

**AGREEMENT FOR ENVIRONMENTAL ASSESSMENT CONSULTING SERVICES
BETWEEN THE CITY OF SAN PABLO AND MICHAEL BAKER INTERNATIONAL**

Project No. RUM-CST/ Agreement No. 1

THIS AGREEMENT, dated this 5th day of June, 2017, is by and between the City of San Pablo, a municipal corporation organized and existing under the laws of the State of California, ("City"), whose address is 13831 San Pablo Avenue, San Pablo, California 94806, and Michael Baker International, ("Consultant"), whose address is 2729 Prospect Park Drive, Suite 220, Rancho Cordova, CA 95670, Telephone (916) 361-8384 for Environmental Assessment services.

RECITALS:

WHEREAS, the City desires to engage a consultant to provide environmental assessments and report services for CEQA and NEPA determinations and clearance for the Rumrill Complete Streets Project;

WHEREAS, the City desires to engage a professional who will act at all times in the City's best interest will respect the trust and confidence placed in that professional by the City;

WHEREAS, Consultant has represented to City, and does in fact have the special training, skill, competence and expertise necessary to provide the services needed by the City; desires to enter into this Agreement with the City as an independent contractor; and is willing to render such professional services on the following terms and conditions;

NOW, THEREFORE, Consultant and the City agree as follows:

AGREEMENT:

(1) Scope of Service.

Scope of Services

Consultant agrees to provide environmental assessment services to the City in conformance with the proposal submitted by Consultant, May 15, 2017, (Exhibit A), the updated cost proposal and scope submitted by Consultant, dated May 24, 2017, (Exhibit B) which takes precedence over Exhibit A for Tasks 4, 5 and 8 on pages 3-6, 3-7 and 3-8, and the City's Request for Proposal, dated April 2, 2017 as revised on May 8 and May 4, 2017, (Exhibit C), all of which are attached and incorporated herein by reference. In the event of any discrepancy between any of the terms of Consultant's proposal, the City's Request for Proposal, and this agreement, the terms most favorable to the City shall prevail.

Quality of Performance

Consultant agrees to perform these services in accordance with the standards of its profession and within the terms of this agreement, and shall at a minimum be consistent with all goals and objectives set forth herein.

Consultant shall be solely responsible for the quality and suitability of services provided pursuant to this Agreement. The City Manager or designee shall reasonably determine whether services provided by Consultant pursuant to this Agreement are in accordance with this Agreement. If during the course of this Agreement, it is determined services being provided are not in accordance with this Agreement, Consultant shall take such corrective action as the City may reasonably require. Failure to promptly take such action shall constitute a material breach of this Agreement and cause for termination in the City's discretion. This standard of care is not intended and shall not be construed to impose an obligation on the City within the meaning of Government Code Section 815.6.

Time is of the Essence. In the performance of this agreement, time is of the essence subject, however, to the exercise of the standard of care for performing of such services. Consultant shall be available to begin performance of services under this agreement immediately upon written notification of the execution of this agreement. All work as outlined in the scope of services must be completed by **June 30, 2018**.

(2) Compensation.

Notwithstanding any contrary indications which may be contained in Consultant's proposal, in exchange for the performance of services that satisfy the terms of this Agreement and timely achieve the milestones, performance commitments and outcomes identified herein and in the attached exhibits, City hereby agrees to pay Consultant a sum not to exceed **one hundred ninety-nine thousand seven hundred ninety-nine dollars (\$199,799)** as follows:

Consultant shall be paid within thirty (30) days of receipt of billings for work completed and approved such approval to not be unreasonably withheld. Invoices shall be submitted containing all information contained in paragraph 6 "Billings" below. In no event shall Consultant be entitled to compensation for extra work unless an approved change order, or other authorization describing the extra work and payment terms, has been executed by City prior to the commencement of the work.

Invoices must be signed by an authorized representative of Consultant, who shall verify that the invoiced services have been performed.

(3) Changes In Work-Extra Work. In addition to services described in section 1, the parties may from time to time agree in writing that Consultant, for additional compensation, shall perform additional services. The City and Consultant shall agree in writing to any changes in compensation and/or changes in Consultant's services prior to the commencement of any work. If Consultant deems work it has been directed to perform is beyond the scope of this agreement and constitutes extra work, Consultant shall immediately inform the City in writing of the fact. The City shall make a reasonable determination as to whether such work is in fact beyond the scope of this agreement and constitutes extra work. In the event that the City determines that such work does constitute extra work, it shall provide compensation to the Consultant in accordance with an agreed cost that is fair and equitable.

This cost will be mutually agreed upon by the City and Consultant. A supplemental agreement providing for such compensation for extra work shall be negotiated between the City and the Consultant.

(4) **Effective Date and Term.** The effective date of this agreement is **June 6, 2017** and it shall terminate on **June 30, 2018**.

(5) **Independent Contractor Status.** It is expressly understood and agreed by both parties that Consultant, while engaged in carrying out and complying with any of the terms and conditions of this agreement, is an independent contractor and not an employee of the City. Consultant shall be fully responsible for all matters relating to the payment of its employees, including compliance with social security, withholding tax and all other laws and regulations governing such matters. Consultant shall be responsible for its own acts and those of its agents and employees during the term of this agreement. Consultant shall not represent, at any time or in any manner, that Consultant is an employee of the City. Consultant will exercise its judgment in recommending to City the methods by which to accomplish City's objectives and desires. In any case where an opportunity is made available to Consultant, Consultant will determine whether it possesses sufficient training and background to carry out whatever objective is sought by the City. If Consultant accepts an engagement, such an acceptance is deemed an affirmative admission that Consultant possesses the necessary skills, background, and licenses to perform the needed services. Consultant acknowledges that the City will provide no training. Consultant will provide whatever tools and materials that are necessary to complete a client engagement. Consultant is free to accept, and has accepted in the past, other client engagements. Consultant is responsible for purchasing, bringing, providing, and controlling any and all equipment, tools, instruments, etc. needed for completion of the work set forth herein, as well as for maintenance and use of such equipment. It is understood that Consultant is hired on a temporary basis only, and that if the City and/or Consultant desires to continue Consultant's services after expiration or termination of this agreement, Consultant will sign a new contract.

(6) **Billings.** Consultant's bills shall include the following information: a brief description of services performed, the date the services were performed, the number of hours spent and by whom, the current contract amount, amount previously billed, total paid to date, outstanding balance, current invoice amount, total amount billed against the contract, amount remaining in contract, and the consultant's signature. Except as specifically authorized by City, Consultant shall not bill City for duplicate services performed by more than one person. In no event shall Consultant submit any billing for an amount in excess of the maximum amount of compensation provided in sections (2) and (3).

The expenses of any office, including furniture and equipment rental, supplies, salaries of employees, telephone calls, postage, advertising, and all other expenses incurred by Consultant in the performances of this agreement shall be incurred at the Consultant's discretion. Such expenses shall be Consultant's sole financial responsibility

(7) **Advice and Status Reporting.** Consultant shall provide the City with timely reports, orally or in writing, of all significant developments arising during performance of its services hereunder, and shall furnish to City such information as is necessary to enable City to monitor the performance of this Agreement, including statements and data demonstrating the effectiveness of the services provided in achieving the goals and objectives contained herein. The City may withhold payments otherwise due to Consultant pending timely delivery of all such reports and information. Consultant shall notify the City Manager of any matters that could adversely affect Consultant's ability or eligibility to continue to perform services under this Agreement, and shall do so immediately after discovery of the same.

(8) **Retention of Records.** Consultant's complete files, including all records, employee time sheets, and correspondence pertaining to the work as described within the proposal of services submitted to the City shall upon reasonable request be available for review by the City, and copies of pertinent reports and correspondence, upon written request, shall be furnished for the files of City. Consultant shall maintain adequate documentation to substantiate all charges for hours and materials charged to City under this agreement. Consultant shall maintain the records and any other records related to the performance of this agreement and shall allow City access to such records for a period of four (4) years after the completion of the work to which records relate.

At City's request, or upon completion or termination of this agreement, Consultant shall return to City all plans, maps, cost estimates, project financial records, reports, and related documents.

All research information, plans, diagrams, financial records, reports, cost estimates or other documents prepared or obtained under the terms of this agreement shall be delivered to and become the property of the City and all data prepared or obtained under this contract shall be made available, upon request, to the City without restrictions or limitations on their use. Any reuse or modification by City of any such materials on any project other than the project which is the subject of this Agreement without Consultant's prior written consent shall be at the sole risk of City.

Consultant and its subcontractors shall maintain all books, documents, papers, employees' time sheets, accounting records, and other evidence pertaining to cost incurred and shall make such materials available at their respective offices at all reasonable times during the contract period and for four (4) years from the date of final payment under the contract, for inspection by the City, State, F.H.W.A, and/or any authorized representatives of the Federal Government and copies thereof shall be furnished if requested. Consultant also agrees to submit all records, books, documents, and related material for audit evaluation by the City, State, F.H.W.A., or authorized representatives prior to, during, or four (4) years following this Project for the purpose of ascertaining applicable overhead rates, book, and record keeping procedures and other information as necessary.

(9) **Written Reports and Documents.** In accordance with Government Code section 7550, any document or written report prepared by Consultant for or under the direction of City shall contain the numbers and dollar amounts of all contracts and subcontracts relating to the preparation of such document or written report; provided, however, that the total cost for work performed exceeds five thousand dollars (\$5,000). The contract and subcontract numbers and dollar amounts shall be contained in a separate section of such document or written report. When multiple documents or reports are the subject or product of this agreement, the disclosure section may also contain a statement indicating that the total contract amount represents compensation for multiple documents or reports.

(10) **Record and Fiscal Control System.**

Consultant shall maintain its financial records and fiscal control systems in a manner that meets the reasonable approval of the City; it shall maintain personnel and payroll records to adequately identify the source and application of all received funds; withhold income taxes; pay employment (social security), unemployment compensation, worker's compensation and other taxes as may be due; and, procure and maintain a City of San Pablo Business License. Consultant shall maintain an effective system of internal control to assure that funds provided through the City are used solely for authorized purposes.

(11) **Access to Records; Audits.**

The City shall, pursuant to Section 8 herein, have access at any time during normal business hours and as often as necessary to any bank account and books, records, documents, accounts, files, reports, and other property and papers of Consultant relating to the services to be provided under this Agreement for the purpose of making an audit, review, survey, examination, excerpt or transcript.

(12) **Consultant's Testimony.** Consultant agrees to consult with City and testify at City's request at no additional cost other than normal witness fees, at Consultant's standard hourly rates, if litigation is brought against City in connection with Consultant's services.

(13) **Designation of Primary Provider of Services.** This agreement contemplates the services of Consultant firm, Michael Baker International. The primary provider of the services called for by this agreement shall be Michael Baker International, who shall not be replaced without the written consent of City, except should such primary provider become unexpected unavailable due to emergency or termination of employment, Consultant shall provide a replacement project manager with equal or greater qualification and request approval of City. City shall not unreasonably withhold approval of such replacement.

(14) **Assignment of Personnel.** Consultant shall assign only competent personnel to perform services pursuant to this agreement. If City asks Consultant to remove a person assigned to the work called for under this agreement, Consultant agrees to do so immediately regardless of the reason, or the lack of a reason, for City's request.

(15) **Assignment and Subcontracting.** It is recognized by the parties that a substantial inducement to City for entering into this agreement was, and is, the reputation and competence of Consultant. The assignment of this Agreement by Consultant, or any interest therein, is prohibited without the prior written approval of the City's Public Works Director. Except for the subcontract with WRECO for hazardous material and biological services as specified in "Scope of Work" section, pages 3-3 through 3-11 in Exhibit A and as stated in the updated cost proposal in Exhibit B. Consultant shall not subcontract any portion of the performance contemplated and provided for herein without prior written approval of the City's Public Works Director.

(16) **Insurance.**

A. **General, Automotive, and Employer's Liability, and Workers' Compensation Provisions.** On or before beginning any of the services or work called for by any term of this agreement, Consultant, at its own cost and expense, shall carry, maintain for the duration of the agreement, and provide proof thereof that is reasonably acceptable to the City the insurance specified herein below with insurers and under forms of insurance reasonably satisfactory in all respects to the City. Consultant shall not allow any subcontractor to commence work on any subcontract until all insurance required of the Consultant has also been obtained for the subcontractor. Consultants shall maintain limits no less than set forth below. If the consultant maintains higher limits than the minimums shown above, the City shall be entitled to coverage for the higher limits maintained by the consultant.

1. General Liability:

\$2,000,000

(Includes operations, products and completed operations.)

Per occurrence for bodily injury, personal injury, and property damage.

2. Automotive Liability: \$1,000,000

Per accident for bodily injury and property damage

3. Workers' Compensation: As Required by the State of California. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the City for all work performed by the Consultant, its employees, agents and subcontractors.

4. Employers' Liability: \$1,000,000 each accident;

\$1,000,000 policy limit bodily injury by disease, **\$1,000,000** each employee bodily injury by disease.

5. Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by City.

6. Other Insurance Provisions

The General Liability and Automobile Liability policies are to contain, or be endorsed to contain, the following provisions:

- The City, its officers, officials, employees, and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Consultant; and with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts or equipment furnished in connection with such work or operations. General Liability coverage shall be provided in the form of an Additional Insured endorsement (at least as broad as form CG 20 10 11 85, or forms CG2010 version 10/01 and GC 2037 versions 10/01 or equivalent or CG 20 07 for design professional or equivalent) to the Consultant's insurance policy, or as a separate owner's policy.
- For any claims related to this project, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.
- Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice has been provided to the City.
- Each of the following shall be included in the insurance coverage or added as an endorsement to the policy:

(i) City, its officers, employees, agents, and volunteers are to be covered as insureds as respects each of the following: liability arising out of activities performed by or on behalf of Consultant, including the insured's general supervision of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired, or borrowed by Consultant. The coverage shall contain no special limitations on the scope of protection afforded to City, its officers, employees, agents, or volunteers.

(ii) The insurance shall cover on an occurrence or an accident basis, and not on a claims-made basis.

(iii) An endorsement must state that coverage is primary insurance and that no other insurance affected by the City will be called upon to contribute to a loss under the coverage.

(iv) Any failure of Consultant to comply with reporting provisions of the policy shall not affect coverage provided to City and its officers, employees, agents, and volunteers.

(vi) Notice of cancellation or non-renewal must be received by City at least thirty days prior to such change.

Deductibles and Self-Insured Retentions. Consultant shall disclose the self-insured retentions and deductibles before beginning any of the services or work called for by any term of this agreement.

Notice of Reduction in Coverage. In the event that any coverage required under this section of the agreement is reduced, limited, or materially affected in any other manner, Consultant shall provide written notice to City at Consultant's earliest possible opportunity and in no case later than five days after Consultant is notified of the change in coverage.

7. Waiver of Subrogation

Consultant hereby agrees to waive subrogation which any insurer of Consultant may acquire from Consultant by virtue of the payment of any loss. Consultant agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation.

8. Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of no less than A:VII unless otherwise acceptable to the Entity. Exception may be made for the State Compensation Insurance Fund when not specifically rated.

9. Verification of Coverage

Consultant shall furnish the City with endorsements effecting coverage required by this clause. The endorsements are to be signed by a person authorized by that Insurer to bind coverage on its behalf. The endorsements are to be on forms provided by the city, unless the insurance company will not use the City's forms. All endorsements are to be received and approved by the City before work commences. However, failure to do so shall not operate as a waiver of these insurance requirements.

10. Subcontractors

Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein.

B. **Professional Liability**. Consultant, at Consultant's own cost and expense, shall maintain for the period covered by this agreement professional liability insurance for licensed professionals performing work pursuant to this agreement in an amount not less than one (1) million dollars covering the licensed professionals' errors and omissions, as follows:

- (i) Any deductible or self-insured retention shall not exceed \$50,000 per claim.
- (ii) Notice that cancellation, material change, or non-renewal must be received by the City at least thirty days prior to such change shall be included in the coverage or added as an endorsement to the policy.
- (iii) The following provisions shall apply if the professional liability coverages are written on a claims-made form:
 - 1. The retroactive date of the policy must be shown and must be before the date of the agreement.
 - 2. Insurance must be maintained and evidence of insurance must be provided for at least five years after completion of the agreement or the work.
 - 3. If coverage is canceled or not renewed and it is not replaced with another claims-made policy form with a retroactive date that precedes the date of this agreement, Consultant must provide extended reporting coverage for a minimum of five years after completion of the agreement or the work. The City shall have the right to exercise at the Consultant's cost, any extended reporting provisions of the policy should the Consultant cancel or not renew the coverage.
 - 4. A copy of the claim reporting requirements must be submitted to the City prior to the commencement of any work under this agreement.

C. **City Remedies**. In addition to any other remedies City may have if Consultant fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option:

- (i) Order Consultant to stop work under this agreement or withhold any payment which becomes due to Consultant hereunder, or both stop work and withhold any payment, until Consultant demonstrates compliance with the requirements hereof;
- (ii) Terminate this agreement.

Exercise of any of the above remedies, however, is an alternative to other remedies City may have and is not the exclusive remedy for Consultant's breach.

(17) **Standard of Care.** It is understood and agreed that Consultant has the professional skills, experience, and knowledge necessary to perform the work agreed to be performed under this agreement, that City relies upon the professional skills of Consultant to do and perform Consultant's work in a skillful and professional manner consistent with the standard of care of the of the industry, and Consultant thus agrees to so perform the work. Acceptance by City of the work performed under this agreement does not operate as a release of said Consultant from such professional responsibility for the work performed. It is further understood and agreed that Consultant is apprised of the scope of the work to be performed under this agreement and Consultant agrees that said work can and shall be performed in a manner consistent with the standards of the profession. This standard of care is not intended and shall not be construed to impose an obligation on the City within the meaning of Government Code Section 815.6.

(18) **Indemnification for Specified Licensed Professionals.**

A. To the fullest extent permitted by law, the Consultant shall (1) immediately defend and (2) indemnify the City, and its directors, officers, and employees from and against all liabilities regardless of nature or type that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, or its employees, agents, or subcontractors. Liabilities subject to the duties to defend and to indemnify include, without limitation, all claims, losses, damages, penalties, fines and judgments; associated investigation and administrative expenses; defense costs, including but not limited to reasonable attorney's fees; court costs; and costs of alternative dispute resolution. The Consultant's obligation to indemnify applies unless it is finally adjudicated that the liability was caused by the sole active negligence or sole willful misconduct of an indemnified party. If it is finally adjudicated that liability is caused by the comparative active negligence or willful misconduct of an indemnified party, then Consultant's indemnification obligation shall be reduced in proportion to the established comparative liability.

B. The duty to defend is a separate and distinct obligation from Consultant's duty to indemnify. Consultant shall be obligated to defend, in all legal, equitable, administrative, or special proceedings, with counsel approved by the City, the City and its directors, officers, and employees, immediately upon tender to Consultant of the claim in any form or at any stage of an action or proceeding, whether or not liability is established. An allegation or determination that persons other than Consultant are responsible for the claim does not relieve Consultant from its separate and distinct obligation to defend under this section. The obligation to defend extends through final judgement, including exhaustion of any appeals. The defense obligation includes an obligation to provide independent defense counsel if Consultant asserts that liability was cause in whole or in part by the negligence or willful misconduct of the indemnified party. If it is finally adjudicated that liability was caused by the comparative active negligence or willful misconduct of the indemnified party, Consultant may submit a claim to the City for reimbursement of reasonable attorney's fees and defense costs in proportion to the established comparative liability of the indemnified party.

C. The review, acceptance or approval of the Consultant's work or work product by any indemnified party shall not affect, relieve or reduce the Consultant's indemnification or defense obligations. This Section survives completion of the services or the termination of this contract. The

provisions of this Section are not limited by and do not affect the provisions of this contract relating to insurance.

D. Notwithstanding the foregoing or any other provision to the contrary, Consultant shall not be required to provide a defense to City for Claims of a professional nature as defined in Consultant's professional liability policy, except that this shall not affect the Consultant's obligation to pay reasonable attorney's fees as part of Consultant's indemnity obligation to City, nor shall it affect Consultant's duty to defend City if such a defense is available under any of Consultant's other insurance policies.

(19) **Licenses.** If a license of any kind, which term is intended to include evidence of registration, is required of Consultant, its employees, agents, or subcontractors by federal or state law, Consultant warrants that such license has been obtained, is valid and in good standing, and Consultant shall keep it in effect at all times during the term of this agreement, and that any applicable bond has been posted in accordance with all applicable laws and regulations.

Consultant shall obtain and maintain a City of San Pablo Business License until all contract services are rendered and accepted by the City.

(20) **Nondiscriminatory Employment Practices and Compliance With Law.**

Consultant represents that it is an Equal Opportunity Employer and shall comply with applicable regulations governing equal opportunity employment. Consultant shall not discriminate in the employment of any person because of race, color, national origin, ancestry, physical or mental disability, medical condition, marital status, sex, age, unless based upon a bona fide occupational qualification pursuant to the California Fair Employment and Housing Act. Consultant shall comply with all applicable provisions of the Americans with Disabilities Act of 1990 (ADA) in performing its obligations under this Agreement. Failure to comply with the provisions of the ADA shall be a material breach of, and grounds for the immediate termination of, this Agreement. In performing work and providing services under this Agreement, Consultant shall, at its sole cost and expense, comply with all applicable laws of the United States and the State of California; the Ordinances of the City of San Pablo; and the rules, regulations, orders and directories of their respective administrative agencies and the officers thereof.

(21) **Termination.**

A. City may terminate this agreement at its sole discretion at any time prior to completion by the Consultant of the services required hereunder. Notice of termination of this agreement shall be given in writing to the Consultant, and shall be sufficient and complete when same is deposited in the United States Mail, postage prepaid and certified, address as set forth in the first paragraph of this agreement. The agreement shall be terminated upon receipt of the Notice of Termination by the Consultant. If the City should terminate this agreement, the Consultant shall be compensated for all work performed prior to the time of receipt of cancellation notice, and shall be compensated for materials ordered by the Consultant or his employees, or services of others ordered by the Consultant or his employees, prior to receipt of notice of cancellation whether or not such materials or final instruments of services of others have actually been delivered, provided that the Consultant or his employees are not able to cancel such orders for materials or services of others. Compensation for the Consultant in the event of cancellation shall be reasonably determined by City in accordance with

percentage of project completed and agreed to by the Consultant. In the event of cancellation, all notes, sketches, computations, drawings, and specifications or other data, whether complete or not, remain the property of the Consultant. The City may, at its own expense, make copies or extract information from any such notes, sketches, computations, drawings, and specifications, or other data whether complete or not.

B. Termination for Cause. City may terminate this agreement for cause by providing Consultant with one day's written notice of such termination should Consultant violate any of the terms and conditions of this agreement. In City's reasonable discretion, such termination for cause may alternatively be accomplished, where Consultant fails to perform any of the obligations required of Consultant within the time and in the manner provided for under the terms of this agreement, within seven days after receipt from the notice of such default. Upon City's termination of this agreement for cause, City reserves the right to complete the work by whatever means City deems reasonable and the reasonable expense of completing such work, as well as any and all damages to the extent caused by the negligent acts, intentional acts or errors or omissions of the Consultant, shall be charged to the Consultant.

C. Immediate Termination. City may terminate this agreement immediately in any case where the Consultant engages in fraudulent or criminal activities while performing its services under this agreement, or is otherwise determined to lack the necessary skills to accomplish the desired objectives.

(22) Notices. Notices required by this agreement shall be personally delivered or mailed, postage prepaid, as follows:

To Consultant: Tad Stearn
Michael Baker International
2729 Prospect Park Drive, Suite 220
Rancho Cordova, CA 95670

To the City: City Manager
13831 San Pablo Avenue
San Pablo, CA 94806

Each party shall provide the other party with telephone and written notice of any change in address as soon as practicable.

Notices given by personal delivery shall be effective immediately. Notices given by mail shall be deemed to have been delivered forty-eight hours after having been deposited in the United States mail.

(23) Ownership of Materials. Any and all documents, including draft documents where completed documents are unavailable, or materials prepared or caused to be prepared by Consultant pursuant to this agreement shall be the property of the City at the moment of their completed preparation. All materials and records of a preliminary nature such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this agreement, shall be made available, upon request, to City at no additional charge and without restriction or limitation on their use consistent with the intent of the original design. Documents

prepared by the Consultant are not intended, nor represented, to be suitable for reuse or modification by the City.

(24) **Amendments.** This agreement may be modified or amended only by a written document executed by both Consultant and City's City Manager and approved as to form by the City Attorney. Such document shall expressly state that it is intended by the parties to amend the terms and conditions of this agreement.

(25) **Abandonment by Consultant.** In the event the Consultant ceases performing services under this agreement or otherwise abandons the project prior to completing all of the services described in this agreement, Consultant shall, without delay, deliver to City all materials and records prepared or obtained in the performance of this agreement, and shall be paid for the reasonable value of the services performed up to the time of cessation or abandonment, less a deduction for any damages or additional expenses which City incurs as a result of such cessation or abandonment.

Consultant agrees to be financially responsible to compensate City for any costs incurred by City in retaining the services of another to replace Consultant, but only to the extent that the costs of retaining the replacement exceed what remaining amounts would have been paid to Consultant under the contract had Consultant completed the project.

(26) **Waiver.** The waiver by either party of a breach by the other of any provision of this agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of either the same or a different provision of this agreement.

(27) **No Third-Party Rights.** The parties intend not to create rights in, or to grant remedies to, any third party as a beneficiary of this agreement or of any duty, covenant, obligation, or undertaking established herein.

(28) **Severability.** Should any part of this agreement be declared by a final decision by a court or tribunal of competent jurisdiction to be unconstitutional, invalid, or beyond the authority of either party to enter into or carry out, such decision shall not affect the validity of the remainder of this agreement, which shall continue in full force and effect, provided that the remainder of this agreement, absent the unexcised portion, can be reasonably interpreted to give effect to the intentions of the parties.

(29) **Compliance with Laws.** In the performance of this agreement, Consultant shall abide by and conform to any and all applicable laws of the United States, the State of California, and City ordinances. Consultant warrants that all work done under this agreement will be in compliance with all applicable safety rules, laws, statutes and practices, including but not limited to Cal/OSHA regulations.

(30) **Controlling Law.** This agreement and all matters relating to it shall be governed by the laws of the State of California.

(31) **Breach.** In the event that Consultant fails materially to perform any of the services described in this agreement or otherwise materially breaches the agreement, City shall have the right to pursue all remedies provided by law and equity. Neither payment by the City nor performance by Consultant shall be construed as a waiver of either party's rights or remedies against the other. Failure to require

full and reasonably timely performance of any provision, at any time, shall not waive or reduce the right to insist upon complete and reasonably timely performance of such provision thereafter. Any litigation involving this Agreement or relating to the work shall be brought in Contra Costa County, and Consultant hereby waives the removal provisions of Code of Civil Procedure Section 394.

In the event of any suit, action or proceeding brought by either party for breach of any term hereof or to enforce any provision hereof, the prevailing party shall be entitled to recover its reasonable attorney's fees.

(32) **Inspection by Other Agencies.** Authorized representatives of the Federal Government, the California Department of Transportation, or other government agencies which have provided grant funding (if any) for the subject Project and the City may have the right to inspect the work of such services whenever such representatives may deem inspection to be desirable or necessary.

(33) **Conflict of Interest.** Consultant warrants and covenants that Consultant presently has no interest in, nor shall any interest be acquired in, any matter which will render the services required under the provisions of this agreement a violation of any applicable state, local, or federal law. In the event that any conflict of interest should nevertheless arise, Consultant shall promptly notify City of the existence of such conflict of interest so that the City may determine whether to terminate this agreement. Consultant further warrants its compliance with the Political Reform Act (Gov. Code ' 81000 et seq.) respecting this agreement.

Where City Manager determines, based on facts provided by city staff, that Consultant meets the criteria of section 18701 of the FPPC regulations, the individual providing services under this Agreement shall be considered a "designated employee" under the City's conflict of interest code, and shall be required to complete FPPC Form 700 regarding his or her economic interests in a timely manner.

(34) **Copyright.** Upon City's request, Consultant shall execute appropriate documents to assign to the City the copyright to work created pursuant to this agreement. The issuance of a patent or copyright to Consultant or any other person shall not affect City's rights to the materials and records prepared or obtained in the performance of this agreement. City reserves a license to use such materials and records without restriction or limitation consistent with the intent of the original design, and City shall not be required to pay any additional fee or royalty for such materials or records. The license reserved by City shall continue for a period of fifty years from the date of execution of this agreement unless extended by operation of law or otherwise.

(35) **Whole Agreement.** This agreement constitutes the entire understanding and agreement of the parties. This agreement integrates all of the terms and conditions mentioned herein or incidental hereto and supersedes all negotiations or previous agreements between the parties with respect to all or any part of the subject matter hereof.

(36) **Multiple Copies of Agreement.** Multiple copies of this agreement may be executed but the parties agree that the agreement on file in the office of the City Clerk is the version of the agreement that shall take precedence should any differences exist among counterparts of the document.

IN WITNESS WHEREOF, Consultant has executed this agreement, and the City, by its City Manager, who is authorized to do so, has executed this agreement.

APPROVED AS TO FORM:

CITY OF SAN PABLO
A Municipal Corporation

By _____
Lynn Tracy Nerland, City Attorney

By _____
Matt Rodriguez, City Manager

Michael Baker International

By _____

Printed Name: _____

Title: _____

ATTEST:

By _____
Ted J. Denney, City Clerk

Dated _____

Attachments:

- Exhibit A: Michael Baker International Proposal for Rumrill Boulevard Complete Streets Environmental Assessment Consulting Services
- Exhibit B: Updated Cost Proposals and Scope
- Exhibit C: City of San Pablo Request for Proposal- Environmental Assessment Services, Addendum 1 and Addendum 2

Exhibit A:

Michael Baker International Proposal for Rumrill Boulevard
Complete Streets Environmental Assessment Consulting Services

PROPOSAL
FOR SERVICES

CITY OF SAN PABLO

RUMRILL BOULEVARD COMPLETE STREETS ENVIRONMENTAL ASSESSMENT CONSULTING SERVICES



SUBMITTED TO:

CITY OF SAN PABLO

SUBMITTED BY:

Michael Baker

INTERNATIONAL

MAY 15, 2017

May 15, 2017

JN: 160044

Ms. Amanda Booth, Environmental Program Analyst
San Pablo Engineering
City of San Pablo
13831 San Pablo Avenue, Building 3
San Pablo, CA 94806

Subject: Proposal – Rumrill Boulevard Complete Streets Project, Environmental Assessment Consulting Services

Dear Ms. Booth and Selection Committee Members:

Michael Baker International, Inc. is pleased to submit our proposal to assist the City of San Pablo (City) for the Rumrill Boulevard Complete Streets Environmental Assessment Consulting Services project.

Michael Baker possesses the right combination of managerial and technical skills needed to successfully complete this project on time and within budget. We are very interested in partnering with the City to provide quality, cost-effective analyses and documentation to satisfy the requirements of the grant funding agencies, particularly the California Department of Transportation (Caltrans).

The Michael Baker team understands that this project plays an important role in increasing vehicular mobility and decreasing traffic through the proposed project area, while also providing a safe route for bicyclist and pedestrian movement from Costa Avenue to San Pablo Avenue.

Benefits of selecting the Michael Baker team for this project include:

- **In-House Services** | Our staff's strong transportation and traffic engineering background adds value to transportation projects through integrated environmental compliance, design, planning, and construction services. This expertise combined with our firm's other in-house services, including landscape architecture, surveying, right-of-way engineering, electrical engineering, public outreach, cultural resources investigations, and water quality compliance, allow Michael Baker to efficiently and cost-effectively develop projects from concept through design and construction.
- **Proven Record of Success** | Proven record of successfully completing numerous environmental compliance projects throughout California, including over 200 initial studies/mitigated negative declarations under the California Environmental Quality Act (CEQA) and environmental assessments under the National Environmental Policy Act (NEPA) over the last 20 years.
- **Specialty Teaming Partner** | WRECO, a DBE firm, will provide hazardous materials and biological services, as well as quality control of the floodplain and water quality assessments. WRECO has been involved in more than 1,000 transportation infrastructure and water resources projects and more than 400 hydrologic and hydraulic studies on bridge/culvert crossings in California. Some of its clients include Contra Costa County, the City of San Pablo, Caltrans District 4, and the US Army Corps of Engineers.
- **Previous San Pablo Experience** | Michael Baker has provided planning and environmental services to hundreds of California cities and counties, similar to the services requested in San Pablo. We have provided the City with planning and environmental services for over two years, and have completed six projects in that time—most recently, the photometric study and subsequent CEQA review of the city's streetlight project.

Your Primary Contact:

Ms. Darcy Kremin
Project Manager
Michael Baker International, Inc.
One Kaiser Plaza, Suite 1150
Oakland, CA 94612
P. 510-213-7914
E. DKremin@mbakerintl.com

We have organized our team and developed a project approach and work plan to successfully prepare the technical studies and compliance documents based on our understanding of the overall project goals and the City's needs, and in particular the aggressive schedule as required by Caltrans. Our team has direct, relevant experience in work of a similar scope, and brings a thorough knowledge of CEQA and NEPA compliance and Caltrans requirements.

Ms. Darcy Kremin will lead the Michael Baker team as project manager. She is a proven leader with success in the environmental compliance of various projects, including roads, water infrastructure, infill development, mixed-use development, and schools throughout the Bay Area, including San Pablo. Ms. Kremin will directly oversee the work, ensuring conformance with all technical, schedule, and budget requirements. Based on our experience and understanding of the city, the Michael Baker team has identified innovations that will help the City achieve the aggressive schedule mapped out in Section 3, Project Approach and Schedule of Work, of this proposal.

Mr. Tad Stearn is authorized to negotiate a contract for proposed services with the City and on behalf of the Michael Baker team.

Michael Baker is in receipt of Addendum #1, dated May 4, 2017, and Addendum #2, dated May 8, 2017. We have reviewed the City's Agreement for Consulting Services, and upon contract award would appreciate the opportunity to discuss terms of the agreement. We have included our proposed modifications in Section 8 of this proposal.

Michael Baker is fully committing our proposed staff members for the duration of this project in order to ensure its successful completion. Thank you for considering our proposal and we look forward to assisting the City in achieving its goals for this project. Should you have any questions or require additional information, please contact Darcy Kremin at (510) 213-7914 or DKremin@mbakerintl.com.

Sincerely,
Michael Baker International, Inc.



Darcy Kremin, AICP
Project Manager



Tad Stearn
Project Director

Enclosure: Proposal (3 sets and 1 electronic copy on a CD)

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01

ORGANIZATION CHART/ PERSONNEL



01 | ORGANIZATION CHART/PERSONNEL

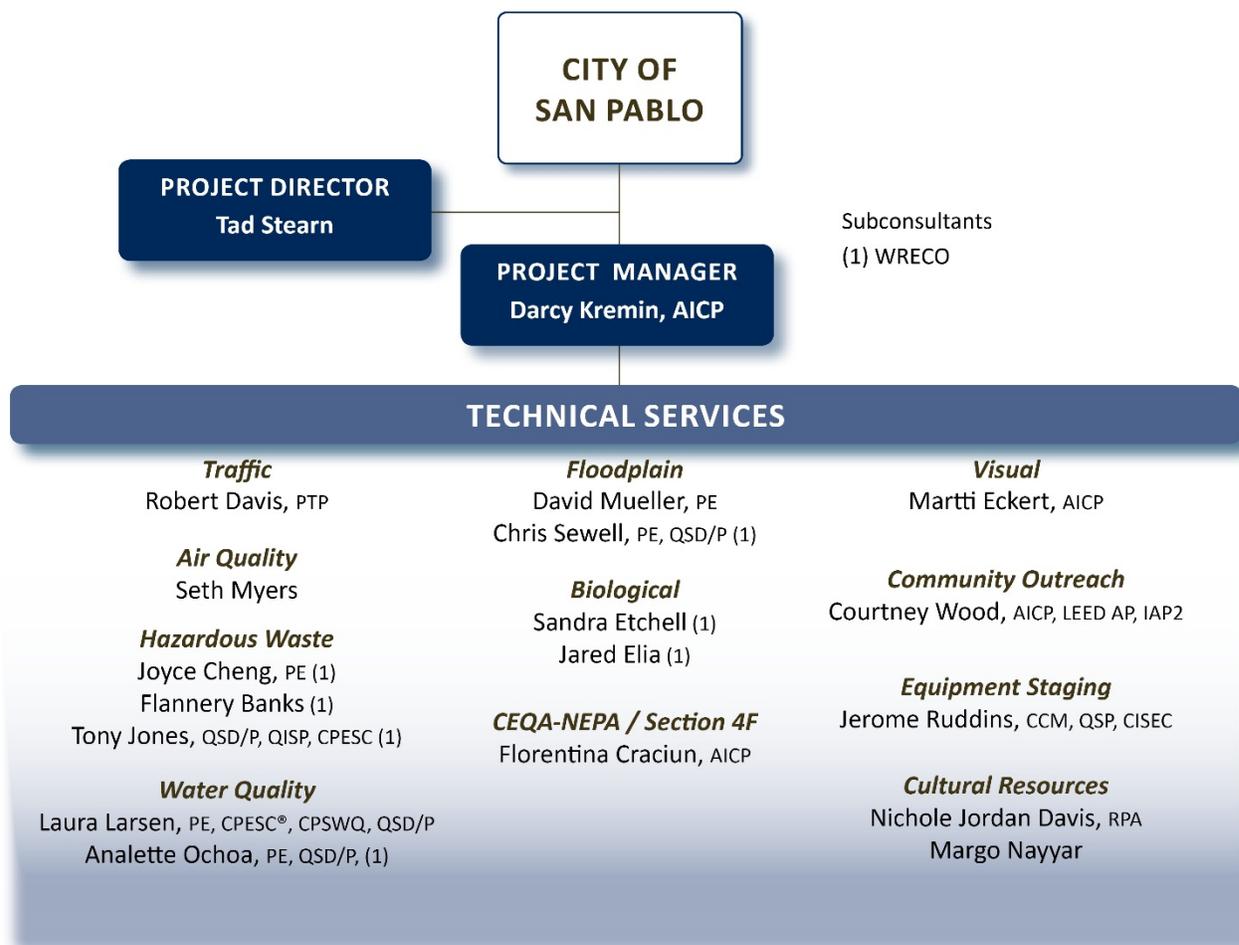
Michael Baker International

The Michael Baker International, Inc. team is prepared to commit its personnel and full resources to the City of San Pablo (City) as a partner in environmental assessment consulting services for the Rumrill Boulevard Complete Streets project. We have brought together the most capable professionals to carry out the scope of work in the most efficient and cost-effective manner. Our team will work with City staff to ensure that the required level of analysis and application process is achieved for this project.

This section presents brief biographies for the personnel who would be key management and field positions assigned to City projects. Our team organization chart is included below.

The Michael Baker staff members assigned to the City of San Pablo include a broad range of professionals with advanced technical skills and local experience. Michael Baker benefits from a depth of resources, as demonstrated by the personnel proposed. We have categorized our staff members based on their areas of expertise.

All staff members assigned to the City by Michael Baker will be supervised by Tad Stearn. In addition, we have teamed with WRECO, a disadvantaged business entity, to complete our team and satisfy Caltrans's DBE requirements.



Team Biographies

Darcy Kremin, AICP | Project Manager



Ms. Kremin is a senior environmental planner with nearly 20 years of planning and CEQA/NEPA experience for nonprofit, private, and public sector clients. She has managed the preparation of numerous environmental documents throughout the United States, particularly in California. She has served as author, senior technical reviewer, and/or social science task leader for the land use and planning, agriculture and forestry resources, recreation, visual resources, transportation and traffic, public services, and utilities and service systems sections for a variety of environmental documents. Ms. Kremin has also managed large projects for public utilities, including water and energy transmission.

Tad Stearn | Project Director



Mr. Stearn is a principal consultant with Michael Baker International and one of legacy firm PMC's charter staff members. He manages the firm's Monterey office and is responsible for project management and business development in Northern California and the Central Coast region. Management duties include the oversight of staff for planning, agency staffing, and environmental compliance projects, as well as hands-on project management and on-call consultation service for local clients. Mr. Stearn has 25 years of professional planning experience, including the preparation of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance documents, coastal planning, review and processing of current planning applications, advance planning projects (general plans, general plan amendments, specific plans, local coastal programs, and area/community plans), visual impact analyses, and special projects.

Florentina Craciun, AICP | CEQA-NEPA/Section 4F

Ms. Craciun is a certified senior planner with over six years of experience preparing CEQA/NEPA documents and permitting applications. She has managed environmental compliance for linear projects and urban development, including permitting and CEQA implementation. As part of her management role, she has directed resource specialists in completing technical studies, including biological resources, and complex permitting applications. She has conducted environmental review and compliance for a variety of projects, including urban development, rail, infrastructure, and park remediation projects. Ms. Craciun has expertise in permitting strategies for projects to comply with federal, state, and local requirements.

Technical Disciplines

Nichole Jordan Davis, RPA | Cultural Resources

Ms. Jordan Davis is a registered professional archaeologist and a member of the Society for California Archaeology, the Society for American Archaeology, and the California Council for the Promotion of History. She meets the Secretary of the Interior's Standards for prehistoric and historical archaeology and the Society for California Archaeology's Professional Qualification Standards for principal investigator. Ms. Jordan Davis has 13 years of experience in cultural resources management, including project management, personnel management, archival research, laboratory analysis, ethnographic and historical research, field survey, prehistoric and historical excavation, laboratory analysis, collections management, and GIS applications. She has experience in the preparation of archaeological research, survey, testing, excavation, evaluation for inclusion in the National Register of Historic Places and the California Register of Historical Resources, and monitoring reports pursuant to Section 106 of the National Historic Preservation Act and CEQA requirements. She has completed projects in California, Nevada, Oregon, Utah, and Polynesia.

Margo Nayyar | Cultural Resources

Ms. Nayyar is an architectural historian with six years of cultural resources management experience in California. Her experience includes built environment surveys, evaluation of historic-era resources using guidelines outlined in the National Register of Historic Places and the California Register of Historical Resources, and preparation of cultural resources technical studies pursuant to CEQA

and Section 106 of the National Historic Preservation Act. She specializes in producing HABS/HAER/HALS (Historic American Buildings Survey, the Historic American Engineering Record, and Historic American Landscapes Survey) heritage documentation and has experience working with Caltrans developing and maintaining the Historic Bridges and Tunnels database.

Robert A. Davis, PTP | Traffic

Mr. Davis has over 34 years of experience in both transportation planning and traffic engineering. He has prepared studies for agencies throughout both Southern and Northern California. His experience includes the preparation of circulation element planning, environmental traffic impact studies, parking studies, transportation facilities design projects, transit planning, and bicycle facilities planning.

Seth A. Myers | Air Quality

With 10 years of experience as an environmental planner and air quality/greenhouse gas analyst, Mr. Myers is involved in the preparation of environmental impact reports as well as other municipal planning documents. He has extensive expertise conducting both air quality and greenhouse gas analyses and has a comprehensive working knowledge of the associated regulatory environment. He is proficient in the use of CalEEMod, EMFAC2014, AERMOD, and other industry standard emissions modeling tools. As a certified arborist, Mr. Myers also provides landscape and irrigation plan review for development and public works projects and performs hazardous tree assessments.

David Mueller, PE | Floodplain

Mr. Mueller's experience in water resources and civil engineering include watershed studies, master planning, bridge hydraulic studies, FEMA FIS studies, drainage design, environmental sampling, Stormwater Prevention Pollution Plan preparation and review, and hydrologic and hydraulic analyses in support of roadways, railways, and land development projects. He has managed projects ranging in complexity from small scale studies to large public works projects, including planning, permitting, and coordination with federal, state, and local entities. He has performed several peer reviews of projects related to hydrology and hydraulics, FEMA, and flood mapping. Mr. Mueller has also evaluated the feasibility of proposed flood control structures, storage dams, and detention basins for clients.

Laura Larsen, PE, CPESC, CPSWQ, QSD/P | Water Quality

Ms. Larsen is experienced in stormwater management projects including best management practice (BMP) design, National Pollutant Discharge Elimination System (NPDES) permit implementation, and water quality analysis. She has extensive experience in transportation and municipal NPDES stormwater permit compliance assistance, BMP research, design and implementation including low impact development (LID), construction oversight, water quality monitoring, erosion and sediment control, total maximum daily load development and implementation, BMP design and implementation, BMP operation and maintenance, and BMP performance data analysis. She has worked with the California Department of Transportation (Caltrans) for many years, performing data analysis, monitoring, site inspections, permit implementation assistance, and BMP design and has developed BMP operation and maintenance guidance.

Jerome Ruddins, CCM, QSD, CISEC | Equipment Staging

Mr. Ruddins possesses over three decades of construction management and inspection experience and has been responsible for the construction administration and inspection of over \$2.5 billion of public works construction projects. He has worked extensively with the Caltrans Standard Specification and Construction Manual. Throughout his career, Mr. Ruddins has worked hand-in-hand with Caltrans Compliance Officers on federally funded projects preparing, analyzing, and presenting change orders, force account work, coordinating the monthly field file audit, and the final construction file.

Martti Eckert, AICP | Visual

Mr. Eckert brings over a decade of urban design and long-range planning experience to Michael Baker's Planning, Design, and Facilitation team. During his tenure with the company, he has worked on numerous advance planning projects, including general,

specific, and downtown plans, zoning ordinances, design guidelines, and community visioning efforts. Mr. Eckert has acquired expertise working on all phases of these projects, including managing projects, facilitating charrettes, workshops, and other outreach activities, leading discussions with decision-makers, researching background resources and innovative planning concepts, drafting provisions, guidelines, and other content for project deliverables, and preparing maps and illustrations. Since joining Michael Baker, he has also gained experience working as a staff planner for several suburban and exurban communities in the Sacramento and Los Angeles regions.

Courtney Wood, AICP, LEED AP, IAP2 | Community Outreach

Ms. Wood has ten years of experience working on community planning, housing, and community engagement projects. Her expertise includes neighborhood revitalization plans, downtown plans, general plans, housing elements, and housing program management. She has extensive experience conducting innovative community engagement programs for municipal planning projects including workshops, open houses, design charrettes, and web-based participation.

WRECO Staff

Joyce Cheng, PE | Hazardous Waste

Ms. Cheng has 16 years of diverse experience in civil engineering and environmental remediation. She has strong technical background in engineering design, problem solving, analysis, and review. Ms. Cheng is a proven engineering project manager, successfully delivering projects on time and within budget by utilizing skillful planning, efficient contractor and vendor management, and innovative applications of technologies. She promotes a collaborative atmosphere with internal and external partners and stakeholders to ensure project productivity.

Michael (Tony) Jones, QSD/P, QISP, ToR, CPESC, CESSWI | Hazardous Waste

Mr. Jones has over 21 years of experience in regulatory compliance and construction environmental management. He began his career as a wastewater chemist for Chevron Chemical Company before entering regulatory compliance as a water resource scientist with the California State Water Resources Control Board. He also spent six years as a Registered Environmental Assessor performing CERCLA innocent landowner due diligence investigations and litigation support for toxic tort cases. More recently, he has been instrumental in facilitating redevelopment for public agencies, drafting CEQA/NEPA compliance documentation, and managing environmental construction compliance. His broad technical credentials and legal training, coupled with his state and local resource agency exposure, have given him a perspective that has proven essential to public agency clients in their efforts to anticipate, develop, and implement mitigation strategies for a wide range of environmental challenges. Mr. Jones is also a Certified Asbestos Building Inspector/Management Planner and a Certified Lead Inspector.

Flannery Banks | Hazardous Waste

Ms. Banks has 10 years of engineering experience, with projects involving erosion control design and development of erosion control plans, drainage and stormwater treatment design, geomorphic studies and monitoring, bank stabilization, hydraulic analysis, geotechnical investigations, and air and water quality monitoring.

Sandra Etchell, MS | Biology

Ms. Etchell has more than 21 years of experience as an environmental biologist, permit specialist, and inspector with skills including the identification of birds, fish, plants, mammals, amphibians, and reptiles of California. Her responsibilities have included being the lead environmental monitor/inspector and lead biologist on small- to large-scale linear projects; conducting biological resources and special-status species surveys; and preparing documentation for CEQA and NEPA compliance. Ms. Etchell is also experienced in the preparation of project permit applications for the California Department of Fish and Wildlife (CDFW), US Army Corps of Engineers, San Francisco Bay Conservation and Development Commission (BCDC), the California Coastal Commission (CCC), and the Regional Water Quality Control Board (RWQCB). In addition, she is experienced in the design, preparation, and implementation of restoration and revegetation plans and projects for a variety of habitats.

Jared Elia | Biology

Mr. Elia has 10 years of experience as a biologist and environmental specialist. He specializes in watershed systems restoration, California ecosystems, geology, geomorphology, and hydrology. He is also familiar with implementing state and federal permit regulations. Mr. Elia is responsible for preparing biological resource studies, habitat assessment reports, wetland delineation reports, and state and federal permit applications. He is certified in wetland delineations and California Rapid Assessment Method (CRAM), and has attended seminars for rare pond species survey techniques.

Chris Sewell, PE, QSD/P | Floodplain

Mr. Sewell has more than 20 years of experience in projects involving drainage, water supply issues, and hydraulic modeling of rivers and floodplains. He has wide-ranging field experience in a variety of environmental, hydraulic, and hydrologic projects. His typical projects include floodplain analysis and delineation, drainage design, bridge hydraulics, scour analyses, wetland mitigation, water quality assessment, and water-rate measurement and availability.

Analette Ochoa, PE, QSD/P, ToR | Water Quality

Ms. Ochoa has a vast amount of project experience in the Bay Area, with an emphasis in stormwater management and design. She is familiar with the Contra Costa Clean Water Program Guidelines and has designed numerous BMPs for various projects that have met their requirements. She has great working relationships with the San Francisco Bay RWQCB staff. She has overseen hundreds of water quality studies for environmental documentation during her career. Additionally, Ms. Ochoa has trained Contra Costa County's staff on the Construction General Permit, and has assisted in the statewide training of Caltrans's staff on LID.

02

STATEMENT OF QUALIFICATIONS/ RESUMES



02 | STATEMENT OF QUALIFICATIONS

Michael Baker International has a rich heritage as a survey and civil engineering consulting firm founded in 1940, with continued growth and expansion over the past 76 years. Specializing in engineering design, planning, architecture, environmental, construction, program management, and full life-cycle support services, as well as information technology and communications solutions, the firm provides a host of differentiated and innovative services that enhance client projects worldwide. Michael Baker is an international, privately held corporation.

Michael Baker offers a comprehensive range of innovative services and solutions in support of federal, state, and municipal governments, foreign allied governments, and a wide range of private development and commercial clients. The firm's focus is on the safety and security of people around the world through planning and engineering improvements to infrastructure and the environment. With more than \$1 billion in annual revenue, Michael Baker has more than 6,600 employees in over 90 offices located across the United States and internationally.

Nearest branch office where services will be performed:

*1 Kaiser Plaza, Suite 1150
Oakland, CA 94612*

Michael Baker acquired legacy firm PMC in February 2015. With the addition of PMC's local resources, we bring familiar staffing and local project experience to the City of San Pablo. Michael Baker is locally recognized as a leader in the areas of contract planning and management services, environmental analysis and compliance, general plans and advance planning, mitigation monitoring, biological resources, grant and housing program assistance, urban design, public outreach, and sustainability and climate change.

Michael Baker International is proposing to provide technical and environmental compliance services on behalf of the City of San Pablo for the Rumrill Boulevard Complete Streets project. Our qualifications are summarized in this section. The qualifications of our DBE partner, WRECO, can be found in Section 4, Special Requirements.

Environmental Compliance Services

Michael Baker, with the addition of the local staff and resources of legacy firm PMC, provides on-call environmental services to public agencies locally and throughout California. Staffing levels and team structure will be customized based on the assignment.

Our Environmental Services Team

Supporting our public agency clients with their environmental review requirements and procedures is a core service for us. We provide environmental services on a project-specific or an on-call basis, depending on the needs of the client. Our firm specializes in preparing CEQA-compliant documents for a wide range of projects, ranging from infill residential subdivisions to major industrial projects. We have successfully analyzed thousands of projects.

Our Environmental Practice

Our core group of CEQA practitioners and technical experts are continuously refining their skills, staying current on legislative updates, and coordinating internally to ensure best practices are applied throughout the company. We pride ourselves on our strong writing and analytical skills, as well as on our ability to communicate complex issues to the public and decision-makers. Our in-house experts understand legal issues, best practices, and special considerations to develop innovative, appropriate, and defensible solutions. As current planning staff serving multiple public agencies, we know how to implement the mitigation measures we write and understand how staff interprets and administers environmental policy every day.

Environmental Documentation

Michael Baker staff is experienced in the preparation of CEQA documents including categorical exemptions, initial studies, negative declarations, mitigated negative declarations, and environmental impact reports. Our staff is also experienced in the preparation of NEPA documentation, including categorical exclusions, environmental assessments, and environmental impact statements, including environmental reviews as required by the US Department of Housing and Urban Development under 24 Code of Federal Regulations 5B.

Our environmental services team has completed CEQA documentation for a wide range of projects, including public facility expansions and modernization, mixed-use and urban infill developments, housing projects and subdivisions, historic building renovations, coastal development, major infrastructure and roadway projects, general plans and general plan amendments, specific plans, planned unit developments, annexations, and mining and reclamation projects. Whether a project is a large-scale policy-oriented plan or a focused and technical project, our staff collectively has the skills needed to provide accurate and thorough technical analysis to meet the project's regulatory requirements.

Michael Baker's environmental staff uses a variety of tools to evaluate a project's potential for significant impacts on the environment, identify performance standards for mitigation measures, and support our assessment. Our staff is familiar with the processing requirements of CEQA and NEPA documents, and we ensure that documents meet the needs and expectations of lead agencies and responsible and trustee agencies (with regulatory and/or permitting oversight).

Michael Baker oversees the environmental review process from beginning to end and will prepare CEQA and NEPA documents in agency-accepted and agency-specific formats.

Range of In-House Services

Michael Baker has the in-house capability to prepare a variety of technical studies to support CEQA/NEPA documents, including air quality analyses, traffic analyses, greenhouse gas emission assessments, noise analyses, biological resources assessments/natural environment studies, jurisdictional delineations, and visual impact analyses. We also offer a full range of services related to sustainability, energy efficiency, and climate change mitigation and adaptation.

If needed, we can also engage our civil engineers to review a project's drainage and hydrology issues, water supply, and impacts of constructing new infrastructure systems. Having access to this depth of resources allows our environmental project managers to tap into a wealth of internal resources to support our findings.

Our environmental staff is also complemented by in-house community facilitation and engagement specialists, as we recognize that the credibility of the environmental process is critical to the credibility of the reports themselves. Our planners are skilled at presenting complex environmental documents to public audiences and decision-making bodies.

These technical services are discussed in detail below.

Visual Simulation

Michael Baker has the in-house capability to develop both general and detailed renderings of the physical environment that capture the impacts of proposed infill development. Utilizing advanced three-dimensional software, we can integrate a mixture of data types and sources, including aerial and still imagery, CAD drawings, and GIS data (parcels, streets, topology, etc.) to create conceptual illustrations. Once compiled, the data can be rendered in a variety of techniques from digital textures to artistic hand drawings. We have worked on a wide range of projects utilizing visual simulation technology, including illustration of large downtowns, detailed views of small infill projects, proposed streetscape enhancements, and viewshed and scenic corridor analysis as part of CEQA compliance.



Water Quality/Stormwater/Wastewater/Water Supply Studies

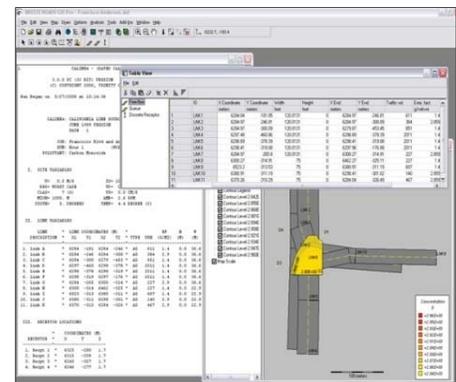
Because Michael Baker is a full-service engineering firm, our water, wastewater, and infrastructure engineers are often incorporated into our environmental review teams for technical support. Our staff prepares water supply assessments, infrastructure needs assessments, drainage studies, water quality assessments, and engineering peer reviews as necessary to support our environmental review documents.

Noise and Acoustics

The Michael Baker team provides expertise in community noise control with a combination of professional consulting services and engineering support. Noise control services include community noise studies, construction and operational noise monitoring and control, inspection and noise testing, and preparation of noise ordinances. All noise control studies involve analyzing or projecting the noise levels generated by a source, determining the level of reduction desired, and engineering a solution to achieve the criterion levels. Our noise control engineering services are used by a variety of clients in both the private and public sectors. Noise monitoring equipment maintained by the firm includes state-of-the-art automated digital test equipment and certified calibration equipment. Our extensive inventory of noise monitoring equipment provides a thorough evaluation of noise impacts for our clients in both community and industrial settings.

Air Quality/Greenhouse Gas Emissions

We provide a full range of air quality analyses for public and private sector clients, in accordance with local, state, and federal impact assessment criteria. Our staff is trained in using state-of-the-art computer models and assessment protocols developed by the US Environmental Protection Agency, the California Air Resources Board, the Federal Highway Administration (FHWA), Caltrans, and air pollution control districts throughout the state. The computer models include the California Emissions Estimator Model (CalEEMod), EMFAC, CALINE, and AERMOD. These modeling techniques, together with land use and project-specific data, allow us to quantify existing and project future criteria pollutants associated with a project. We also prepare Windrose maps and utilize BREEZE air dispersion software to analyze carbon monoxide hot spots and localized emissions impacts.

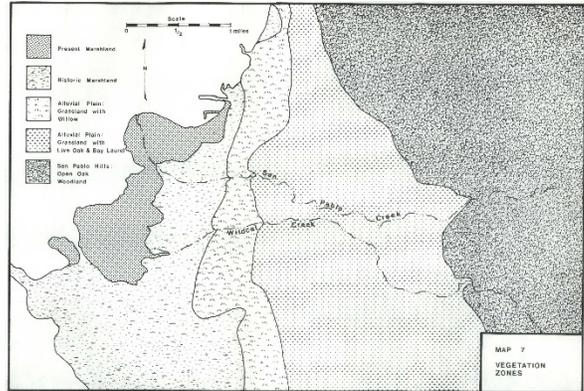


We prepare air quality analyses for CEQA documents as well as stand-alone studies. With expertise in all project aspects and phases, including short-term construction emissions and long-term operational emissions, our staff also develops mitigation measures necessary to reduce or avoid project and cumulative air quality impacts. We have extensive experience in the preparation of health risk assessments, as well as air quality assessments for Caltrans and the FHWA and conformity analyses for federally funded projects. Additionally, we perform peer reviews for air quality studies prepared by separate entities. We have extensive experience utilizing the Bay Area Air Quality Management District CEQA Guidelines and have an active working relationship with district staff on the implementation of these guidelines.

Historic Preservation/Archaeological Resources

We skillfully and efficiently guide clients through the complexity of the CEQA regulatory process and can assist with Section 106 of the National Historic Preservation Act, when federal funds or permit actions affect a project. We specialize in cultural resources identification and evaluations for inclusion in the California Register, tribal consultation, and agreement document preparation.

Michael Baker's cultural resources specialists are qualified to meet all of the City's project needs. Key personnel meet the Secretary of the Interior's Standards and Guidelines, Professional Qualification Standards for history, archaeology, and architectural history. Our breadth of experience translates to consistency, reliability, and efficiency for our clients. From massive multistate highway corridors to small-scale private-sector endeavors, we take pride in our range of achievement.



Tribal Cultural Resources

With the recent passage of Assembly Bill (AB) 52, our staff is prepared to assist local agencies in California with tribal consultation. Tribal cultural resources are identified by tribes and may include sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe, including unique archaeological resources and historical resources. Tribal cultural resources also include sites or resources identified by a tribe through an action of the tribal council or equivalent body. These resources are dynamic and identified during careful consultation with tribes that have requested consultation. We will manage the AB 52 consultation process on the City's behalf, including drafting AB 52 notifications, consultation letters, maintaining the consultation logs, and managing meetings.

Biological Resources/Arboriculture

Our biological resources staff provides responsive scientific and regulatory expertise essential for assessing and protecting sensitive biota in California. Strong technical ability and an understanding of federal, state, county, and local regulatory requirements enable us to assist our clients in making informed decisions regarding project development, impacts to ecological systems, and management of biological resources. Serving as an extension of agency staff and in support of Michael Baker's environmental teams, we specialize in the peer review of technical reports and the preparation and processing of environmental documents. This has included urban and rural projects in the San Francisco Bay Area over the past two decades. Our biological resources staff is capable of all aspects of analysis and reporting, including wetland and permitting services.



Traffic and Transportation Analyses

Consistently ranked by *Engineering News-Record* as a Top 20 transportation firm, Michael Baker offers clients an integrated team of professionals versed in all aspects of transportation planning, design, permitting, and construction management and inspection. In addition, Michael Baker is a recognized leader in the practical aspects of operating and maintaining a safe and efficient transportation infrastructure. Transportation planning is the functional area within transportation engineering that deals with the planning, evaluation, and programming of transportation facilities. Today, that planning involves an increasingly complex environment of travel demands, land use patterns, urban form, environmental issues, and regulatory agency requirements. Michael Baker initiates each planning project with the goal of improving coordination between land use and the supporting transportation system. By working closely with affected communities and regulatory agencies to build project support, Michael Baker efficiently processes projects through complex state and federal review programs.

Public Outreach and Facilitation

Michael Baker's Community Engagement + Facilitation team offers a broad range of community engagement strategies as trained public participation professionals. Our team comprises planning professionals who have undergone additional training in community engagement, ensuring that we can understand the nuanced discussion of the subject matter and accurately translate this feedback into results that can inform policy or program development. Our senior facilitators have been trained by the International Association of Public Participation (IAP2), which promotes public involvement, collaborative decision-making, priority identification, and consensus building in a meaningful way. We hold seriously the core values of IAP2 and work to design customized activities that are tailored to unique community and project needs. Our team has used this approach successfully in highly diverse communities, across linguistic and socioeconomic divisions.



Team Resumes

Darcy Kremin, AICP

Project Manager

Summary

Ms. Kremin is a senior environmental planner with 20 years of planning and CEQA/NEPA experience for nonprofit, private, and public sector clients. She has managed the preparation of numerous environmental documents throughout the United States, particularly in California. Ms. Kremin has managed large projects for public utilities, including water and energy transmission, and dozens of development projects for cities and counties. She also has experience with various public and charter school projects. She is well known for managing budgets on time and within budget.

Project Experience

City Wide Street Lighting Project Photometric Study and CEQA Compliance, San Pablo, California. *City of San Pablo.* Project Manager. Managed the technical evaluation of the illumination from proposed lighting additions intended improve the street lighting based on the City Wide Street Lighting Evaluation. Michael Baker evaluated the impact of light trespass, uplight/light pollution, and glare. Four types of roadways were evaluated: arterial streets, mixed-use boulevards, collector roads, and local streets. Also determined the CEQA compliance path for the project.

EI Portal Soccer Fields Environmental Documentation, San Pablo, California. *City of San Pablo.* Project Director. Providing senior review and oversight for the EI Portal Soccer Fields project. The City of San Pablo proposes to upgrade the existing 2.2-acre fields and provide additional amenities to accommodate expanded use of the soccer fields. The project would increase the size of the fields to allow for teen practice and tournament play, replace the existing field grass with synthetic turf, and add parking spaces and a playground.

Plaza San Pablo Project Environmental Documentation, San Pablo, California. *City of San Pablo.* Project Manager. Managed the environmental documentation for the Plaza San Pablo project which would construct 8 single-family “zero lot line” residences. The project would develop the site south of San Pablo Avenue, adjacent to the proposed San Pablo Library, within the San Pablo Avenue Specific Plan area. Michael Baker reviewed the previous environmental documents and determined that the project is consistent with the San Pablo General Plan and the San Pablo Avenue Specific Plan and that no additional environmental review was required.

San Pablo Dam Road LED Project Environmental Documentation, San Pablo, California. *City of San Pablo.* Managed the environmental documentation for the new proposed digital LED display sign which would be located at 2527 San Pablo Dam Road in the south parking lot of the San Pablo Holiday Inn Express & Suites on the city’s right-of-way. Michael Baker performed a photometric analysis and determined that the project is consistent with the San Pablo Municipal Code (Section 18), San Pablo General Plan, and San Pablo General Plan EIR and no additional environmental review was required.

Shell Gas Station Expansion Project IS/MND, San Pablo, California. *City of San Pablo.* Project Manager. Managed the IS/MND for the project under a very tight timeline and budget. The project would update and expand the existing Shell Oil buildings and site to a gas station, convenience store, retail building, and car wash. Construction would take place over two phases. Significant environmental issues included hazardous materials and biological resources.

Crothers Road Re-Opening Project, Santa Clara County, California. *Santa Clara County.* Environmental Manager. Managing the preparation of the preliminary environmental analysis report, per the California Department of Transportation (Caltrans) guidelines. Main issues are alternatives and geotechnical concerns, since the road was destroyed by a landslide.

Years of Experience: 20

Education/Training:

MA, 2000, Urban and Environmental Policy, Tufts University

BA, 1995, Geography/Environmental Studies and Political Science, University of California, Los Angeles

Licenses/Certifications:

American Institute of Certified Planners, 2003, 018287

Rainier Cross-Town Connector and Undercrossing of US 101, Petaluma, California. *City of Petaluma.* Deputy Project Manager. Helped manage the CEQA process for a new cross-town connector for the City. Performed senior review of EIR sections and other project documents. (Prior to joining Michael Baker)

Milpitas Bike/Pedestrian Overcrossing CEQA/NEPA Compliance, Milpitas, California. *City of Milpitas.* Project Manager. Managed the preparation of an IS/MND for a bicycle/pedestrian railroad overcrossing as part of the City's Bicycle Master Plan. Directed the project's NEPA compliance with the California Department of Transportation (Caltrans) for a Preliminary Environmental Assessment and Categorical Exclusion.

Rail Program Management Services, Palo Alto, California. *City of Palo Alto.* CEQA Technical Leader. Managing the environmental review process of the California High Speed Rail Authority's EIR/EIS on behalf of the City for the San Francisco to San Jose segment of the California High Speed Rail System. Also managing the CEQA process for the City's multimodal enhancement program.

San Gabriel Annex Project. *Albany Unified School District.* Project Manager. Managed the preparation of a Categorical Exemption analysis for the Albany Unified School District, which is proposing to construct new school facilities on an existing school lot, known as the San Gabriel Annex (project), across the street from Albany Middle School. The main environmental issues were air quality, biological resources, noise, water quality, and traffic.

California High-Speed Rail Project, Bakersfield to Palmdale Section, California. *California High-Speed Rail Authority.* Subtask Manager and Technical Reviewer. Managed the Checkpoint B submittal for proposed high-speed train project to receive concurrence from the US Environmental Protection Agency and the US Army Corps of Engineers on 404 and 408 permits. Served as technical reviewer for Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) on numerous sections. (Prior to joining Michael Baker)

Summit Reservoir Replacement Project. *East Bay Municipal Utility District (EBMUD).* Project Manager. Managed the technical report and subsequent EIR sections for EBMUD. Coordinated the technical sections, provided peer review to EBMUD for the entire EIR, and supported presentations to the EBMUD Board of Directors for the project. The project is part of a planned system of improvements through the Pressure Zone Improvements master plan program at EBMUD. The 37-million-gallon reservoir will be replaced with a smaller (3.7 million-gallon) tank, and additional public amenities will be provided. (Prior to joining Michael Baker)

Bay Division Pipeline Reliability Upgrade EIR, Alameda and San Mateo Counties, California. *San Francisco Public Utilities Commission (SFPUC).* Deputy Project Manager. Helped manage the preparation of an EIR for a 21-mile-long water conveyance pipeline through Alameda and San Mateo counties. Also served as the social science task leader, and reviewed the plans and policies, aesthetics, agriculture, land use and planning, mineral resources, energy and water consumption, population and housing, public services, recreation, traffic, and utilities sections of the EIR. The pipeline is part of the upgrade of the Hetch Hetchy aqueduct being completed by the SFPUC. The work scope includes wetland, streambed, cultural resources, and endangered species permitting. (Prior to joining Michael Baker)

Cross Connection Controls IS/MND. *SFPUC.* Project Planner. Prepared an IS/MND for 27 individual sites along the SFPUC pipeline system. Cross connections can occur where air valves and blow-off valves, while being opened or closed, allow water from outside the system (rainfall, flood water, etc.) to enter and compromise the quality of the water being delivered.

Tad Stearn

Project Director

Summary

Mr. Stearn is a vice president and principal consultant with Michael Baker. He manages Michael Baker's Northern California operations from Chico to San Luis Obispo. Mr. Stearn is responsible for all departmental performance and operations within his geography, as well as select project management and business development efforts in Northern California and the Central Coast region. Management duties include the oversight of a management team with 100+ staff members, establishing and monitoring budgets, contract fulfillment, and operational and strategic planning. Mr. Stearn has more than 25 years of professional planning experience, including the preparation of California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) compliance documents, coastal planning, review and processing of current planning applications, advance planning projects (general plans, general plan amendments, specific plans, local coastal programs, and area/community plans), visual impact analyses, and special projects.

Years of Experience: 27

Education/Training:

BA, 1987, Environmental Studies,
University of California, Santa Cruz

Professional Affiliations:

American Planning Association (APA),
Northern California, 097512

Association of Environmental
Professionals (AEP)

Project Experience

Monterey County, Resource Management Agency. Oversees Michael Baker's contracts with several departments within the County government structure. The firm provides adjunct planning and environmental staff assistance on several development applications and community plan efforts, providing staff assistance to the Redevelopment and Housing Office, and managing the environmental review of County-sponsored projects such as the Government Center building, Laurel Campus master plan, and new parking structure plans.

Castroville Community Plan. *Monterey County.* Project Manager. Managed the EIR for this large-scale planning program in northern Monterey County. The effort included planning and environmental review for new and intensified land uses in the community to support future projects and infrastructure needs. Coastal development issues were the central focus of this effort.

Marina Transit Center Specific Plan. *City of Marina/VBN Architects.* Project Manager. Managed and was primary author of a specific plan prepared for a 3.4-acre mixed-use development program centered around a new Monterey-Salinas Transit station. The specific plan established land uses, zoning, development standards, and design guidelines for the subject parcel, taking into consideration the City's future redevelopment plans for Reservation Road, as well as a series of land use constraints. The plan's development program called for a mix of up to 65 housing units integrated with approximately 55,000 square feet of neighborhood commercial and services around the transit center designed by VBN Architects. The project was approved on schedule and within budget, and is the first mixed-use development program in the City's redeveloping urban core.

Main Gate Commercial Center and Specific Plan, Seaside, California. *City of Seaside.* Assisted the City to process an application for a key commercial project and lifestyle center at Highway 1 and the main gate of the former Fort Ord. The project includes the preparation of a specific plan for the center, coordination with multiple land use agencies, and processing the application materials as an extension of City staff.

Comprehensive General Plan Update and EIR, Greenfield, California. *City of Greenfield.* Project Manager. As an outgrowth of ongoing contract staff services, Michael Baker assisted the City to allocate funding toward a General Plan update over a four-year period. The firm assisted City staff with the technical elements of the plan. The Housing Element was completed in March 2003 to ensure continued state funding of ongoing affordable housing programs. Based on recent annexation and development activity in the city,

major themes of the General Plan included winery and vineyard development, new urbanist and mixed-use development, downtown revitalization, and the promotion of light industrial/agricultural industrial land uses.

Ocean View Plaza EIR, Monterey, California. *City of Monterey.* Project Manager. Managed the 3.5-acre mixed-use development on Cannery Row involving extensive historic resource protection and a package desalination plant.

Scenic Route Element Update, Livermore, California. *City of Livermore.* Project Manager. Managed the three-year process to establish development guidelines and visual protection goals for the City's General Plan. Prepared and/or managed the visual analysis for an 8-mile segment of Interstate 580.

Project-Specific Visual Impact Evaluations, Livermore, California. *City of Livermore.* Project Manager. Managed the on-call visual impact analysis assessing more than 10 site-specific development projects in Livermore's scenic corridor. Established a program to quickly and cost effectively determine a project's compliance or noncompliance using established data points and CADD-based cross sections.

Robert Davis

Traffic Planning

Summary

Mr. Davis has extensive experience in both transportation planning and traffic engineering. He has prepared studies for agencies throughout both Southern and Northern California. His experience includes the preparation of circulation element plans, environmental traffic impact studies, parking studies, transportation facilities design projects, and bicycle facilities planning.

Project Experience

El Portal Soccer Fields Environmental Documentation, San Pablo, California. *City of San Pablo.* Senior Transportation Planner. Managed traffic and transportation analysis for the El Portal Soccer Fields project. The City of San Pablo proposes to upgrade the existing 2.2-acre fields and provide additional amenities to accommodate expanded use of the soccer fields. The project would increase the size of the fields to allow for teen practice and tournament play, replace the existing field grass with synthetic turf, and add parking spaces and a playground.

Plaza San Pablo Project Environmental Documentation, San Pablo, California. *City of San Pablo.* Senior Transportation Planner. Managed traffic and transportation analysis for the Plaza San Pablo project which would construct 8 single-family “zero lot line” residences. The project would develop the site south of San Pablo Avenue, adjacent to the proposed San Pablo Library, within the San Pablo Avenue Specific Plan area. Michael Baker reviewed the previous environmental documents and determined that the project is consistent with the San Pablo General Plan and the San Pablo Avenue Specific Plan and that no additional environmental review was required.

Rockfield Boulevard Streetscape Master Plan, Lake Forest, California. *City of Lake Forest.* Transportation Planner. Responsible for traffic studies. Michael Baker provided the City of Lake Forest a Streetscape Master Plan and final construction plans, specifications, and estimates for Rockfield Boulevard. The development of the plan required an extensive community workshop visioning process and identification of city goals and design criteria. Improvements included raised medians, parkway improvements, signing and striping, entry monuments and gateways, pedestrian and landscape lighting, decorative paving, and landscaping and irrigation. The final design drawings created a cohesive landscape character to compliment and support several current city design themes along primary roadways and commercial districts while establishing a distinct streetscape image for Rockfield Boulevard. Michael Baker provided a professional team of urban designers, landscape architects, civil and traffic engineers, and construction management and inspection services for the streetscape improvements.

North Coast Highway 101 Streetscape, City of Encinitas. Task Manager for CEQA Traffic Impact Analysis. Michael Baker is providing engineering, traffic, and environmental services for the North Coast Highway 101 Streetscape Improvements Project. The project includes multimodal functions involving road diet measures, such as lane restriping of sharrows in the north- and south-bound lanes; traffic calming roundabouts; a traffic signal; and street beautification measures for 2.5 miles of old Highway 101 in Leucadia. The goal is to increase walkability along the project corridor and provide more efficient on-street parking to eliminate sight-distance problems for side-street traffic and vehicular conflicts with bicyclists. Michael Baker is performing traffic studies, providing Mobile LiDar data collection and processing, preparing a focused EIR, and developing traffic maintenance plans.

Aldine Drive Slope Restoration, San Diego, California. *City of San Diego.* Transportation Planner. Responsible for transportation planning. Michael Baker prepared a study report, including recommendations, to determine solutions for the repair of a slope located in the City of San Diego along the south side of Aldine Drive, west of Fairmount Avenue. The purpose of the report was to identify various alternatives to mitigate the existing slope erosion problems by investigating various wall types and drainage options. The

Years of Experience: 39

Education/Training:

BS, 1975, Transportation Engineering,
California State Polytechnic
University, San Luis Obispo

proposed improvements are intended to eliminate danger to pedestrians and motorists on Aldine Drive from falling rock and debris and prevent further erosion of the slope, which threatens the private improvements above, including fencing, patios, and other structures.

Rosecrans Corridor Mobility Study, San Diego, California. *City of San Diego.* Assisted the City of San Diego in achieving community consensus on the design of traffic flow and circulation projects; traffic calming measures; transit, bicycle, and pedestrian improvements; and additional parking along Rosecrans Street from Kellogg Street to Pacific Highway, and Camino Del Rio West to the I-5/I-8 connector ramps and the Old Town Transit Center. Project included preliminary engineering drawings and cost estimates.

Crack Shack Restaurant Parking Study, Costa Mesa, California. *City of Costa Mesa.* The proposed restaurant project included retrofitting an existing bank building and relying on limited on-site parking. The reuse of the existing building resulted in a less efficient use of floor area than for a custom-built building. Additionally, the business model for the restaurant included a bocce ball court which further limited the number of dining tables and seating capacity. The parking study developed a tailored parking ratio based on seating capacity rather than the gross floor area based rates typically used by the City.

Lakeport Courthouse, Transportation Planner, Judicial Council of California. Conducted an evaluation of fair share responsibility for various traffic impact mitigation measures.

Grand Avenue Fast Food Restaurant, San Marcos, California. *City of San Marcos.* Project Manager. Responsible for project management of CEQA traffic impact study.

National Core, Mission Cove EIR TIA. Project Manager. Responsible for project management of CEQA traffic impact study.

Temecula Creek Inn Specific Plan EIR Traffic Impact Analysis, Temecula, California. *City of Temecula.* Project Manager/Transportation Planner. Responsible for managing traffic study task. Michael Baker provided environmental services for the conversion of a nine-hole portion of the project's golf course to additional hotel and residential dwelling units.

University District Specific Plan Amendment EIR Traffic Impact Analysis, San Marcos, California. *City of San Marcos.* Project Manager and Transportation Planner. Responsible for preparation of traffic study. Michael Baker prepared a traffic impact analysis report for a revised land use plan for the University District Specific Plan. Study effort included the development of a traffic mitigation phasing plan.

North Hyder Solar Farm, Yuma County, Arizona. Supported Sun Edison Corporation on a 200-acre solar farm project located east of the City of Yuma in Yuma County, Arizona. In addition to site engineering support, Michael Baker was responsible for conducting a traffic impact analysis that addressed both the construction phase and maintenance phase of the project. Due to the relatively remote location of the project, no significant traffic impacts were identified due to the project and mitigation being limited to improving the immediate site access intersection to better accommodate construction truck traffic.

La Jolla Country Day School, Project Manager. Responsible for preparation of a traffic impact analysis and parking study for added campus facilities and student enrollment expansion. The school's Master Plan calls for increasing the student enrollment by 150 students from 1,050 to 1,200 students over the next five years.

Seth Myers

Air Quality

Summary

With 11 years of experience as an environmental planner and air quality/noise analyst, Mr. Myers is involved in the preparation of a full range of CEQA environmental compliance and review documents. Particularly, he has extensive expertise conducting air quality, greenhouse gas emissions, and noise analyses and has a comprehensive working knowledge of the associated regulatory environment. In addition, Mr. Myers prepares implementation documents and programs such as zoning ordinance updates, design review programs, and planning program guidelines. As a certified arborist (ISA #WE-7501A), Mr. Myers also provides landscape and irrigation plan review for development and public works projects and performs hazardous tree assessments.

Project Experience

Shell Gas Station Expansion Project IS/MND, San Pablo, California. *City of San Pablo.* Air Quality/Greenhouse Gas Emissions and Noise Analyst. Prepared an air quality impact analysis, greenhouse gas evaluation, and noise assessment under an accelerated timeline. The project would update and expand the existing Shell Oil buildings and site to a gas station, convenience store, retail building, and car wash. Construction would take place over two phases. Significant environmental issues included hazardous air pollutants.

Housing Element EIR, Orinda, California. *City of Orinda.* Air Quality/Greenhouse Gas Emissions Analyst. Managed the preparation of the air quality and greenhouse gas emission analyses for the EIR, which provided equal-level alternatives analysis of several different potential housing site options. Significant environmental issues included the potential exposure of future residences at the proposed housing sites to toxic air contaminant emissions from stationary and/or mobile sources.

General Plan EIR, Wildomar, California. *City of Wildomar.* Air Quality/Greenhouse Gas Emissions Analyst. The Wildomar General Plan embodies several guiding principles that include supporting the city's transition from a small rural city to a more populous community while also ensuring the city's long-term economic viability.

General Plan Update EIR, Calimesa, California. *City of Calimesa.* Deputy Project Manager and Air Quality/Greenhouse Gas Emissions Analyst. The City updated its General Plan to serve long-range planning goals for Calimesa and address the area's physical development over a 20-year period. The 2013 Calimesa General Plan embodies several guiding principles that include supporting Calimesa's transition from a small rural city to a more populous community while also ensuring the city's long-term economic viability.

General Plan EIR, Eastvale, California. *City of Eastvale.* Air Quality/Greenhouse Gas Emissions Analyst. Prepared the EIR for the City's General Plan and was responsible for drafting all sections of the environmental document and responding to public comments as part of the Final EIR process. On October 1, 2010, the City of Eastvale was incorporated and the newly formed City Council elected to use the Riverside County General Plan (2003) and County Ordinances (2010) to function as the City of Eastvale General Plan and Municipal Code. In the effort to draft an Eastvale-specific General Plan, the City decided to retain all of the existing land use designations in the Riverside County General Plan. Similarly, roadway classifications and other physical planning in the Riverside County General Plan remained unchanged. The analysis in the Draft EIR focused only on the changes between the adopted Riverside County General Plan and the proposed new City General Plan.

Years of Experience: 11

Education/Training:

BA, Environmental Studies and Planning
(Minor in Biology), Sonoma State
University

Licenses/Certifications:

Certified Arborist, International Society
of Arboriculture (WE 7501A)

Goodman Commerce Center EIR Peer Review, Eastvale, California. *City of Eastvale.* Air Quality/Greenhouse Gas Emissions Analyst. Part of the project team that reviewed the Draft EIR and provided the applicant and EIR consultant specific comments concerning the adequacy of the environmental analysis of air quality and greenhouse gas emissions. The Draft EIR evaluated a 205-acre industrial warehousing, business park, and commercial site in the panhandle region of Eastvale. The project was changed numerous times over the course of EIR preparation and ultimately consisted of 2.8 million square feet of high-cube warehousing, 228,690 square feet of professional business park, and up to 741,500 square feet of retail commercial or hospital use.

Temporary Relocation of Coronado and Stege Elementary Schools IS/MND. *West Contra Costa Unified School District.* Air Quality/Greenhouse Gas Emissions Analyst. The objective of this project was to provide students at Coronado and Stege Elementary Schools a temporary campus location during the construction of the new Coronado and Stege Elementary Schools in Richmond. The project consisted of the temporary installation of approximately 33 relocatable buildings on a portion of the existing Kennedy High School campus to accommodate 790 elementary students for two years.

General Plan Amendment and Climate Action Plan Supplemental EIR, Santa Rosa, California. *City of Santa Rosa.* Air Quality/Greenhouse Gas Emissions Analyst. The project consisted of the proposed adoption of a General Plan Amendment and Climate Action Plan to outline a clear path to successfully implementing policies, programs, and activities that will achieve the City's adopted greenhouse gas reduction targets. The framework of the Climate Action Plan consisted of an inventory of greenhouse gas emissions that identified and quantified existing emissions and projected future emissions; reduction targets to reduce greenhouse gas emissions incrementally by 2015, 2020, and 2035; and the goals, objectives, and strategies devised to reduce existing emissions to meet federal, state, regional, and local greenhouse gas emissions reduction targets. The City's Climate Action Plan and its reduction targets were consistent with Assembly Bill 32 and the California Air Resources Board's recommendations to ensure California emissions are reduced.

Laura Larsen, P.E., CPESC®, CPSWQ, QSD/QSP

Water Quality

Summary

Ms. Larsen is experienced in stormwater management projects including water quality analysis, Best Management Practice (BMP) design, and National Pollutant Discharge Elimination System (NPDES) permit implementation. She has extensive experience in transportation and municipal NPDES stormwater permit compliance assistance, BMP research, design and implementation including Low Impact Development (LID), construction oversight, water quality monitoring, erosion and sediment control, Total Maximum Daily Load (TMDL) development and implementation, BMP design and implementation, BMP operation and maintenance, and BMP performance data analysis. She has worked with the State of California Department of Transportation (Caltrans) for many years, performing data analysis, monitoring, site inspections, permit implementation assistance, BMP design and developed BMP operation and maintenance guidance.

Project Experience

Caltrans On-Call Technical and Professional Stormwater Services (Contract Nos. 43A0182, 43A0286 and 43A0316), Statewide, California. *Caltrans.* Task Manager. Responsibilities included water quality. Michael Baker under three separate, three-year contracts with the State of California, Department of Transportation (Caltrans), provided on-call statewide storm water services. Work under three contracts was related to continued development and refinement of Caltrans' statewide Storm Water Management Program, whose goal is to integrate appropriate storm water control activities into ongoing activities and thus make control of storm water pollution a part of Caltrans' normal business practices.

Caltrans Statewide Storm Water Management Plan (Contract Nos. 43A0182, 43A0286 43A0316), Statewide, California. *Caltrans.* Engineer. Responsibilities included water quality. Michael Baker developed the Caltrans Statewide Storm Water Management Plan (SWMP), which outlines the statewide plan for addressing compliance on the National Pollutant Discharge Elimination System (NPDES) Permit. The SWMP was developed for the purpose of describing the procedures and practices that Caltrans uses to reduce the discharge of pollutants to storm drainage systems and receiving waters. The SWMP implements the Statewide Storm Water NPDES Permit, the Statewide General Waste Discharge Requirements (WDR), and the Construction General Permit. The plan was developed to address stormwater pollution control related to project planning, design, construction, and maintenance of Caltrans highways and operation and maintenance of facilities and properties owned by Caltrans.

Caltrans Stormwater Program Management and Coordination Assistance (Contract No. 43A0182, Task Order No. 30), Statewide, California. *Caltrans.* Engineer. Responsible for water quality. Michael Baker has been providing technical advice and peer review assistance to Caltrans for ongoing and planned stormwater quality monitoring, best management practice (BMP) performance evaluation, and BMP research activities. Review involves laboratory studies and small-scale studies for complex projects. Performance evaluations are based on full-scale pilot tests or small-scale pilot tests.

San Diego Water Quality Control Study, Caltrans, District 11, San Diego County, California. *Caltrans.* Engineer. Involved in the siting of structural BMPs along the Caltrans right-of-way, selection and conceptual design of BMPs. Michael Baker developed, by way of stakeholder consensus, a structural best management practices (BMP) retrofit program for San Diego County. The design and construction of stormwater quality facilities will impact resources available for transportation improvements. The study was unique in that it was based on a stakeholder-driven approach to identify a preferred water quality control program. The stormwater

Years of Experience: 17

Education/Training:

M.S., 2000, Environmental Engineering,
University of California, Los Angeles

B.S., 1998, Civil Engineering, California
State Polytechnic University, Pomona

Licenses/Certifications:

Professional Engineer - Civil, California,
2002, 63265; Also in NV

Qualified SWPPP Developer (QSD),
California, 2012, 23529

Qualified SWPPP Practitioner (QSP),
California, 2012, 23529

quality program involved identification, siting, and design of extended detention basins, infiltration basins, and gross solids removal devices in locations throughout Caltrans District 11.

Southgate Neighborhood Storm Drainage and Green Street Improvements, Palo Alto, California. *City of Palo Alto.* Engineer. Responsibilities included BMP plan review and cost estimate review. Michael Baker provided civil engineering services for the Southgate Neighborhood Storm Drainage Improvements and Green Street Project. Michael Baker's services included identification and evaluation of optimal best management practice (BMP) locations; development of final plans, specifications, and cost estimates for green street elements; and public involvement.

Transportation Water Quality Strategic Plan, Gateway Cities Strategic Plan, Los Angeles County, California. *Los Angeles County Metropolitan Transportation Authority.* Project Engineer. Responsible for water quality BMP conceptual designs throughout corridor. Michael Baker is serving as part of the team providing the Los Angeles County Metropolitan Transportation Authority (Metro) and the Gateway Cities Council of Governments (COG) with a comprehensive Transportation Strategic Plan (TSP) that will provide the primary guidance touchstone for moving forward with key projects over the next decade that will address these issues. Eight corridor study reports were prepared with over 400 potential opportunities identified for treatment Best Management Practice (BMP) installation. Total Maximum Daily Loads (TMDLs) addressing impairment in receiving waters to San Gabriel River, Los Cerritos Channel, Coyote Creek, Los Angeles River and Compton Creek include metals, nutrients, bacteria / fecal coliform, and trash.

Corridor Stormwater Management Studies, Los Angeles & Ventura Counties, California. *Caltrans.* Engineer. Assistant Project Manager / Project Engineer. Michael Baker helped evaluate the potential for siting permanent stormwater treatment best management practices (BMP) for transportation corridors within Los Angeles and Ventura Counties, California. The corridor studies were conducted to determine the technical feasibility of implementing treatment BMPs in the corridors, estimate pollutant load reductions of the various treatment BMPs, and provide preliminary designs at possible locations of treatment BMPs. The ultimate objective was to determine whether there were sufficient opportunities for placement of BMPs to meet the overall treatment requirements of a court-mandated study.

David Mueller, PE

Floodplain

Summary

Mr. Mueller's experience in water resources and civil engineering include watershed studies, master planning, bridge hydraulic studies, FEMA FIS studies, drainage design, environmental sampling, SWPPP preparation and review, and hydrologic and hydraulic analyses in support of roadways, railways, and land development projects. He has managed projects ranging in complexity from small-scale studies to large public works projects, including planning, permitting, and coordination with federal, state, and local entities. He has performed several peer reviews of projects related to hydrology and hydraulics, FEMA, and flood mapping. Mr. Mueller has also evaluated the feasibility of proposed flood control structures, storage dams, and detention basins for clients.

Project Experience

On-Call Civil Engineering Services including Hydrology and Hydraulics, San Ramon, California. *City of San Ramon.* Project Manager. Provided peer review of the Regional Hydrologic Analysis and associated development plans for the proposed Faria Preserve development in San Ramon, California. Provided preliminary hydraulic modeling of existing and proposed storm drain systems and detention basins. Provided review of SWPPP and Erosion Control Plans. Michael Baker provided civil engineering services including hydraulics and hydrology.

Non Michael Baker Project Experience

Novato Creek Watershed Hydraulic Study, Marin County, California. *Marin County Public Works.* Project Manager. Responsible for the detailed study of the Novato Creek Watershed to evaluate the flood protection capability of the current system and to recommend modifications that will enhance performance, promote ecological value, and adapt to climate change. A HEC-HMS hydrologic model was developed to provide inflows to the hydraulic model. A two dimensional (2D) hydraulic model of the Novato Creek watershed using FLO-2D and HEC-RAS was developed for use in evaluating the capacity of the existing flood control system and to provide a basis for alternatives analysis. A 2D PCSWMM model was developed to evaluate flooding under various design storms.

Deer Island Detention Basin Overflow Weir Design, Novato Creek Dredge Reach Re-design, Marin County, California. *Marin County Public Works.* Project Manager. Responsible for developing the preliminary hydraulic design of a temporary overflow weir in Novato Creek intended to provide emergency flood relief for downtown Novato. The overflow weir was sized to provide optimal flood protection benefits for the City of Novato by allowing flows from Novato Creek to spill into the Deer Island Detention Basin during high flows and tides. Revised the hydraulic model developed for Novato Creek with the Novato Storm Drainage Master Plan to evaluate flood protection in several design scenarios. The project also included design of a segment of Novato Creek to better manage sediment through downtown Novato. Developed several alternatives to evaluate flood control capacity by optimizing dredging locations in adherence to Regional Water Quality Control Board requirements.

Northeast C-1 Detention Basin Conditional Letter of Map Revision (CLOMR), Henderson, Nevada. *City of Henderson.* Project Engineer. Flood control facilities constructed consist of an upper berm, a concrete-lined collection channel, the 353 acre-feet Northeast C-1 (NE C-1) Detention Basin, and a storm drain outfall facility to convey flows to the existing C-1 channel downstream. Hydrologic analyses were initially referenced from previous studies, but FEMA requested additional 24-hour and 3-hour storm distributions in order to determine the critical storm duration that would yield the maximum reservoir stage or maximum reservoir volume during the design storm. Hydraulic analyses included HEC-RAS and WSPG modeling of the NE C-1 Detention Basin, outfall channel, adjacent) Drake Channel, and normal depth calculations of the upper berm.

Years of Experience: 20

Education/Training:

B.S.C.E., 1996, Water
Resources/Environmental
Engineering, University of Minnesota

Licenses/Certifications:

Professional Engineer - Civil, California,
2011, C75413

San Ramon Civil and Survey On-Call, San Ramon, California. *City of San Ramon.* Project Manager. Responsible for several task orders were delivered over three years. A peer review was performed of the hydrologic and hydraulic analyses and flood mapping for Norris Creek and Oak Creek. A hydraulic study updating the previous analysis for Oak and Norris Creek was developed for submission to FEMA. A HEC-HMS hydrologic model and a HEC-RAS hydraulic model were developed per Contra Costa County standards and calibrated. Also included in this on-call contract was review of SWPPP Plans, drainage plans, and grading plans for the Faria Development.

North Lane Stormwater Mitigation Project, Orinda, California. *City of Orinda.* Project Manager. Responsible for the full design of a 60-inch storm drain system including preparing plans, specifications and an estimation of construction costs; and obtaining compliance with all state and local environmental regulations. Managed the project, prepared and reviewed technical reports, coordinated with local utilities, and developed hydraulic design of the storm drain for the project.

Facebook Campus Hydraulic Study, Palo Alto, California. *Facebook.* Project Manager. This hydraulic study consisted of development of a hydrologic and hydraulic model using PCSWMM, and preliminary design of a storm drainage system for a portion of the Facebook Campus.

Belmont Creek Watershed Study, San Carlos, California. *Novartis Pharmaceuticals.* Project Engineer. This watershed study was developed at the request of Novartis Pharmaceuticals in response to prolonged flooding at their facility adjacent to Belmont Creek in San Carlos, California. Mr. Mueller oversaw the development of a hydrologic model in HEC-HMS and a hydraulic model in PCSWMM to evaluate design storms to reduce flood risks and promote sediment transport. The models were developed based on alternatives chosen by the project stakeholders. The hydrologic and hydraulic models were validated based on flow monitoring during several flow events on Belmont Creek. Mr. Mueller also presented the results of the hydrologic and hydraulic models at stakeholder meetings.

Mathews Road Bridge over Manning Creek, Lake County, California. *Lake County Public Works.* Project Manager. Prepared Bridge Location Hydraulic Study and Bridge Design Hydraulic Study for this bridge replacement project. Prepared HEC-RAS model and hydrologic analysis of Manning Creek. Prepared bridge scour calculations and design of scour countermeasures per HEC-23. Responsible for project management and coordination with bridge design team.

Florentina Craciun

CEQA/NEPA, Section 4F

Summary

Ms. Craciun is an AICP-certified associate planner with seven years of experience preparing California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) documents and permitting applications. She has managed environmental compliance for linear projects and urban development, including permitting and CEQA implementation. As part of her management role, she directed resource specialists in completing technical studies, including biological resources, and complex permitting applications. She conducted environmental review and compliance for a variety of projects, including urban development, rail, infrastructure, and park remediation projects. Ms. Craciun has expertise in permitting strategies for projects to comply with federal, state, and local requirements.

Years of Experience: 7

Education/Training:

M.A., 2011, Urban

Planning/Environmental Planning,
University of California, Los Angeles

B.A., 2005, History, University of
California, Santa Barbara

Project Experience

El Portal Soccer Field Categorical Exemption, San Pablo, California. *City of San Pablo.* Project Manager. Managed the preparation of a Categorical Exemption and supporting documentation for the renovation of an existing sports field in the City of San Pablo. Technical studies included a photometric study to evaluate the impact of new nighttime lighting on surrounding residences. The project was cleared under a Class 32 CEQA exemption. The project had a fast four week turn around due to funding deadlines.

Shell Gas Station Expansion Project Initial Study/Mitigated Negative Declaration, San Pablo, California. *City of San Pablo.* Deputy Project Manager. Helped manage the IS/MND for project under a very tight timeline and budget. The project would update and expand the existing Shell Oil buildings and site to a gas station, convenience store, retail building, and car wash. Construction would take place over two phases. Significant environmental issues included hazardous materials and biological resources.

Hare Creek Center Project EIR, Fort Bragg, California. *City of Fort Bragg.* Project Manager. Managed the preparation of an EIR for the new commercial development in the City of Fort Bragg. The project is very contentious and Ms. Craciun is managing both community, developer and city expectations. The project proposes to develop a 29,500 square foot (sq. ft.) shopping center, anchored by Grocery Outlet, on the project site. The project would occupy an existing 2.42-acre lot and would add an additional 0.74 acres to the lot, for a total of 3.16 acres upon approval of a lot line adjustment. The project is located within the City's coastal zone and within an important view shed corridor.

California High-Speed Train – Bakersfield to Palmdale Segment. *California High-Speed Rail Authority.* **Environmental Planner.** Helped compile Section 4f Chapter of the Bakersfield to Palmdale segment by integrating historic property data with recreational resources data for alternative analysis and LEDPA conclusion compilation. (Prior to joining Michael Baker)

Fremont High School Redevelopment Focused EIR, Oakland, California. *Oakland Unified School District.* Project Manager. Managed the preparation of an EIR for the redevelopment of Fremont High School in the City of Oakland. The project would demolish and modify existing historic structures on site. Special attention was paid to community outreach, relationship with the City of Oakland, and the historical societies in Oakland.

Ralston Middle School Traffic Project. *Belmont Tahoe/Ralston Unified School District.* CEQA Deputy Project Manager. Helping to manage the preparation of a Categorical Exemption analysis for the district, which is proposing to reconfigure Tahoe Drive and Ralston Avenue to alleviate traffic backups for Ralston Middle School. The main environmental issues are biological resources and traffic.

Churchill Property Subdivision Initial Study/Mitigated Negative Declaration, Hollister, California. *City of Hollister.* Project Manager. Managed the preparation of an EIR for the rezoning, annexation and subdivision of a 98 home area in the City of Hollister. Special attention was paid to hydrology and storm water flow and noise issues.

Zoning Code Update Initial Study/ Negative Declaration, Palmdale, California. *City of Palmdale.* Project Manager. Managed the preparation of an Initial Study for a zoning code update to allow for installation of wireless boxes on existing city lights. The project did not have any environmental impacts and a Negative Declaration was prepared.

Hotel Durell Initial Study/ Mitigated Negative Declaration, Pacific Grove, California. *City of Pacific Grove.* Project Manager. Managed the preparation of an Initial Study and Mitigated Negative Declaration for a new 120 room hotel in the City of Pacific Grove. Major issues included historic resources, tribal resources and consolation and water supplies.

Public Assistance (PA) and Hazard Mitigation Projects. *Federal Emergency Management Agency (FEMA),* Environmental Planner. Completed environmental review for a number of vegetation management and home elevation projects for FEMA's PA and hazard mitigation programs. Conducted project reviews; wrote environmental compliance reports and closeouts. Reviewed correspondence with the State Historic Preservation Officer, the US Fish and Wildlife Service, and the subapplicant; developed Categorical Exclusions and Supplemental Environmental Assessments under NEPA. (Prior to joining Michael Baker)

California High-Speed Train – Bakersfield to Palmdale Segment, California. *California High-Speed Rail Authority.* Environmental Planner. Helped compile Section 4f Chapter of the Bakersfield to Palmdale segment by integrating historic property data with recreational resources data for alternative analysis and LEDPA conclusion compilation. (Prior to joining Michael Baker)

Reach 2B, Fresno and Madera Counties. *US Bureau of Reclamation.* Environmental Planner. Authored the CEQA/NEPA impact analysis for the Reach 2B aesthetic resources section. (Prior to joining Michael Baker)

National Park Services Verizon Mt. Vision, Point Reyes, California. *Verizon Wireless.* Environmental Planner. Compiled Environmental Screening Form reviewing potential impact of proposed project on project area. (Prior to joining Michael Baker)

Martti Eckert, AICP

Visual

Summary

Mr. Eckert brings over a decade of urban design and long-range planning experience to Michael Baker's Planning, Design, and Facilitation team. During his tenure with the company, he has worked on numerous advance planning projects, including general, specific, and downtown plans, zoning ordinances, design guidelines, and community visioning efforts. Mr. Eckert has acquired expertise working on all phases of these projects, including managing projects, facilitating charrettes, workshops, and other outreach activities, leading discussions with decision-makers, researching background resources and innovative planning concepts, drafting provisions, guidelines, and other content for project deliverables, and preparing maps and illustrations. Mr. Eckert's architectural background enables him to apply a creative approach to problem solving. He advocates for planning and urban design that serves the public interest and improves quality of life for all users.

Project Experience

San Pablo Zoning Code Update, California. *City of San Pablo.* Associate Planner. Responsible for preparing a series graphics to illustrate the Zoning Code's key concepts. Michael Baker updated the city's Zoning Ordinance to implement the General Plan. Michael Baker's services included adding text and map amendments for mixed-use districts, developing new residential development standards, incorporating green building code provisions, improving site planning standards, updating special use regulations consistent with state law and best practices, and streamlining permit processes.

Tehachapi Community Visioning Workshop, California. *County of Kern.* Associate Planner. Responsible for preparing outreach materials, facilitating workshops, and preparing an illustrative vision plan for the project area's future. Michael Baker prepared a Vision Plan for the community of Old Town Tehachapi containing two key components: a Vision Poster illustrating key improvements to achieve the community's vision, and an implementation matrix outlining the actions necessary to realize the vision and assigning responsibility. A community workshop was held to unveil the Vision Poster and to vet the final Vision Plan with the community.

Coldstream Specific Plan Environmental Impact Report, California. *Town of Truckee.* Associate Planner. Responsible for preparing visual simulations of the proposed project to evaluate its visual and aesthetic impacts. Michael Baker was hired by the City of Truckee to prepare an environmental impact report for the Coldstream Specific Plan, which includes the proposed redevelopment of an abandoned mining site into several residential neighborhoods and a mixed-use town center. Michael Baker also completed four visual simulations of the development envisioned by the plan to accommodate aesthetic concerns for the planning area, which was located near an area of exceptional scenic quality in the Sierra Nevada mountain range.

Pittsburg/Bay Point Bart Master Plan, California. *Redevelopment Agency of the City of Pittsburg.* Associate Planner. Responsible for participating in conceptual design process and preparing graphics for inclusion in the Master Plan. Michael Baker worked with City of Pittsburg staff, stakeholders, Bay Area Rapid Transit (BART), and community members to develop the Master Plan for the area around the Pittsburg/Bay Point BART station. The 50-acre project area originally comprised a 2,000-space surface parking lot for the BART station, bus and passenger loading/unloading, and vacant land owned by multiple parties. The goal was to produce a Master Plan to transform the site into a vibrant, multimodal, transit-oriented development with a mix of residential, retail, and commercial uses.

Years of Experience: 12

Education/Training:

M.C.R.P., 2005, City and Regional Planning, The Ohio State University

B.S., 0, Architecture, University of Cincinnati

Licenses/Certifications:

American Institute of Certified Planners, 2016, 029070

Logan Downtown Specific Plan, Utah. *City of Logan.* Associate Planner. Responsible for conceptual design process and the creation of an illustrative site plan that portrays the plan's vision for new development and redevelopment in the planning area. Michael Baker conducted a comprehensive revitalization plan for the City of Logan's central business district. The plan guides development and transportation enhancements, and recommends market and economic restructuring for the City of Logan and the Logan Downtown Alliance

Victorville Old Town Specific Plan, California. *The Victorville Redevelopment Agency.* Associate Planner. Responsible for preparing a rendered site plan that illustrated the plan's vision for new development and redevelopment in the planning area and drafting portions of the plan. Michael Baker prepared a Specific Plan for Victorville's downtown area, which proposed redeveloping the blocks in proximity to the downtown train station as a walkable transit-oriented development. Improvements include replacing the existing underperforming automobile-oriented commercial development with commercial mixed-use development and increasing the density of residential development.

Vista Downtown/Paseo Santa Fe Corridor, California. *City of Vista.* Associate Planner. Responsible for preparing annotated base maps that illustrated opportunities and constraints associated with improving Vista's pedestrian and bicycle networks. Michael Baker assisted the City in preparing a comprehensive framework for redevelopment of downtown Vista and the Paseo Santa Fe corridor. Redevelopment plans incorporate smart growth concepts and coordinate land use, parking, and transportation planning. The study, informed by feedback garnered in an engaging community involvement process, addresses all of the objectives identified in the Santa Fe/Mercantile Corridor Revitalization Strategy Implementation Plan and works within the context of the Downtown Specific Plan.

Rio Rancho Comprehensive Bicycle and Pedestrian, New Mexico. *City of Rio Rancho.* Associate Planner. Responsible for preparing rendered street cross-sections that illustrated the implementation of the plan's measures. Michael Baker created a comprehensive master plan of bicycle and pedestrian facilities. This plan was funded by a grant from the federal government and includes documentation of reductions in vehicle travel and the generation of greenhouse gases that will result from the implementation of proposed facilities and programs. The plan won the New Mexico Chapter of the American Planning Association's Transportation Master Plan award and the 2011 Environmental Business Journal Project Merit award.(

Courtney Wood, AICP, IAP2, LEED AP

Community Outreach

Summary

Ms. Wood has twelve years of experience working on community planning, housing, and community engagement projects. Her expertise includes neighborhood revitalization plans, downtown plans, general plans, housing elements, and housing program management. She has extensive experience conducting innovative community engagement programs for municipal planning projects including workshops, open houses, design charrettes, and web-based participation.

Project Experience

Imperial Downtown Redevelopment Master Plan and Design Guidelines, Imperial, California. *City of Imperial.* Community Planner and Community Involvement Coordinator. Michael Baker assisted the City in developing a vision and design guidelines to guide future redevelopment. The planning process was divided into three phases focused on different stages of the project. Phase I included a walking tour and workshop with the citizen-based committees, stakeholder interviews, and a logo contest with Imperial High School students. Michael Baker prepared a series of existing conditions pattern sheets and an opportunities and constraints plan to assist in understanding downtown, and researched local history. Phase II consisted of a design charrette to develop ideas for downtown redevelopment and urban design character. Michael Baker developed maps and illustrative graphics to depict areas of civic importance, expanded sidewalks, pedestrian ways, new parking areas, and streetscape enhancements that incorporate features of Imperial's natural and cultural history. Phase III entailed the final review of the master plan and design guidelines with the committees and ended with the development of a comprehensive implementation program.

Plan Santa Paula: Housing Workshop Series, Santa Paula, California. *City of Santa Paula.* Community Involvement Coordinator. Developed a survey and designed and conducted a series of intensive, hands-on community workshops focused on future housing and development both in and adjacent to the city. Michael Baker developed a survey and designed and conducted a series of intensive, hands-on community workshops focused on future housing and development both in and adjacent to the city. Michael Baker designed the workshops to involve hundreds of residents in community dialogue and deliberation about how the city can and should grow. The four-part facilitated workshop series was televised live on cable.

Community Plan Continuum. *San Bernardino County.* Community Engagement Lead. San Bernardino County is launching a new system of community planning known as the Community Plans Continuum (CPC). The CPC will guide local expectations for County services, including service levels, and set a clear direction for the future. This system of community planning will guide planning and implementation for all unincorporated communities as they pursue their own unique lifestyle choices and goals. Michael Baker is currently assisting the County in the development of 26 community plans, utilizing an extensive community engagement process.

City of Scottsdale Advance Planning, Scottsdale, Arizona. Public Participation Facilitator. Responsible for developing an approach, outreach materials, and workshop materials, facilitating the visioning workshop efforts, and conducting a two-day facilitator training session for City staff. Michael Baker developed a public participation plan for two of the city's nine community planning areas as part of the City's comprehensive General Plan update. Michael Baker worked concurrently on participation plans for the Southern Scottsdale and Greater Airport areas. Michael Baker also conducted a two-day graphic facilitation training session for City staff from the Planning and Development Services, Citizen and Neighborhood Resources, Community Services, and Economic Vitality departments.

Years of Experience: 12

Education/Training:

BA, 2004, Urban and Regional Planning,
California State Polytechnic
University, Pomona

Licenses/Certifications:

American Institute of Certified Planners
(AICP)

LEED Accredited Professional

International Association of Public
Participation (IAP2)

Scottsdale Downtown Placemaking, Scottsdale, Arizona. *City of Scottsdale.* Outreach Coordinator. Conducted an initial three-day placemaking series including a visioning workshop, two walking audits, a business forum, and a design charrette; and a second one-day alternative futures workshop series with a business forum and an interactive open house. Michael Baker facilitated a community outreach series as part of the Downtown Scottsdale Plan update.

Comprehensive General Plan Update, Laguna Woods, California. *City of Laguna Woods.* Assistant Project Manager. Michael Baker is current assisting the City of Laguna Woods in the preparation of a comprehensive General Plan and Housing Element update.

2030 General Plan Update and Environmental Impact Report, Lancaster, California. *City of Lancaster.* Community Planner. Michael Baker assisted in the preparation of a General Plan update that was technically sound and responsive to community values and priorities. The city faced a potential for dramatic change by the year 2030, necessitating reevaluation of the General Plan to plan for growth and changes. The emphasis of the update was to understand current issues and opportunities; identify community priorities and values; and incorporate them into the plans, goals, policies, and land use map.

Old Town West Neighborhood Improvements Master Plan, Thousand Oaks, California. *City of Thousand Oaks.* Community Planner and Outreach Coordinator. Worked closely with neighborhood residents, and facilitated a number of community workshops and neighborhood walks. Contributed to the preparation of a master plan identifying infrastructure deficiencies and providing specific guidance. The master plan provides a planning framework for infrastructure, pedestrian connections and activity, drainage improvement, and aesthetic enhancements of the neighborhood anticipated to be implemented over a 10-year period through Community Development Block Grant funding. The final phase refined the Old Town West Neighborhood Master Plan, which was presented to the City Council for approval in June 2008 and approved unanimously.

Jerome Ruddins, CCM, QSP, CISEC

Equipment Staging

Summary

Mr. Ruddins possesses over 30 years of construction management and inspection experience and has been responsible for the administration and inspection of over \$2.5 billion of public works construction projects. He has worked extensively with the Caltrans Standard Specification and Construction Manual. Throughout his career, Mr. Ruddins has worked hand-in-hand with Caltrans Compliance Officers on federally funded projects preparing, analyzing, and presenting change orders, force account work, coordinating the monthly field file audit, and the final construction file. As a Construction Manager, he has worked closely with Resident Engineers coordinating RFIs, submittals, material testing and inspection, and field survey. He has also chaired construction site meetings, reviewed schedules, quantity calculations, and pay estimates. Other responsibilities include quality control of inspection, utility coordination, constructibility reviews, value engineering, specification quality control, and construction safety.

Project Experience

La Brea Avenue Streetscape Improvement Project, West Hollywood, California. *West Hollywood, City of.* Principal-In-Charge. Responsible for project oversight. Michael Baker provided construction management and inspection services on this streetscape project that involved 5,729 square feet of new green space using drought tolerant plantings; 40 new street trees; medians; planted tree wells; parkways designed as infiltration planters; and 21 new blue pedestrian level street lights along La Brea Avenue on the three-block segment from Fountain Avenue to Romaine Street. The work consisted of pavement preparation, street resurfacing, cold milling, pavement striping and markings, bus pad installation, loop replacement, adjustment of manhole frame and utility cover to grade, and installation of a pedestrian signal.

Palm Canyon Drive Streetscape Project, Cathedral City, California. *City of Cathedral City.* Construction Manager. Responsible for construction management. Michael Baker provided construction management and inspection for all street improvements for Palm Canyon Drive and downtown core streets for the city's downtown revitalization project. Michael Baker's services included coordination with local agencies, utilities, other consultants, and contractors.

On-Call Public Works Construction Management and Inspection Services, Cypress, California. *City of Cypress.* Principal-In-Charge. Responsible for project oversight. Michael Baker provided on-call construction management and inspection services to the City of Cypress. Tasks included: City Hall remodeling, sewer relocations, slurry seals, overlays, pavement management and replacement, street improvements, water line upgrades, SCE system upgrades, and ADA ramps.

Construction Management and Inspection of Various Federal and State Funded Projects, West Hollywood, California. *West Hollywood, City of.* Principal-In-Charge. Responsible for project oversight. Michael Baker provided construction management and inspection services to the City of West Hollywood. Assignments encompassed street rehabilitation, street improvements, aesthetic improvements, safety improvements, traffic improvements, ARHM, lime treatment, grinding, traffic signals, interconnects, curb and gutter, sidewalks, decorative paving, bus pads, bus stop improvements, street lighting, ADA ramps, SWPPP, BMPs, NPDES, sewer repair and rehabilitation, landscaping, and irrigation. Michael Baker also provided extensive public relations and community outreach, implemented cost reducing measures, and facilitated state and federal funding.

Years of Experience: 33

Education/Training:

B.S., 1985, Construction Management,
California State University at Long
Beach

Licenses/Certifications:

Qualified SWPPP Practitioner (QSP),
California, 2011, 21030

Certified Inspector of Sediment &
Erosion Control, California, 2011,
0783

OSHA 30-Hour Construction Outreach
Training, 2008

Certified Construction Manager, 2014,
3172

Hazardous Waste Operations and
Emergency Response, 2015,
14461134

Laguna Hills Drive and Enterprise Street Improvements, Aliso Viejo, California. *Shea Homes.* Project Manager. Responsible for project management. Michael Baker provided construction management and project supervision services for street improvements in Aliso Viejo, California. The project included \$4.5 million in street improvements for Laguna Hills Drive, Enterprise, and Grand Avenue. The work also included the storm drain master facility J01P40 for the County of Orange. The improvements included asphalt paving, curb and gutter, sidewalk, striping/signing, reinforced concrete pipe, dry utilities, sewer, water, reclaimed water, traffic signals, and enhanced improvements for the Aliso Viejo Town Center.

96th Street Improvement Project, Los Angeles, California. *County of Los Angeles.* Construction Manager. Responsible for construction management. Michael Baker provided construction management services for a street improvement project, which included sewer line, water line, connecting the existing laterals to the new main, new manholes, sidewalk, curb and gutter removal and replacement, driveway and handicapped-access ramps, planting new landscaping, and repairing the street with asphalt concrete overlay. Michael Baker's services included construction coordination, inspection coordination, survey services, and project oversight.

BMP Retrofit Pilot Project - Summary Report, Caltrans (Contract No. 43A0051), Districts 7 and 11, Southern California. *Caltrans.* Construction Manager. Responsible for construction management. Michael Baker led the preparation of a summary report for the best management practices retrofit pilot project. The summary report will serve as the final document describing the results of the entire retrofit pilot program and, specifically, detailing the "lessons learned" during the process. The structure of the summary report was developed by Michael Baker and Caltrans, in consultation via the plaintiffs, and included the following general topics: siting process, design process, construction, operation and maintenance, and sampling. As a part of the reporting structure, Michael Baker developed a secure website, where sampling data is posted and available for viewing by the project team ([www. Michael Baker.com](http://www.MichaelBaker.com); see Caltrans "Stormwater" button). Michael Baker was also the primary architect of the project database that was developed to hold the information gathered as a part of the operation of the pilots in both District 7 and District 11.

Nichole Jordan Davis, RPA

Cultural Resources

Summary

Ms. Jordan Davis is a registered professional archaeologist and a member of the Society for California Archaeology, the Society for American Archaeology and the California Council for the Promotion of History. She meets the Secretary of the Interior's Standards for prehistoric and historical archeology and the Society for California's Archaeology's professional qualification standards for Principal Investigator. Ms. Jordan Davis has 14 years of experience in cultural resources management, including project management, personnel management, tribal consultation, archival research, laboratory analysis, ethnographic and historical research, field survey, prehistoric and historical excavation, laboratory analysis, collections management, and GIS applications. She has experience in the preparation of archaeological research, survey, testing, excavation, evaluation for inclusion in the National Register of Historic Places (National Register) and California Register of Historical Resources (California Register), and monitoring reports pursuant to Section 106 of the National Historic Preservation Act and California Environmental Quality Act (CEQA) requirements. She has completed projects in California, Nevada, Oregon, Utah, and Polynesia.

Years of Experience: 14

Education/Training:

MA, 2009, Anthropology and Archaeology, California State University at Hayward

BA, 2005, Anthropology, California State University at Sacramento

AA, 2003, Anthropology/Earth Science, American River College of Sacramento

Licenses/Certifications:

Professional Archaeologist, California

Project Experience

Old Town Streetscape, Elk Grove, California. *City of Elk Grove.* Task Manager. The City of Elk Grove, in coordination with the California Department of Transportation (Caltrans), with funding administered through the Federal Highway Administration (FHWA), proposed construction of the sidewalks, bus turnouts, medians, street and pedestrian lighting, driveway conforms, drainage work, utility relocation, landscaping, and removal of vegetation and trees. Thirteen built environment resources were evaluated for inclusion in the California Register, National Register, and Elk Grove Register. In addition, during tribal consultation, tribal cultural resource sensitivity was identified within the Area of Potential Effects (APE) and an Extended Phase One archaeological excavation was required. Mrs. Davis directed the cultural resources technical studies which resulted in a finding of no historic properties effected and required a Historic Property Survey Report (HPSR), Archaeological Survey Report (ASR), Historic Resources Evaluation Report (HRER), Extended Phase I Study, and APE map. (Prior to joining Michael Baker)

Cultural Resources Monitoring Report 607 Hearst Street and Second Street, Berkeley, California. *City of Berkeley.* Project Manager. Cultural resources technical study documented the results of archaeological monitoring within the West Berkeley Shellmound, a City of Berkeley Historical Landmark Area. The fiber optic line installation was halted periodically to assess archaeological finds but the project was completed with a finding of no historic properties effected. Mrs. Davis managed contract and technical study preparation.

Kammerer Road Extension Project, Elk Grove, California. *City of Elk Grove.* Task Manager. The County of Sacramento and the City of Elk Grove, in coordination with Caltrans, with funding administered through the FHWA, proposes to extend Kammerer Road between Highway 99 and Interstate 5. Fourteen built environment cultural resources were recommended not eligible for inclusion in the National Register and California Register and one prehistoric archaeological resource was assumed eligible for purposes of the project. Consulting tribes were invited to be concurring parties on the Programmatic Agreement prepared for the project because they identified the prehistoric archaeological resource as a Tribal Cultural Resource within the APE. Mrs. Davis directed the cultural resources technical studies which resulted in a finding of no historic properties effected with standard conditions (ESA) and required an HPSR, ASR, APE, HRER, Management Plan, Programmatic Agreement and Memorandum of Understanding.

Cosumnes River College Expansion. *Los Rios Community College District.* Project Manager. The Cultural resources technical study summarized the methods and results of records search, archival research, field survey, records search, and historical society consultation, in support of environmental review of the project under CEQA. No cultural resources were identified within the project area, and the project was determined to have a less than significant impact with mitigation incorporated. Recommendations were provided for mitigating impacts to archaeological cultural resources and human remains if encountered during project-related construction. Findings of the report were incorporated into the environmental document completed for the project. Mrs. Davis managed contract and technical study preparation.

East Lawn Cemetery Expansion, Elk Grove, California. *City of Elk Grove.* Task Manager. The Cultural resources technical study documented the methods and results of archival research, archaeological and built environment field survey, AB 52 Native American consultation, and historical society consultation in support of the environmental review under CEQA. No archaeological resources were identified in the project area; one built environment resource, the East Lawn Elk Grove Memorial Park & Mortuary, was identified adjacent to the project area. The project was determined to have no impact to known cultural resources in the project area, with a less than significant impact to the memorial park and mortuary. The report also included mitigation measures consistent with the Elk Grove General Plan EIR to reduce impacts to a less than significant level should cultural resources or human remains be discovered during project-related construction. The proposed project will construct an additional 20,030 burial plots, connecting driveways, and parking lots adjacent to the existing memorial park and mortuary. Mrs. Davis directed the cultural resources technical study.

Margo Nayar

Cultural Resources

Summary

Ms. Nayar is an architectural historian with seven years of cultural resources management experience in California. Her experience includes built environment surveys, evaluation of historic-era resources using guidelines outlined in the National Register of Historic Places and the California Register of Historical Resources, and preparation of cultural resources technical studies pursuant to CEQA and Section 106 of the National Historic Preservation Act, municipal preservation planning and general plan updates, Native American consultation, historic preservation ordinance updates, and provision of Certified Local Government training to interested local governments. Ms. Nayar also specializes in producing HABS/HAER/HALS (Historic American Buildings Survey, Historic American Engineering Record, and Historic American Landscapes Survey) heritage documentation. She meets the Secretary of the Interior's Professional Qualification Standards for history and architectural history.

Years of Experience: 7

Education/Training:

MA, 2013, Public History, California State University at Sacramento

BA, 2006, History, University of California, Santa Cruz

Project Experience

1726 El Nido Project, Contra Costa County. Cultural Resources Manager. Conducted archival research, field survey, historical society consultation, and eligibility evaluation in support of environmental review of the project under CEQA. The project proposed to demolish a house in a locally listed historical district. The house, originally evaluated as a contributor to the historic district, was evaluated for inclusion in the California Register and the local register. The evaluation recommended the house not eligible for either the local register or the California Register, or as a contributor to the historic district, due to a severe lack of integrity. Based on the outcome of the evaluation, the project was downgraded from an EIR to an IS/MND. The outcome of the study was incorporated into the IS/MND.

Pacific Street Widening Project, Rocklin, California. *City of Rocklin.* Architectural Historian. Developed the APE, conducted interested parties consultation, and authored the HRER required for the project in compliance with CEQA and Section 106 of the NHPA. The HRER evaluated and recommended one linear resource not eligible for inclusion in either the National Register or the California Register. The OHP concurred and determined the resource not eligible for listing in either register. The City, in conjunction with Caltrans and the FHWA, proposed the project. (Prior to joining Michael Baker)

Old Town Elk Grove Streetscape Project, Elk Grove, California. *City of Elk Grove.* Cultural Resources Manager. Developed the APE, conducted AB 52 Native American consultation, and co-authored the archaeological excavation Extended Phase 1 Proposal and Extended Phase 1 Report required for environmental compliance under CEQA and Section 106 of the NHPA. The City, in conjunction with Caltrans, as assigned by the FHWA, proposed the streetscape improvement project.

Railroad Street Plaza, Elk Grove, California. *City of Elk Grove.* Cultural Resources Manager. Developed the project area map, conducted interested parties consultation, a records search, and historic research, and authored the cultural resources identification and evaluation report required in compliance with CEQA. One railroad spur was identified and evaluated as part of the existing Elk Grove Winemaker Historic District, a historical resource as defined by CEQA. The project was determined to have a less than significant impact to the historical resource. The report also recommended mitigation measures for previously unidentified archaeological cultural resources and human remains to avoid or reduce impacts of project-related construction. The findings of the study were incorporated into the environmental document completed for the project.

Kammerer Road Extension Project, Elk Grove, California. *Sacramento County and City of Elk Grove.* Cultural Resources Manager. Developed the APE, conducted interested parties consultation, and authored the HRER and HPSR required for environmental

compliance with CEQA and Section 106 of the NHPA. The project evaluated and recommended 15 resources not eligible for the National Register and the California Register. One prehistoric archaeological site was assumed eligible under the Caltrans Section 106 Programmatic Agreement. The OHP concurred on the eligibility evaluations and with the recommendation to complete a Programmatic Agreement and Management Plan for the prehistoric site. The County and City, in conjunction with Caltrans, as assigned by the FHWA, proposed the project.

Industrial Road/Brittan Avenue Widening Project, San Carlos, California. *City of San Carlos.* Cultural Resources Manager. Developed the project area, conducted interested parties consultation, managed the completion of the archaeological and built environment field surveys, and authored the cultural resources identification and evaluation study completed in compliance with CEQA. The project identified, evaluated, and recommended one bridge not eligible for listing in the California Register. The study's findings were included in the environmental document.

Cultural Resources Assessment for 668 Stanislaus Avenue, Angels Camp. *Mark Twain Elementary School.* Architectural Historian. Evaluated a circa 1908 single-family residence for California Register eligibility and recommended the building not eligible due to lack of association with a historic context and integrity. Co-authored the Cultural Resources Assessment Report. Findings of the report and evaluation were incorporated into the environmental document. Mark Twain Elementary purchased the property at 668 Stanislaus Avenue with the intent to demolish the single-family residence and build a parking lot.

Joyce Cheng, PE

Hazardous Waste

Summary

Ms. Cheng has 16 years of diverse experience in civil engineering and environmental remediation. She has strong technical background in engineering design, problem solving, analysis, and review. Ms. Cheng is a proven engineering project manager, successfully delivering projects on time and within budget by utilizing skillful planning, efficient contractor and vendor management, and innovative applications of technologies. She promotes a collaborative atmosphere with internal and external partners and stakeholders to ensure project productivity.

Years of Experience: 16

Education/Training:

B.S., 2001, Civil Engineering, California State Polytechnic University Pomona, Pomona

Licenses/Certifications:

Civil Engineer: CA, #69919

Geotechnical Engineer, CA, #2785

HAZWOPER

Project Experience

Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, Monterey County, California. *United States Army Corps of Engineers.* Project Engineer. Ms. Cheng prepared the A-Aquifer Remedial Action Plan, oversaw the preparation of the Sampling and Analysis Plan, and provided oversight for baseline sampling, performance monitoring, and post-treatment monitoring for the A-Aquifer Remedial Action. The Remedial Action was conducted in six areas, including the pilot study area, to treat a 1.4-mile carbon tetrachloride plume. The sample analyses included the contaminants of concern, volatile organic compounds (VOCs), anions, and dissolved metals, as well as performance indicators such as alkalinity, dissolved gases, and volatile organic acids.

Installation Restoration Program Site 11, Non-Time-Critical Removal Action, NASA Crows Landing Flight Facility, Stanislaus County, California. *United States Navy.* Field Engineer. Ms. Cheng provided oversight for the strategic excavation of 15,000 tons of waste and debris from six areas of contamination for offsite disposal. Discrete soil samples were collected from the bottoms and sidewalls. Sample results were used as guidance to direct further excavation or used as confirmation samples. The sample analyses included metals, polychlorinated biphenyls (PCBs), VOCs, semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), polychlorinated dibenzodioxins and dibenzofurans, and other explosives.

Basewide Groundwater Monitoring Program at Former Naval Air Station Alameda, Alameda County, California. *United States Navy.* Field Engineer. Ms. Cheng coordinated multiple sampling teams to perform quarterly and annual base-wide groundwater monitoring events at Former Naval Air Station Alameda. Each sampling event was completed within a two-week timeframe and included the sampling of approximately 200 wells ranging from 40-feet to 150-feet in depth. The sample analysis suite included metals, PCBs, VOCs, SVOCs, TPH, and radionuclides.

Former Truck Washwater Pond, Soils Investigation, Antioch Facility, Contra Costa County, California. *Confidential Client.* Field Engineer. Ms. Cheng conducted a shallow subsurface soils investigation using direct-push technology. The depths of the borings were approximately 22-feet below ground surface, with soil samples collected at 5-foot intervals starting at the ground surface. The sample analyses included metals and ammonia.

Michael (Tony) Jones, QSD/P, QISP, ToR, CPESC, CESSWI

Hazardous Waste

Summary

Mr. Tony Jones has over 21 years of experience in regulatory compliance and construction environmental management. He began his career as a wastewater chemist for Chevron Chemical Company before entering regulatory compliance as a water resource scientist with the California State Water Resources Control Board. He also spent 6 years as a Registered Environmental Assessor performing CERCLA innocent landowner due diligence investigations and litigation support for toxic tort cases. More recently, Tony has been instrumental in facilitating redevelopment for public agencies, drafting CEQA/NEPA compliance documentation, and managing environmental construction compliance. His uniquely broad technical credentials and legal training, coupled with his state and local resource agency exposure, has given him a perspective that has proven essential to public agency clients in their efforts to anticipate, develop, and implement mitigation strategies for a wide range of environmental challenges. Mr. Jones is also a Certified Asbestos Building Inspector/Management Planner and a Certified Lead Inspector.

Project Experience

Roadway Safety Sign Audit and Sign Upgrade Environmental Analysis, Placer County, California. *Placer County*, Senior Environmental Scientist. Mr. Jones managed an Initial Site Assessment (ISA)/hazardous materials assessment for the installation of approximately 2,600 sign placards and associated sign posts. He utilized both novel and conventional geographic information system (GIS) methods to perform screening for aerially deposited lead, naturally occurring asbestos, hazardous materials cleanups, mining activity, railroads, and dry cleaning facilities. Mr. Jones's team developed a method to import data remotely using a GIS database from smartphones to streamline the inspection and data management. The effort cleared approximately 800 of the 2,600 sign locations for no hazardous material impacts as part of the CEQA/NEPA process for Placer County.

Capital SouthEast Connector – Segment B2, Elk Grove, California. *Capital SouthEast Connector*. Senior Environmental Scientist. The 34-mile Capital SouthEast Connector expressway (Connector) will serve as a beltway through the southern area of Sacramento County into El Dorado County, enabling travelers to bypass downtown Sacramento and Highway 50 congestion between Elk Grove, Rancho Cordova, Folsom, and El Dorado Hills. Mr. Jones was responsible for the Hazardous Waste Study for this project. The Hazardous Waste Study established the evidentiary basis to rule out a wide range of potential hazards at the site while outlining a path to manage any risks that remained, controlling the range of waste management uncertainty during PS&E and construction.

Roundabout on State Route 140/33 Project, Gustine, California. *City of Gustine*. Senior Environmental Scientist. The City of Gustine is planning to convert a T-intersection into a single-lane roundabout on State Route 140/33. Mr. Jones is responsible for producing the Initial Site Assessment (ISA) and the Preliminary Site Investigation (PSI) for the proposed intersection improvement. This is a Caltrans Oversight project. WRECO advised the City early on during the RFP process that preliminary screening of the site history indicated that a combined ISA/PSI would save cost and schedule. WRECO's combined ISA/PSI resulted in a cost-effective and efficient approach, providing the City with a thorough record demonstrating that the range of potential hazards at the site were finite and manageable through standard construction BMPs.

Years of Experience: 22

Education/Training:

Juris Doctorate, 1998, Law, University of California, Davis

B.S., 1993, Environmental Chemistry, University of California, Davis

Licenses/Certifications:

Qualified SWPPP Developer and Practitioner (QSD/P): CA, #25265

Qualified Industrial Stormwater Practitioner (QISP): CA, #55

California Industrial General Permit Trainer of Record (ToR): CA, #55

Certified Professional in Erosion and Sediment Control (CPESC), #8011

Certified Erosion, Sediment, and Storm Water Inspector (CESSWI), #2196

HAZWOPER

Flannery Banks

Hazardous Waste

Summary

Ms. Banks has 10 years of engineering experience, with projects involving erosion control design and development of erosion control plans, drainage and stormwater treatment design, geomorphic studies and monitoring, bank stabilization, hydraulic analysis, geotechnical investigations, and air and water quality monitoring.

Years of Experience: 10

Education/Training:

B.S., 2006, Civil Engineering, Chico State University

Licenses/Certifications:

Engineer-in-Training: CA, #122244

Project Experience

Sacramento Street Bridge Evaluation, City of Vallejo, California. *City of Vallejo.* Associate Engineer. The Sacramento Street Bridge Project in Vallejo crosses over railroad tracks and consists of a four-span bridge with concrete deck supported on steel girders. Ms. Banks is assisting with the development of the Limited Phase 2 Environmental Site Assessment (ESA) Memorandum.

Roadway Safety Sign Audit and Sign Upgrade Environmental Analysis Phase 2, Placer County, California. *Placer County.* Associate Engineer. Ms. Banks researched databases to identify potentially contaminated locations within the project's limits and inspected locations suspected of containing contaminants of concern and identifying potential hazards.

Alameda County Water District Pipeline Relocation Project, City of Fremont, California. *Alameda County Flood Control and Water Conservation District.* Associate Engineer. The Alameda County Flood Control and Water Conservation District is proposing improvements to two roadway crossings at Ardenwood Creek, three crossings at Laguna Creek, and one crossing at Mission Creek. The proposed improvements would conflict with existing water lines owned by the Alameda County Water District. Ms. Banks completed six Limited Phase 2 ESAs for the project. The effort included procuring all necessary permits, coordinating with inspectors and subconsultants, drilling each of the sites with an 8-inch hollow stem auger, collecting soil samples for a pre-screening of management and disposal options, sampling site groundwater to determine potential dewatering and discharge options, and recommending procedures for the safe handling of asbestos-containing materials.

Roundabout on State Route 140/33 Project, City of Gustine, California. *City of Gustine.* Associate Engineer. The City of Gustine is planning to convert a T-intersection into a single-lane roundabout on SR 140/33. Ms. Banks is assisting with the Hazardous Materials Initial Site Assessment (Phase 1) study to satisfy the National Environmental Protection Act clearance for Caltrans.

Four Bridges Asbestos and Lead Investigation, El Dorado County, California. *El Dorado County.* Associate Engineer. Ms. Banks is assisting with asbestos and lead investigations for the Alder Drive, Blair Road, Bucks Bar Road, and Hazel Valley Road bridges and preparing corresponding reports. The asbestos surveys were conducted in compliance with the federal National Emission Standards for Hazardous Air Pollutants regulation for asbestos.

Analette Ochoa, PE, QSD/P, ToR

Water Quality

Summary

Ms. Ochoa has a vast amount of project experience in the Bay Area, with an emphasis in stormwater management and design. She is familiar with the Contra Costa Clean Water Program Guidelines and has designed numerous best management practices for various projects that have met their requirements. She has great working relationships with the San Francisco Bay Regional Water Quality Control Board staff. She has overseen hundreds of Water Quality Studies for environmental documentation during her career. Additionally, Ms. Ochoa has trained Contra Costa County's staff on the Construction General Permit, and she has assisted in the statewide training of Caltrans' staff on LID.

Project Experience

Interstate 80/San Pablo Dam Road Interchange, City of San Pablo, California. *Contra Costa Transportation Authority and Caltrans District 4*, Senior Hydraulic Engineer. The project proposes to increase the traffic capacity of the Interstate 80/San Pablo Dam Road interchange. Ms. Ochoa was responsible for the PA/ED phase Storm Water Data Report and assessing the hydromodification mitigation requirements. The project design goal was to maintain the existing flow patterns and to minimize increased flow volume to the maximum extent practicable. Ms. Ochoa prepared the drainage and low-impact design/stormwater treatment designs for the PS&E phase. The proposed drainage systems were designed to intercept stormwater runoff from the roadway and the areas adjacent to Caltrans' right-of-way.

St. Mary's Road Double Roundabouts, Town of Moraga, California. *Town of Moraga*. Project Manager. This project plans to construct two roundabouts at the Rheem Boulevard and Bollinger Canyon Road intersections, install green infrastructure, and relocate trails to create safer pedestrian and bicycle crossing. Ms. Ochoa is responsible for the Water Quality Study and Water Quality Assessment Report in addition to overseeing drainage, hydrology and hydraulics, biological, and permitting services.

Geary Road Improvements Project, Cities of Walnut Creek and Pleasant Hill, California. *City of Walnut Creek*. Project Manager. Ms. Ochoa was responsible for the Drainage Report, drainage PS&E, Stormwater Control Plans, Conceptual Storm Water Pollution Prevention Plan, Conceptual Water Pollution Control Plans, and hydromodification analysis. In addition, she assisted the City of Walnut Creek with C.3 and Construction General Permit stormwater compliance.

Interstate 80 Integrated Corridor Mobility (ICM) Project, Alameda and Contra Costa Counties, California. *Alameda County Transportation Commission*. Senior Engineer. Ms. Ochoa was responsible for reviewing the Preliminary Drainage Report and Location Hydraulic Study. She also provided updates to the Project Report-level Storm Water Data Report.

State Route 242/Clayton Road Ramps Project, Contra Costa County, California. *Contra Costa Transportation Authority*. H&H Task Lead. Ms. Ochoa was responsible for the Project Study Report-Project Development Support (PSR-PDS) Storm Water Data Report for the project in accordance with current Caltrans PSR-PDS guidelines.

Years of Experience: 23

Education/Training:

B.S., 1992, Civil Engineering, University of California, Davis

Licenses/Certifications:

Civil Engineer: CA, #55279

Qualified SWPPP Developer and Practitioner (QSD/P): CA, #178

Qualified Construction General Permit QSD/P Trainer of Record: CA

HAZWOPER

Chris Sewell, PE, QSD/P

Floodplain

Summary

Mr. Sewell has more than 20 years of experience in projects involving drainage, water supply issues, and hydraulic modeling of rivers and floodplains. He has wide-ranging field experience in a variety of environmental, hydraulic, and hydrologic projects. His typical projects include floodplain analysis and delineation, drainage design, bridge hydraulics, scour analyses, wetland mitigation, water quality assessment, and water-rate measurement and availability.

Project Experience

San Pablo Creek and Wildcat Creek FEMA Mapping Studies, City of San Pablo, California. *City of San Pablo.* Project Lead. Mr. Sewell was responsible for overland flow and river hydraulic analysis and a detailed analysis of the Manning's n equation. He performed HEC-RAS analyses for channel breakout flows (split flows) into the adjacent floodplains. He also developed hydraulic models and floodplain figures for San Pablo Creek and Wildcat Creek and assisted in the development of floodplain and hydraulic analysis reports.

San Pablo Avenue Bridge Replacement at Rodeo Creek, Contra Costa County, California. *Contra Costa County.* WRECO's Project Manager. The existing bridge, located in the Rodeo area near the Rodeo Creek Channel's outlet into San Pablo Bay, had a Caltrans Sufficiency Rating of 25.9 and was eligible for federal Highway Bridge Replacement and Rehabilitation Program funds. Mr. Sewell managed and was responsible for WRECO's scope for the project, which included performing the Location Hydraulic Study to support the environmental study and a Bridge Design Hydraulic Study.

Flood Insurance Rate Map Review Project, City of San Pablo, California. *City of San Pablo.* Lead Project Engineer. Mr. Sewell reviewed techniques, methodologies, and accuracy of the analyses used in determining the delineation of the 100-year floodplain in the proposed Flood Insurance Rate Map.

Walnut Boulevard Widening Project, City of Walnut Creek, California. *City of Walnut Creek.* Project Engineer. Mr. Sewell performed hydrologic and hydraulic analyses for the proposed widening project. He also developed the alternative drainage schemes including a benefit analysis.

State Route 4 Widening Project, Loveridge Road to Somersville Road, Contra Costa County, California. *Contra Costa Transportation Authority and Caltrans District 4.* Senior Engineer. Mr. Sewell was responsible for development and analyses of a storm drain lift station combined with a downstream water quality detention basin. A large underground storage/wet well was incorporated into the design because of the high volume and peak discharge handling requirements. The design included a series of pumps serving the design event and diverting the water quality flow to the detention basin.

Years of Experience: 20

Education/Training:

BASc., 2000, Civil & Environmental Engineering, University of British Columbia

Licenses/Certifications:

Civil Engineer: CA, #64807

Qualified SWPPP Developer and Practitioner (QSD/P): CA, #618

Jerid Elia

Biological

Summary

Mr. Elia has 10 years of experience as a biologist and environmental specialist. He specializes in watershed systems restoration, California ecosystems, geology, geomorphology, and hydrology. He is also familiar with implementing state and federal permit regulations. Mr. Elia is responsible for preparing biological resource studies, habitat assessment reports, wetland delineation reports, and state and federal permit applications. He is certified in wetland delineations and California Rapid Assessment Method (CRAM), and he has attended seminars for rare pond species survey techniques.

Years of Experience: 10

Education/Training:

B.S., 2006, Earth Systems Science and Policy, California State University, Monterey Bay

Project Experience

Riverside Avenue Streetscape and Underground Utility Improvements, Santa Cruz, California. *City of Santa Cruz.* Project Manager. Responsible for project management and preparing plans, specifications, and estimates (PS&E). Michael Baker provided engineering and design

Biological Support for Construction Management Services for the Regional I-680 Express Lane Network Project: Phase 1, Alameda County, California. *Metropolitan Transportation Commission.* Biologist. Mr. Elia was responsible for performing preconstruction special-status plant surveys within the project site for San Joaquin spearscale, big tarplant, and Congdon's tarplant. Mr. Elia performed mitigation monitoring for nesting birds and burrowing owls protected under the Federal Migratory Bird Treaty Act and the Federal Endangered Species Act. Mr. Elia also performed a site assessment for California red-legged frog and California tiger salamander. He is responsible for performing worker awareness training to educate construction workers about the presence of special-status plant and wildlife species.

Hecker Pass Safety Improvement Project, Santa Clara County, California. *Caltrans District 4.* Biologist. Mr. Elia assisted in preparing the USACE 401 Certification for the Hecker Pass Safety Improvement Project, which impacted waters of the state, waters of the U.S., and riparian habitat along State Route 152 near the City of Gilroy. Mr. Elia was responsible for developing an on-site and off-site Mitigation and Monitoring Plan that would meet the RWQCB permit requirements for mitigation. The plan included off-site mitigation plan design; detailed planting success criteria, plant palette, and management strategies; and proposed off-site mitigation locations. In addition, he conducted a jurisdictional determination for waters of the U.S., and prepared a wetland delineation report associated with the off-site mitigation. Mr. Elia assisted in off-site mitigation strategies and field visits and conducted extensive background research.

Lovers Lane Safety Improvement Project, Santa Clara County, California. *Caltrans District 4.* Biologist. Mr. Elia provided biological support for mitigation planning to achieve U.S. Army Corps of Engineers' (USACE) 401 Certification for the Lovers Lane Safety Improvement Project, which impacted 1.3 acres of streambed, riparian habitat, and wetlands along State Route 152 near the City of Gilroy. Mr. Elia was responsible for developing an on-site and off-site Mitigation and Monitoring Plan (MMP) that would meet the Regional Water Quality Control Board's (RWQCB) permit requirements for mitigation. The plan included conceptual off-site mitigation plan design; detailed planting success criteria, plant palette, and management strategies; and proposed off-site mitigation locations. Mr. Elia assisted in off-site mitigation strategies and field visits and conducted extensive background research.

Sandra Etchell, MS

Biology

Summary

Ms. Etchell has more than 21 years of experience as an environmental biologist, permit specialist, and inspector with skills including the identification of birds, fish, plants, mammals, amphibians, and reptiles of California. Her responsibilities have included being the lead environmental monitor/inspector and lead biologist on small- to large-scale linear projects; conducting biological resources and special-status species surveys; and preparing documentation for California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance. Ms. Etchell is also experienced in the preparation of project permit applications for the California Department of Fish and Wildlife (CDFW), U.S. Army Corps of Engineers, San Francisco Bay Conservation and Development Commission (BCDC), the California Coastal Commission (CCC), and the Regional Water Quality Control Board (RWQCB). In addition, she is experienced in the design, preparation, and implementation of restoration and revegetation plans and projects for a variety of habitats.

Years of Experience: 21

Education/Training:

M.S., 2009, Environmental Management, University of San Francisco

B.A., 1999, Biology (Zoology), Sonoma State University

Project Experience

San Pablo Dam Seismic Upgrade Project, Contra Costa County, California. *East Bay Municipal Utility District (EBMUD).* Permit Compliance and Biologist. Ms. Etchell performed compliance inspections to ensure that the project adhered to conditions required in the biological resource agency permits issued for the project. Sensitive species covered in the East Contra Costa County conservation plans, with the potential to occur at the site, included the California red-legged frog, Alameda whipsnake, western pond turtle, and other listed birds and mammals.

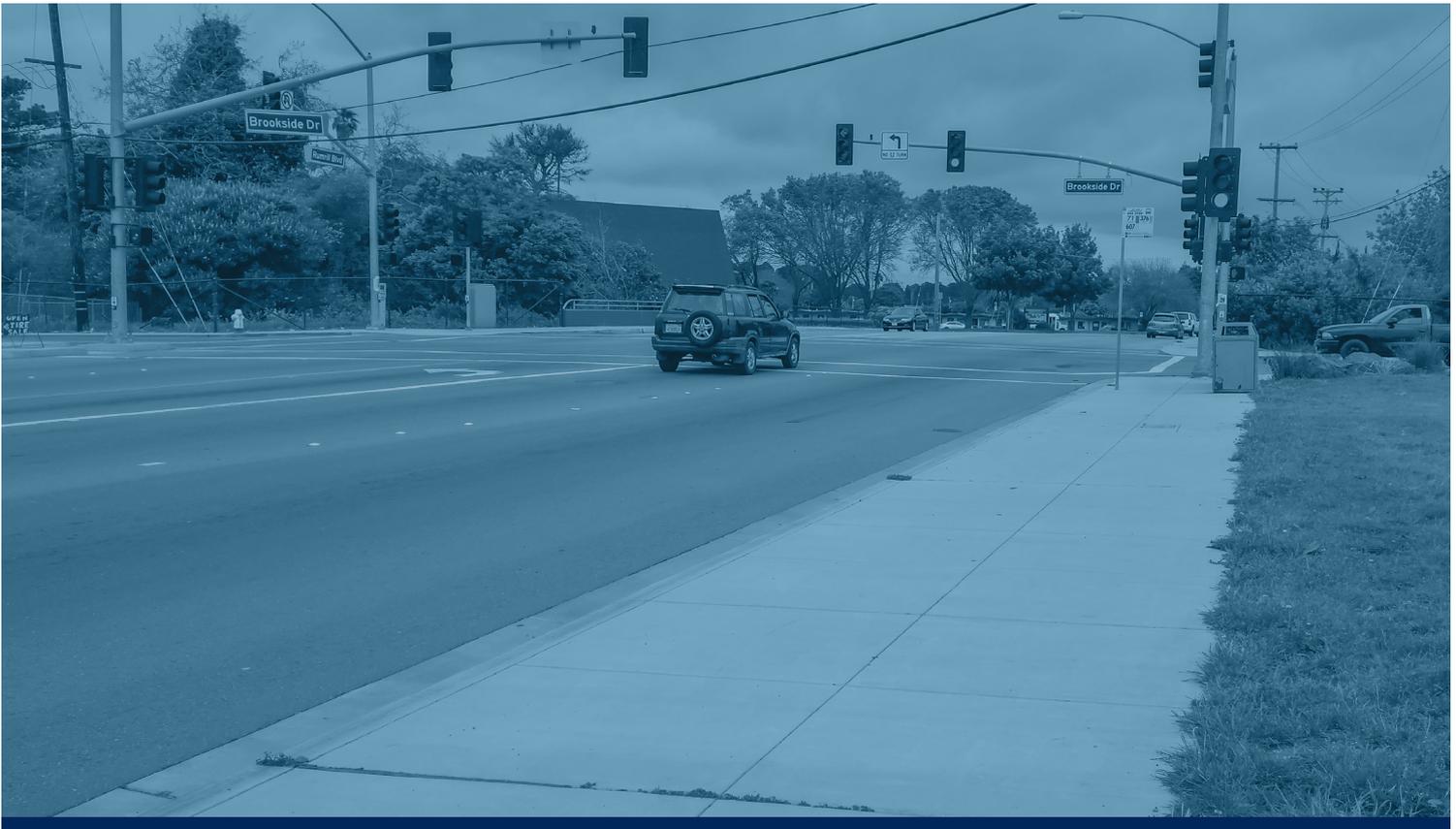
Construction Management Services for Niles Boulevard Bridge Replacement Project, City of Fremont, California. *City of Fremont.* Senior Biologist. The Niles Boulevard Bridge Replacement Project is located in the City of Fremont over Bay Area Rapid Transit and Union Pacific Railroad tracks; construction began in the summer of 2014. Ms. Etchell was responsible for ornithological services once construction began at the project site. Ms. Etchell performed environmental surveying and mitigation monitoring for nesting birds protected under the Federal Migratory Bird Treaty Act (MBTA) and the Federal Endangered Species Act (FESA).

Biological Support for Construction Management Services for the Regional I-680 Express Lane Network Project: Phase 1, Alameda County, California. *Metropolitan Transportation Commission.* Senior Biologist. Ms. Etchell oversaw preconstruction special-status plant surveys within the project site for San Joaquin spearscale, big tarplant, and Congdon's tarplant, and oversaw mitigation monitoring for nesting birds and burrowing owls protected under the MBTA and FESA. Etchell also performed a site assessment for California red-legged frog and California tiger salamander. She is responsible for performing worker environmental awareness training to educate construction workers about the presence of special-status plant and wildlife species.

Columbia Solar Energy Project, City of Pittsburgh, California. *McCarthy Building Companies.* Senior Biologist. Ms. Etchell developed a revegetation plan (RP) and Mitigation and Monitoring Plan and will be providing five years of vegetation and wetland hydrology monitoring. She is responsible for the preparation of an RP with freshwater marsh plant species; preparation of a plan for 5-year monitoring of replanted wetland vegetation that will include project information, impacts, proposed mitigation, proposed post-construction monitoring, and mitigation success criteria; and performing 5-year monitoring to track and guide the success of the marsh revegetation effort and to monitor hydrology.

03

PROJECT APPROACH AND SCHEDULE OF WORK



03 | PROJECT APPROACH AND SCHEDULE OF WORK

Michael Baker's project manager Darcy Kremin will be the point of contact for the City and will oversee and monitor all aspects of the work including the budget, schedule, and scope of work. The leads for the various categories of work, as shown on our organizational chart, will be the technical leads for their specific tasks. Our project director will provide guidance to our project manager as needed and will help ensure that the proper type and amount of staff resources are made available for each project.

Our project manager will communicate status to the City via regular check-in meetings at a frequency agreed upon between the City and Michael Baker, depending on the amount of the work occurring at any given time.

Michael Baker staff will regularly coordinate and communicate with City staff via telephone, memos, and/or email. Management and administration include activities such as project accounting and oversight, ongoing coordination and scheduling of meetings, preparation of meeting notes, and related activities.

Because of our proximity and the depth of local staffing resources, we are equipped to support the City to make the project a success. We excel at moving swiftly and with great effectiveness. Therefore, if a last-minute meeting arises, we can be there quickly to find solutions and move the project forward.

Approach to Environmental Services

CEQA and NEPA Process Goals

Michael Baker sees CEQA and NEPA as part of the process for successful project completion and not as hurdles that must be overcome. We will bring this approach to the table through our interactions with the City, stakeholders, and the surrounding community. Through the process we strive to clearly explain the who, what, when, and where of the environmental review to make it accessible, and not frustrating, to the general public.

Our team believes in building on existing knowledge to create better environmental documents. We see the environmental review as another opportunity to develop the public's understanding of CEQA and NEPA, improve the project, and ultimately protect the environment in the process. We understand the importance of clearly explaining the process, limitations, and possibilities to the community.

Overall Work Approach

Communication

The Michael Baker team will provide regular updates to City staff so that there is seldom a question of where the project is in "the process." Regular meetings, conference calls, and update memoranda ensure that the project team is moving forward and that issues get resolved quickly. We usually schedule regular conference calls, email agendas, and assign follow-up tasks based on information exchanged during the calls. The status of the project schedule and budget is reviewed on every call, and memorandum summaries of the calls are emailed to all participants. On a recent project in the Bay

*Michael Baker believes in **helping our clients** get through the CEQA and NEPA process—not in expanding our scope and budget. Our team also believe in providing **succinct documents** that are easy to read and help decision-makers do just that—make decisions.*

CEQA/NEPA Process Goals:

- Accessible
- Concise
- Not a hurdle but an opportunity
- Fortify role in the community

Our team uses use online conference capabilities through WebEx to share our screens when needed, so we can all be "in the same room".

Area, this method of coordination and communication helped the city to certify an EIR and gain approval for a major distribution center in a nine-month time frame.

Our Thoughts

We approach every project with two key thoughts. First, we are not paid by the word. Adding words and technical reports that truly do, but do not precisely, address the issue will not help if the project is challenged. Excessive text increases the likelihood of inconsistencies, and making a mosaic of reports adds to confusion for the reviewer and becomes a nightmare when preparing the administrative record. Certainly, the environmental document needs to be technically accurate and of sufficient length to address relevant issues, but above all, it must be clear and concise. There is always value in reviewing existing documents, but if they do not pertain to the project, the issue, or the impact, they should be left out of the final product. A lengthy list of references is not a surrogate for a properly prepared technical study that actually addresses the issue.

Second, we remind ourselves that the environmental document and associated technical studies are not the project. The environmental documentation is only one piece of information presented before taking action on the project. The environmental documentation must accurately reflect the project and provide a clear recommendation for the decision-making body. Conditions of approval, design aspects of the project, and other information will affect discussion of the project, but if the information does not address an environmental issue, it must be left out of the environmental document.



This sounds simple, but many people will want the environmental document to make the decision for them, include information that is not relevant, or have the environmental document support the project. They may be indignant if the document does not support their decision or include their mitigation ideas. The environmental document should remain an objective informational document that analyzes and solves environmental impacts anticipated for the project.

The Michael Baker team maintains our own accounting department, with an accounting staff person assigned to each project. Weekly budget reports are provided to the project management team to provide up-to-date status of staff hours and budget status. Our software allows the manager to determine the budget and work effort on a weekly or even daily basis if necessary. As part of our coordination efforts, we will review the budget and discuss any scope changes or new information that emerges as the project develops.

Quality Control

To ensure document quality, our team conduct the following steps:

1. Senior technical staff reviews all technical reports and analyses by topic (e.g., biological resources director and senior traffic engineer) for technical accuracy and completeness.
2. After technical sections are approved by senior staff, they are reviewed by the project management team for accuracy in addressing the project specifics, meeting client expectations, and compliance with the scope of work.
3. Following project management review, technical sections are reviewed by our senior environmental quality control staff, who review for adequacy associated with current case law and as a set of “clean eyes” since this staff is not directly working on the project.
4. Final review is completed by our technical editor, who checks for consistency in use of terms, facts, references, grammar, spelling, and document format.

Michael Baker will provide electronic copies of all technical reports relied upon for the analysis. All web-ready documents will be compliant with the Americans with Disabilities Act.

Because the Michael Baker team is known for being an extension of staff and for facilitating group meetings, we will ensure a collaborative but independent analysis. It is imperative that the technical studies evaluate the whole of the project (on- and off-site impacts) as well as all project features. It is also essential that the resulting report describe the impacts of the project included in the environmental document. We ensure references are actually needed and accessible should the document be challenged. We also ensure any mitigation measures are both reasonable and within the capabilities of the agency to implement.

Staying on Track

From our experience working in similar communities, we identified two potential challenges that the City may encounter during project approval: a challenging work environment and a sudden change of course in the CEQA/NEPA compliance process. We believe that our team of seasoned professionals will be able to steer any projects back on course through thoughtful interactions and transparency with both the City and the community.

Michael Baker believes in the writing and use of succinct, clear documents to alleviate confusion, enhance understanding, and foster timely project completion.

Ability to Meet Schedules

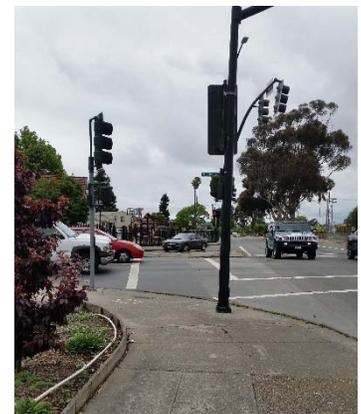
As described above, we believe in succinct and well-written documents that minimize rounds of comments and delays. Our team understands that delays can happen and we adjust to accommodate them. For example, we are working on a project where the CEQA strategy changed midway through our task for the Oakland Unified School District. Our initial scope of work was for a Categorical Exemption to complete CEQA clearance for redevelopment of a district high school. Nonetheless, we had to switch gears and prepare a focused EIR due to potential project impacts on historical resources. The school district project demonstrates our ability to change course as needed and to restart a project in an expedited manner even after long delays.

Scope of Work

Task 1. Traffic Operations

Michael Baker will use information contained in the Rumrill Boulevard/13th Street Complete Streets Study to summarize the operational impacts of the Preferred Concept Plan. The operational analysis study will evaluate the operational characteristics of the various travel modes including vehicular, pedestrian, bicycle, and transit. While the previous study concentrated on existing conditions along the corridor both without and with the project, this study will evaluate, in a more qualitative manner, the likely change in operational characteristics over the long term with conditions approaching buildout of the city. The scope of this work does not include any new data collection or detailed traffic forecast. A technical memorandum will be prepared that documents the operational impacts of the project.

Our team will meet with the City to discuss the anticipated construction phasing plan for the project and the general measures that will be taken to construct the project improvements. The project construction plan will ultimately identify work zone locations for each construction phase and will include measures for maintaining traffic circulation during construction. The construction activities will likely result in temporary travel lane closures and may include periodic full street closures. A second type of construction impact will be related to the construction vehicles used to complete the work, such as construction worker vehicles and trucks involved in hauling dirt, water, and other construction materials. We will use information provided by the City to document the expected construction impacts on traffic operations and property access.



Michael Baker will review the bicycle facilities proposed in the Preferred Concept Plan and compare them to the bicycle facilities and bike routes identified in the San Pablo Bicycle and Pedestrian Plan. We understand that the City is currently updating this plan, so we will review the consistency of the Preferred Concept Plan with the new proposed Bike Plan and Bicycle Network. A technical memorandum will be prepared that documents the findings of the consistency assessment.

Task 2. Air Quality Conformity

Michael Baker will prepare an air quality technical memorandum based on the traffic analysis (see Task 1). We will describe regional air quality and local air quality, based on existing data and information provided by the City. We will also describe meteorological conditions in the project vicinity that could affect air pollutant dispersion or transport. However, field monitoring of meteorology and pollutant emissions is not anticipated to be required and has not been included in this scope.

Primary pollutants of concern in the San Francisco Bay Area Air Basin, which encompasses the project site, include ozone, particulate matter (PM), and toxic air contaminants. Our scope will focus on all pollutants, but we will pay particular attention to PM_{2.5}. The project may contribute to air pollutant emissions from construction activities. The air quality analysis will be based on methodologies and thresholds of significance recommended by the Bay Area Air Quality Management District (BAAQMD), including those documented in BAAQMD's CEQA Air Quality Guidelines.

Our analysis will identify the BAAQMD's thresholds for both construction source emissions (including all grading, demolition, and construction activities) and emissions associated with long-term operation as compared to existing emissions from current uses. We will quantify air quality pollutant emissions and compare them to the BAAQMD's recommended significance thresholds using the CalEEMod computer program and to publish emissions factors obtained from the US Environmental Protection Agency and the California Air Resources Board. Construction-related and operational impacts on air quality will be significant and subject to mitigation if the project results in emissions that exceed the BAAQMD's recommended significance thresholds.

Our team will discuss the project's contribution to regional air quality impacts, in accordance with BAAQMD procedures for determining consistency with the BAAQMD's Clean Air Plan, the applicable air quality management plan for the San Francisco Bay Area Air Basin. We will also identify applicable air pollution control measures contained in the Clean Air Plan.

This scope does not include a health risk assessment because of the small scale of the project. We also anticipate localized concentrations of odorous emissions to be minor and will qualitatively discuss them.

Michael Baker will assess the project's cumulative contribution to local and regional air quality impacts in accordance with the BAAQMD's recommended methodologies based, in part, on the project-specific impact analyses and consistency with air quality attainment and maintenance efforts that will reference the analysis and conclusions of applicable regional and local plans. Any additional impacts beyond what was anticipated under the applicable regional and local plans will be identified and additional mitigation measures developed. This information will be used to complete the CEQA analysis (see Task 12 below).

Task 3. Hazardous Waste

In accordance with ASTM E1527-13, WRECO will prepare a Phase I Environmental Site Assessment (Phase I ESA) and, if necessary, a Technical Memorandum or Phase II Investigation (Phase II) for the project. The Phase I ESA will provide the basis for determining the need for further investigation into the potential hazardous material impacts at the site and support for CEQA and NEPA findings and to help the City fulfill its NPDES permit C.3.j.ii requirement of early implementation of green infrastructure projects.

The purpose of an ESA is to evaluate the subject properties for the presence of Recognized Environmental Conditions (RECs) and/or Activity and Use Limitations, which are listed in the ASTM International, E-1527-13. Exceptions in the Phase I standard include: 1) no title searches or property appraisals will be performed for the subject property and vicinity, and 2) no direct interviews of the owners of the subject parcels except for City staff will be performed.

WRECO will conduct a field reconnaissance to assess the existing conditions in the vicinity of the project site. During the site visit, WRECO will identify any readily observable indications of RECs within the project limits. Items to look for will be stained ground (both paved and unpaved), unlabeled drummed materials, wastes and garbage piles in direct contact with the ground, transformers, painted metal, treated lumber such as utility poles, monitoring wells, and other indications of potential RECs. The visual observations will be compared to the historic data and EDR database findings for multiple confirmation data points to make a determination of the potential presence of RECs.

WRECO will perform a regulatory records search and GIS screening of the project corridor using the following sources to develop project segments of similar risk to the proposed project activities:

- Environmental Data Resources 1-Mile Radius Report Search
- Department of Toxic Substances Control (DTSC) EnviroStor database
- State Water Resources Control Board Geotracker database

Additional GIS screening will be performed for the following risks:

- Aerially deposited lead
- Naturally occurring asbestos (NOA)
- Asbestos containing materials
- Lead-based paint
- Drycleaners
- Polychlorinated biphenyls-containing transformers
- Treated wood
- Roadway striping
- Asphalt grindings

Particular focus during the records search will be placed on screening the following eight current or former regulated cleanup sites (Table 1), and determining whether these sites pose a continuing risk for the proposed activities along the project corridor.

TABLE 1. STATE REGULATED CLEANUP SITES

<i>Site Name</i>	<i>Location</i>	<i>Potential Concerns</i>
Five Star Cleaners	2145 Rumrill Blvd. San Pablo, CA 94806	Open RWQCB Remediation Pollutants of Concerns Include: Perchloroethylene (PCE) Trichloroethylene (TCE), Vinyl Chloride
Craig Property	2600 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Diesel, Gasoline, Waste Oil
Former BNSF Property	Rumrill Blvd. at Chelsey Avenue San Pablo, CA 94806	Closed DTSC Voluntary Cleanup Site with land use restrictions. Pollutants of Concerns Include: Lead Polychlorinated Biphenyls (PCBs) Polynuclear Aromatic Hydrocarbons (PAHs) TPG-Motor Oil, Dieldrin
Lee Property	1801 Rumrill Road San Pablo, CA 94553	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Diesel and Gasoline
Chevron	1820 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Gasoline
Jackpot	1405 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Gasoline
CertainTeed	1014 Chesley Avenue Richmond, CA 94804	Open RWQCB Monitoring Site; Closed EPA Cleanup Site Pollutants of Concerns Include: PCBs

<i>Site Name</i>	<i>Location</i>	<i>Potential Concerns</i>
		The City has detected PCBs in soil (at levels between 1,000-5,000 µg/kg) at storm sewer inlets within the public right of way in the Rumrill neighborhood adjacent to 1411 Rumrill Boulevard.
Campbell Property	1070-1078 13th Street Richmond, CA	Closed RWQCB Cleanup Site <i>Pollutants of Concerns Include:</i> Diesel, Gasoline, Stoddard Solvent

WRECO will develop the project segments and assign risks to each segment taking into consideration both the findings in Section A and B, and the soil or groundwater disturbance proposed by the project. The project is anticipated to have limited contact with groundwater thereabout the project corridor.

WRECO will perform site reconnaissance survey for obvious indicators of hazardous wastes or hazardous conditions, and potential current and historic polluting land uses. The surveys will focus on confirming segment risk designations made by GIS screening.

WRECO will prepare a Phase I ESA Report or a Phase I ESA Memorandum recommending consolidating the Phase I or Phase II studies into one study. The stand-alone Phase I ESA Report will include the following:

- Results of the literature review, visual site reconnaissance, and findings.
- Summary of project segment screening results, including criteria used to classify segments.
- Recommendations for further study, if required.

Task 4. Water Quality

Michael Baker will develop a technical memo on construction best management practices (BMPs) based on the proposed improvements within the project study area. We will determine the potential impacts to water quality based on construction techniques and develop a preliminary list and plan view of potential construction BMPs. The technical memo will include fact sheets for each potential BMP as developed by Caltrans.

WRECO will perform QA/QC and a technical review of the memo prior to the project team's submittal to the City and Caltrans review and comment.

Task 5. Floodplain

Location Hydraulic Study

Michael Baker engineering staff will prepare a location hydraulic study and summary floodplain encroachment report for the proposed improvements. The project encroaches on a one (1) percent annual chance floodplain caused by channel and overbank flows from San Pablo and Wildcat Creeks along Rumrill Boulevard from approximately Dover Avenue to the south to Rumrill Road to the north. We will obtain the effective hydraulic model for San Pablo and Wildcat Creeks, revise the model to represent project improvements, and determine the impacts to the floodplain from the proposed alternatives.

Michael Baker will perform a site reconnaissance of the project site to assist in the development of the hydraulic model by determining flow patterns and determining parameters such as Manning's 'n'.

Hydrologic Analysis

Michael Baker will determine the peak 50-year and 100-year flows for the project site using at least two sources of data. We will develop an existing and proposed condition hydraulic model of San Pablo and Wildcat Creeks within the project site. It is assumed an existing conditions model will be available from the City or FEMA. The proposed conditions model will be developed from proposed improvements within the project study area. From the hydraulic analysis, we will determine the impacts of the proposed project on the existing floodplain.

Location Hydraulic Study

Our team will prepare the location hydraulic study, including a summary floodplain encroachment report. The study will document the results of hydraulic modeling and determine the impacts to the floodplain from the proposed project. The location hydraulic study will include:

- National Flood Insurance Program (NFIP) maps of the study area
- Evaluation and discussion of the practicability of alternatives to any longitudinal encroachments
- Discussion of the following items, commensurate with the significance of the risk or environmental impact, for all alternatives containing encroachments and for those actions which would support base floodplain development:
 - The risks associated with implementation of the action.
 - The impacts on natural and beneficial floodplain values.
 - The support of probable incompatible floodplain development.
 - The measures to minimize floodplain impacts associated with the action.
 - The measures to restore and preserve the natural and beneficial floodplain values impacted by the action.
 - Evaluation and discussion of the practicability of alternatives to any significant encroachments or any support of incompatible floodplain development.

WRECO will provide QA/QC for the floodplain evaluation report, including the technical information from the location hydraulic study and floodplain evaluation report summary form to document the investigation and determine the specific impacts to the floodplain. WRECO will provide comments to the project team in a technical memorandum.

Task 6. Biology

WRECO will conduct a field reconnaissance to assess the existing conditions in the project vicinity. WRECO will perform research and compile online database lists of special-status species from the following sources:

- US Fish and Wildlife Service (USFWS), National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB), and California Native Plant Society (CNPS).
- Existing peer-reviewed literature, environmental documents, etc.

WRECO will then conduct a reconnaissance-level site visit to determine what biological resources and special-status species habitat may be present. WRECO will prepare a biological resources technical memorandum evaluating all observed biological resources and make recommendations regarding any resource agency permits that may be necessary. The technical memorandum will be in the Caltrans Natural Environment Study–Minimal Impacts (NES-MI) format and will include levels sufficient to satisfy NEPA and CEQA.

Task 7. Section 4(f)

Because the project will require improvements in Rumrill Sports Park, we will use a Section 4(f) programmatic evaluation to receive a concurrence letter from FHWA. We believe the project fits within the programmatic evaluation for an independent bikeway or walkway project, and therefore will not need an individual evaluation. We will provide a draft programmatic evaluation for the City's review and approval, and help the City through the process to receive a concurrence letter from FHWA.

Task 8. Visual

Michael Baker will examine the visual changes from tree removal along the corridor, and create a visual simulation of the project after landscaping has matured (within 10 years of project completion date). We will summarize the changes in a memorandum for the City's review and approval.

Task 9. Community

Using the preferred concept plan, Michael Baker will catalogue existing on-street parking and analyze how parking will be impacted after construction is complete. We will prepare a technical memorandum to describe the loss of on-street parking spaces in tabular form for the City's review. Once the memorandum is finalized, we will organize and facilitate one community meeting to discuss these findings. Since the businesses are most likely to be concerned about the loss of on-street parking, we recommend the meeting be held in a local business or the Chamber of Commerce building. We will work with City staff to determine the most appropriate time and location for the meeting and will prepare flyers in English and Spanish for distribution in hard copy and uploading to the City's website and other social media platforms. Once the City approves the flyer, Michael Baker will provide 100 copies of the community flyer in English, and 100 copies in Spanish for distribution.



Task 10. Equipment Staging

Michael Baker will prepare a technical memorandum based on our assessment of opportunity sites for staging equipment during construction. We will estimate the equipment needed and the amount of materials during construction, and recommend how much and how many equipment staging areas will be needed.

Task 11. Cultural Resources

Caltrans has indicated in the Preliminary Environmental Study (PES) and in the September 20, 2016, Section 106 Memo for the project that a Historic Property Survey Report (HPSR), Archaeological Survey Report (ASR), and Area of Potential Effects (APE) are required. In addition, because an archaeological district, which is a historic property, is within the APE, additional studies will be required. These additional studies, per the City's RFP addendum No. 1, include an Extended Phase 1 Proposal and Report (XPIP/R). Our scope includes the completion of the HPSR, ASR, APE, XPIP/R and Assembly Bill (AB) 52 consultation (see Task 12). Archaeological resources will be identified on the APE map and in the ASR and XPIP/R; the HPSR is the document that summarizes cultural resources technical studies. All of these documents will be submitted concurrently to increase efficiency.

Michael Baker will conduct cultural resources studies needed for the City and Caltrans to address requirements of Section 106 of the National Historic Preservation Act (NHPA), NEPA, CEQA, and the *Caltrans 2014 First Amended Programmatic Agreement Among The Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance With Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California*.

Portions of a historic property that is a National Register-nominated prehistoric archaeological district and associated National Register-eligible prehistoric archaeological site are within the APE. Archaeological excavation will be completed to determine if the project will affect the historic property. We are proposing hand excavation of auguring and shovel test pits within the boundary and adjacent to the historic property to a depth that is consistent with the depth of the project. If the historic property is within the APE, additional documentation may be required.

Michael Baker will conduct a records search at the Northwest Information Center. The records search will identify previously recorded or otherwise known cultural resources and previous cultural resources studies within or adjacent to the study area. We will complete a review of cultural resource inventories to identify cultural resources that may be listed within or adjacent to the study area. If available, appropriate City listings will be reviewed. We will perform background research and a literature review, consisting of a review of archaeological, ethnographic, historical, and environmental publications and maps at historical archives. The background research will identify previously recorded or otherwise known cultural resources.

Michael Baker will assist Caltrans with meeting Native American consultation requirements pursuant to Section 106 of the NHPA. We will contact the Native American Heritage Commission in Sacramento for a review of the sacred lands file to determine if the study area contains any known sacred lands, and a list of Native American contacts who may have concerns about the project in the study area. On behalf of Caltrans, we will send invitations to begin Section 106 consultation letters to Native American contacts and follow-up calls will be made. If meetings or additional consultations are required, a budget augment will be prepared. Caltrans District 4 support sending combined AB 52/Section 106 letters, which increases efficiency for this task.

Our team will contact the San Pablo Historical Society for any information or concerns it may have about the project in the study area. We will complete an archaeological survey and excavation of the study area including three days of hand excavation within and adjacent to the historic property within the APE. We will consult with Caltrans Professionally Qualified Staff to determine if additional studies will be required.

We assume notice to proceed on all tasks simultaneously; the City will gain right of entry on parcels requiring archaeological excavation; Native American monitor(s) will not be monetarily compensated; one in-person meeting with one tribe; no built environment resources requiring evaluation; and no more than 20 hours required for response to Caltrans and City comments.

Task 12. CEQA Document

We will prepare a draft Initial Study using the current Environmental Checklist Form in Appendix G of the CEQA Guidelines and the findings of technical studies in Tasks 1-6 and 8. The Initial Study will consist of a project description, CEQA environmental checklist, discussion of environmental issues, and references and will be formatted consistent with the City's preferred format.

The Initial Study will include a brief discussion of each issue item in the Environmental Checklist, with a more thorough analysis given to those items that could result in potentially significant impacts. We will also identify current City standards and specific mitigation measures that are required to reduce adverse impacts to less than significant levels. The analyses from the General Plan Update EIR and the San Pablo Specific Plan EIR will be used to tier and streamline the analysis of this project. The draft Initial Study will be prepared and provided to the City for review and discussion intended to determine the appropriate environmental document (anticipated to be an MND).

While all of the environmental issue areas below will be addressed, agricultural and forestry resources, land use and planning, mineral resources, population/housing, public services, and utilities/service systems will be identified as "no impact" given the specific nature of the project.

- Aesthetics
- Agricultural and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology/Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population/Housing
- Public Services
- Recreation
- Utilities/Service Systems
- Traffic and Circulation
- Tribal Cultural Resources

Five hard copies and an electronic version in Word and PDF of the draft Initial Study will be provided to the City for review and comment.

Michael Baker will meet with City staff to go over the results of the draft Initial Study and answer any questions regarding the analysis conclusions as well as identify any changes to the Initial Study.

The draft Mitigated Negative Declaration will be based on the draft Initial Study (IS/MND) and will incorporate all City edits and comments. A screencheck draft of the IS/MND will be prepared for final review by the City prior to release. Upon final approval, Michael Baker will generate 20 hard copies and electronic copies (five CDs) of the IS/MND for City distribution. This task will also include preparation of the Notice of Intent. We will submit the NOI to the State Clearinghouse on behalf of the City with the Notice of Completion.

At the end of the public comment period for the IS/MND, we will provide the City with a technical memorandum responding to any written comments received on the document. Michael Baker staff will also attend up to two public meetings on the project and will assist in the preparation of CEQA findings for the MND.

Michael Baker will prepare the Notice of Determination for the City as well as the Mitigation Monitoring Program for adoption should mitigation measures be identified.

In addition, Michael Baker will assist the City with meeting Native American consultation requirements pursuant to AB 52. In coordination with the City, prepare and send initial consultation letters, on behalf of the City, to tribes that have requested notification (assuming fewer than five tribes) and complete consultation log. This scope does not include meetings or additional consultation.

Task 13. NEPA Document

We will prepare an administrative draft EA for City review and comment. An electronic copy will be provided in Microsoft Word. The content of the EA will be consistent with Caltrans guidelines and will include the conclusions from technical studies (Tasks 1-11). The EA analysis will include all required determinations and compliance documentation as required by applicable federal statutes, executive orders, regulations, and other factors while also being written in such a way as to be easily understandable by both the public and decision-makers.

Key components of the EA document will include:

- Discussions of the need for the proposal; alternatives to the project, including environmental impacts of the proposed action and alternatives; a summary of findings and conclusions; and a listing of agencies and persons consulted.
- A complete description of the proposal and existing conditions of the project area and its surroundings, and trends likely to continue in the absence of the project.
- Completion of Statutory Checklist with source/compliance documentation.
- Completion of Caltrans Environmental Standards Checklist with source/compliance documentation.
- Completion of Environmental Assessment Checklist with source/compliance documentation.
- Identification of mitigation measures necessary to eliminate or minimize adverse environmental impacts.
- In addition to the EA, we will provide a complete Environmental Review Record per 24 CFR 58.38. The Environmental Review Record will be in digital CD format. Michael Baker will also provide drafts of all required notices and public meeting presentation materials associated with the EA.

The EA will include the Section 4(f) programmatic evaluation (Task 7) as an appendix per Caltrans guidelines. Five hard copies and an electronic version in Word and PDF of the Draft EA will be provided to the City for review and comment.

A screencheck draft of the administrative draft EA will be prepared for the City's internal review. Michael Baker will respond to one consolidated set of comments received from City staff. Following a final review check by the City, we will prepare the final deliverables and public drafts for Caltrans review and approval.

Michael Baker will respond to comments from Caltrans and prepare a revised EA. The revised EA will be provided electronically to the City for review. Following a review by the City, we will prepare the final revised EA.

Innovations

Given our extensive history working with the City of San Pablo, we are able to provide innovations throughout the scope of work to streamline the process and help the City achieve Caltrans’s mandatory timeline for successful completion of the environmental phase of the project.

To conserve costs, WRECO will consolidate the Phase I investigation with any recommended Technical Memorandum (TM) or Phase II investigations, combining the studies into one report, Phase I/TM or Phase II. During the Phase I investigation, if WRECO determines that a TM or Phase II will be required, WRECO will inform the City and request permission to combine the two studies and report the results as one joint investigation to conserve resources. WRECO has employed this approach for many clients and the associated cost savings have been already been factored into WRECO’s cost proposal.

Another cost-savings approach WRECO has employed at extended roadway development or improvement projects is to use GIS-mapping techniques to assign a risk classification to each segment or phase of the project. Using GIS software and methodologies honed on large-scale Phase I screening projects, WRECO will first develop project segments delineated along boundaries enclosing areas of similar hazardous materials risk. Figure 1 below illustrates the preliminary project segmenting by risk based on WRECO’s preliminary hazardous materials screening of the project corridor.

The segment-risks approach will inform the City as to whether additional investigation is warranted and determine the waste management and worker safety precautions required for each segment of the project. This will reduce the overall cost of further hazardous materials screening, narrow the scope of any subsequent investigations that may be required, and lower the cost of ultimate construction waste management and worker safety measures.

Our cultural resources group specializes in Caltrans Local Assistance projects. We have a holistic understanding of the agency review and approval process that will facilitate the aggressive schedule on this project. We have consulted with Caltrans regarding this project and the results of that consultation have influenced the scope of work. Borrowing from our strong relationships with Caltrans PQS, we are hopeful to further accelerate the schedule with short agency review times and timely approval.

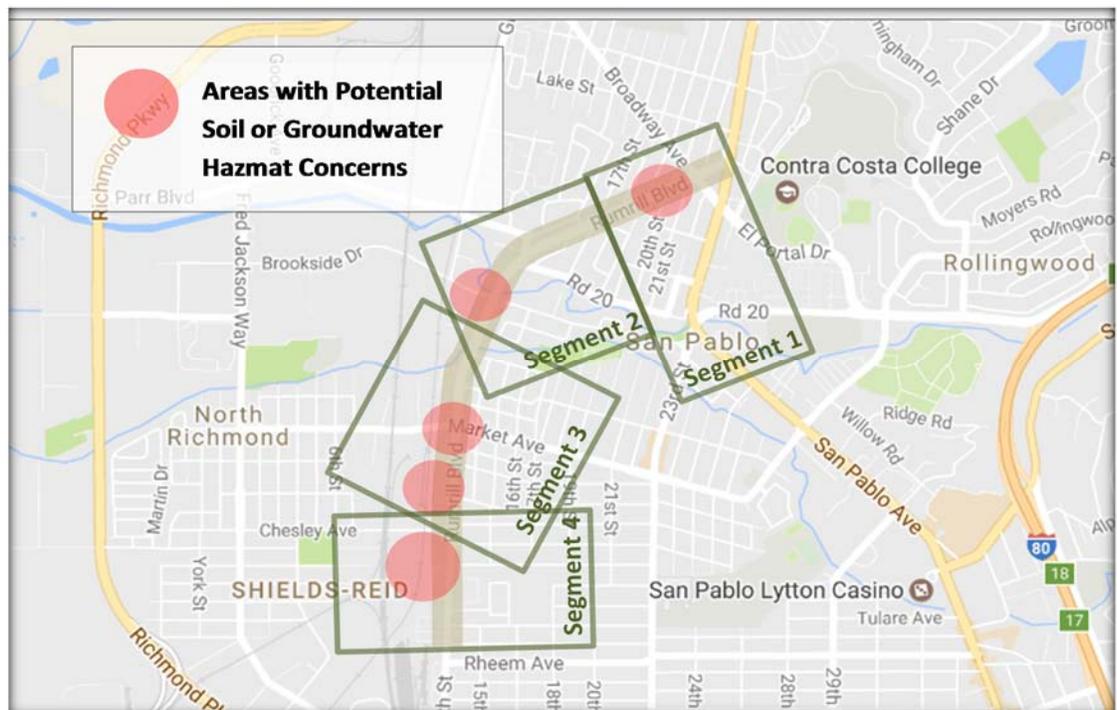


FIGURE 1. EXAMPLE PROJECT SEGMENTING

Schedule

Michael Baker has drafted a schedule that uses our innovative approach outlined above to satisfy the Caltrans and other grant funding timeline requirements. This schedule assumes a notice to proceed date after City Council has approved the contract. We believe we can achieve the environmental review for funding requirements.

<i>Task</i>	<i>Deliverable</i>	<i>Duration</i>	<i>Start Date</i>	<i>End Date</i>
0	<i>Notice to Proceed</i>	<i>1 day</i>	<i>June 20, 2017</i>	<i>June 20, 2017</i>
1	Traffic Operations	10 weeks	June 20, 2017	August 29, 2017
	Draft traffic memo	6 weeks	June 20, 2017	August 1, 2017
	City review	2 weeks	August 2, 2017	August 15, 2017
	Finalize traffic memo	2 weeks	August 16, 2017	August 29, 2017
2	Air Quality Conformity	7 weeks	August 30, 2017	October 18, 2017
	Draft air quality memo	3 weeks	August 30, 2017	September 20, 2017
	City review	2 weeks	September 21, 2017	October 4, 2017
	Finalize air quality memo	2 weeks	October 5, 2017	October 18, 2017
3	Hazardous Waste	9 weeks	June 20, 2017	August 22, 2017
	Draft Phase I ESA	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize Phase I ESA	2 weeks	August 9, 2017	August 22, 2017
4	Water Quality	7 weeks	June 20, 2017	August 22, 2017
	Draft water quality memo	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize water quality memo	2 weeks	August 9, 2017	August 22, 2017
5	Floodplain	7 weeks	June 20, 2017	August 22, 2017
	Draft floodplain memo	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize floodplain memo	2 weeks	August 9, 2017	August 22, 2017
6	Biology	11 weeks	June 20, 2017	September 5, 2017
	Draft biology memo	7 weeks	June 20, 2017	August 8, 2017

<i>Task</i>	<i>Deliverable</i>	<i>Duration</i>	<i>Start Date</i>	<i>End Date</i>
	City review	2 weeks	August 9, 2017	August 22, 2017
	Finalize biology memo	2 weeks	August 23, 2017	September 5, 2017
7	Section 4(f)	10 weeks	June 20, 2017	August 29, 2017
	Draft programmatic 4(f) evaluation	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize programmatic 4(f) evaluation	2 weeks	August 9, 2017	August 22, 2017
	Send to FHWA for concurrence	1 week	August 23, 2017	August 29, 2017
8	Visual	7 weeks	June 20, 2017	August 8, 2017
	Draft visual assessment	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize visual assessment	2 weeks	July 26, 2017	August 8, 2017
9	Community	11 weeks	June 20, 2017	September 5, 2017
	Draft parking assessment	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize parking assessment	2 weeks	July 26, 2017	August 8, 2017
	Draft outreach flyer	1 week	August 9, 2017	August 15, 2017
	City review	1 week	August 16, 2017	August 22, 2017
	Finalize and send outreach flyer	2 weeks	August 23, 2017	September 5, 2017
	Conduct public outreach meeting	1 day	September 27, 2017	September 27, 2017
10	Equipment Staging	7 weeks	June 20, 2017	August 8, 2017
	Draft equipment staging memo	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize equipment staging memo	2 weeks	July 26, 2017	August 8, 2017
11	Cultural Resources	14 weeks	June 20, 2017	September 26, 2017
	Draft cultural resources assessment	10 weeks	June 20, 2017	August 29, 2017
	City review	2 weeks	August 30, 2017	September 12, 2017

Task	Deliverable	Duration	Start Date	End Date
	Finalize cultural resources assessment	2 weeks	September 13, 2017	September 26, 2017
12	CEQA Document	15 weeks	September 28, 2017	January 15, 2018
	Draft IS/MND	3 weeks	September 28, 2017	October 19, 2017
	City review	2 weeks	October 20, 2017	November 2, 2017
	Publish IS/MND and NOI	2 weeks	November 3, 2017	November 16, 2017
	Public review period	30 days*	November 17, 2017	December 16, 2017
	Finalize IS/MND	3 weeks	December 18, 2017	January 8, 2018
	City Council adopts IS/MND	1 day**	January 15, 2018	January 15, 2018
13	NEPA Document	20 weeks	September 28, 2017	February 15, 2018
	Draft EA	3 weeks	September 28, 2017	October 19, 2017
	City review	2 weeks	October 20, 2017	November 2, 2017
	Finalize and send EA to Caltrans	2 weeks	November 3, 2017	November 16, 2017
	Caltrans reviews EA***	4 weeks	November 17, 2017	December 14, 2017
	Revise EA	3 weeks	December 15, 2017	January 4, 2018
	Caltrans reviews revised EA***	4 weeks	January 5, 2018	February 1, 2018
	Finalize EA	2 weeks	February 2, 2018	February 15, 2018

**IS/MND public review period is a minimum of 30 calendar days.*

***Per City Council calendar*

****Caltrans review time is estimated and cannot be guaranteed.*

04

SPECIAL REQUIREMENTS



04 | SPECIAL REQUIREMENTS

Extensive Experience

Michael Baker understands that the Public Works Department is in need of a full service environmental consulting firm with experience in CEQA, NEPA, and regulatory permitting. Moreover, because the department is using various grant funds toward the Rumrill Boulevard Complete Streets project, knowing its consultant team can successfully navigate the complexities of the Caltrans Local Assistance Program is of particular importance.

Michael Baker has played a significant role in the planning and development of the transportation network throughout California. Our team has been involved in the preparation of over 275 transportation CEQA/NEPA documents and related studies for Caltrans and other local, state, and federal agencies. In addition to our environmental services role, Michael Baker has prepared over 50 Caltrans Design Reports (project study reports, project reports, and combined study/reports), initial route alignments and feasibility studies, and preliminary geometric plans for over 350 miles of highway routes and over 150 freeway interchanges. Our team also has prepared final PS&E for over 200 projects totaling well over \$1 billion in improvements on state highways.

The resulting benefit is a consultant team that is fully versed in Caltrans Highway Design Standards and Project Development Procedures, along with the Caltrans Standard Environmental Reference (SER), which will ultimately result in comprehensive environmental technical assessments of transportation projects and efficient, expeditious project delivery.

Michael Baker's extensive environmental and transportation-related services have resulted in a comprehensive understanding of current Caltrans processing requirements. This includes our team's knowledge of the Caltrans SER, which helps state and local agency staff plan, prepare, submit, and evaluate environmental documents for transportation projects that must comply with Caltrans and FHWA requirements. Our team's knowledge of the SER, combined with our in-house expertise and national NEPA experience, will provide the City of San Pablo and Caltrans District 4 staff with the specialized team of environmental experts necessary to satisfy the grant requirements and achieve CEQA and NEPA compliance for the project.

Perhaps as important as our knowledge and understanding of the types of documents, analyses, and processes required that are unique to Local Assistance projects, is our attention to changing regulatory landscapes. By monitoring changes in legislation and case law developments, we are able to serve our clients with the highest level of strategic advice. We view our job as consultants as making sure you have all of the information to guide a strategic path to project success. At each key decision point in the course of a project, we will help you weigh the costs, benefits, risks, and rewards of a potential analysis, compliance, mitigation, or communications strategy.

For instance, environmental documents must consider project design features that address potential significant impacts and disclose whether they are effective in mitigating the impact. The impact analysis needs to also identify existing policies, ordinances, and programs that affect the project. Nearly every inch of a project is regulated by some state, federal, or local ordinance, and correct application of these existing regulations can avoid needless, and potentially conflicting, mitigation. Only after factoring in project design features and existing regulatory standards should an impact analysis consider the application of mitigation measures to address a significant impact. The Michael Baker team will take guidance from the recent *Lotus v. Department of Transportation* (Caltrans) decision in distinguishing between City-proposed environmental protections and required mitigation measures and make sure department staff has a clear understanding of the differences and potential ramifications.

Another example of our understanding of the work to be done is recognizing the importance of not just technical analyses and procedures, but the importance of the project description itself. This type of understanding can only come from experience—both positive and negative! A complete and internally consistent project description is the most critical aspect of any environmental

The Michael Baker team has been involved in the preparation of over 275 transportation CEQA/NEPA documents and related studies for Caltrans and other local, state, and federal agencies.

document. Any change, even a small one after the drafting of the document is under way, can result in countless hours making edits and potentially lead to the impact analysis not matching the “whole of the project.”

The Michael Baker team will have numerous questions for department staff about the project, such as how it will be constructed, the types of materials likely to be used, phasing, staging, and utilities connections, some of which you may not know or may change as the project is developed. Regardless, the environmental document needs to evaluate how the project will be implemented while recognizing that changes could occur over time. We refer to the process as developing a plan which is not necessarily the plan for the project.

Unique to Michael Baker’s team are (1) the combination of specialized in-house environmental and engineering service areas, (2) national perspective regarding the application of environmental regulations, and (3) the priority of our technical staff to remain “up-to-date” on current compliance requirements.

First, Michael Baker’s environmental experts are supported by technical design professionals who are immediately accessible within our Transportation Department (planning/engineering, traffic, structures, community outreach, etc.), Surface Water and Water Resources Departments (stormwater compliance, water quality, hydrology, etc.), and Planning Department (landscape architecture, land use planning, urban design, etc.). Michael Baker’s extensive transportation planning and design expertise provides our team a comprehensive perspective in preparing technically sound and legally defensible CEQA/NEPA documents and related studies, as well as the ability to effectively develop creative and context-sensitive solutions for a diverse range of transportation environmental challenges.

Second, Michael Baker’s experts have completed environmental projects involving CEQA (California) and NEPA for 40 state Departments of Transportation nationwide. This national experience facilitates our ability to help agencies, like Caltrans, meet their desired goal of preparing comprehensive environmental documents, which fulfill regulatory agency requirements and facilitate a streamlined environmental review and approval process.

Third, the active participation by our technical staff in organizations such as the Transportation Research Board and American Association of State Highway and Transportation Officials, among others, provides our environmental and transportation experts with the technical expertise to apply current standards in the development, analysis, and approval of transportation projects.

Michael Baker also offers an extensive 30-year history of environmental technical study and draft/final environmental document support for Caltrans. Our team has participated in numerous environmental, planning, engineering, survey, and construction management projects with municipal agencies and Caltrans for projects in Districts 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12. Through our completion of over 275 task orders on a variety of Caltrans District on-call contracts, as well as with the Caltrans Division of Environmental Analysis (water quality) and Engineering Services Center (structures), Michael Baker has continually demonstrated its ability to undertake tasks similar to those anticipated for this project, and is ideally staffed to work with the City of San Pablo and Caltrans.

Michael Baker’s Caltrans District Experience



Michael Baker has provided environmental, planning, engineering, survey, and construction management services directly to Caltrans on projects located in Districts 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12.

Disadvantage Business Enterprise (DBE) Requirements

Michael Baker has teamed with WRECO, a DBE firm (California Unified Certification Program DBE No. 30066), to provide hazardous materials and biological services, as well as quality control of the floodplain and water quality assessments. *WRECO will be providing 17% of services, far exceeding the established DBE goal of 1%.*

Subconsultant

WRECO



Established in 1995, WRECO provides communities throughout California with innovative solutions in the fields of civil engineering, environmental compliance, geotechnical engineering, and water resources. By offering a diverse line of services, including an in-house materials testing lab, WRECO is able to streamline project delivery to give the best value to their clients. WRECO is composed of exceptional professional civil engineers, hydraulic engineers, geotechnical engineers, hydrologists, biologists, geologists, environmental scientists, water quality specialists, Qualified Storm Water Pollution Prevention Plan (SWPPP) Developers and Practitioners, Qualified Industrial Stormwater Practitioners, and CASQA-qualified NPDES Construction General Permit Trainers of Record.

WRECO has been involved in more than 1,000 transportation infrastructure and water resources projects and more than 400 hydrologic and hydraulic studies on bridge/culvert crossings in California. Some of its clients include Contra Costa County, the City of San Pablo, Caltrans District 4, and the US Army Corps of Engineers.

Insurance

Michael Baker has signed many past agreements with the City of San Pablo, including agreements for environmental services and can comply with the City's insurance types and limits required.

Conflict of Interest

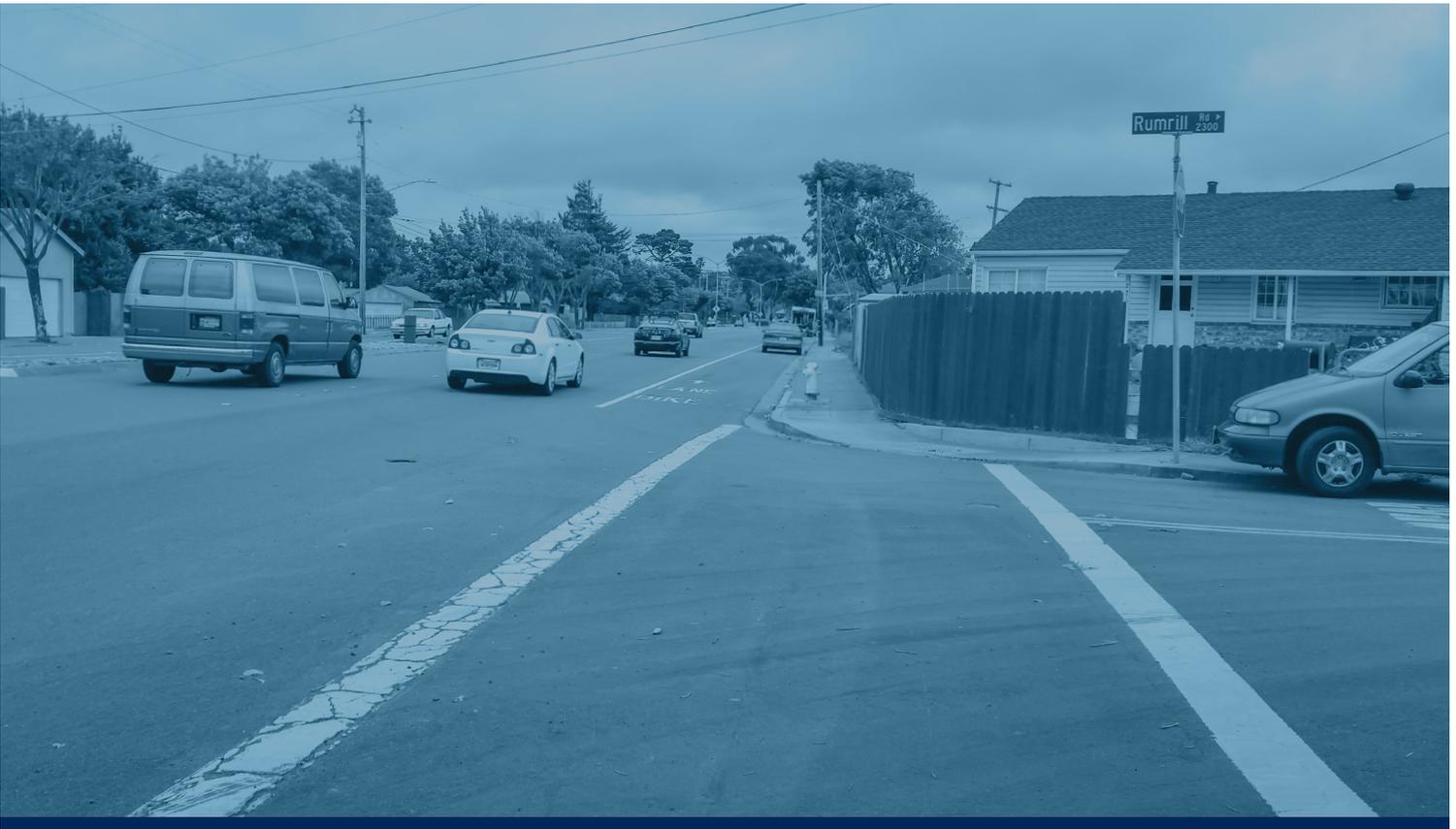
Michael Baker provides services to public and private clients nationwide and has a major presence in California where much of our work is with municipalities and other public agencies, such as the City of San Pablo. We adhere to an objective third party approach to our services; therefore outside of business contractual arrangements, we have no financial interest with any of our clientele. To the best of this proposer's knowledge, no contributions to any City public official (elected or not) or to any volunteers has been made for the purposes of influencing the work contemplated under the RFP, or any other project.

Consultant Contract Statement

As explained above, Michael Baker has negotiated and signed many past and current agreements with the City of San Pablo. We would merely request the opportunity to request City-approved changes consistent with our most recent agreement for environmental services, which are shown in red and green text on page 8-1 of the section entitled Proposed Agreement Modifications of this proposal. We would very much appreciate consideration of these requests once again.

05

REFERENCES AND COMPARABLE PROJECTS



05 | REFERENCES AND COMPARABLE PROJECTS

This section presents the projects Michael Baker has performed for cities and counties throughout California. We also have the unique experience of not only preparing project-level environmental projects but also preparing Complete Streets documents and providing engineering services, including design, to see those plans through implementation. Client references for the projects are provided below.

City of San Pablo Projects

We have been preparing environmental and planning documents for the City of San Pablo since 2005. The projects listed below are the most recent and represent a snapshot of our work.

City Wide Street Lighting Project Photometric Study and CEQA Compliance \ San Pablo, CA

Michael Baker evaluated the environmental impact of the illumination from proposed lighting additions intended to improve the street lighting based on the City Wide Street Lighting Evaluation. Michael Baker evaluated the impact of light trespass, uplight/light pollution, and glare. Four types of roadways were evaluated: arterial streets, mixed-use boulevards, collector roads, and local streets. Two sections of different roadways were evaluated for each type. Michael Baker evaluated the Optimized Fixture Distribution Project lighting layout, and determined that the City Wide Street Lighting project would be exempt from CEQA under Class I, existing facilities (CEQA Guidelines Section 15301).

City of San Pablo

Ronalyn Nonato
Assistant Engineer
P. (510) 215-3065

Plaza San Pablo Project Environmental Documentation | San Pablo, CA

Michael Baker prepared the environmental documentation for the Plaza San Pablo project that would construct eight single-family “zero lot line” residences (approximately 1,700 square feet per unit). The project would develop the site south of San Pablo Avenue, adjacent to the proposed San Pablo Library, within the San Pablo Avenue Specific Plan area. Michael Baker reviewed the previous environmental documents and determined that additional environmental review was not required and that the project is consistent with the San Pablo General Plan and the San Pablo Avenue Specific Plan.

City of San Pablo

Michele Rodriguez
Development Services Manager
P. (510) 215-3030
Rod Simpson
Assistant Planner
P. (510) 215-3036

El Portal Soccer Fields Environmental Documentation | San Pablo, CA

Michael Baker is currently providing CEQA review services for the El Portal Soccer Fields project. The City of San Pablo proposes to upgrade the existing 2.2-acre fields and provide additional amenities to accommodate expanded use of the soccer fields. The project would increase the size of the fields to allow for teen practice and tournament play, replace the existing field grass with synthetic turf, and add parking spaces and a playground.

City of San Pablo

Rod Simpson
Assistant Planner
P. (510) 215-3036

San Pablo Dam Road LED Project Environmental Documentation | San Pablo, CA

Michael Baker prepared the environmental documentation for the proposed new digital LED display sign that would be located at 2527 San Pablo Dam Road in the south parking lot of the San Pablo Holiday Inn Express & Suites on the City’s right-of-way. Michael Baker performed a photometric analysis and determined that additional environmental review was not required and that the project was consistent with the San Pablo Municipal Code (Section 18), San Pablo General Plan, and San Pablo General Plan EIR.

City of San Pablo

*Elizabeth Dunn
Assistant Planner
P. (510) 215-3035*

Shell Gas Station Expansion Project Initial Study/Mitigated Negative Declaration | San Pablo, CA

Michael Baker prepared the IS/MND for the project under a very tight timeline and budget. The project would update and expand the existing Shell Oil buildings and site to a gas station, convenience store, retail building, and car wash. Construction would take place over two phases. Significant environmental issues included hazardous materials and biological resources.

City of San Pablo

*Rod Simpson
Assistant Planner
P. (510) 215-3036*

CEQA/NEPA Compliance for Caltrans Projects

Below is a list of road and bridge projects for which Michael Baker provided CEQA and NEPA compliance and other related services in compliance with Caltrans regulations and procedures.

Kammerer Road Extension Project I County of Sacramento and the City of Elk Grove, CA

The County of Sacramento and the City of Elk Grove, in coordination with Caltrans, with funding administered through the FHWA, propose to extend Kammerer Road between Highway 99 and Interstate 5. Michael Baker drafted the environmental document and completed the cultural resources technical studies. Fourteen built environment cultural resources were recommended not eligible for inclusion in the National Register and California Register and one prehistoric archaeological resource was assumed eligible for purposes of the project. Consulting tribes were invited to be

Reference

*Kevin M. Bewsey, PE, QSD
City of Elk Grove
P. (916) 478-2243*



concurring parties on the Programmatic Agreement prepared for the project because they identified the prehistoric archaeological resource as a tribal cultural resource within the Area of Potential Effects (APE). Ms. Nichole Jordan David directed the cultural resources technical studies which resulted in a finding of no historic properties affected with standard conditions (ESA) and required a Historic Property Survey Report, Archaeological Survey Report, Historic Resources Evaluation Report, APE Map, Management Plan, Programmatic Agreement and Memorandum of Understanding.

Folsom Boulevard Complete Street Rehabilitation Project – NEPA Clearance | Sacramento, CA

Michael Baker assisted the City of Sacramento with NEPA clearance for the Folsom Boulevard Complete Street Rehabilitation Project. The project proposes to improve Folsom Boulevard, between 65th Street and the Union Pacific Railroad, and to the north of US 50, to accommodate new sidewalks, bicycle lanes, and a reduction in the number of vehicular travel lanes.

Due to federal funding utilized for the project, NEPA clearance was required through the Caltrans District 3 Division of Local Assistance. Michael Baker prepared a Preliminary Environmental Study (PES) form supported by a range of various technical studies, including a Phase I Initial Site Assessment, Visual Impact Assessment Memorandum, and Natural Environment Study–Minimal Impacts.



Reference

*Phillip Vulliet, PE
City of Sacramento
P. (916) 808-5092*

Type of project/Development:
Complete Street Project

Client type: *Public Agency*

Size and Scale: *0.25 mile*

Current Status: *Services Complete*
Highlights:

- Complete Street project
- Caltrans District 3 Local Assistance processing
- Phase I Initial Site Assessment
- Visual Impact Analysis
- Biological Resources Assessment
- FHWA funding
- Cultural Resources Technical Studies

Peter’s Canyon Bikeway Improvements/NEPA Clearance | Irvine, CA

Michael Baker assisted the City of Irvine with the preparation of NEPA clearance documentation for the Peter’s Canyon Bikeway Project. The City was awarded federal funding through the Federal State Transportation Improvement Program, thus requiring NEPA clearance through the Caltrans Division of Local Assistance.

The project proposed improvements along a 2,150-foot segment of the existing bicycle and pedestrian trail, located between the railroad tracks and Walnut Avenue, adjacent to the Harvard Athletic Park. The lighting improvements would include the implementation of pole-mounted lights installed approximately every 75 feet within the project site, resulting in the construction of 35 light poles. The proposed project was intended to reduce air pollutant emissions by encouraging travelers and commuters to bike to their destinations rather than drive. Implementation of nighttime lighting would promote bikeway usage in the early morning and evening hours, with resultant congestion benefits on nearby roadways.

Michael Baker prepared the PES form and technical studies required to support a Categorical Exclusion through Caltrans Local Assistance. Technical analysis prepared by Michael Baker included a Scenic Resources Evaluation and Visual Impact Assessment to determine any sensitive scenic resources affected within the project area. The project required cultural resources documentation in compliance with Section 106 of the National Historic Preservation Act. In addition, a Natural Environment Study–Minimal Impact report was also conducted by Michael Baker to analyze the potential for any impacts to sensitive biological resources.

Reference

*Cheryl Lea
City of Irvine
P. (949) 724-7313*

Type of project/Development:
Bicycle Trail Project

Client type: *Public Agency*

Size and Scale: *0.4 mile*

Current Status: *Services Complete*
Highlights:

- Bike trail project
- Caltrans Local Assistance District 12
- Preliminary Environmental Study form
- NEPA Categorical Exclusion
- Federal State Transportation Improvement Program

Avenue 50 Bridge over Coachella Valley Stormwater Channel – CEQA/NEPA Documents | Coachella Valley, CA

Michael Baker is currently assisting TranSystems (formerly Athalye Consulting Engineering Services) and the City of Coachella with preparation of CEQA/NEPA documentation for construction of a new bridge for Avenue 50 over the Coachella Valley Stormwater Channel. The existing Avenue 50 crossing is a low water crossing that is frequently flooded during storm events. The project is intended to create a new bridge to improve safety and travel within the project area.

The project requires NEPA clearance through Caltrans District 8 Local Assistance due to the use of federal funding for the project. The work effort includes the preparation of a PES form, in addition to numerous environmental technical studies consistent with the Caltrans SER. It is anticipated that the appropriate form of clearance under CEQA will be an Initial Study leading to a Mitigated Negative Declaration.

Reference

*TranSystems (Formerly Athalye Consulting Engineering Services)
Andy Cheah, PE
P. (949)273-6801*

Type of project/Development: *New Bridge Project*

Client type: *Public Agency*

Size and Scale: *6-lane bridge*

Current Status: *Preparation of environmental documentation ongoing*

Highlights:

- Caltrans District 8 Local Assistance
- FHWA funding
- CEQA/NEPA clearance
- Channel hydraulics
- Biological resources
- Cultural resources
- Water quality

Park Avenue Bridge Replacement Project – CEQA/NEPA Documents | Newport Beach, CA

Michael Baker prepared an IS/MND under CEQA and Categorical Exclusion under NEPA for the Park Avenue Bridge Replacement Project. The project proposed to replace the existing Park Avenue Bridge with a new seismically reinforced bridge structure along Park Avenue over the Grand Canal. The new ADA-compliant precast post-tensioned bridge structure includes two 11-foot vehicle lanes and 6-foot raised sidewalks, and would be approximately 36 feet wide. A temporary bridge structure overcrossing the Grand Canal along Marine Avenue will be utilized during construction of the new bridge structure. Key issues addressed included biological

resources, traffic, air quality, and noise due to construction and truck traffic created by the project.

Extensive consultation with the City of Newport Beach and applicable regulatory agencies were conducted to refine the biological resources impact analysis for the project and establish an appropriate range of mitigation measures for impacts to eelgrass in the Grand Canal. Due to federal funding for the project, Michael Baker also processed a PES form, technical studies, and a Categorical Exclusion through the Caltrans District 12 Division of Local Assistance for NEPA clearance.

Reference

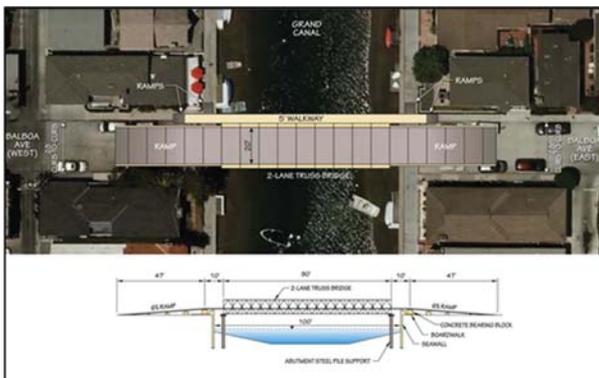
*Fong Tse, PE
City of Newport Beach
P. (949) 644-3321*

Type of project/Development: *Bridge Replacement Project*

Client type: *Public Agency*

Size and Scale: *2-lane bridge*

Current Status: *Services completed*



**East 20th Street/Walnut Avenue/Alamitos Avenue Intersection Improvement Project – NEPA Clearance
Long Beach, CA**

Michael Baker assisted the City of Long Beach with preparation of NEPA clearance documentation for the East 20th Street/Walnut Avenue/Alamitos Avenue Intersection Improvement project. The project consists of constructing of a new four-way signalized intersection, including the realignment of Alamitos Avenue, removal of a diagonal portion of East 20th Street, realignment of East Wesley Drive, and widening of East 20th Street.

Due to the City’s use of federal funds for the project, Michael Baker processed a PES form through the Caltrans District 7 Division of Local Assistance. The PES form supported Caltrans’s issuance of a Categorical Exclusion for the project. The PES explained how the project complies or will comply with applicable federal mandates as it relates to such items as biological resources, cultural resources, air quality, noise, public utilities, and traffic/transportation.

Reference

City of Long Beach
Mr. Craig Chalfant
P. (562) 570-6368

Type of project/Development:
Intersection Improvement Project

Client type: *Public Agency*

Size and Scale: *N/A*

Current Status: *Services completed*

Highlights:

- Caltrans District 7 Local Assistance
- Federally funded project
- Roadway and intersection improvements



Trabuco Road/Monroe Avenue Intersection Improvements – NEPA Clearance | Irvine, CA

Michael Baker prepared NEPA clearance documentation for the Trabuco Road/Monroe Avenue Intersection Improvements for the City of Irvine in an effort to improve safety and efficiency for vehicular, bicyclist, and pedestrian use. The project would include the following traffic signal and geometry improvements: (1) the eastbound and westbound left-turn lanes along Trabuco Road would be realigned for traffic to circulate as closely as possible to a typical four-legged intersection; (2) new traffic signalization improvements; (3) and striped crosswalks with ADA-compliant ramps would be provided along both sides of Trabuco Road and along the eastern side of Monroe Avenue. Ancillary improvements such as striping, pedestrian push button posts, signage, and a traffic signal cabinet would also be installed.

Michael Baker prepared a PES form and technical studies required to support a Categorical Exclusion for the project. The PES explained how the project complies or will comply with applicable federal mandates in key environmental areas including air quality, geology and soils, aesthetics, and public utilities and services. Technical studies prepared to support the analysis included a cultural resources analysis, a Natural Environment Study/Jurisdictional Delineation, and a Phase I Initial Site Assessment.

Reference

City of Irvine
Ms. Lisa Thai
P. (949)724-7384

Type of project/Development:
Intersection Improvement Project

Client type: *Public Agency*

Size and Scale: *N/A*

Current Status: *Services completed*

Highlights:

- Caltrans Local Assistance District 12
- Traffic signal and geometric improvements
- Public safety concerns
- NEPA clearance
- Cultural, biological, and hazardous materials studies



- LEGEND:**
- RECOMMENDED STRIPING/PAVEMENT MARKING & PEDESTRIAN RAMP IMPROVEMENTS
 - RECOMMENDED CURB AND RAISED-MEDIAN IMPROVEMENTS
 - ⊙ PROPOSED NEW TRAFFIC SIGNAL
 - (W) EXISTING LANE WIDTH
 - (N) RECOMMENDED LANE WIDTH
 - ☐ EXISTING STREET LIGHT
 - RECOMMENDED POLE MOUNTED SIGNAGE NOTES
 - ⊞ PROPOSED TRAFFIC SIGNAL CABINET
 - ⊞ RECOMMENDED TRAFFIC SIGNAL POLE/ARM EQUIPMENT
 - ⊞ PROPOSED VIDEO DETECTION CAMERA
 - ⊞ PROPOSED VIDEO DETECTION CAMERA
 - ⊞ PROPOSED CITY CAMERA
 - RECOMMENDED TRAFFIC SIGNAL POLE (TYPE 10, 10) WITH SIGNAL AND PEDESTRIAN HEAD
 - ⊞ RECOMMENDED TRAFFIC SIGNAL POLE WITH LUMINAIR SIGNAGE/APPENDIX
 - ⊞ PEDESTRIAN PUSH BUTTON/POST

PHASE DIAGRAM			
⤴	⤵	⤶	⤷
⤴	⤵	⤶	⤷
⤴	⤵	⤶	⤷
⤴	⤵	⤶	⤷

El Camino Real Bridge and Road Widening – NEPA Clearance | San Diego, CA

Michael Baker assisted the City of San Diego with preparation of an Environmental Assessment under NEPA for the El Camino Real Bridge Widening Project. Due to the City's use of federal funding for the project, the assessment was processed through the Caltrans Division of Local Assistance.

The project was required to correct seismic and operational deficiencies associated with the existing El Camino Real Bridge. The City proposed to reconstruct and widen the 340-foot-long bridge over the San Dieguito River. Project build alternatives included four vehicle travel lanes with pedestrian, bicycle, and equestrian improvements. Utility relocations and improvements to bridge approaches were also included.

The Environmental Assessment and supporting technical studies included preparation of a detailed biological analysis to determine potential impacts to federally listed species. In addition, the project required extensive coordination with multiple state and federal regulatory agencies. Other primary issues requiring analysis in the assessment and supporting technical studies included aesthetics, noise, wetlands, and hydrology/water quality.

Type of project/Development: *Bridge Widening Project*

Client type: *Public Agency*

Size and Scale: *4-lane bridge*

Current Status: *Preparation of environmental documentation ongoing*

Highlights:

- Caltrans Local Assistance
- Environmental Assessment
- Biological analysis
- FHWA funding
- Caltrans District 11



State Route 178/Fairfax Avenue Interchange, CEQA/NEPA Documents | Bakersfield, CA

Michael Baker provided a wide range of environmental consulting services for this project, working closely with Caltrans, the City of Bakersfield, and regulatory agencies. The project involved construction of a new interchange to replace the at-grade crossing of SR 178 at Fairfax Avenue, as well as improvements to Fairfax Avenue. Michael Baker conducted the following studies, which are anticipated to support an IS/MND for CEQA compliance and a Categorical Exclusion for NEPA compliance: Visual Impact Assessment; Noise Impact Report (per TNAP); Initial Site Assessment; Natural Environment Study Report/ Biological Assessment; Negative Historic Property Survey Report; Air Quality Report and CO Hotspot Analysis; and Regulatory Agency Coordination/Jurisdictional Delineation.

Type of project/Development:

Freeway Interchange Project

Client type: *Public Agency*

Size and Scale: *N/A*

Current Status: *Services Complete*

Highlights:

- Comprehensive environmental services
- New interchange and street improvements
- FHWA funding
- Caltrans District 6

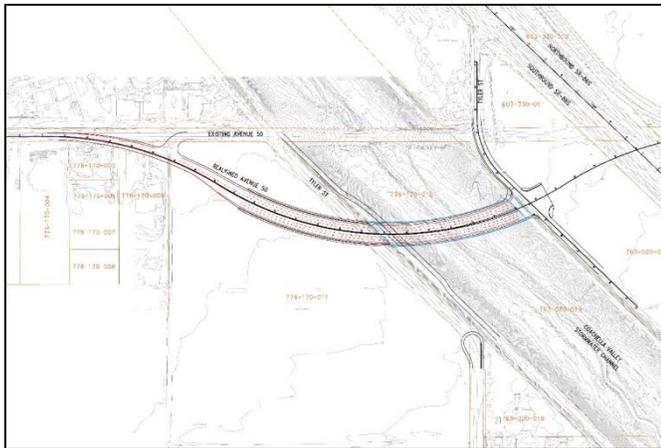


State Route 99/White Lane Interchange – CEQA/NEPA Documents | Bakersfield, CA

Michael Baker provided CEQA and NEPA environmental consulting services to the City of Bakersfield for the SR 99/White Lane Interchange Improvement project. The project involved improvements to the existing interchange and construction of an auxiliary lane at the southbound exit ramp. After carefully considering the available information in the project study report, Michael Baker determined that the appropriate environmental clearance document for the proposed project was an IS/MND for CEQA and a Categorical Exclusion with special studies for NEPA. CEQA and NEPA technical evaluations prepared/facilitated by Michael Baker included a CO hotspot screening, air quality conformity analysis, Historic Property Survey Report/APE, Initial Site Assessment, Natural Environment Study, location hydraulic study, and acoustical analysis. Michael Baker worked closely with Caltrans District 6 staff to ensure all state and federal requirements were identified and satisfied during the technical document content scoping. Michael Baker also developed the APE map consistent with FHWA requirements and completed a PES form as required by Chapter 6 of the Local Assistance Procedures Manual.

Type of project/Development:
Freeway Interchange Project
Client type: *Public Agency*
Size and Scale: *N/A*
Current Status: *Services Complete*
Highlights:

- Comprehensive environmental services
- Freeway interchange improvements
- FHWA funding
- Caltrans District 6



Additional Complete Street Projects

San Marcos Boulevard Complete Street Planning Project | San Marcos, CA

The complete street (multiway) design concept was applied to San Marcos Boulevard to operate the entire roadway with varied users in mind including bicyclists, motorist, public transportation vehicles, riders, walkers, shopkeepers, and pedestrians of all ages and abilities. Under contract with the City of San Marcos, Michael Baker developed alternatives and conducted analyses along the corridor to be used for future development as planned in the City's General Plan update, and in accordance with the San Diego Association of Governments and Caltrans grants awarded to the City. The project limits extend from Bent Avenue to Discovery Street. Michael Baker's scope of work included:



- Identifying traffic-calming measures along San Marcos Boulevard and within the Creek District to pair the traffic flow characteristics with the redevelopment plans for the Creek District.
 - Design of sidewalks in the study area to encourage more pedestrian activity while meeting ADA requirements.
 - Improving travel for bicycles through innovative treatments such as design of separated bicycle lanes.
 - Improving pedestrian access by reducing crossing distance, improving pedestrian connectivity, and identifying safety enhancement measures.
 - Design of medians to improve aesthetics, provide pedestrian corridors, and create public green space.
 - Design of stormwater treatments to meet current regional standards and integrate low-impact features to reduce stormwater runoff.
 - Identification of street greening options, including preservation of existing street trees or installation of new trees.
- Developing conceptual designs that clearly identify utility relocation needs, stormwater and drainage modifications, and other physical features.

Hillcrest Corridor Mobility Plan | San Diego, CA

The main objective in developing the Hillcrest Corridor Mobility Plan was to develop a plan to improve mobility that balances and improves pedestrian safety traffic-calming measures, transit, bicycle, and pedestrian improvements. The plan will provide additional parking in the heavily congested urban Hillcrest corridor. This project continued a study that was previously initiated by community groups starting in 2004.

The Michael Baker team conducted extensive community outreach and involvement throughout the entire process. The goal was to develop a refined concept plan for the corridor that addresses mobility and safety for all modes of travel. The primary components of the work program included:

- Collecting information and compiling data on existing conditions including: roadway and intersection configurations; traffic, bicycle and pedestrian counts and accident data; and transit facilities and services.
- Utilizing the above information and previous studies prepared by other consultants, integrating initial traffic calming, bus rapid transit, and bicycle, pedestrian, and parking concepts into a draft concept plan.
- Conducting feasibility and alternatives analysis to develop a refined concept plan and final report.



- Environmental reconnaissance to identify potential major impacts.
- Developing cost estimates and an implementation plan.

Michael Baker worked closely with the City on an outreach program that integrally involved residents and business owners in the planning and analysis process. In addition to the active involvement of a project working group, Michael Baker conducted presentations to the Uptown Community Planning Committee. The outreach process consisted of interviews and discussion groups, website, information center, media campaign, newsletters, brochures/flyers/posters, mobility walks, kickoff workshop, design workshop, and open house.

University Avenue Mobility Plan | San Diego, CA

The University Avenue Mobility Plan evaluated the operating conditions of University Avenue through the community of North Park. The primary components of the work program included:

- Development of a public outreach strategy and facilitation of public meetings.
- Base mapping of existing striping and utilities.
- Several technical studies to evaluate the Preferred Concept Plan including traffic, transit, pedestrian and bicycle accessibility.
- Revisions to the Preferred Concept Plan based on findings of the technical studies.
- Preparation of preliminary design, cost estimates, and implementation program of the Refined Concept Plan.

The community of North Park aims to recover the “Main Street” environment that has been lost along this corridor due to high congestion, high accident rates, lack of parking, and low economic support. Michael Baker developed a traffic-calming concept plan to help recreate this environment. Michael Baker worked closely with City staff to evaluate the operational constraints inherent to the traffic-calming Preferred Concept Plan. The project had an accelerated six-month schedule, which included six public workshops, fifteen team meetings, and six steering committee meetings.

Operations of University Avenue were evaluated using VISSIM, a state-of-the-art traffic simulation software. The program has the unique characteristic of allowing the analysis of a transit-only lane, which was a key component of the Preferred Concept Plan. Using this software program, Michael Baker could evaluate the impacts of traveler delay, speed, travel time, and transit operations for the existing and future conditions.

The Michael Baker team identified the physical constraints along the corridor and developed alternatives to provide for acceptable travel time and delays. The team was faced with many challenges, including maintaining parking on the corridor, minimizing impacts to public right-of way, and balancing pedestrian and bicycle needs with traffic and transit operations.



WRECO Project Experience

Brighton Avenue Pilot Green Street Project | Albany, CA

The Brighton Avenue Pilot Green Street Project is located in front of the main entrance to Albany Middle School and directly across from MacGregor High School along Brighton Avenue in the City of Albany. WRECO assisted the City of Albany in preparing both phases of the Proposition 84 Stormwater Grant Program applications. For the grant applications, WRECO developed site renderings, assessed the applicability of low-impact development (LID) to the existing conditions, prepared preliminary design plans, estimated the project costs, and developed the project schedules. The City of Albany successfully received funding for their projects.

WRECO also assisted the City with a community consensus and public outreach efforts. The project proposes LID green infrastructure to capture, retain, and treat stormwater runoff. Proposed bioretention areas (rain gardens) will provide stormwater treatment, and the overflow from the rain gardens will enter an underdrain pipe to be conveyed to the nearest existing storm drain system, which outfalls to Cerrito Creek. WRECO is preparing the maintenance and monitoring manual for the project.

The project is ongoing. Completed tasks were delivered on time and within budget.



Capital South East Connector – Segment B2 | Elk Grove, CA

The 34-mile Capital SouthEast Connector expressway will serve as a beltway through Sacramento County into El Dorado County, enabling travelers to bypass downtown Sacramento and Highway 50 congestion between Elk Grove, Rancho Cordova, Folsom, and El Dorado Hills. WRECO is working on Segment B2, which is a 1.2 miles long segment of the project on the existing Grantline Road between Waterman Road and Bradshaw Road. The project proposes to widen the existing roadway from two to four lanes with a raised median section in the middle. Profile corrections and new drainage features will also be part of the project to correct the drainage and provide a safe emergency route during the 100-year flood event.

WRECO is responsible for the hydrology and hydraulic analysis, stormwater quality treatment evaluation, Location Hydraulic Study, and Water Quality Assessment Technical Memorandum. Additionally, WRECO is providing Geotechnical Engineering and Hazardous Waste Study services for the project. The Hazardous Waste Study established the evidentiary basis to rule out a wide range of potential hazards at the site while outlining a path to manage any risks that remained, controlling the range of waste management uncertainty during PS&E and construction.

The project is ongoing. Completed tasks were delivered on time and within budget.



Project Site Location

Roadway Safety Sign Audit and Sign Upgrade, Environmental Services | Placer County, CA

In accordance with ASTM E1527-05, WRECO provided an Initial Site Assessment/hazardous waste assessment for the installation of approximately 2,600 sign placards and associated sign posts. WRECO utilized both novel and conventional geographic information system (GIS) methods to perform screening for aerially deposited lead, naturally occurring asbestos, hazardous materials cleanups, mining activity, railroads, and dry cleaning facilities. In addition, WRECO performed field inspections for all sign locations that met certain criteria.

WRECO was responsible for developing a method to import data remotely by creating a cloud-based GIS smartphone/tablet application integrated with a Microsoft Access reporting system to allow field inspectors to submit inspection data and photos for quality control review in real time. The WRECO team performed GIS screening of new sign database to identify sign post locations meeting the criteria of unique relative to signs already screened. *The effort cleared approximately 800 of the sign locations for no hazardous material impacts as part of the CEQA/NEPA process for Placer County.*

The project is ongoing. Completed tasks were delivered on time and within budget.



06

PROJECT MANAGEMENT AND STAFF AVAILABILITY



06 | PROJECT MANAGEMENT AND STAFF AVAILABILITY

Project Management

Our project manager, Darcy Kremin, subscribes to a management philosophy that is rooted in responsiveness. She will always be available to City staff and fast to respond with a strategy and an appropriately scoped approach to any task by drawing on her expertise and her team of experienced environmental professionals. In short, Ms. Kremin will provide a “one-name, one-call” level of confidence to City staff

Ms. Kremin will employ a proven project management system that results in high-quality, on-time, and on-budget deliverables to the City. This methodology will be tailored for each task order to meet the City’s needs and individual project complexities. Ms. Kremin, with assistance from her technical staff, will monitor task order schedule and budget, provide a planned effort for production of deliverables, oversee quality assurance and quality control (QA/QC) reviews, and develop action plans to proactively address issues and ensure successful completion of all task orders.

Decisions on items of discussion with City staff and critical-path issues requiring resolution will be documented in meeting minutes, which will become part of the project file. The early identification and resolution of critical issues are imperative to keep technical studies on track and on schedule, coupled with careful and timely documentation of decisions reached. Based on this approach, we will proactively deal with potential variances from the schedule, early and intelligently, before they become a problem. In addition, Ms. Kremin will communicate to City staff the impact of any schedule changes necessitated by circumstances outside the control of the project team before or as they occur. These project management tools will result in constant vigilance over schedule and budget performance and consistent communications, with no surprises for the City.

Staff Availability

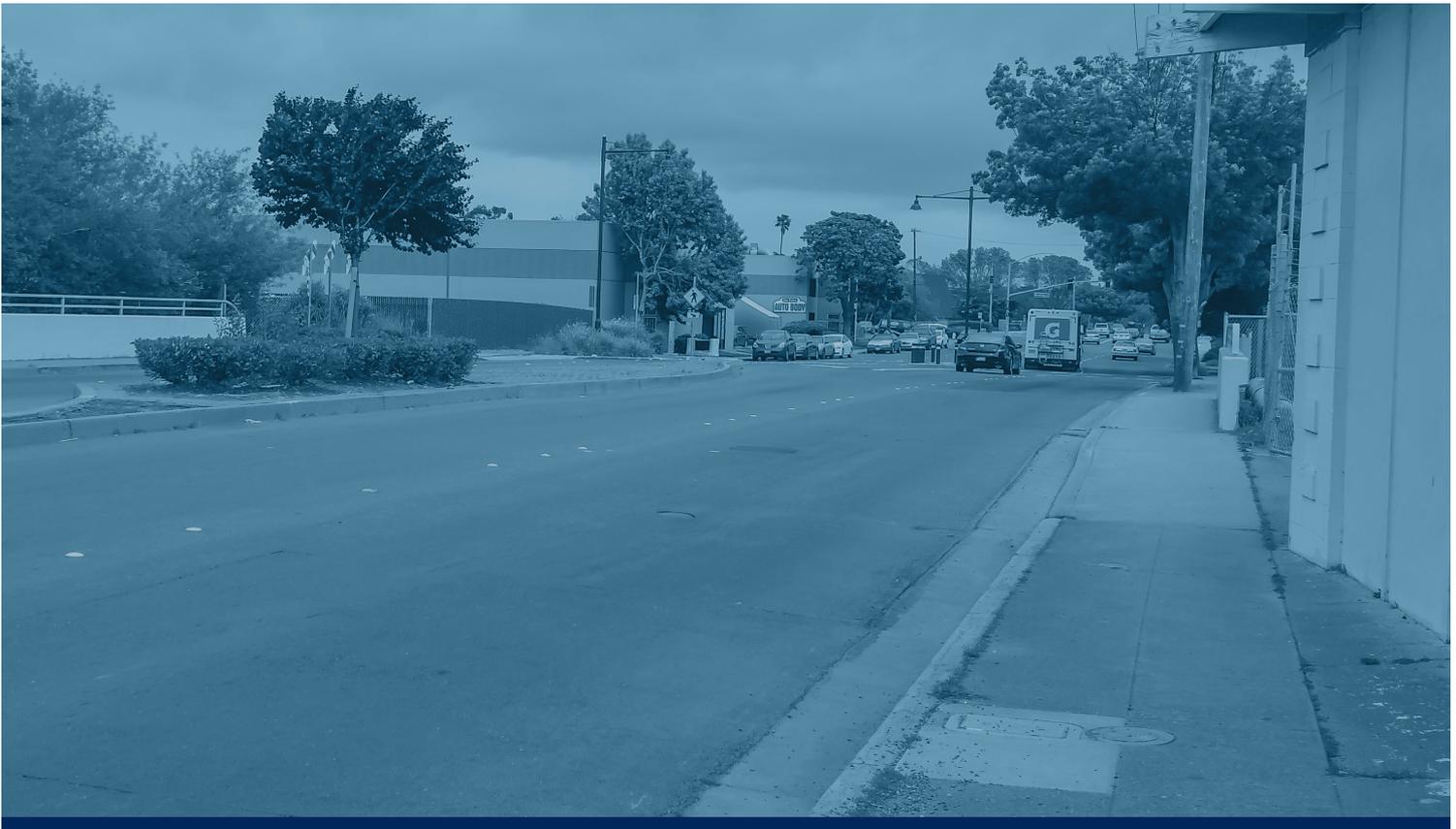
We can provide sufficient staff resources at any given time, because no two projects are the same and very few staff members are employed full time on any one project. The nature of our work requires flexibility because the process and timelines cause gaps in project workloads. Our staff are usually involved in multiple projects at any given time to balance these workload issues. Also, our team can accommodate large and small projects. Therefore, our management and technical staff are available whenever the project or client needs us. Our current staff capacity is as follows:

Name	Role	Availability
Tad Stearn	Project Director	10%
Darcy Kremin, AICP	Project Manager	50%
Florentina Craciun, AICP	CEQA/NEPA/Section 4F	40%
Seth Myers	Air Quality	30%
Robert Davis, PTP	Traffic	20%
Nichole Jordan Davis, RPA	Cultural Resources	30%
Margo Nayyar	Cultural Resources	30%
Laura Larsen, PE, CPESC, CPSWQ, QSD/P	Water Quality	10%
Martii Eckert, AICP	Visual	30%
Jerome Ruddins, CCM, QSPO, CISEC	Equipment Staging	10%
Courtney Wood, AICP, LEED AP, IAP2	Community Outreach	30%
David Mueller, PE	Floodplain	10%

Name	Role	Availability
Sandra Etchell (<i>WRECO</i>)	Biological	30%
Jared Elia (<i>WRECO</i>)	Biological	30%
Joyce Cheng, PE (<i>WRECO</i>)	Hazardous Waste	25%
Flannery Banks (<i>WRECO</i>)	Hazardous Waste	30%
Tony Jones, QSD/P, QISP, CPESC, CESSWI (<i>WRECO</i>)	Hazardous Waste	30%
Analette Ochoa, PE, QSD/P, ToR (<i>WRECO</i>)	Water Quality	25%
Chris Sewell, PE, QSD/P (<i>WRECO</i>)	Floodplain	10%

07

COST ESTIMATE



07 | COST ESTIMATE

Michael Baker's cost estimate is included in the following pages. Per Addendum No. 1, we have also included our cost estimate in the Caltrans' 10-H format. Please note the following:

- Based on our extensive experience with Caltrans federal funding requirements, we have provided our cost estimate in the Caltrans 10-H Example #1 format. We can provide the cost estimate in the Example #3 format at a later date, if requested by the City.
- Due to rounding numbers, the attached budget spreadsheet shows our cost estimate \$1.53 higher than the Caltrans 10-H form. For federal funding requirements, we will use the budget in the 10-H form in our contract with the City.

**Rumrill Boulevard Complete Streets Project
Environmental Assessment Consulting Services
Cost Estimate**

	Managing Director	Technical Specialist	Sr. Technical Specialist	Senior Transportation Planner	Project Manager	Sr. Engineer	Senior CEQA Reviewer	Engineer / Visual Specialist	Senior Cultural Resources Mgr	Technical Specialist	Senior Planner	Senior Planner	Transportation Planner	Asst. Engineer	Tech Staff	Assoc. Planner	Assoc. Planner	GIS/ Graphics	Technical Editor	Asst Planner	Admin	Total Hours	WRECO \$	Total Budget
Tasks	\$250.00	\$203.80	\$270.60	\$188.75	\$180.01	\$168.78	\$163.13	\$106.18	\$125.36	\$120.60	\$121.53	\$97.85	\$111.38	\$79.88	\$90.82	\$83.03	\$78.53	\$101.73	\$82.47	\$75.24	\$55.91			
Task 1. Traffic				24	2								68			58			4		4	160		\$ 17,833
Task 2. Air Quality Conformity					2					24							60		4		4	94		\$ 8,520
Task 3. Hazardous Waste					2																	2	\$ 13,100	\$ 13,460
Task 4. Water Quality	4			16		36								74							4	134	\$ 1,600	\$ 17,831
Task 5. Floodplain	2	24		8		6												40			2	82	\$ 1,600	\$ 13,695
Task 6. Biology					2																	2	\$ 22,140	\$ 22,500
Task 7. Section 4(f)	1				4		8				24								4	40	4	85		\$ 8,755
Task 8. Visual	1				16			24		8	40							8				97		\$ 12,318
Task 9. Community	2			8	8		8					60	24			30		16	4		16	176		\$ 18,642
Task 10. Equipment Staging			4										16	16								36		\$ 4,143
Task 11. Cultural resources					4				170						220			10	15		15	434		\$ 45,105
Task 12. CEQA Document	2				8		24			8								8	8	64	8	130		\$ 13,556
Task 13. NEPA Document	4				24		24											8	16	80	16	172		\$ 18,282
Subtotal	16	24	4	56	72	42	64	24	170	40	64	60	108	90	220	88	60	90	55	184	73	1604	\$ 38,440	\$ 214,640
Direct costs*																								\$ 10,000
Total																								\$224,640

*Includes travel, records search and printing costs for flyers and env. docs

Note:

Per meeting cost **\$1,500**

EXHIBIT 10-H COST PROPOSAL (Page 1 of 2)
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Consultant Michael Baker International, Inc. Contract No. _____ Date 5/11/2017

Classification/Title	Name	Hours	Actual Hourly	Total
Ruddins, Jr., Jerome	Technical Manager IV	4	\$ 96.21	\$ 384.84
Stearn, Tad	Office Executive I	16	\$ 88.89	\$ 1,422.24
Larsen, Laura	Technical Manager II	24	\$ 72.46	\$ 1,739.04
Davis, Robert	Project Manager II	56	\$ 67.11	\$ 3,758.16
Kremin, Darcy	Technical Manager I	72	\$ 64.00	\$ 4,608.00
Mueller, David	Technical Manager III	42	\$ 60.01	\$ 2,520.42
Hardt-Holoch, Kathleen	Project Manager II	64	\$ 58.00	\$ 3,712.00
Jordan Davis, Nichole	Project Manager I	170	\$ 44.57	\$ 7,576.90
Craciun, Florentina	Environmental Specialist II	64	\$ 43.21	\$ 2,765.44
Myers, Seth	Project Manager I	40	\$ 42.88	\$ 1,715.20
Swim, Jacob	Planner I	108	\$ 39.60	\$ 4,276.80
Eckert, Martti	Planner II	24	\$ 37.75	\$ 906.00
Faoro, Jonathan	GIS/Graphics	90	\$ 36.17	\$ 3,255.30
Wood, Courtney	Planner II	60	\$ 34.79	\$ 2,087.40
Nayyar, Margo	Cultural Resources Spec II	220	\$ 32.29	\$ 7,103.80
Gray, Jordan	Civil Associate I	88	\$ 29.52	\$ 2,597.76
Wirth, Suzanne	Technical Editor	55	\$ 29.32	\$ 1,612.60
Sinclair, Maren	Civil Associate I	90	\$ 28.40	\$ 2,556.00
Taylor, Lindsay	Planning Associate I	60	\$ 27.92	\$ 1,675.20
Reed, Abby	Planning Associate I	184	\$ 26.75	\$ 4,922.00
Prybyla, Tracy	Administrative	73	\$ 19.88	\$ 1,451.24
Total Hours		1,604		

LABOR COSTS

a) Subtotal Direct Labor Costs	\$ 62,646.34
b) Anticipated Salary Increases (see page 2 for sample)	\$ -
c) TOTAL DIRECT LABOR COSTS [(a)+(b)]	\$ 62,646.34

FRINGE BENEFITS

d) Fringe Benefits (Rate <u>46.18%</u>)	e) TOTAL FRINGE BENEFITS [(c) x (d)]	\$ 28,930.08
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INDIRECT COSTS

f) Overhead (Rate <u>57.82%</u>)	g) Overhead [(c) x (f)]	\$ 36,222.11
h) General and Administrative (Rate <u>51.69%</u>)	i) Gen & Admin [(c) x (h)]	\$ 32,381.89
	j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]	\$ 97,534.09

FEE (Profit)

q) (Rate <u>10.00%</u>)	k) TOTAL FIXED PROFIT [(c) + (j)] x (q)]	\$ 16,018.04
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OTHER DIRECT COSTS (ODC)

Description	Unit(s)	Unit Cost	Total
l) Travel/ Mileage Costs (supported by consultant actual costs)	1	\$ 10,000.00	\$ 10,000.00
m) Equipment Rental and Supplies (itemize)		\$ -	\$ -
n) Permit Fees (itemize), Plan Sheets (each), Test Holes (each), etc.		\$ -	\$ -
o) Subconsultant Costs (attach detailed cost proposal in same format as prime consultant estimate for each subconsultant)		\$ -	\$ 38,440.00
			p) TOTAL OTHER DIRECT COSTS [(l) + (m) + (n) + (o)]
			\$ 48,440.00
			TOTAL COST [(c) + (j) + (k) + (p)]
			\$ 224,638.47

Notes:

- Employees subject to prevailing wage requirements to be marked with an *.
- ODC items should be based on actual costs and supported by historical data and other documentation.
- ODC items that would be considered "tools of the trade" are not reimbursable.
- ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
- ODC items when incurred for the same purpose, in like circumstances, should not be included in any indirect cost pool or in overhead rate.

EXHIBIT 10-H COST PROPOSAL (Page 2 of 2)

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(SAMPLE CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

Consultant Michael Baker International, Inc. Contract No. 0 Date 5/11/2017

1. Calculate average hourly rate for 1st year of contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal Per Cost Proposal		Total Hours cost Proposal	=	Avg Hourly Rate	5year Contract Duration
\$ 62,646.34	/	1,604	=	\$ 39.06	Year 1 avg Hourly rate

2. Calculate hourly rate for all years (increase the Average Hourly rate for a year by proposed escalation%)

	Average hourly rate		Proposed Escalation	=		
Year 1	\$ 39.06	+	5%	=	\$ 41.01	Year 2 Avg Hourly Rate
Year 2	\$ 41.01	+	5%	=	\$ 43.06	Year 3 Avg Hourly Rate
Year 3	\$ 43.06	+	5%	=	\$ 45.21	Year 4 Avg Hourly Rate
Year 4	\$ 45.21	+	5%	=	\$ 47.47	Year 5 Avg Hourly Rate

3. Calculate estimated hour per year (multiply estimate % each year by total hours)

	Estimated % Completed Each year	*	Total Hours Per Cost Proposal	=	Total Hours per Year	
Year 1	100.0%	*	1604	=	1604.0	Estimated Hours Year 1
Year 2	0.0%	*	1604	=	0.0	Estimated Hours Year 2
Year 3	0.0%	*	1604	=	0.0	Estimated Hours Year 3
Year 4	0.0%	*	1604	=	0.0	Estimated Hours Year 4
Year 5	0.0%	*	1604	=	0.0	Estimated Hours Year 5
Total	100.0%		Total	=	1604.0	

4. Calculate Total Costs including Escalation (multiply average hourly rate by the number hours)

	Avg Hourly Rate (Calculated above)	*	Estimated hours (Calculated above)	=	Cost Per Year	
Year 1	\$ 39.06	*	1604.0	=	\$ 62,646.34	Estimated Hours Year 1
Year 2	\$ 41.01	*	0.0	=	\$ -	Estimated Hours Year 2
Year 3	\$ 43.06	*	0.0	=	\$ -	Estimated Hours Year 3
Year 4	\$ 45.21	*	0.0	=	\$ -	Estimated Hours Year 4
Year 5	\$ 47.47	*	0.0	=	\$ -	Estimated Hours Year 5
Total Direct Labor Cost with Escalation =					\$ 62,646.34	
Direct Labor Subtotal before Escalation =					\$ 62,646.34	
Estimated Total of Direct Labor Salary Increase =					\$ -	Transferred to page 1

Notes:

- This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
- This escalation calculation is for determining the total contract amount only. The actual allowable escalation is per **Contract Section TBD**.
- Estimated yearly percent completed from resource loaded schedule

08

PROPOSED AGREEMENT MODIFICATIONS



08 | PROPOSED AGREEMENT MODIFICATIONS

This proposal is in strict compliance with the Request for Proposal (RFP) and the City of San Pablo Agreement for Consulting Services for the Rumrill Boulevard Complete Streets, Environmental Assessment Consulting Services Project except for the items listed below. Michael Baker respectfully suggests the following amendments to the Agreement and we would appreciate the opportunity to discuss the terms upon contract award.

Requested deletions are noted using ~~red strikethrough~~ and requested additions are noted in **bold green text**.

(1) Scope of Services

Quality of Performance

Consultant agrees to perform these services in accordance with the standards of its profession and within the terms of this agreement, ~~and shall at all times be provided on a basis satisfactory to the City Manager~~, and shall at a minimum be consistent with all goals and objectives set forth herein.

Consultant shall be solely responsible for the quality and suitability of services provided pursuant to this Agreement. The City Manager or designee shall **reasonably** determine whether services provided by Consultant pursuant to this Agreement are **in accordance with this Agreement**. ~~are satisfactory to the City~~. If during the course of this Agreement, it is determined services being provided are not ~~satisfactory in accordance with this Agreement~~, Consultant shall take such corrective action as the City may **reasonably** require. Failure to promptly take such action shall constitute a material breach of this Agreement and cause for termination in the City's discretion. This standard of care is not intended and shall not be construed to impose an obligation on the City within the meaning of Government Code Section 815.6.

Time is of the Essence. In the performance of this agreement, time is of the essence **subject, however, to the exercise of the standard of care for performance of such services**. Consultant shall be available to begin performance of services under this agreement immediately upon written notification of the execution of this agreement. All work as outlined in the scope of services must be completed by _____. [include deadline if appropriate]

(2) Compensation

Notwithstanding any contrary indications which may be contained in Consultant's proposal, in exchange for the ~~satisfactory~~ performance of services that satisfy **the terms of this Agreement** and timely achieve the milestones, performance commitments and outcomes identified herein and in the attached exhibits, City hereby agrees to pay Consultant a sum not to exceed write out amount (\$ _____) as follows:

Consultant shall be paid within thirty (30) days of receipt of billings for work completed and approved **such approval to not be unreasonably withheld**. Invoices shall be submitted containing all information contained in paragraph 6 "Billings" below. In no event shall Consultant be entitled to compensation for extra work unless an approved change order, or other authorization describing the extra work and payment terms, has been executed by City prior to the commencement of the work.

(3) Changes In Work – Extra Work

In addition to services described in section 1, the parties may from time to time agree in writing that Consultant, for additional compensation, shall perform additional services. The City and Consultant shall agree in writing to any changes in compensation and/or changes in Consultant's services prior to the commencement of any work. If Consultant deems work it has been directed to perform is beyond the scope of this agreement and constitutes extra work, Consultant shall immediately inform the City in writing of the fact. The City shall make a **reasonable** determination as to whether such work is in fact beyond the scope of this agreement and

constitutes extra work. In the event that the City determines that such work does constitute extra work, it shall provide compensation to the Consultant in accordance with an agreed cost that is fair and equitable.

(8) Retention of Records.

Consultant's complete files, including all records, employee time sheets, and correspondence pertaining to the work as described within the proposal of services submitted to the City shall upon **reasonable** request be available for review by the City, and copies of pertinent reports and correspondence, upon written request, shall be furnished for the files of City. Consultant shall maintain adequate documentation to substantiate all charges for hours and materials charged to City under this agreement. Consultant shall maintain the records and any other records related to the performance of this agreement and shall allow City access to such records for a period of four (4) years after the completion of the work to which records relate.

At City's request, or upon completion or termination of this agreement, Consultant shall return to City all plans, maps, cost estimates, project financial records, reports, and related documents.

All research information, plans, diagrams, financial records, reports, cost estimates or other documents prepared or obtained under the terms of this agreement shall be delivered to and become the property of the City and all data prepared or obtained under this contract shall be made available, upon request, to the City without restrictions or limitations on their use. **Any reuse or modification by City of any such materials on any project other than the project which is the subject of this Agreement without Consultant's prior written consent shall be at the sole risk of City.**

(10) Record and Fiscal Control System.

Consultant shall maintain its financial records and fiscal control systems in a manner that meets the **reasonable** approval of the City; it shall maintain personnel and payroll records to adequately identify the source and application of all received funds; withhold income taxes; pay employment (social security), unemployment compensation, worker's compensation and other taxes as may be due; and, procure and maintain a City of San Pablo Business License. Consultant shall maintain an effective system of internal control to assure that funds provided through the City are used solely for authorized purposes.

(11) Access to Records; Audits.

The City shall, **pursuant to Section 8 herein**, have access at any time during normal business hours and as often as necessary to any bank account and books, records, documents, accounts, files, reports, and other property and papers of Consultant relating to the services to be provided under this Agreement for the purpose of making an audit, review, survey, examination, excerpt or transcript.

(12) Consultant's Testimony.

Consultant agrees to consult with City and testify at City's request at no additional cost other than normal witness fees, **at Consultant's standard hourly rates**, if litigation is brought against City in connection with Consultant's services.

(13) Designation of Primary Provider of Services.

This agreement contemplates the services of Consultant firm, _____. The primary provider of the services called for by this agreement shall be _____, who shall not be replaced without the written consent of City, **except should such primary provider become unexpected unavailable due to emergency or termination of employment, Consultant shall provide a replacement project manager with equal or greater qualifications and request approval of City. City shall not unreasonably withhold approval of such replacement.**

(16) Insurance.

A. General, Automotive, and Employer's Liability, and Workers' Compensation Provisions. On or before beginning any of the services or work called for by any term of this agreement, Consultant, at its own cost and expense, shall carry, maintain for the duration of the agreement, and provide proof thereof that is **reasonably** acceptable to the City the insurance specified herein below with insurers and under forms of insurance **reasonably** satisfactory in all respects to the City. Consultant shall not allow any subcontractor to commence work on any subcontract until all insurance required of the Consultant has also been obtained for the subcontractor. Consultants shall maintain limits no less than set forth below. If the consultant maintains higher limits than the minimums shown above, the City shall be entitled to coverage for the higher limits maintained by the consultant.

A.5. Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by City. ~~At the option of City, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Consultant shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration, and defense expenses.~~

A.6. Other Insurance Provisions

The City, its officers, officials, employees, and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Consultant; and with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts or equipment furnished in connection with such work or operations. General Liability coverage shall be provided in the form of an Additional Insured endorsement (**at least as broad as** form CG 20 10 11 85, or forms CG2010 version 10/01 and GC 2037 versions 10/01 or equivalent or CG 20 07 for design professional **or equivalent**) to the Consultant's insurance policy, or as a separate owner's policy.

Deductibles and Self-Insured Retentions.

Consultant shall disclose the self-insured retentions and deductibles before beginning any of the services or work called for by any term of this agreement. ~~During the period covered by this agreement, upon express written authorization of City Manager, Consultant may increase such deductibles or self-insured retentions with respect to City, its officers, employees, agents, and volunteers. The City Manager may condition approval of an increase in deductible or self-insured retention levels upon a requirement that Consultant procure a bond guaranteeing payment of losses and related investigations, claim administration, and defense expenses that is satisfactory in all respects to each of them.~~

A.9. Verification of Coverage

Consultant shall furnish the City with endorsements effecting coverage required by this clause. The endorsements are to be signed by a person authorized by that Insurer to bind coverage on its behalf. The endorsements are to be on forms provided by the city, unless the insurance company will not use the City's forms. All endorsements are to be received and approved by the City before work commences. However, failure to do so shall not operate as a waiver of these insurance requirements. ~~As an alternative to the City's forms, the Consultant's insurer may provide complete copies of all required insurance policies, including endorsements effecting the coverage required by the specifications.~~

C. City Remedies

In addition to any other remedies City may have if Consultant fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option:

(i) ~~Obtain such insurance and deduct and retain the amount of the premiums for such insurance from any sums due under the agreement;~~

(18) Indemnification for Specified Licensed Professionals.

~~A. Consistent with California Civil Code Section 2782.8, when the services to be provided under this Agreement are design professional services to be performed by a design professional, as that term is defined under said section 2782.8, Consultant shall, to the fullest extent permitted by law, indemnify, defend and hold harmless City, and its employees, officials, volunteers and agents ("Indemnified Parties") from and against any and all losses, claims, damages, costs and liability of every nature, including reasonable attorneys' fees and costs, to the extent caused in whole or in part by any negligence, recklessness, or willful misconduct of Consultant, its officers, employees, agents, sub-consultants or subcontractors in performance of professional services under this Agreement.~~

~~B. Other than in the performance of professional services by a design professional, which shall be solely as addressed by subsection (a) above, and to the full extent permitted by law, Consultant shall indemnify, defend (with counsel acceptable to the City) and hold harmless City and any Indemnified Parties from and against any and all losses, claims, damages, costs and liability arising out of or resulting from the performance of this Agreement by Consultant, its officers, employees, agents, volunteers, subcontractors or sub-consultants, excepting only liability arising from the sole negligence, active negligence or willful misconduct of City. Liabilities subject to the duties to defend and indemnify include, without limitation, all claims, losses, damages, penalties, fines, and judgments; associated investigation and administrative expenses; defense costs, including but not limited to reasonable attorneys' fees; court costs; and costs of alternative dispute resolution.~~

~~C. In the event that Consultant or any employee, agent, sub-consultant or subcontractor of Consultant providing services under this Agreement is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents, sub-consultants or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of City.~~

~~D. The review, acceptance or approval of the Consultant's work or work product by any Indemnified Party shall not affect, relieve or reduce the Consultant's indemnification or defense obligations. The provisions of this Section are not limited by and do not affect the provisions of this contract relating to insurance.~~

~~E. Acceptance by City of insurance certificates and endorsements required under this Agreement does not relieve Consultant from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply to any damages or claims for damages whether or not such insurance policies shall have been determined to apply.~~

~~F. By execution of this Agreement, Consultant acknowledges and agrees to the provisions of this Section and that it is a material element of consideration, and that these provisions survive the termination of this Agreement.~~

(18) Indemnification for Specified Licensed Professionals

A. To the fullest extent permitted by law, the Consultant shall (1) immediately defend and (2) indemnify the City, and its directors, officers, and employees from and against all liabilities regardless of nature or type that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, or its employees, agents, or subcontractors. Liabilities subject to the duties to defend and to indemnify include, without limitation, all claims, losses, damages, penalties, fines, and judgments; associated investigation and administrative expenses; defense costs, including but not limited to reasonable attorneys' fees; court costs; and costs of alternative dispute resolution. The Consultant's obligation to indemnify applies unless it is finally adjudicated that the liability was caused by the sole active negligence or sole willful misconduct of an indemnified party. If it is finally adjudicated

that liability is caused by the comparative active negligence or willful misconduct of an indemnified party, then Consultant's indemnification obligation shall be reduced in proportion to the established comparative liability.

B. The duty to defend is a separate and distinct obligation from Consultant's duty to indemnify. Consultant shall be obligated to defend, in all legal, equitable, administrative, or special proceedings, with counsel approved by the City, the City and its directors, officers, and employees, immediately upon tender to Consultant of the claim in any form or at any stage of an action or proceeding, whether or not liability is established. An allegation or determination that persons other than Consultant are responsible for the claim does not relieve Consultant from its separate and distinct obligation to defend under this section. The obligation to defend extends through final judgment, including exhaustion of any appeals. The defense obligation includes an obligation to provide independent defense counsel if Consultant asserts that liability is caused in whole or in part by the negligence or willful misconduct of the indemnified party. If it is finally adjudicated that liability was caused by the comparative active negligence or willful misconduct of an indemnified party, Consultant may submit a claim to the City for reimbursement of reasonable attorneys' fees and defense costs in proportion to the established comparative liability of the indemnified party.

C. The review, acceptance or approval of the Consultant's work or work product by any indemnified party shall not affect, relieve or reduce the Consultant's indemnification or defense obligations. This Section survives completion of the services or the termination of this contract. The provisions of this Section are not limited by and do not affect the provisions of this contract relating to insurance.

D. Notwithstanding the foregoing or any other provision to the contrary, Consultant shall not be required to provide a defense to City for Claims of a professional nature as defined in Consultant's professional liability policy, except that this shall not affect the Consultant's obligation to pay reasonable attorney's fees as part of Consultant's indemnity obligation to City, nor shall it affect Consultant's duty to defend City if such a defense is available under any of Consultant's other insurance policies.

(21) Termination

A. City may terminate this agreement at its sole discretion at any time prior to completion by the Consultant of the services required hereunder. Notice of termination of this agreement shall be given in writing to the Consultant, and shall be sufficient and complete when same is deposited in the United States Mail, postage prepaid and certified, address as set forth in the first paragraph of this agreement. The agreement shall be terminated upon receipt of the Notice of Termination by the Consultant. If the City should terminate this agreement, the Consultant shall be compensated for all work performed prior to the time of receipt of cancellation notice, and shall be compensated for materials ordered by the Consultant or his employees, or services of others ordered by the Consultant or his employees, prior to receipt of notice of cancellation whether or not such materials or final instruments of services of others have actually been delivered, provided that the Consultant or his employees are not able to cancel such orders for materials or services of others. Compensation for the Consultant in the event of cancellation shall be **reasonably** determined by City in accordance with percentage of project completed and agreed to by the Consultant. In the event of cancellation, all notes, sketches, computations, drawings, and specifications or other data, whether complete or not, remain the property of the Consultant. The City may, at its own expense, make copies or extract information from any such notes, sketches, computations, drawings, and specifications, or other data whether complete or not.

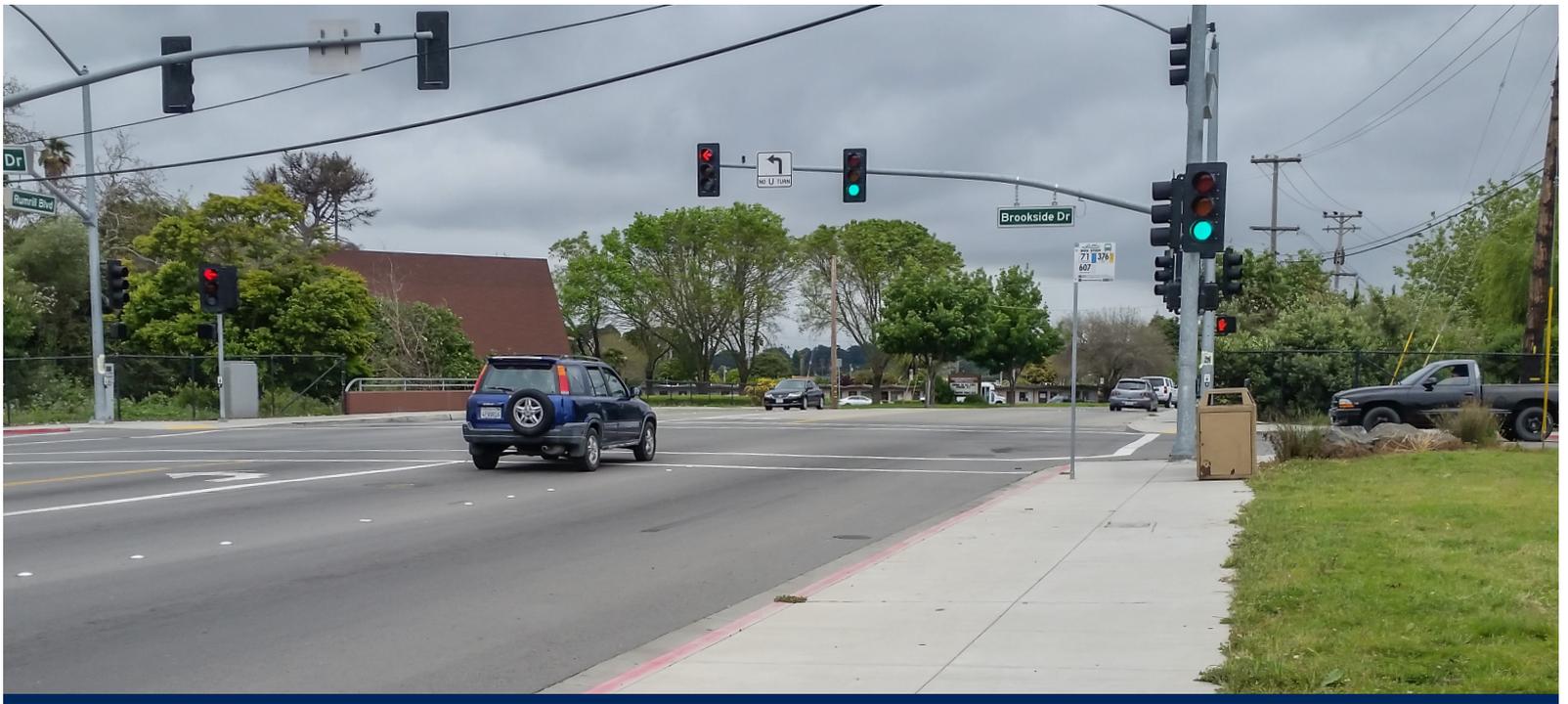
B. Termination for Cause. City may terminate this agreement for cause by providing Consultant with one day's written notice of such termination should Consultant violate any of the terms and conditions of this agreement. In City's **reasonable** discretion ~~and at City's option~~, such termination for cause may alternatively be accomplished, where Consultant fails to perform any of the obligations required of Consultant within the time and in the manner provided for under the terms of this agreement, within seven days after receipt from the notice of such default. Upon City's termination of this agreement for cause, City reserves the right to complete the work by whatever means City deems **expedient reasonable** and the **reasonable** expense of completing such work, as well as any and all damages to the extent caused by the negligent acts, intentional acts or errors or omissions of the Consultant, shall be charged to the Consultant.

(23) Ownership of Materials.

Any and all documents, including draft documents where completed documents are unavailable, or materials prepared or caused to be prepared by Consultant pursuant to this agreement shall be the property of the City at the moment of their completed preparation. All materials and records of a preliminary nature such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this agreement, shall be made available, upon request, to City at no additional charge and without restriction or limitation on their use consistent with the intent of the original design. **Documents prepared by the Consultant are not intended, nor represented, to be suitable for reuse or modification by the City.**

(31) Breach

In the event that Consultant fails **materially** to perform any of the services described in this agreement or otherwise **materially** breaches the agreement, City shall have the right to pursue all remedies provided by law and equity. Neither payment by the City nor performance by Consultant shall be construed as a waiver of either party's rights or remedies against the other. Failure to require full and **reasonably** timely performance of any provision, at any time, shall not waive or reduce the right to insist upon complete and **reasonably** timely performance of such provision thereafter. Any litigation involving this Agreement or relating to the work shall be brought in Contra Costa County, and Consultant hereby waives the removal provisions of Code of Civil Procedure Section 394.



SUBMITTED TO:

**RONALYN NONATO
& AMANDA BOOTH**

CITY OF SAN PABLO
13831 SAN PABLO AVENUE, BUILDING 3
SAN PABLO, CA 94806
(510) 215-3060

SUBMITTED BY:

Michael Baker
INTERNATIONAL

ONE KAISER PLAZA, SUITE 1150
OAKLAND, CA 94612
PHONE: (510) 879-0950
TF: (800) 553-1153
WWW.MBAKERINTL.COM

Exhibit B:

Updated Cost Proposals and Scope

03 | PROJECT APPROACH AND SCHEDULE OF WORK

Michael Baker's project manager Darcy Kremin will be the point of contact for the City and will oversee and monitor all aspects of the work including the budget, schedule, and scope of work. The leads for the various categories of work, as shown on our organizational chart, will be the technical leads for their specific tasks. Our project director will provide guidance to our project manager as needed and will help ensure that the proper type and amount of staff resources are made available for each project.

Our project manager will communicate status to the City via regular check-in meetings at a frequency agreed upon between the City and Michael Baker, depending on the amount of the work occurring at any given time.

Michael Baker staff will regularly coordinate and communicate with City staff via telephone, memos, and/or email. Management and administration include activities such as project accounting and oversight, ongoing coordination and scheduling of meetings, preparation of meeting notes, and related activities.

Because of our proximity and the depth of local staffing resources, we are equipped to support the City to make the project a success. We excel at moving swiftly and with great effectiveness. Therefore, if a last-minute meeting arises, we can be there quickly to find solutions and move the project forward.

Approach to Environmental Services

CEQA and NEPA Process Goals

Michael Baker sees CEQA and NEPA as part of the process for successful project completion and not as hurdles that must be overcome. We will bring this approach to the table through our interactions with the City, stakeholders, and the surrounding community. Through the process we strive to clearly explain the who, what, when, and where of the environmental review to make it accessible, and not frustrating, to the general public.

Our team believes in building on existing knowledge to create better environmental documents. We see the environmental review as another opportunity to develop the public's understanding of CEQA and NEPA, improve the project, and ultimately protect the environment in the process. We understand the importance of clearly explaining the process, limitations, and possibilities to the community.

Overall Work Approach

Communication

The Michael Baker team will provide regular updates to City staff so that there is seldom a question of where the project is in "the process." Regular meetings, conference calls, and update memoranda ensure that the project team is moving forward and that issues get resolved quickly. We usually schedule regular conference calls, email agendas, and assign follow-up tasks based on information exchanged during the calls. The status of the project schedule and budget is reviewed on every call, and memorandum summaries of the calls are emailed to all participants. On a recent project in the Bay

*Michael Baker believes in **helping our clients** get through the CEQA and NEPA process—not in expanding our scope and budget. Our team also believe in providing **succinct documents** that are easy to read and help decision-makers do just that—make decisions.*

CEQA/NEPA Process Goals:

- *Accessible*
- *Concise*
- *Not a hurdle but an opportunity*
- *Fortify role in the community*

Our team uses use online conference capabilities through WebEx to share our screens when needed, so we can all be "in the same room".

Area, this method of coordination and communication helped the city to certify an EIR and gain approval for a major distribution center in a nine-month time frame.

Our Thoughts

We approach every project with two key thoughts. First, we are not paid by the word. Adding words and technical reports that truly do, but do not precisely, address the issue will not help if the project is challenged. Excessive text increases the likelihood of inconsistencies, and making a mosaic of reports adds to confusion for the reviewer and becomes a nightmare when preparing the administrative record. Certainly, the environmental document needs to be technically accurate and of sufficient length to address relevant issues, but above all, it must be clear and concise. There is always value in reviewing existing documents, but if they do not pertain to the project, the issue, or the impact, they should be left out of the final product. A lengthy list of references is not a surrogate for a properly prepared technical study that actually addresses the issue.

Second, we remind ourselves that the environmental document and associated technical studies are not the project. The environmental documentation is only one piece of information presented before taking action on the project. The environmental documentation must accurately reflect the project and provide a clear recommendation for the decision-making body. Conditions of approval, design aspects of the project, and other information will affect discussion of the project, but if the information does not address an environmental issue, it must be left out of the environmental document.



This sounds simple, but many people will want the environmental document to make the decision for them, include information that is not relevant, or have the environmental document support the project. They may be indignant if the document does not support their decision or include their mitigation ideas. The environmental document should remain an objective informational document that analyzes and solves environmental impacts anticipated for the project.

The Michael Baker team maintains our own accounting department, with an accounting staff person assigned to each project. Weekly budget reports are provided to the project management team to provide up-to-date status of staff hours and budget status. Our software allows the manager to determine the budget and work effort on a weekly or even daily basis if necessary. As part of our coordination efforts, we will review the budget and discuss any scope changes or new information that emerges as the project develops.

Quality Control

To ensure document quality, our team conduct the following steps:

1. Senior technical staff reviews all technical reports and analyses by topic (e.g., biological resources director and senior traffic engineer) for technical accuracy and completeness.
2. After technical sections are approved by senior staff, they are reviewed by the project management team for accuracy in addressing the project specifics, meeting client expectations, and compliance with the scope of work.
3. Following project management review, technical sections are reviewed by our senior environmental quality control staff, who review for adequacy associated with current case law and as a set of “clean eyes” since this staff is not directly working on the project.
4. Final review is completed by our technical editor, who checks for consistency in use of terms, facts, references, grammar, spelling, and document format.

Michael Baker will provide electronic copies of all technical reports relied upon for the analysis. All web-ready documents will be compliant with the Americans with Disabilities Act.

Because the Michael Baker team is known for being an extension of staff and for facilitating group meetings, we will ensure a collaborative but independent analysis. It is imperative that the technical studies evaluate the whole of the project (on- and off-site impacts) as well as all project features. It is also essential that the resulting report describe the impacts of the project included in the environmental document. We ensure references are actually needed and accessible should the document be challenged. We also ensure any mitigation measures are both reasonable and within the capabilities of the agency to implement.

Staying on Track

From our experience working in similar communities, we identified two potential challenges that the City may encounter during project approval: a challenging work environment and a sudden change of course in the CEQA/NEPA compliance process. We believe that our team of seasoned professionals will be able to steer any projects back on course through thoughtful interactions and transparency with both the City and the community.

Michael Baker believes in the writing and use of succinct, clear documents to alleviate confusion, enhance understanding, and foster timely project completion.

Ability to Meet Schedules

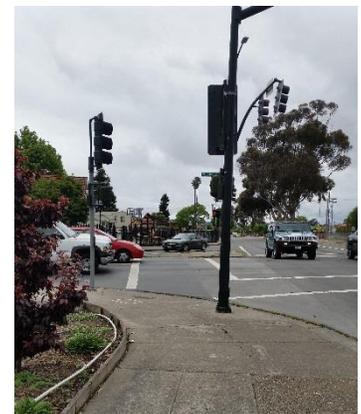
As described above, we believe in succinct and well-written documents that minimize rounds of comments and delays. Our team understands that delays can happen and we adjust to accommodate them. For example, we are working on a project where the CEQA strategy changed midway through our task for the Oakland Unified School District. Our initial scope of work was for a Categorical Exemption to complete CEQA clearance for redevelopment of a district high school. Nonetheless, we had to switch gears and prepare a focused EIR due to potential project impacts on historical resources. The school district project demonstrates our ability to change course as needed and to restart a project in an expedited manner even after long delays.

Scope of Work

Task 1. Traffic Operations

Michael Baker will use information contained in the Rumrill Boulevard/13th Street Complete Streets Study to summarize the operational impacts of the Preferred Concept Plan. The operational analysis study will evaluate the operational characteristics of the various travel modes including vehicular, pedestrian, bicycle, and transit. While the previous study concentrated on existing conditions along the corridor both without and with the project, this study will evaluate, in a more qualitative manner, the likely change in operational characteristics over the long term with conditions approaching buildout of the city. The scope of this work does not include any new data collection or detailed traffic forecast. A technical memorandum will be prepared that documents the operational impacts of the project.

Our team will meet with the City to discuss the anticipated construction phasing plan for the project and the general measures that will be taken to construct the project improvements. The project construction plan will ultimately identify work zone locations for each construction phase and will include measures for maintaining traffic circulation during construction. The construction activities will likely result in temporary travel lane closures and may include periodic full street closures. A second type of construction impact will be related to the construction vehicles used to complete the work, such as construction worker vehicles and trucks involved in hauling dirt, water, and other construction materials. We will use information provided by the City to document the expected construction impacts on traffic operations and property access.



Michael Baker will review the bicycle facilities proposed in the Preferred Concept Plan and compare them to the bicycle facilities and bike routes identified in the San Pablo Bicycle and Pedestrian Plan. We understand that the City is currently updating this plan, so we will review the consistency of the Preferred Concept Plan with the new proposed Bike Plan and Bicycle Network. A technical memorandum will be prepared that documents the findings of the consistency assessment.

Task 2. Air Quality Conformity

Michael Baker will prepare an air quality technical memorandum based on the traffic analysis (see Task 1). We will describe regional air quality and local air quality, based on existing data and information provided by the City. We will also describe meteorological conditions in the project vicinity that could affect air pollutant dispersion or transport. However, field monitoring of meteorology and pollutant emissions is not anticipated to be required and has not been included in this scope.

Primary pollutants of concern in the San Francisco Bay Area Air Basin, which encompasses the project site, include ozone, particulate matter (PM), and toxic air contaminants. Our scope will focus on all pollutants, but we will pay particular attention to PM_{2.5}. The project may contribute to air pollutant emissions from construction activities. The air quality analysis will be based on methodologies and thresholds of significance recommended by the Bay Area Air Quality Management District (BAAQMD), including those documented in BAAQMD's CEQA Air Quality Guidelines.

Our analysis will identify the BAAQMD's thresholds for both construction source emissions (including all grading, demolition, and construction activities) and emissions associated with long-term operation as compared to existing emissions from current uses. We will quantify air quality pollutant emissions and compare them to the BAAQMD's recommended significance thresholds using the CalEEMod computer program and to publish emissions factors obtained from the US Environmental Protection Agency and the California Air Resources Board. Construction-related and operational impacts on air quality will be significant and subject to mitigation if the project results in emissions that exceed the BAAQMD's recommended significance thresholds.

Our team will discuss the project's contribution to regional air quality impacts, in accordance with BAAQMD procedures for determining consistency with the BAAQMD's Clean Air Plan, the applicable air quality management plan for the San Francisco Bay Area Air Basin. We will also identify applicable air pollution control measures contained in the Clean Air Plan.

This scope does not include a health risk assessment because of the small scale of the project. We also anticipate localized concentrations of odorous emissions to be minor and will qualitatively discuss them.

Michael Baker will assess the project's cumulative contribution to local and regional air quality impacts in accordance with the BAAQMD's recommended methodologies based, in part, on the project-specific impact analyses and consistency with air quality attainment and maintenance efforts that will reference the analysis and conclusions of applicable regional and local plans. Any additional impacts beyond what was anticipated under the applicable regional and local plans will be identified and additional mitigation measures developed. This information will be used to complete the CEQA analysis (see Task 12 below).

Task 3. Hazardous Waste

In accordance with ASTM E1527-13, WRECO will prepare a Phase I Environmental Site Assessment (Phase I ESA) and, if necessary, a Technical Memorandum or Phase II Investigation (Phase II) for the project. The Phase I ESA will provide the basis for determining the need for further investigation into the potential hazardous material impacts at the site and support for CEQA and NEPA findings and to help the City fulfill its NPDES permit C.3.j.ii requirement of early implementation of green infrastructure projects.

The purpose of an ESA is to evaluate the subject properties for the presence of Recognized Environmental Conditions (RECs) and/or Activity and Use Limitations, which are listed in the ASTM International, E-1527-13. Exceptions in the Phase I standard include: 1) no title searches or property appraisals will be performed for the subject property and vicinity, and 2) no direct interviews of the owners of the subject parcels except for City staff will be performed.

WRECO will conduct a field reconnaissance to assess the existing conditions in the vicinity of the project site. During the site visit, WRECO will identify any readily observable indications of RECs within the project limits. Items to look for will be stained ground (both paved and unpaved), unlabeled drummed materials, wastes and garbage piles in direct contact with the ground, transformers, painted metal, treated lumber such as utility poles, monitoring wells, and other indications of potential RECs. The visual observations will be compared to the historic data and EDR database findings for multiple confirmation data points to make a determination of the potential presence of RECs.

WRECO will perform a regulatory records search and GIS screening of the project corridor using the following sources to develop project segments of similar risk to the proposed project activities:

- Environmental Data Resources 1-Mile Radius Report Search
- Department of Toxic Substances Control (DTSC) EnviroStor database
- State Water Resources Control Board Geotracker database

Additional GIS screening will be performed for the following risks:

- Aerially deposited lead
- Naturally occurring asbestos (NOA)
- Asbestos containing materials
- Lead-based paint
- Drycleaners
- Polychlorinated biphenyls-containing transformers
- Treated wood
- Roadway striping
- Asphalt grindings

Particular focus during the records search will be placed on screening the following eight current or former regulated cleanup sites (Table 1), and determining whether these sites pose a continuing risk for the proposed activities along the project corridor.

TABLE 1. STATE REGULATED CLEANUP SITES

<i>Site Name</i>	<i>Location</i>	<i>Potential Concerns</i>
Five Star Cleaners	2145 Rumrill Blvd. San Pablo, CA 94806	Open RWQCB Remediation Pollutants of Concerns Include: Perchloroethylene (PCE) Trichloroethylene (TCE), Vinyl Chloride
Craig Property	2600 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Diesel, Gasoline, Waste Oil
Former BNSF Property	Rumrill Blvd. at Chelsey Avenue San Pablo, CA 94806	Closed DTSC Voluntary Cleanup Site with land use restrictions. Pollutants of Concerns Include: Lead Polychlorinated Biphenyls (PCBs) Polynuclear Aromatic Hydrocarbons (PAHs) TPG-Motor Oil, Dieldrin
Lee Property	1801 Rumrill Road San Pablo, CA 94553	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Diesel and Gasoline
Chevron	1820 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Gasoline
Jackpot	1405 Rumrill Blvd. San Pablo, CA 94806	Closed RWQCB LUST Cleanup Site Pollutants of Concerns Include: Gasoline
CertainTeed	1014 Chesley Avenue Richmond, CA 94804	Open RWQCB Monitoring Site; Closed EPA Cleanup Site Pollutants of Concerns Include: PCBs

<i>Site Name</i>	<i>Location</i>	<i>Potential Concerns</i>
		The City has detected PCBs in soil (at levels between 1,000-5,000 µg/kg) at storm sewer inlets within the public right of way in the Rumrill neighborhood adjacent to 1411 Rumrill Boulevard.
Campbell Property	1070-1078 13th Street Richmond, CA	Closed RWQCB Cleanup Site <i>Pollutants of Concerns Include:</i> Diesel, Gasoline, Stoddard Solvent

WRECO will develop the project segments and assign risks to each segment taking into consideration both the findings in Section A and B, and the soil or groundwater disturbance proposed by the project. The project is anticipated to have limited contact with groundwater thereabout the project corridor.

WRECO will perform site reconnaissance survey for obvious indicators of hazardous wastes or hazardous conditions, and potential current and historic polluting land uses. The surveys will focus on confirming segment risk designations made by GIS screening.

WRECO will prepare a Phase I ESA Report or a Phase I ESA Memorandum recommending consolidating the Phase I or Phase II studies into one study. The stand-alone Phase I ESA Report will include the following:

- Results of the literature review, visual site reconnaissance, and findings.
- Summary of project segment screening results, including criteria used to classify segments.
- Recommendations for further study, if required.

Task 4. Water Quality

Michael Baker will develop a technical memo on construction best management practices (BMPs) based on the proposed improvements within the project study area. We will determine the potential impacts to water quality based on construction techniques and develop a preliminary list ~~and plan view~~ of potential construction BMPs. The technical memo will include fact sheets for each potential BMP as developed by Caltrans.

~~WRECO will perform QA/QC and a technical review of the memo prior to the project team's submittal to the City and Caltrans review and comment.~~

Task 5. Floodplain

~~Michael Baker will prepare a technical memorandum describing current drainage features, flooding conditions, and City standards, policies, and requirements related to storm drainage and flooding. We will address Caltrans' comments and suggest BMPs to limit or reduce potential flood issues, as appropriate.~~

Location Hydraulic Study

~~Michael Baker engineering staff will prepare a location hydraulic study and summary floodplain encroachment report for the proposed improvements. The project encroaches on a one (1) percent annual chance floodplain caused by channel and overbank flows from San Pablo and Wildcat Creeks along Rumrill Boulevard from approximately Dover Avenue to the south to Rumrill Road to the north. We will obtain the effective hydraulic model for San Pablo and Wildcat Creeks, revise the model to represent project improvements, and determine the impacts to the floodplain from the proposed alternatives.~~

~~Michael Baker will perform a site reconnaissance of the project site to assist in the development of the hydraulic model by determining flow patterns and determining parameters such as Manning's 'n'.~~

Hydrologic Analysis

~~Michael Baker will determine the peak 50 year and 100 year flows for the project site using at least two sources of data. We will develop an existing and proposed condition hydraulic model of San Pablo and Wildcat Creeks within the project site. It is assumed~~

~~an existing conditions model will be available from the City or FEMA. The proposed conditions model will be developed from proposed improvements within the project study area. From the hydraulic analysis, we will determine the impacts of the proposed project on the existing floodplain.~~

Location Hydraulic Study

~~Our team will prepare the location hydraulic study, including a summary floodplain encroachment report. The study will document the results of hydraulic modeling and determine the impacts to the floodplain from the proposed project. The location hydraulic study will include:~~

- ~~▪ National Flood Insurance Program (NFIP) maps of the study area~~
- ~~▪ Evaluation and discussion of the practicability of alternatives to any longitudinal encroachments~~
- ~~▪ Discussion of the following items, commensurate with the significance of the risk or environmental impact, for all alternatives containing encroachments and for those actions which would support base floodplain development:~~
 - ~~• The risks associated with implementation of the action.~~
 - ~~• The impacts on natural and beneficial floodplain values.~~
 - ~~• The support of probable incompatible floodplain development.~~
 - ~~• The measures to minimize floodplain impacts associated with the action.~~
 - ~~• The measures to restore and preserve the natural and beneficial floodplain values impacted by the action.~~
 - ~~• Evaluation and discussion of the practicability of alternatives to any significant encroachments or any support of incompatible floodplain development.~~

~~WRECO will provide QA/QC for the floodplain evaluation report, including the technical information from the location hydraulic study and floodplain evaluation report summary form to document the investigation and determine the specific impacts to the floodplain. WRECO will provide comments to the project team in a technical memorandum.~~

Task 6. Biology

WRECO will conduct a field reconnaissance to assess the existing conditions in the project vicinity. WRECO will perform research and compile online database lists of special-status species from the following sources:

- US Fish and Wildlife Service (USFWS), National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB), and California Native Plant Society (CNPS).
- Existing peer-reviewed literature, environmental documents, etc.

WRECO will then conduct a reconnaissance-level site visit to determine what biological resources and special-status species habitat may be present. WRECO will prepare a biological resources technical memorandum evaluating all observed biological resources and make recommendations regarding any resource agency permits that may be necessary. The technical memorandum will be in the Caltrans Natural Environment Study–Minimal Impacts (NES-MI) format and will include levels sufficient to satisfy NEPA and CEQA.

Task 7. Section 4(f)

Because the project will require improvements in Rumrill Sports Park, we will use a Section 4(f) programmatic evaluation to receive a concurrence letter from FHWA. We believe the project fits within the programmatic evaluation for an independent bikeway or walkway project, and therefore will not need an individual evaluation. We will provide a draft programmatic evaluation for the City's review and approval, and help the City through the process to receive a concurrence letter from FHWA.

Task 8. Visual

Michael Baker will examine the visual changes from tree removal along the corridor, and ~~create a visual simulation of the project after landscaping has matured (within 10 years of project completion date). We will~~ summarize the changes in a memorandum for the City's review and approval.

Task 9. Community

Using the preferred concept plan, Michael Baker will catalogue existing on-street parking and analyze how parking will be impacted after construction is complete. We will prepare a technical memorandum to describe the loss of on-street parking spaces in tabular form for the City's review. Once the memorandum is finalized, we will organize and facilitate one community meeting to discuss these findings. Since the businesses are most likely to be concerned about the loss of on-street parking, we recommend the meeting be held in a local business or the Chamber of Commerce building. We will work with City staff to determine the most appropriate time and location for the meeting and will prepare flyers in English and Spanish for distribution in hard copy and uploading to the City's website and other social media platforms. Once the City approves the flyer, Michael Baker will provide 100 copies of the community flyer in English, and 100 copies in Spanish for distribution.



Task 10. Equipment Staging

Michael Baker will prepare a technical memorandum based on our assessment of opportunity sites for staging equipment during construction. We will estimate the equipment needed and the amount of materials during construction, and recommend how much and how many equipment staging areas will be needed.

Task 11. Cultural Resources

Caltrans has indicated in the Preliminary Environmental Study (PES) and in the September 20, 2016, Section 106 Memo for the project that a Historic Property Survey Report (HPSR), Archaeological Survey Report (ASR), and Area of Potential Effects (APE) are required. In addition, because an archaeological district, which is a historic property, is within the APE, additional studies will be required. These additional studies, per the City's RFP addendum No. 1, include an Extended Phase 1 Proposal and Report (XPIP/R). Our scope includes the completion of the HPSR, ASR, APE, XPIP/R and Assembly Bill (AB) 52 consultation (see Task 12). Archaeological resources will be identified on the APE map and in the ASR and XPIP/R; the HPSR is the document that summarizes cultural resources technical studies. All of these documents will be submitted concurrently to increase efficiency.

Michael Baker will conduct cultural resources studies needed for the City and Caltrans to address requirements of Section 106 of the National Historic Preservation Act (NHPA), NEPA, CEQA, and the *Caltrans 2014 First Amended Programmatic Agreement Among The Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance With Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California*.

Portions of a historic property that is a National Register-nominated prehistoric archaeological district and associated National Register-eligible prehistoric archaeological site are within the APE. Archaeological excavation will be completed to determine if the project will affect the historic property. We are proposing hand excavation of auguring and shovel test pits within the boundary and adjacent to the historic property to a depth that is consistent with the depth of the project. If the historic property is within the APE, additional documentation may be required.

Michael Baker will conduct a records search at the Northwest Information Center. The records search will identify previously recorded or otherwise known cultural resources and previous cultural resources studies within or adjacent to the study area. We will complete a review of cultural resource inventories to identify cultural resources that may be listed within or adjacent to the study area. If

available, appropriate City listings will be reviewed. We will perform background research and a literature review, consisting of a review of archaeological, ethnographic, historical, and environmental publications and maps at historical archives. The background research will identify previously recorded or otherwise known cultural resources.

Michael Baker will assist Caltrans with meeting Native American consultation requirements pursuant to Section 106 of the NHPA. We will contact the Native American Heritage Commission in Sacramento for a review of the sacred lands file to determine if the study area contains any known sacred lands, and a list of Native American contacts who may have concerns about the project in the study area. On behalf of Caltrans, we will send invitations to begin Section 106 consultation letters to Native American contacts and follow-up calls will be made. If meetings or additional consultations are required, a budget augment will be prepared. Caltrans District 4 support sending combined AB 52/Section 106 letters, which increases efficiency for this task.

Our team will contact the San Pablo Historical Society for any information or concerns it may have about the project in the study area. We will complete an archaeological survey and excavation of the study area including three days of hand excavation within and adjacent to the historic property within the APE. We will consult with Caltrans Professionally Qualified Staff to determine if additional studies will be required.

We assume notice to proceed on all tasks simultaneously; the City will gain right of entry on parcels requiring archaeological excavation; Native American monitor(s) will not be monetarily compensated; one in-person meeting with one tribe; no built environment resources requiring evaluation; and no more than 20 hours required for response to Caltrans and City comments.

Task 12. CEQA Document

We will prepare a draft Initial Study using the current Environmental Checklist Form in Appendix G of the CEQA Guidelines and the findings of technical studies in Tasks 1-6 and 8. The Initial Study will consist of a project description, CEQA environmental checklist, discussion of environmental issues, and references and will be formatted consistent with the City's preferred format.

The Initial Study will include a brief discussion of each issue item in the Environmental Checklist, with a more thorough analysis given to those items that could result in potentially significant impacts. We will also identify current City standards and specific mitigation measures that are required to reduce adverse impacts to less than significant levels. The analyses from the General Plan Update EIR and the San Pablo Specific Plan EIR will be used to tier and streamline the analysis of this project. The draft Initial Study will be prepared and provided to the City for review and discussion intended to determine the appropriate environmental document (anticipated to be an MND).

While all of the environmental issue areas below will be addressed, agricultural and forestry resources, land use and planning, mineral resources, population/housing, public services, and utilities/service systems will be identified as "no impact" given the specific nature of the project.

- Aesthetics
- Agricultural and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology/Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population/Housing
- Public Services
- Recreation
- Utilities/Service Systems
- Traffic and Circulation
- Tribal Cultural Resources

Five hard copies and an electronic version in Word and PDF of the draft Initial Study will be provided to the City for review and comment.

Michael Baker will meet with City staff to go over the results of the draft Initial Study and answer any questions regarding the analysis conclusions as well as identify any changes to the Initial Study.

The draft Mitigated Negative Declaration will be based on the draft Initial Study (IS/MND) and will incorporate all City edits and comments. A screencheck draft of the IS/MND will be prepared for final review by the City prior to release. Upon final approval, Michael Baker will generate 20 hard copies and electronic copies (five CDs) of the IS/MND for City distribution. This task will also include preparation of the Notice of Intent. We will submit the NOI to the State Clearinghouse on behalf of the City with the Notice of Completion.

At the end of the public comment period for the IS/MND, we will provide the City with a technical memorandum responding to any written comments received on the document. Michael Baker staff will also attend up to two public meetings on the project and will assist in the preparation of CEQA findings for the MND.

Michael Baker will prepare the Notice of Determination for the City as well as the Mitigation Monitoring Program for adoption should mitigation measures be identified.

In addition, Michael Baker will assist the City with meeting Native American consultation requirements pursuant to AB 52. In coordination with the City, prepare and send initial consultation letters, on behalf of the City, to tribes that have requested notification (assuming fewer than five tribes) and complete consultation log. This scope does not include meetings or additional consultation.

Task 13. NEPA Document

We will prepare an administrative draft EA for City review and comment. An electronic copy will be provided in Microsoft Word. The content of the EA will be consistent with Caltrans guidelines and will include the conclusions from technical studies (Tasks 1-11). The EA analysis will include all required determinations and compliance documentation as required by applicable federal statutes, executive orders, regulations, and other factors while also being written in such a way as to be easily understandable by both the public and decision-makers.

Key components of the EA document will include:

- Discussions of the need for the proposal; alternatives to the project, including environmental impacts of the proposed action and alternatives; a summary of findings and conclusions; and a listing of agencies and persons consulted.
- A complete description of the proposal and existing conditions of the project area and its surroundings, and trends likely to continue in the absence of the project.
- Completion of Statutory Checklist with source/compliance documentation.
- Completion of Caltrans Environmental Standards Checklist with source/compliance documentation.
- Completion of Environmental Assessment Checklist with source/compliance documentation.
- Identification of mitigation measures necessary to eliminate or minimize adverse environmental impacts.
- In addition to the EA, we will provide a complete Environmental Review Record per 24 CFR 58.38. The Environmental Review Record will be in digital CD format. Michael Baker will also provide drafts of all required notices and public meeting presentation materials associated with the EA.

The EA will include the Section 4(f) programmatic evaluation (Task 7) as an appendix per Caltrans guidelines. Five hard copies and an electronic version in Word and PDF of the Draft EA will be provided to the City for review and comment.

A screencheck draft of the administrative draft EA will be prepared for the City's internal review. Michael Baker will respond to one consolidated set of comments received from City staff. Following a final review check by the City, we will prepare the final deliverables and public drafts for Caltrans review and approval.

Michael Baker will respond to comments from Caltrans and prepare a revised EA. The revised EA will be provided electronically to the City for review. Following a review by the City, we will prepare the final revised EA.

Innovations

Given our extensive history working with the City of San Pablo, we are able to provide innovations throughout the scope of work to streamline the process and help the City achieve Caltrans's mandatory timeline for successful completion of the environmental phase of the project.

To conserve costs, WRECO will consolidate the Phase I investigation with any recommended Technical Memorandum (TM) or Phase II investigations, combining the studies into one report, Phase I/TM or Phase II. During the Phase I investigation, if WRECO determines that a TM or Phase II will be required, WRECO will inform the City and request permission to combine the two studies and report the results as one joint investigation to conserve resources. WRECO has employed this approach for many clients and the associated cost savings have been already been factored into WRECO's cost proposal.

Another cost-savings approach WRECO has employed at extended roadway development or improvement projects is to use GIS-mapping techniques to assign a risk classification to each segment or phase of the project. Using GIS software and methodologies honed on large-scale Phase I screening projects, WRECO will first develop project segments delineated along boundaries enclosing areas of similar hazardous materials risk. Figure 1 below illustrates the preliminary project segmenting by risk based on WRECO's preliminary hazardous materials screening of the project corridor.

The segment-risks approach will inform the City as to whether additional investigation is warranted and determine the waste management and worker safety precautions required for each segment of the project. This will reduce the overall cost of further hazardous materials screening, narrow the scope of any subsequent investigations that may be required, and lower the cost of ultimate construction waste management and worker safety measures.

Our cultural resources group specializes in Caltrans Local Assistance projects. We have a holistic understanding of the agency review and approval process that will facilitate the aggressive schedule on this project. We have consulted with Caltrans regarding this project and the results of that consultation have influenced the scope of work. Borrowing from our strong relationships with Caltrans PQS, we are hopeful to further accelerate the schedule with short agency review times and timely approval.

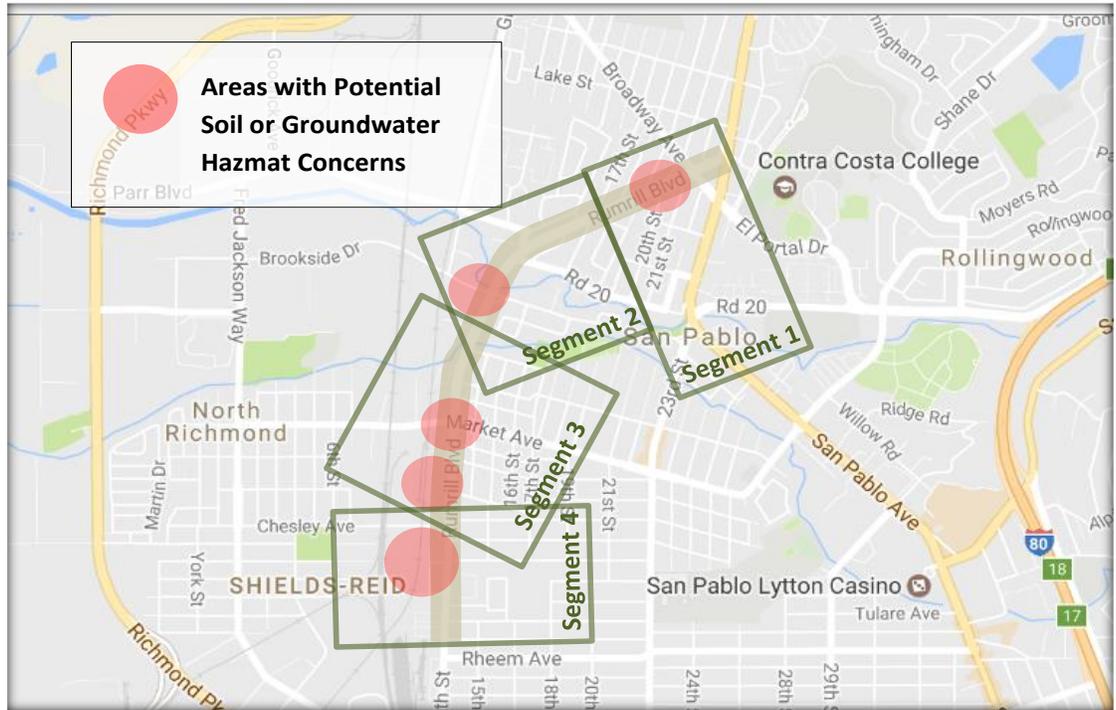


FIGURE 1. EXAMPLE PROJECT SEGMENTING

Schedule

Michael Baker has drafted a schedule that uses our innovative approach outlined above to satisfy the Caltrans and other grant funding timeline requirements. This schedule assumes a notice to proceed date after City Council has approved the contract. We believe we can achieve the environmental review for funding requirements.

<i>Task</i>	<i>Deliverable</i>	<i>Duration</i>	<i>Start Date</i>	<i>End Date</i>
0	<i>Notice to Proceed</i>	<i>1 day</i>	<i>June 20, 2017</i>	<i>June 20, 2017</i>
1	Traffic Operations	10 weeks	June 20, 2017	August 29, 2017
	Draft traffic memo	6 weeks	June 20, 2017	August 1, 2017
	City review	2 weeks	August 2, 2017	August 15, 2017
	Finalize traffic memo	2 weeks	August 16, 2017	August 29, 2017
2	Air Quality Conformity	7 weeks	August 30, 2017	October 18, 2017
	Draft air quality memo	3 weeks	August 30, 2017	September 20, 2017
	City review	2 weeks	September 21, 2017	October 4, 2017
	Finalize air quality memo	2 weeks	October 5, 2017	October 18, 2017
3	Hazardous Waste	9 weeks	June 20, 2017	August 22, 2017
	Draft Phase I ESA	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize Phase I ESA	2 weeks	August 9, 2017	August 22, 2017
4	Water Quality	7 weeks	June 20, 2017	August 22, 2017
	Draft water quality memo	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize water quality memo	2 weeks	August 9, 2017	August 22, 2017
5	Floodplain	7 weeks	June 20, 2017	August 22, 2017
	Draft floodplain memo	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize floodplain memo	2 weeks	August 9, 2017	August 22, 2017
6	Biology	11 weeks	June 20, 2017	September 5, 2017
	Draft biology memo	7 weeks	June 20, 2017	August 8, 2017

Task	Deliverable	Duration	Start Date	End Date
	City review	2 weeks	August 9, 2017	August 22, 2017
	Finalize biology memo	2 weeks	August 23, 2017	September 5, 2017
7	Section 4(f)	10 weeks	June 20, 2017	August 29, 2017
	Draft programmatic 4(f) evaluation	5 weeks	June 20, 2017	July 25, 2017
	City review	2 weeks	July 26, 2017	August 8, 2017
	Finalize programmatic 4(f) evaluation	2 weeks	August 9, 2017	August 22, 2017
	Send to FHWA for concurrence	1 week	August 23, 2017	August 29, 2017
8	Visual	7 weeks	June 20, 2017	August 8, 2017
	Draft visual assessment	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize visual assessment	2 weeks	July 26, 2017	August 8, 2017
9	Community	11 weeks	June 20, 2017	September 5, 2017
	Draft parking assessment	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize parking assessment	2 weeks	July 26, 2017	August 8, 2017
	Draft outreach flyer	1 week	August 9, 2017	August 15, 2017
	City review	1 week	August 16, 2017	August 22, 2017
	Finalize and send outreach flyer	2 weeks	August 23, 2017	September 5, 2017
	Conduct public outreach meeting	1 day	September 27, 2017	September 27, 2017
10	Equipment Staging	7 weeks	June 20, 2017	August 8, 2017
	Draft equipment staging memo	3 weeks	June 20, 2017	July 11, 2017
	City review	2 weeks	July 12, 2017	July 25, 2017
	Finalize equipment staging memo	2 weeks	July 26, 2017	August 8, 2017
11	Cultural Resources	14 weeks	June 20, 2017	September 26, 2017
	Draft cultural resources assessment	10 weeks	June 20, 2017	August 29, 2017
	City review	2 weeks	August 30, 2017	September 12, 2017

Task	Deliverable	Duration	Start Date	End Date
	Finalize cultural resources assessment	2 weeks	September 13, 2017	September 26, 2017
12	CEQA Document	15 weeks	September 28, 2017	January 15, 2018
	Draft IS/MND	3 weeks	September 28, 2017	October 19, 2017
	City review	2 weeks	October 20, 2017	November 2, 2017
	Publish IS/MND and NOI	2 weeks	November 3, 2017	November 16, 2017
	Public review period	30 days*	November 17, 2017	December 16, 2017
	Finalize IS/MND	3 weeks	December 18, 2017	January 8, 2018
	City Council adopts IS/MND	1 day**	January 15, 2018	January 15, 2018
13	NEPA Document	20 weeks	September 28, 2017	February 15, 2018
	Draft EA	3 weeks	September 28, 2017	October 19, 2017
	City review	2 weeks	October 20, 2017	November 2, 2017
	Finalize and send EA to Caltrans	2 weeks	November 3, 2017	November 16, 2017
	Caltrans reviews EA***	4 weeks	November 17, 2017	December 14, 2017
	Revise EA	3 weeks	December 15, 2017	January 4, 2018
	Caltrans reviews revised EA***	4 weeks	January 5, 2018	February 1, 2018
	Finalize EA	2 weeks	February 2, 2018	February 15, 2018

**IS/MND public review period is a minimum of 30 calendar days.*

***Per City Council calendar*

****Caltrans review time is estimated and cannot be guaranteed.*

**Rumrill Boulevard Complete Streets Project
Environmental Assessment Consulting Services
Cost Estimate**

Tasks	Managing Director	Technical Specialist	Sr. Technical Specialist	Senior Transportation Planner	Project Manager	Civil Engineer	Sr. Engineer	Senior CEQA Reviewer	Engineer / Visual Specialist	Senior Cultural Resources Mgr	Technical Specialist	Senior Planner	Senior Planner	Transportation Planner	Asst. Engineer	Tech Staff	Assoc. Planner	Assoc. Planner	GIS/ Graphics	Technical Editor	Asst Planner	Admin	Total Hours	WRECO \$	Total Budget
Tasks	\$250.00	\$203.80	\$270.60	\$188.75	\$180.01	\$162.57	\$168.78	\$163.13	\$106.18	\$125.36	\$120.60	\$121.53	\$97.85	\$111.38	\$79.88	\$90.82	\$83.03	\$78.53	\$101.73	\$82.47	\$75.24	\$55.91			
Task 1. Traffic				30	2			.						80			60			4		4	180		\$ 20,468
Task 2. Air Quality Conformity					2						24							60		4		4	94		\$ 8,520
Task 3. Hazardous Waste					2	4																	6	\$ 13,100	\$ 14,110
Task 4. Water Quality					2	2	16								24							4	48		\$ 5,526
Task 5. Floodplain	2	12			2		6												40			2	64		\$ 8,499
Task 6. Biology					2																		2	\$ 20,152	\$ 20,512
Task 7. Section 4(f)	1				4			8				8								4	24	4	53		\$ 5,607
Task 8. Visual	1				8				16		8								8				41		\$ 5,168
Task 9. Community	2			8	8			8					60	24			30		16	4		16	176		\$ 18,642
Task 10. Equipment Staging			4		2									16	16								38		\$ 4,503
Task 11. Cultural resources					4	4				170						220			10	15		15	438		\$ 45,755
Task 12. CEQA Document	2				8	2		24			8								8	8	64	8	132		\$ 13,881
Task 13. NEPA Document	4				24	2		24											8	16	80	16	174		\$ 18,608
Subtotal	12	12	4	38	70	14	22	64	16	170	40	8	60	120	40	220	90	60	90	55	168	73	1446	\$ 33,252	\$ 189,799
Direct costs*																									\$ 10,000
Total																									\$199,799

*Includes travel, records search and printing costs for flyers and env. docs

Note:

Per meeting cost **\$1,500**

Rumrill Boulevard Complete Streets - Environmental Assessment Consulting Services
City of San Pablo

Man-Hour and Fee Estimate for WRECO Tasks

Prepared by WRECO

May 23, 2017

TASK	DESCRIPTION	Raw Rate	Supervising Engineer II	Senior Environmental Scientist	Senior Biologist	Associate Biologist	Associate Engineer	Staff Engineer	Staff Environmental Scientist	Clerical / Tech Editor	TOTALS BY TASK				
			\$ 77.31	\$ 60.00	\$ 47.36	\$ 36.65	\$ 44.11	\$ 33.27	\$ 30.32	\$ 25.00	Hours	Labor Cost	OH Rate 134.97%	Fee 10%	Total
Basic Tasks															
Labor															
1	Project Management and Meetings			8	8						16	\$ 858.88	\$ 1,159.23	\$ 201.81	\$ 2,219.92
2	Data Review								12		12	\$ 363.84	\$ 491.07	\$ 85.49	\$ 940.40
3	Field Reconnaissance			4			4				8	\$ 416.44	\$ 562.07	\$ 97.85	\$ 1,076.36
4	Biological Resources Technical Memorandum														
	Draft Memorandum				16	80			16	4	116	\$ 4,274.88	\$ 5,769.81	\$ 1,004.47	\$ 11,049.16
	Final Memorandum				8	16			8	2	34	\$ 1,257.84	\$ 1,697.71	\$ 295.56	\$ 3,251.11
5	Phase I Environmental Site Assessment														
	Draft Report			16			40		40	4	100	\$ 4,037.20	\$ 5,449.01	\$ 948.62	\$ 10,434.83
	Final Report			4			6		16	4	30	\$ 1,089.78	\$ 1,470.88	\$ 256.07	\$ 2,816.73
6	Water Quality Assessment QA/QC		8								8	\$ 618.48	\$ 834.76	\$ 145.32	\$ 1,598.56
7	Location Hydraulic Study QA/QC		8								8	\$ 618.48	\$ 834.76	\$ 145.32	\$ 1,598.56
Subtotal Labor			16	32	32	96	50	0	92	14	332	\$ 13,535.82	\$ 18,269.30	\$ 3,180.51	\$ 34,985.63
Expense															
	Travel & Per Diem														\$ 115.00
	Office Misc. & Reproductions														\$ 1,500.00
Subtotal Expense															\$ 1,615.00

Total Project Tasks **\$ 36,600.63**

Optional Tasks															
Labor															
9	Field Tree Survey				24				16	2	42	\$ 1,414.72	\$ 1,909.45	\$ 332.42	\$ 3,656.59
10	Restoration Plan										0	\$ -	\$ -	\$ -	\$ -
	Draft Plan				16	16		16		2	50	\$ 1,926.48	\$ 2,600.17	\$ 452.67	\$ 4,979.32
	Final Plan				4	4		4		2	14	\$ 519.12	\$ 700.66	\$ 121.98	\$ 1,341.76
11	Technical Memorandum or Phase II ESA														
	Draft Report			16			48		48	2	114	\$ 4,582.64	\$ 6,185.19	\$ 1,076.78	\$ 11,844.61
	Final Report			4			16		16	2	38	\$ 1,480.88	\$ 1,998.74	\$ 347.96	\$ 3,827.58
Subtotal Labor			0	20	20	44	64	20	80	10	258	\$ 9,923.84	\$ 13,394.21	\$ 2,331.81	\$ 25,649.86
Expense															
	Travel & Per Diem														\$ 200.00
	Office Misc. & Reproductions														\$ 100.00
	Laboratory Costs														\$ 7,000.00
Subtotal Expense															\$ 7,300.00

Total Optional Tasks **\$ 32,949.86**

Total Project Cost **\$ 69,550.49**

Exhibit C:

City of San Pablo Request for Proposal- Environmental Assessment
Services, Addendum 1 and Addendum 2



REQUEST FOR PROPOSALS

**For: CITY OF SAN PABLO
RUMRILL BOULEVARD COMPLETE STREETS
ENVIRONMENTAL ASSESSMENT CONSULTING SERVICES**

Release Date: April 12, 2017

Closing Date: May 15, 2017 5:00PM

Contact Person: Amanda Booth, Environmental Program Analyst

IT IS THE RESPONSIBILITY OF PROSPECTIVE PROPOSERS TO CHECK THE CITY WEBSITE FOR ANY FUTURE ADDENDUMS TO THIS RFP

INTRODUCTION

The City of San Pablo (the City) seeks a qualified consultant or consultant team to prepare the required environmental reports and assessments for CEQA/NEPA clearance for the:

Rumrill Boulevard Complete Streets Project,
from San Pablo Avenue to the San Pablo City limits
RUM-CST, ATPL-5303 (017) Rumrill Boulevard

San Pablo is a small mostly residential city in West Contra Costa County. The City was incorporated in 1948 and has a population of approximately 30,000. The area of the City is approximately 2.5 square miles. The City has a very diverse ethnic makeup. Household income levels are below Bay Area averages. Contra Costa Community College, Helms Middle School and five elementary schools serve local and regional education needs. Commercial interests in the City include Casino San Pablo, several grocery stores, auto repair, restaurants and many other small businesses. San Pablo Creek, Wildcat Creek and Rheem Creek cross through the City, as does Interstate 80. San Pablo Avenue, San Pablo Dam Road, El Portal, Rumrill Boulevard and 23rd Street are the major arterial streets. The City limits abut Alvarado Park of the East Bay Regional Parks.

The Rumrill Boulevard Complete Streets Project (Project) will improve the length of Rumrill Boulevard, approximately 2 miles, in the City of San Pablo. The Rumrill Boulevard/13th

Street Final Complete Streets Study (Rumrill Complete Streets Study), included as **Attachment 1**, was commissioned to consider options for improving Rumrill Boulevard for all road users. This study, which was finalized in September 2015, developed a project scope and preliminary plans of improvements (It should be noted that the original scope included improvements on 13th Street in the City of Richmond; the scope has since been modified to include only improvements on Rumrill Boulevard in the City of San Pablo).

The project proposes to modify Rumrill Boulevard to add Class II and Class IV bikeways or cycle tracks in both directions of travel, while reducing the number of vehicle travel lanes in both directions and adding left turn pockets along the corridor. Related improvements include landscaped buffers, parking protection and striped buffers including potential physical barriers such as landscaping and curbing. In addition, the Project will also include crosswalk improvements, bus shelters, traffic signal modification, an additional traffic signal, lighting improvements, concrete improvements (curb ramps, sidewalk, driveways, median), flashing beacons, storm drainage improvements including green infrastructure and landscaping improvements. Undergrounding an existing overhead utilities in a targeted area is to be completed prior to the complete streets scope of work and is to be included as part of this environmental review.

The City was awarded an Active Transportation Program (ATP) Grant for Project design and construction, and needs to stay in strict compliance with all grant schedule and documentation requirements. The Project's ATP application is included as **Attachment 2**. The City was also awarded an EPA grant which will require the project to include green infrastructure (**Attachment 3**). Further funding for the Project is provided by the City's Capital Improvement Program and PG&E Rule 20A Funds.

In addition, there is potential funding from Measure J Pedestrian, Bike and Trail Facility, Transportation for Livable Communities and California Natural Resources Agency's Urban Greening Program.

The City seeks a team to review the preliminary plan and perform environmental assessments, including identification of necessary mitigation measures that will inform the construction drawings and specifications. All environmental assessments must be certified as conforming to state and federal environmental laws and funding requirements.

SCOPE OF WORK

PHASE I – ENVIRONMENTAL STUDIES AND REPORTS

A Preliminary Environmental Screening (PES) of the project and the PES form have been completed, and based upon the evaluation of the project's potential environmental impacts, it has been determined that Nation Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) Environmental Assessment (EA)

documentation is required. Consultant(s) shall complete and deliver the Preliminary Environmental Studies (PES) requirements as follows [see **Attachment 4** letter dated February 21, 2017 referenced as *Updated List of Environmental Studies for ATPL-5303 (017) Rumrill Boulevard Complete Streets*]:

1. Traffic - Study on operational impact, construction impact and consistency with bike plan.
2. Air Quality Conformity - Technical Memorandum to demonstrate that this does not create a non-attainment level for the City or that the project is exempted. Complete the PM2.5 project level conformity process.
3. Hazardous Waste – Phase I study scope should include the entire affected project area. Qualified consultants will use an industry standard site investigation methodology, which is acceptable as long as the study area covers the entire project area. Depending on the results of the Phase I, either a Technical Memorandum or Phase II will also be needed to describe mitigation for any Phase I findings in addition to: construction activity near Brookside Drive, yellow paint/thermoplastic removal.
4. Water Quality- Technical Memorandum on construction Best Management Practices
5. Floodplain- Location Hydraulic Study and Summary Floodplain Encroachment Report
6. Biology- Technical Memorandum on tree removal, replanting plans, compliance with Migratory Bird Treaty Act
7. Section 4(f). - Concurrence Letters (Rumrill Sports Park; Parks & Recreation)
8. Visual- Technical Memorandum on tree removal and replanting
9. Community- Technical Memorandum on parking implications and public outreach
10. Equipment Staging – Technical Memorandum
11. Cultural resources assessment documents: Consultant shall perform screening assessments in the areas listed below. The following documents should be prepared for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA). Guidance for completing these documents may be found online at Caltrans' Standard Environmental Reference website: <http://www.dot.ca.gov/ser/vol2/vol2.htm>:
 - a. Area of Potential Effects (APE) Map- This map depicts the area that will be affected by the project, including staging areas, access roads, utility relocation, temporary bridges, right-of-way acquisition, and temporary construction easements. The map should be plotted on an aerial photographic or other base at a scale of approximately 1 inch = 200 feet or greater. A maximum size of 11 inches by 17 inches is preferred, using multiple sheets as necessary for inclusion in the required reports listed below. Typically, two APE lines are depicted: the Archaeological APE, which includes all areas of direct impact, and the Architectural APE, which will additionally include the entirety of all parcels from which there will be a right-of-way acquisition or temporary easement for construction or detour. The APE map should have a title block that includes the project name, federal ID number, and signature lines for the Caltrans PQS and Local Assistance Engineer, as well as the local agency representative. The APE map should be transmitted to Caltrans for signatures prior to the completion of the HPSR.

- A signed copy of the map will then be returned to the agency or its consultant for inclusion in the reports.
- b. Historic Property Survey Report (HPSR)- The HPSR serves as a summary report to which the Archaeological Survey Report and Historic Resource Evaluation Report are attached. The HPSR also documents consultation with interested parties, including Native American groups, and presents the project description and mapping. The standard HPSR form is available online at http://www.dot.ca.gov/ser/vol2/hpsr_form.dotx.
 - c. Historic Resource Evaluation Report
 - d. Archaeological Survey Report (ASR)- This report is needed to document the studies undertaken to demonstrate the presence or absence of archaeological resources within the Archaeological APE. If resources are identified, they must be evaluated for their eligibility for listing on the National Register of Historic Places. A professionally-qualified archaeologist, as described in Attachment I of the PA, must complete this report.
 - e. To the extent that significant cultural resources are identified, further study shall occur in conformance with Caltrans guidelines. See **Attachment 5**-September 30, 2016 Caltrans Memorandum from Karen Reichardt to Tom Holstein for more information including reviewer/preparer qualifications and document formatting requirements.

The findings from these assessments shall be documented in a report or memorandum to the City. These reports shall be sufficient to provide a NEPA and CEQA findings. The consultant is to process the NEPA & CEQA on behalf of the City.

MANDATORY PRE-PROPOSAL MEETING

A mandatory pre-proposal meeting will be held on **April 26, 2017 at 2:00 pm** to allow City staff to respond to specific questions from proposers. The meeting will be held at the **San Pablo City Council Chambers**, located at 13831 San Pablo Ave., San Pablo, and attendance is required for proposals to be considered. Please direct your substantive questions to City staff at this meeting rather than by direct contact; this will ensure fairness and efficiency in the selection process.

PROPOSAL REQUIREMENTS

Professional disciplines expected to be involved with the project include, but are not limited to: civil engineering, land surveying, traffic engineering, electrical engineering, environmental, hazardous waste landscape architecture, biology, planning, and cultural resource evaluation.

1. ORGANIZATION CHART / PERSONNEL
Since the Project consists of several professional disciplines, Consultant is requested to provide an organization or personnel chart to delineate communication, coordination and hierarchical structure.
2. STATEMENT OF QUALIFICATIONS OR RESUMES
Provide a brief description of general qualifications, the multi-disciplinary nature of the team assembled for this project, specific evidence of relevant experience, and a listing of key personnel that would be available to work on this Project.
3. PROJECT APPROACH AND SCHEDULE OF WORK
Describe the Consultant's proposed approach to this project and if relevant the typical approach to projects similar to this one.

The City anticipates the environmental studies work to be completed by December 2017. This timeline has been established for provided sufficient time for preparation, submittal of the Request for Authorization (RFA) or "E-76" for design funds. It would be responsibility of the consultant to prepare the documentation and submit the required documents to Caltrans for the E-76 within the required timeframe.

The schedule of work must be included in the proposal in order to demonstrate Consultants ability to accomplish the Project deadlines. All tasks including deliverables of each sub-consultant must meet set individual deadlines and overall project schedule.

Progress meetings with City staff shall be scheduled on no less than a monthly basis until the design is completed. These meetings may also be attended by other stakeholders as needed.

4. SPECIAL REQUIRMENTS

The successful consultant must have extensive experience in environmental assessments and completing similar projects, as well as experience dealing with Caltrans. The selection process and all work shall be completed in accordance with the applicable laws of the State of California, the California Transportation Commission (CTC), Caltrans and Federal Highway Administration (FHWA), as administered by Caltrans Local Assistance.

All reports must comply with Caltrans requirements and Federal Aid requirements.

The work to be completed in this RFP is part of state and federal grants and as such, if any aspects of this work is subcontracted this must be clearly stated in the proposal and the prime subcontractor is to comply with 40 CFR Part 33. The proposal must state how the primary contractor promoted good faith efforts to follow 40 CFR 33.301 to encourage Disadvantaged Business Enterprises (DBEs) for subcontracting opportunities. This project has a DBE goal of 1% for services. A successful proposal will provide information regarding the percentage of work

that will be performed by a DBE or provide information regarding the good faith efforts to promote DBE involvement (See **Attachment 7** for Good Faith Efforts).

A successful proposal will include the following statements:

1. Insurance: A statement that your insurance meets the terms contained in the sample agreement included with this RFP.
2. Conflict of interest Statement: Declaration stating that consultant has not made any contributions to any City of San Pablo public official (hired or elected), or to volunteers serving on review commissions having an influence on this work.
3. Consultant Contract Statement: Include a statement that your firm accepts the terms of the City's Consultant Contract form (attached) and/or the proposal will include a list of any proposed modifications to the Agreement by the consultant.

5. REFERENCES AND COMPARABLE PROJECTS

- a. Provide a summary of projects in progress or completed, with the following information for each:
 - b. Reference name, with current contact information
 - c. Type of project/development
 - d. Client type (clarifying role of private sector client, if any)
 - e. Size and scale of geographic area
 - f. Current status

6. PROJECT MANAGEMENT AND STAFF AVAILABILITY

- a. Consultant should have an individual who will function as the main coordinator and hub for all the other consultants and sub-consultants; he/she will oversee project updates under the direction of City staff. This person will monitor timelines, review and evaluate products, ensure quality control and assist in facilitating meetings. Any substitutes of staff after proposal is received must be provided in writing and approved by the City if the contract is awarded.

7. COST ESTIMATE

The method of payment for this contract will be a Lump Sum agreement with the ability of progress payments. The cost proposal shall include a line item cost estimate for each work task outlined in the scope of services plus a separate cost for meetings (cost per meeting). The cost spreadsheet should be in a format that will allow City staff to determine the key project team member(s) proposed for each task and the number of management, technical, drafting and support personnel hours, cost per hour for each project team member and total cost envisioned for each task. Identify any other costs to be billed to the project including project expenses and sub-consultant fees. Include any proposed mark-up for sub-consultant fees. Include a copy of the proposed rate schedules(s) to be used throughout the duration of the project and any adjustments that are predicted to occur during the execution of the project.

PROPOSAL FORMAT

Please prepare and organize the cost proposal based on the requirements listed below.

1. Cover Letter - A cover letter must be provided transmitting the consultant proposal for consideration. The cover letter must be signed by the person authorized to negotiate a contract for proposed services with the City on behalf of the team.
2. Proposed Work Program Scope / Schedule / Hours Budget - Provide a description of tasks anticipated to provide the services outlined above and meet the Project objectives. Description can include:
 - a. Identification of major tasks, or range of possible tasks, anticipated to complete the Project.
 - b. Estimated milestone delivery schedule, based on tasks identified.

PROPOSAL SUBMITTAL

1. Provide three (3) hard copies and one electronic copy of the proposal no later than 5:00 p.m. on the "closing date" listed on the front page of this RFP. Proposals shall be addressed to Amanda Booth, Environmental Program Analyst, San Pablo Engineering, City of San Pablo, 13831 San Pablo Avenue, Bldg 3, San Pablo, CA 94806.
2. All proposals shall be submitted in a sealed envelope, clearly marked with the title of this RFP, with the closing date and time.
3. All proposals, whether selected or rejected, shall become the property of the City.
4. The cost of RFP preparation shall be that of the consulting firm and shall not be paid by the City.
5. Proposals shall be signed by an authorized employee in order to receive consideration.
6. City will not be responsible for proposals delivered to a person or location other than that specified herein.
7. The successful proposer will be asked to enter into an agreement with the City reflecting the terms and conditions of the proposal based on the City's Professional Services Agreement (Agreement) requirements. A copy of the Agreement is included as **Attachment 6** to this RFP. Proposals should include a list of any proposed modifications to the Agreement by the consultant. Award of an agreement is subject to approval by the City Council of the City of San Pablo.
8. Neither the City of San Pablo, its City Council, officers, employees, agents, representatives, nor any of its consultants will be liable for any claim or damages resulting from the RFP process.
9. By submitting a proposal in response to this RFP, the proposer accepts the evaluation process and acknowledges and accepts that determination will require subjective judgments by the City. All information, documentation, and other materials submitted in response to this solicitation are considered non-confidential and/or non-proprietary and are subject to public disclosure after the solicitation is completed.

AWARD CRITERIA AND SELECTION PROCESS

AWARD CRITERIA

1. Demonstrated understanding of the Project including Project needs, identification of potential issues and overall approach to complete streets design
2. Identification of innovative approaches and solutions to key project issues
3. Experience of the firm with similar projects, including local knowledge and prior experience with bicycle and pedestrian projects
4. Quality and availability/current workload of proposed staff
5. Demonstrated history of team members (sub-consultants) working together and cooperation
6. References and record of previous budget/schedule project performance for similar projects
7. Willingness and demonstrated ability to work expediently and meet deadlines
8. Familiarity with State and Federal Procedures

Criteria	Maximum Points
Experience with similar work	20
Demonstrated understanding of the project	20
Technical ability	15
Quality and availability of staff	15
Identification of innovative approaches	15
Ability to meet deadlines and familiarity with state and federal procedures	10
References	5
Total	100

SELECTION PROCESS

1. The City will be evaluating all proposals submitted.
2. The City will exercise its discretion in selecting a firm. The award will be made by the City Council who will be asked to authorize the City Manager to execute an agreement after negotiation of a contract in accordance with the City’s selection process.
3. The City reserves the right to award a contract to the firm that presents the proposal which, in the sole judgment of the City, best serves the community’s interest.
4. The City reserves the right to reject any and all proposals, to waive minor irregularities in proposals, or to negotiate minor deviations with the successful firm.

SCHEDULE

Item	Date
RFP Release Date	April 12, 2017
Mandatory Pre-Proposal Meeting Date	April 26, 2017
RFP Proposal submittal Date	May 15, 2017
Panel Review	May 16, 2017
Interview period	Week of May 22, 2017
Selection and negotiation period	May 25 - June 8, 2017
Contract to be awarded at City Council	June 19, 2017

SAMPLE AGREEMENT

A sample agreement is attached (**Attachment 6**) that includes terms regarding conflict of interest, insurance, indemnification and assignment. The consultant selected to perform the work will be required to comply with these terms.

Contact:

All questions regarding this RFP shall be directed to:

Amanda Booth
 Environmental Program Analyst
 City of San Pablo
 (510) 215-3066
AmandaB@sanpabloca.gov

Ronalyn Nonato
 Public Works | Engineering
 City of San Pablo
 (510) 215-3065
RonalyN@sanpabloca.gov

Attachments:

1. September 2015, Rumrill Boulevard/ 13th Street Final Complete Streets Study
2. June 1, 2015 Cycle 2 Regional ATP Application, Rumrill Boulevard Complete Streets Improvements
3. San Francisco Bay Water Quality Improvement Fund- City of San Pablo Grant Application
4. Letter dated February 21, 2017 referenced as Updated List of Environmental Studies for ATPL-5303 (017) Rumrill Boulevard Complete Streets
5. Letter dated September 30, 2016 Caltrans Memorandum from Karen Reichardt to Tom Holstein
6. Sample City of San Pablo Professional Services Agreement
7. DBE Good Faith Efforts Documentation Form



CITY OF SAN PABLO

City of New Directions

**City of San Pablo
REQUEST FOR PROPOSAL
ADDENDUM No. 1
PROFESSIONAL SERVICES
Date: May 4, 2017**

This addendum is hereby made a part of the Request for Proposals (RFP) documents to the same extent as if they were originally included therein. The following are changes and clarifications to the RFP documents:

Clarification Questions and Responses

1. Do our cost estimates need to be in Caltrans 10-H format?

City of San Pablo Response: You may provide the cost estimate in multiple formats, however please provide one in the Caltrans 10-H Example #3 format.

2. Has a tree survey been completed?

City of San Pablo Response: Yes.

3. Do you have details on the lighting, i.e., something special or standard for height etc.?

City of San Pablo Response: Yes, CEQA clearance on lights has already been completed through a photometric study that was recently finished.

4. A technical memo on tree removal and replanting is requested both under Biology and Visual in the RFP—where would you like to see this memo summarized in the CEQA document?

City of San Pablo Response: Please summarize the memo in the CEQA document.

5. The Section 106 review memo by Caltrans (PDF page 420 Rumrill RFP with Attachments) has no indication for an architectural assessment, can we assume that this is true? Or should we scope and budget for a HRER since the ROW goes along some historic properties and Rumrill Bridge?

City of San Pablo Response: It is unlikely that an architectural assessment will be required. However, consultants may choose to reference this aspect in the proposal and provide an optional line item in the budget for this assessment.

6. In the PES Caltrans checked the Categorical Exclusion box for NEPA. During the pre-proposal meeting it was mentioned that an EA may be required. Is there other documentation that shows Caltrans wants an EA, rather than a CE?

City of San Pablo Response: The PES was performed prior to Caltrans being notified of the elevated levels of PCBs. Due to this change it is unknown if the project would remain as Categorical Exclusion or be modified to EA.

7. Does the City have any data it can share at this time about the PCB issue? What is the nexus between the proposed project and the PCB's? I.e., is the City looking for stormwater BMPs that clean up the PCB's?

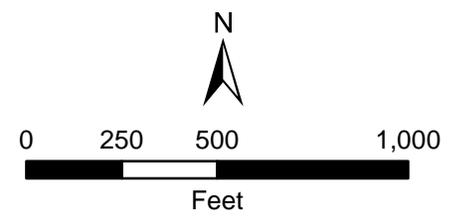
City of San Pablo Response: The specific sampling data will be provided to the successful consultant or consultant team. The current results do not indicate an issue of human health concern; however, it has been identified as a potential water quality concern (levels between 1,000-5,000 µg/kg). The PCBs samples have occurred in the public right-of-way and therefore in accordance with the City's National Pollutant Discharge Elimination System (NPDES) permit, the City is aiming to fulfill requirement C.3.j.ii Early Implementation of Green infrastructure Projects (No Missed Opportunities). The City has received a grant from the EPA to assist in the implementation of green infrastructure to manage the PCBs in the public right-of-way.

City Clarification Regarding the Lower San Pablo Creek Archaeological District:

The project lies within the recorded site boundaries of CA-CCO-271 and is within the Lower San Pablo Creek Archaeological District. CA-CCO-271 was determined eligible for the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) and is a contributing element of the Lower San Pablo Creek Archaeological District. Therefore, as part of the work consultants will be expected to provide reports regarding a subsurface testing program to determine 1) the presence or absence of cultural deposits and 2) the extent possible characterize the nature of the deposits in the ADI that may be encountered during construction-related ground disturbance. Proposals should include information and budget for subsurface probing that would better define potential deposit extents, boundaries, and to characterize the depth, integrity, and extent of the potential deposits. The budget should include the excavation of a series of auger bores and/or shovel test probes adjacent to the reported site boundaries. The depth of the auger bores and/or shovel test should be consistent with potential project requirements. Trench depths for utilities is expected not to exceed 5 feet, light pole footing are typically 7 feet deep and new traffic signals at the intersection of Rumrill and Rd 20 may be as deep as 12 feet.



-  Project Location
-  CA-CCO-271
-  The Lower San Pablo Creek Archaeological District/P-07-004534





CITY OF SAN PABLO

City of New Directions

**City of San Pablo
REQUEST FOR PROPOSAL
ADDENDUM No. 2
PROFESSIONAL SERVICES
Date: May 8, 2017**

This addendum is hereby made a part of the Request for Proposals (RFP) documents to the same extent as if they were originally included therein. The following are changes and clarifications to the RFP documents:

Clarification Questions and Responses

1. Do our cost estimates need to use prevailing wage?

City of San Pablo Response: Yes.

2. Can you please provide additional details as to the requirements for the Equipment Staging Technical Memorandum? Is this required specifically to support the traffic and air quality conformity analysis?

City of San Pablo Response: The Equipment Staging Technical Memorandum will determine if the staging areas would affect traffic, use agreed upon right-of-way areas and determine if the staging areas are located in an environmental sensitive area.

3. Since the City scored the visual impact assessment an 8, and the box for the technical visual memo (PES page 6-78) is checked, should we assume that Caltrans did not agree with the City's initial VIA score and is the nexus for requiring a visual tech memo (as outlined on #8 of the RFP)? Or should we assume a brief memo simply describing the tree planting and, I assume new lighting (no Landscape architect required)? etc.?

City of San Pablo Response: The City will provide information regarding this memo, consultants will only be required to compile the information and write the memo.