

JUL 23 2008

**NORTH COUNTY CORRIDOR TRANSPORTATION EXPRESSWAY AUTHORITY**  
**AGREEMENT FOR PROFESSIONAL DESIGN SERVICES**

This Agreement is made and entered into by and between The North County Corridor Transportation Expressway Authority, hereinafter referred to as "NCCTEA" and Jacobs ~~Carter~~ ~~Burgess, Inc.~~, hereinafter referred to as "Consultant". Engineering Group Inc.

**NOW, THEREFORE**, for and in consideration of the mutual covenants and conditions contained herein, the parties hereby agree as follows:

**1.0 PROFESSIONAL SERVICES TO BE PROVIDED BY CONSULTANT**

1.1. Project Description: This Project (the "Project") is more particularly described in the attached Request for Proposals, in general the Project will provide viable project alternatives, a preferred alternative, and environmental clearance for a North Stanislaus County Corridor roadway alignment that would extend from a location along Dale Road, north of SR 219 / Kiernan Avenue, to a location on SR 120 to be located approximately 6.25 miles east of the City of Oakdale. This alignment may be an entirely new facility or be incorporated into the existing local road network, including a possible realignment of State Route 108 and / or an extension of SR 219. The alignment would generally be oriented east / west and to / from, SR-108 / McHenry Ave and follow the Claribel Road alignment to a new SR 120 expressway interchange to be located east of Oakdale, California. ~~within city limits.~~

1.2. Scope of Services: Consultant shall provide the professional services described in the NCCTEA's Request for Proposal ("RFP") attached hereto as Exhibit "A" and incorporated herein by reference and Consultant's Response to NCCTEA's RFP (the "Response"). A copy of said Response is attached hereto as Exhibit "B" and incorporated herein by this reference. The Project will be performed in two or more phases as described below. The Consultant shall not commence work on a Task Order until the NCCTEA issues a Notice to Proceed for that Task Order. The specific scope of work for each Task Order will be separately approved by NCCTEA and shall be made a part hereof by this reference. The NCCTEA has no obligation to issue a Notice to Proceed for any Task Order.

(a) Task Order #1: In this Task Order the Consultant's work will provide the basis to formulate strategies and lay the ground work to start the Project off right and will help expedite the Project. The first Task Order will include the following:

- Reach consensus with Caltrans on the appropriate Caltrans Authorizing Document
- Refine the Route Adoption Strategy presented by the Consultant
- Assist in developing the cooperative agreement with Caltrans
- Assist in drafting the Charter with Caltrans.
- Refine the Environmental strategy and coordination with Caltrans
- Determine appropriate Traffic Analysis model
- Coordinate with local planning documents
- Detailed Public Outreach Communications Plan.

- Refine the scope, cost and schedule for Task Order 2

(b) Subsequent Task Orders: The general scope of Future Task Orders includes the following three components:

- A Programmatic California Environmental Quality Act (CEQA) document for the entire route,
- A Programmatic National Environmental Policy Act (NEPA) document for the entire route, and
- A project level CEQA/NEPA document for a buildable section of the route.

1.3. Professional Practices: All professional services to be provided by Consultant pursuant to this Agreement shall be provided by personnel experienced in their respective fields and in a manner consistent with the standards of care, diligence and skill ordinarily exercised by professional consultants in similar fields and circumstances in accordance with sound professional practices. Consultant also represents that it is familiar with all laws that may affect its performance of this Agreement and shall advise NCCTEA of any changes in any laws that may affect Consultant's performance of this Agreement.

1.4. Representations: Consultant represents that it has reviewed the RFP and that in its professional judgment the services to be performed under this Agreement can be performed within the maximum fee set forth in its Response (Exhibit B) and within the time specified in the Project Schedule attached thereto (Exhibit D)

1.5. Warranty. Consultant warrants that it shall perform the services required by this Agreement in compliance with all applicable Federal and California employment laws including, but not limited to, those laws related to minimum hours and wages; occupational health and safety; fair employment and employment practices; workers' compensation insurance and safety in employment; and all other Federal, State and local laws and ordinances applicable to the services required under this Agreement. Consultant shall indemnify and hold harmless NCCTEA from and against all claims, demands, payments, suits, actions, proceedings, and judgments of every nature and description including reasonable attorneys' fees and costs, presented, brought, or recovered against NCCTEA for, or on account of any liability under any of the above-mentioned laws, which may be incurred by reason of Consultant's performance under this Agreement.

1.6. Non-Discrimination. In performing this Agreement, Consultant shall not engage in, nor permit its agents to engage in, discrimination in employment of persons because of their race, religion, color, national origin, ancestry, age, physical handicap, medical condition, marital status, sexual gender or sexual orientation, except as permitted pursuant to Section 12940 of the Government Code. Violation of this provision may result in the imposition of penalties referred to in Labor Code, Section 1735.

1.7. Non-Exclusive Agreement. Consultant acknowledges that NCCTEA may enter into agreements with other consultants for services similar to the services that are subject to this Agreement or may have its own employees perform services similar to those services

contemplated by this Agreement.

1.8. Delegation and Assignment. This is a personal service contract, and the duties set forth herein shall not be delegated or assigned to any person or entity without the prior written consent of NCCTEA. Consultant may engage a subcontractor(s) as permitted by law and may employ other personnel to perform services contemplated by this Agreement at Consultant's sole cost and expense.

## 2.0 COMPENSATION AND BILLING

2.1. Compensation. Consultant shall be paid in accordance with the fee schedules approved by NCCTEA for each Task Order, which schedules will be attached hereto as Exhibit "C" and made a part of this Agreement. Consultant's compensation under this Agreement shall in no case exceed a total of Five-Million-Eight-Hundred-Thousand Dollars (\$5,800,000). Unless otherwise agreed to in writing by the parties, the total costs of each Task Order shall not exceed the following amounts:

<u>Task Order #1:</u>	\$ 580,194.34
<u>Subsequent Task Orders:</u>	\$ 5,219,805.66

2.2. Travel Expenses. The NCCTEA shall reimburse the Consultant for travel costs, meals, and lodging at the same rate paid to Stanislaus County employees if required for the performance of services requested by the NCCTEA. Receipts of all expenses shall be provided to the NCCTEA prior to payment of any reimbursable expenses.

2.3. Funding. Payment for performance by the Consultant shall be dependent upon the availability of appropriations by the NCCTEA Board of Directors for the purposes of this contract. No liability on the part of the NCCTEA for any payment may arise under this Agreement until funds are made available and until the Consultant has received funding availability, which will be confirmed in writing. If funding for any fiscal year is reduced or deleted, or if the NCCTEA loses funding for any reason, the NCCTEA, in its sole discretion, shall have the option to either: (a) cause this Agreement to be canceled or terminated pursuant to applicable provisions of the Agreement; or (b) offer to amend the Agreement to reflect the reduced funding for this Agreement.

2.4. Additional Services. Consultant shall not receive compensation for any services provided outside the scope of services specified in the Response or the Task Orders unless the NCCTEA or the Project Manager for this Project, prior to Consultant performing the additional services, approves such additional services in writing. It is specifically understood that oral requests and/or approvals of such additional services or additional compensation shall be barred and are unenforceable.

2.5. Method of Billing. Consultant may submit invoices to NCCTEA's Project Manager for approval on a progress basis, but no more often than once each calendar month. Said invoice shall be based on the total of all Consultants' services that have been completed to NCCTEA's sole satisfaction. NCCTEA shall pay Consultant's invoice within forty-five (45)

days from the date NCCTEA receives said invoice. Each invoice shall describe in detail, the services performed and the associated time for completion. Any additional services approved and performed pursuant to this Agreement shall be designated as "Additional Services" and shall identify the number of the authorized change order, where applicable, on all invoices.

2.6. Records and Audits. Records of Consultant's services relating to this Agreement shall be maintained in accordance with generally recognized accounting principles and shall be made available to NCCTEA or its Project Manager for inspection and/or audit at mutually convenient times for a period of three (3) years from the termination of this Agreement. Any Audit under this provision shall exclude disclosure of Consultant's proprietary fixed rates or percentage multipliers.

### **3.0 TIME OF PERFORMANCE**

3.1. Commencement and Completion of Work. The professional services to be performed pursuant to this Agreement shall commence within five (5) days after NCCTEA delivers a Notice to Proceed for a specified Task Order. Said services shall be performed in strict compliance with the Project Schedule approved by NCCTEA as set forth in Exhibit "D", attached hereto and incorporated herein by this reference. The Project Schedule may be amended by mutual agreement of the parties. Failure to commence work in a timely manner and/or diligently pursue work to completion may be grounds for termination of this Agreement.

3.2. Excusable Delays. Neither party shall be responsible for delays nor lack of performance resulting from acts beyond the reasonable control of the party or parties. Such acts shall include, but not be limited to, acts of God, fire, strikes, material shortages, compliance with laws or regulations, riots, acts of war, or any other conditions beyond the reasonable control of a party.

### **4.0 TERM OF CONTRACT AND TERMINATION**

4.1. Term. This Agreement shall commence upon approval by the NCCTEA's Board of Directors and continue until the Consultants services as described herein are completed, unless previously terminated as provided herein or as otherwise agreed to in writing by the parties.

4.2. Notice of Termination. The NCCTEA reserves and has the right and privilege of canceling, suspending or abandoning the execution of all or any part of the work contemplated by this Agreement, with or without cause, at any time, by providing written notice to Consultant. A thirty (30) day written notice to Consultant will be provided for Termination for convenience. The termination of this Agreement shall be deemed effective upon receipt of the notice of termination. In the event of such termination, Consultant shall immediately stop rendering services under this Agreement unless directed otherwise by the NCCTEA.

4.3. Compensation. In the event of termination, NCCTEA shall pay Consultant for reasonable costs incurred and professional services satisfactorily performed up to and including the date of NCCTEA's written notice of termination. Compensation for work in progress shall be prorated as to the percentage of work completed as of the effective date of termination in accordance with the fees set forth in Exhibit "C". In ascertaining the professional services

actually rendered hereunder up to the effective date of termination of this Agreement, consideration shall be given to both completed work and work in progress, to complete and incomplete drawings, and to other documents pertaining to the services contemplated herein whether delivered to the NCCTEA or in the possession of the Consultant.

4.4. Termination for Cause: If NCCTEA determines that Consultant has failed to perform in accordance with the terms and conditions of this Agreement, NCCTEA may terminate all or any portion of this Agreement for cause. This termination shall be effective if: (1) Consultant does not cure its failure to perform within ten (10) Days after receipt of a notice of intent to terminate from NCCTEA specifying the failure in performance; or, (2) if the failure to perform cannot, by its nature, be cured within ten (10) Days, Consultant does not commence a cure within ten (10) Days after receipt of the notice provided for in Clause (1); or (3) Consultant commences cure within such time but fails thereafter to diligently prosecute such cure to completion. Nothing herein shall be interpreted as limiting Consultant's right to terminate for default without opportunity to cure if such default is by its nature not curable or if cure would be impractical.

4.5. Documents. In the event of termination of this Agreement, all documents prepared by Consultant in its performance of this Agreement including, but not limited to, finished or unfinished design, development and construction documents, data studies, drawings, maps and reports, shall be delivered to the NCCTEA within ten (10) days of delivery of termination notice to Consultant, at no cost to NCCTEA. Any use of uncompleted documents without specific written authorization from Consultant shall be at NCCTEA's sole risk and without liability or legal expense to Consultant.

## **5.0 INSURANCE REQUIREMENTS**

5.1. Minimum Scope and Limits of Insurance. Consultant shall obtain and maintain during the life of this Agreement all of the following insurance coverage's:

- (a) Comprehensive general liability, including premises-operations, products/completed operations, broad form property damage, blanket contractual liability, independent contractors, personal injury with a policy limit of Two Million Dollars (\$2,000,000.00), combined single limits, per occurrence and aggregate. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to any act or omission by Consultant under this Agreement or the general aggregate limit shall be twice the required occurrence limit.
- (b) Automobile liability for owned vehicles, hired, and non-owned vehicles, with a policy limit of One Million Dollars (\$1,000,000.00), combined single limits, per occurrence and aggregate.
- (c) Workers' compensation insurance as required by the State of California.
- (d) Professional errors and omissions ("E&O") liability insurance with policy limits of Two Million Dollars (\$2,000,000.00), combined single limits, per occurrence and aggregate. Consultant shall obtain and maintain, said E&O liability insurance during the life of this Agreement and for three years after completion of the work hereunder.

5.2. Endorsements. The comprehensive general liability insurance policy shall contain or be endorsed to contain the following provisions:

- (a) Additional insureds: "The North County Corridor Transportation Expressway Authority ("NCCTEA") and appointed boards, officers, agents, and employees are additional insureds with respect to this subject project and contract with NCCTEA."
- (b) Notice: "Said policy shall not terminate, nor shall it be cancelled, nor the coverage reduced, until thirty (30) days after written notice is given to NCCTEA."
- (c) Other insurance: "Any other insurance maintained by the NCCTEA shall be excess and not contributing with the insurance provided by this policy."

5.3. Deductibles: Any deductibles, self-insured retentions or named insureds must be declared in writing and approved by NCCTEA. At the option of the NCCTEA, either: (a) the insurer shall reduce or eliminate such deductibles, self-insured retentions or named insureds, or (b) the Consultant shall provide a bond, cash, letter of credit, guaranty or other security satisfactory to the NCCTEA guaranteeing payment of the self-insured retention or deductible and payment of any and all costs, losses, related investigations, claim administration and defense expenses. The NCCTEA, in its sole discretion, may waive the requirement to reduce or eliminate deductibles or self-insured retentions, in which case, the Consultant agrees that it will be responsible for and pay any self-insured retention or deductible and will pay any and all costs, losses, related investigations, claim administration and defense expenses related to or arising out of the Consultant's defense and indemnification obligations as set forth in this Agreement.

5.4. Certificates of Insurance: The Consultant shall obtain a specific endorsement to all required insurance policies, except Workers' Compensation insurance and Professional Liability insurance, naming the NCCTEA and its officers, officials and employees as additional insureds regarding: (a) liability arising from or in connection with the performance or omission to perform any term or condition of this Agreement by or on behalf of the Consultant, including the insured's general supervision of its subcontractors; (b) services, products and completed operations of the Consultant; (c) premises owned, occupied or used by the Consultant; and (d) automobiles owned, leased, hired or borrowed by the Consultant. For Workers' Compensation insurance, the insurance carrier shall agree to waive all rights of subrogation against the NCCTEA its officers, officials and employees for losses arising from the performance of or the omission to perform any term or condition of this Agreement by the Consultant.

5.5. Non-limiting: Nothing in this Section or the insurance described herein shall be construed as limiting in any way, the indemnification provisions contained in this Agreement, or the liability of Consultant and Consultant's officers, employees, agents, representatives or subcontractors for payments of damages to persons or property.

5.6. Primary Insurance: The Consultant's insurance coverage shall be primary insurance regarding the NCCTEA and NCCTEA's officers, officials and employees. Any insurance or self-insurance maintained by the NCCTEA or NCCTEA's officers, officials and employees shall be excess of the Consultant's insurance and shall not contribute with Consultant's insurance. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the NCCTEA or its officers, officials and employees. The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

5.7. Endorsements: Each insurance policy required by this section shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party except after thirty (30) days' prior written notice has been given to NCCTEA. The Consultant shall promptly notify, or cause the insurance carrier to promptly notify, the NCCTEA of any change in the insurance policy or policies required under this Agreement, including, without limitation, any reduction in coverage or in limits of the required policy or policies.

5.8. California Admitted Insurer: Insurance shall be placed with California admitted insurers (licensed to do business in California) with a current rating by Best's Key Rating Guide of no less than A-:VII; provided, however, that if no California admitted insurance company provides the required insurance, it is acceptable to provide the required insurance through a United States domiciled carrier that meets the required Best's rating and that is listed on the current List of Eligible Surplus Line Insurers maintained by the California Department of Insurance.

5.9. Subcontractors: Consultant shall require that all of its subcontractors are subject to the insurance and indemnity requirements stated herein, or shall include all subcontractors as additional insureds under its insurance policies.

5.10. Delivery of Certificates of Insurance: Ten (10) days after execution of this Agreement, Consultant shall furnish NCCTEA with certificates of insurance, and with original endorsements, showing coverage required by this Agreement, including, without limitation, those that verify coverage for subcontractors of the Consultant. NCCTEA reserves the right to review copies of all required insurance policies and endorsements, at an office of Consultant's nearest to NCCTEA counsel.

## **6.0 INDEMNIFICATION**

6.1. Indemnification: To the fullest extent allowed by law, Consultant shall defend, indemnify, and hold harmless the NCCTEA and its officers, agents, employees and representatives from and against all claims, actions, losses, injuries, damages or expenses including litigation costs and reasonable attorney's fees incurred, brought for or on account of, injury to or death of any person, including but not limited to workers, NCCTEA employees, and the public, or damage to property, which arise out of in whole or in part, the negligence, recklessness, or willful misconduct of Consultant, its officers, agents, employees, representatives, contractor and subcontractors, excluding, however, such liabilities caused in whole or part by the sole negligence, active negligence or willful misconduct of the NCCTEA, its agents, employees, and representative.

6.2. Duty to Defend: The duty of Consultant to indemnify and save harmless as set forth herein, shall include the duty to defend as set forth in Section 2778 of the California Civil Code.

6.3. Duty to Cooperate: Each party shall notify the other party immediately in writing of any claim or damage related to activities performed under this Agreement. The parties shall cooperate with each other in the investigation and disposition of any claim arising out of the

activities under this Agreement. Specifically, Consultant shall take all steps necessary to assist the NCCTEA in the defense of any claim brought by a contractor hired to construct the Project regarding any errors, flaws, and/or omissions in the plans or specifications of the Project.

6.4. Patent Rights: Consultant represents that professional services provided by Consultant pursuant to this Agreement does not infringe on any other copyrighted work. Consultant shall defend, indemnify and hold harmless the NCCTEA from all loss, cost, damage, expense, liability or claims, including attorneys' fees, court costs, litigation expenses and expert consultant or witness fees, that may at any time arise for any infringement of the patent rights, copyright, trade secret, trade name, trademark, service mark or any other proprietary right of any person or persons in consequence of the use by the NCCTEA of any articles or services supplied under this agreement.

## 7.0 GENERAL PROVISIONS

7.1. Entire Agreement: This Agreement constitutes the entire Agreement between the parties with respect to any matter referenced herein and supersedes any and all other prior writings and oral negotiations. This Agreement may be modified only in writing, and signed by the parties in interest at the time of such modification. The terms of this Agreement shall prevail over any inconsistent provision in any other contract document appurtenant hereto, including exhibits to this Agreement.

7.2. Representatives. The NCCTEA Authority Manager, or his designee, shall be the representative of NCCTEA for purposes of this Agreement and may issue all consents, approvals, directives and agreements on behalf of the NCCTEA, called for by this Agreement, except as otherwise expressly provided in this Agreement. Consultant shall designate a representative for purposes of this Agreement who shall be authorized to issue all consents, approvals, directives and agreements on behalf of Consultant called for by this Agreement, except as otherwise expressly provided in this Agreement.

7.3. Project Managers. NCCTEA shall designate a Project Manager to work directly with Consultant in the performance of this Agreement. Consultant shall designate a Project Manager who shall represent it and be its agent in all consultations with NCCTEA during the term of this Agreement. Consultant or its Project Manager shall attend and assist in all coordination meetings called by NCCTEA.

7.4. Designated Personnel: A material covenant of this agreement is that the Consultant shall assign the individuals designated below to perform the functions designated so long as they continue in the employ of the Consultant. The designated individuals shall, so long as their performance continues to be acceptable to NCCTEA, remain in charge of the services for the Project from beginning through completion of services.

- a. Project Manager: Kris Balaji, PE, PMP
- b. Environmental Lead/Manager: Mike Davis

7.5. Removal of Personnel or Sub-Consultants: If the NCCTEA, in its sole discretion at any time during the term of this agreement, desires the removal of any person or sub-consultant assigned by Consultant to perform services, then the Consultant shall remove such



person or consultant immediately upon receiving notice from the NCCTEA.

7.6. Notices: Any notices, documents, correspondence or other communications concerning this Agreement or the work hereunder may be provided by personal delivery, facsimile or mail and shall be addressed as set forth below. Such communication shall be deemed served or delivered: a) at the time of delivery if such communication is sent by personal delivery; b) at the time of transmission if such communication is sent by facsimile; and c) 48 hours after deposit in the U.S. Mail as reflected by the official U.S. postmark if such communication is sent through regular United States mail.

If to NCCTEA:

MATT MACHADO, NCCTEA Manager  
c/o Laurie Barton, Deputy Director  
Engineering and Operations  
Stanislaus County Department of Public Works  
1716 Morgan Road  
Modesto CA 95358

If to Consultant:

KRIS BALAJI, PE, PMP  
Project Manager/ Director of Transportation  
Program  
JACOBS CARTER BURGESS  
180 Promenade Circle, Suite 300  
Sacramento CA 95834

7.7. Attorneys' Fees: In the event that litigation is brought by any party in connection with this Agreement, the prevailing party shall be entitled to recover from the opposing party all costs and expenses, including reasonable attorneys' fees, incurred by the prevailing party in the exercise of any of its rights or remedies hereunder or the enforcement of any of the terms, conditions, or provisions hereof.

7.8. Governing Law: This Agreement shall be governed by and construed under the laws of the State of California without giving effect to that body of laws pertaining to conflict of laws. In the event of any legal action to enforce or interpret this Agreement, the parties hereto agree that the sole and exclusive venue shall be a court of competent jurisdiction located in California.

7.9. Assignment: Consultant shall not voluntarily or by operation of law assign, transfer, sublet or encumber all or any part of Consultant's interest in this Agreement without NCCTEA's prior written consent. Any attempted assignment, transfer, subletting or encumbrance shall be void and shall constitute a breach of this Agreement and cause for termination of this Agreement. Regardless of NCCTEA's consent, no subletting or assignment shall release Consultant of Consultant's obligation to perform all other obligations to be performed by Consultant hereunder for the term of this Agreement.

7.10. Independent Contractor: Consultant is and shall be acting at all times as an independent contractor and not as an employee of NCCTEA. Consultant shall secure, at his expense, and be responsible for any and all payment of Income Tax, Social Security, State Disability Insurance Compensation, Unemployment Compensation, and other payroll deductions for Consultant and its officers, agents, and employees, and all business licenses, if any are required, in connection with the services to be performed hereunder.

7.11. Ownership of Documents: Any interest, including copyright interests, of

Consultant or its contractors or subconsultants in studies, reports, memoranda, computational sheets, drawings, plans or any other documents, including electronic data, prepared in connection with the Services, shall be the property of NCCTEA. To the extent permitted by law, work product produced under this Agreement shall be deemed works for hire and all copyrights in such works shall be the property of the NCCTEA. In the event that it is ever determined that any works created by Consultant or its subconsultants under this Agreement are not works for hire, Consultant hereby assigns to NCCTEA all copyrights to such works.

7.12. Reuse of Design Documents: Should the NCCTEA desire to reuse the documents specified above and not use the services of the Consultant, then the NCCTEA agrees to require the new consultant to assume any and all obligations for the reuse of the documents, and the NCCTEA shall defend, indemnify, and hold harmless Consultant and its officers, agents, employees and representatives from and against all claims, actions, losses, injuries, damages or expenses and releases Consultant and its subconsultant from all liability associated with the modification or reuse of such documents.

7.13. Public Records Act Disclosure: Consultant has been advised and is aware that all reports, documents, information and data including, but not limited to, computer tapes, discs or files furnished or prepared by Consultant, or any of its subcontractors, and provided to NCCTEA may be subject to public disclosure as required by the California Public Records Act (California Government Code Section 6250 et. seq.). Exceptions to public disclosure may be those documents or information that qualify as trade secrets, as that term is defined in the California Government Code Section 6254.7, and of which Consultant informs NCCTEA of such trade secret. The NCCTEA will endeavor to maintain as confidential all information obtained by it that is designated as a trade secret. The NCCTEA shall not, in any way, be liable or responsible for the disclosure of any trade secret including, without limitation, those records so marked if disclosure is deemed to be required by law or by order of the Court.

7.14. Responsibility for Errors: Consultant shall be responsible for its work and results under this Agreement. Consultant, when requested, shall furnish clarification and/or explanation as may be required by the NCCTEA's representative, regarding any services rendered under this Agreement at no additional cost to NCCTEA. In the event that an error or omission attributable to Consultant occurs, then Consultant shall, at no cost to NCCTEA, provide all necessary design drawings, estimates and other Consultant professional services necessary to rectify and correct the matter to the sole satisfaction of NCCTEA and to participate in any meeting required with regard to the correction.

7.15. Warranty: Consultant will perform its services in accordance with generally accepted industry standards. Following completion of its services, and for a period of twelve (12) months thereafter, if the services provided hereunder by Consultant do not conform with the above stated standard of care, and the same is reported to Consultant by NCCTEA in writing promptly after recognition thereof, Consultant shall at no cost to NCCTEA, furnish all additional services required in connection therewith as soon as reasonably possible after receipt of such report from NCCTEA. NCCTEA's sole and exclusive remedy for any and all claims it might have against Consultant in connection with or arising out of deficient services of Consultant are those expressly set forth in this Section and Section 4.4 NCCTEA hereby waives any and all other remedies it may have whether at law or in equity and whether based on contract, strict

liability, in tort or otherwise, notwithstanding anything in this agreement to the contrary.

7.16. Limitation of Liability: Except for as provided under Article 6, Consultant's liability under each Task Order shall be limited to and shall in no event exceed the compensation to be paid to Consultant under this Agreement. Any and all releases, limitations on liability, restrictions, exclusions, indemnities running in favor of Consultant in this Agreement shall include in the aggregate Consultant's parent or affiliated or subsidiary companies, and its and their officers, directors, employees, agents and representatives.

7.17. Waiver of Consequential Damages: Consultant and NCCTEA waive all rights and claims against each other for consequential damages arising out of or relating to this Agreement. This mutual waiver includes, without limitation, damages incurred by either NCCTEA or Consultant for loss of use, loss of profit or income, loss of management or services, loss of productivity, loss of financing or funding, loss of business reputation and all consequential damages due to termination or suspension by Consultant or NCCTEA.

7.18. Order of Precedence: In the event of an inconsistency in this Agreement and any of the attached Exhibits, the terms set forth in this Agreement shall prevail. If, and to the extent this Agreement incorporates by reference any provision of the RFP or the Response, such provision shall be deemed a part of this Agreement. Nevertheless, if there is any conflict among the terms and conditions of this Agreement and those of any such provision or provisions so incorporated by reference, this Agreement shall govern over both the Response and the RFP and the Response shall govern over the RFP.

7.19. Costs: Each party shall bear its own costs and fees incurred in the preparation and negotiation of this Agreement and in the performance of its obligations hereunder except as expressly provided herein.

7.20. No Third Party Beneficiary Rights: This Agreement is entered into for the sole benefit of NCCTEA and Consultant and no other parties are intended to be direct or incidental beneficiaries of this Agreement and no third party shall have any right in, under or to this Agreement.

7.21. Construction: The parties have participated jointly in the negotiation and drafting of this Agreement. In the event an ambiguity or question of intent or interpretation arises with respect to this Agreement, this Agreement shall be construed as if drafted jointly by the parties and in accordance with its fair meaning. There shall be no presumption or burden of proof favoring or disfavoring any party by virtue of the authorship of any of the provisions of this Agreement.

7.22. Amendments: Only a writing executed by the parties hereto or their respective successors and assigns may amend this Agreement.

7.23. Waiver: The delay or failure of either party at any time to require performance or compliance by the other of any of its obligations or agreements shall in no way be deemed a waiver of those rights to require such performance or compliance. No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative

of the party against whom enforcement of a waiver is sought. The waiver of any right or remedy in respect to any occurrence or event shall not be deemed a waiver of any right or remedy in respect to any other occurrence or event, nor shall any waiver constitute a continuing waiver.

7.24. Severability: If any provision of this Agreement is determined by a court of competent jurisdiction to be unenforceable in any circumstance, such determination shall not affect the validity or enforceability of the remaining terms and provisions hereof or of the offending provision in any other circumstance. Notwithstanding the foregoing, if the value of this Agreement, based upon the substantial benefit of the bargain for any party is materially impaired, which determination as made by the presiding court or arbitrator of competent jurisdiction shall be binding, then both parties agree to substitute such provision(s) through good faith negotiations.

7.25. Counterparts: This Agreement may be executed in one or more counterparts, each of which shall be deemed an original. All counterparts shall be construed together and shall constitute one agreement.

7.26. Corporate Authority: The persons executing this Agreement on behalf of the parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said parties and that by doing so, the parties hereto are formally bound to the provisions of this Agreement.

7.25 Reliance on Documents provided by NCCTEA: Consultant shall not be held responsible for reasonable reliance on documentation/data, and reports provided by NCCTEA where defects or deficiencies are later found in such work, Consultant will not bear any responsibility or liability for such defects or deficiencies or for the reasonable failure to so detect. The Consultant shall not have control over or charge of and shall not be responsible for means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with any future projects.

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

NORTH COUNTY CORRIDOR  
TRANSPORTATION EXPRESSWAY  
AUTHORITY

By: William O'Brian  
William O'Brian  
Chair of the Board of Directors

Jacobs Engineering Group Inc.

By: Sherry Sweitzer  
Sherry Sweitzer  
Vice President  
Southwest Operations

ATTEST:  
MATTHEW MACHADO,  
Authority Manager

By: Matthew Machado

APPROVED AS TO FORM:

John P. Doering  
COUNTY COUNSEL

By: Thomas E. Boze  
Thomas E. Boze  
Deputy County Counsel

## **EXHIBIT A**

### **NCCTEA'S REQUEST FOR PROPOSAL**

# EXHIBIT A



**DEPARTMENT OF PUBLIC WORKS**

**Matt Machado**  
**Director**

1010 10<sup>th</sup> Street, Suite 3500, Modesto, CA 95354-0847  
Phone: 209.525.6550

May 29, 2008

«FirstName» «LastName»  
«Company»  
«Address1»  
«City», «State» «PostalCode»

Subject: Request for Proposal – North County Corridor Project

Dear Insert Prefix «LastName»:

Stanislaus County Department of Public Works (Department) is soliciting proposals on behalf of the North County Corridor Joint Powers Authority to provide professional services for project approval and environmental document (PA&ED) clearance in conformance with the Caltrans Project Development Procedures Manual for the North County Corridor Project.

Funding for this project must be identified and the Joint Powers Authority budget must be approved before a contract for services can be executed, tentatively by July 1, 2008. The intent of the work is to program this project in the 2010 State Transportation Improvement Program.

**I) INTRODUCTION**

The North County Corridor Joint Powers Authority (JPA) is soliciting proposals to provide professional services for preparation of the Project Approval and Environmental Document (PA&ED) phase for the North County Corridor Project. This project will provide viable project alternatives, a preferred alternative, and environmental clearance for a North Stanislaus County Corridor roadway alignment that would extend from a location along Dale Road, north of SR 219 / Kiernan Avenue, to a location on SR 120 to be located approximately 6.25 miles east of the City of Oakdale. This alignment may be an entirely new facility or be incorporated into the existing local road network, including a possible realignment of State Route 108 and / or an extension of SR 219. The alignment would generally be oriented east / west and to / from, SR-108 / McHenry Ave and follow the Claribel Road alignment to a new SR 120 expressway interchange to be located east of Oakdale, California within city limits.

The North County Corridor has been identified as a priority corridor by the Stanislaus Council of Governments (StanCOG), the Cities of Oakdale, Riverbank, Modesto; and the County of Stanislaus. The

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ADMINISTRATION FAX: (209) 525-6507 ♦ GIS/ TRANSIT FAX: (209) 525-4332  
IT FAX: (209) 525-6525 ♦ ENGINEERING FAX: (209) 525-4188, (209) 525-4183 ♦ ROAD MAINTENANCE FAX: (209) 525-4140

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four city and county entities have formulated a Joint Powers Authority (JPA) to develop and implement the construction of this project. The Authority is committed to development of a multi-modal transportation corridor with regional significance. The JPA, will administer this North County Corridor PA&ED.

This Request for Proposal (RFP) describes the project, the required scope of services, the consultant selection process, and the minimum information that must be included in the submitted proposals.

## **II) PROJECT DESCRIPTION**

### **A. Project Background**

In the recent years, the east and west traffic congestion in northern Stanislaus County has increased dramatically. Stanislaus County is expected to grow to approximately 823,000 residents by the year 2025. This will place tremendous pressure on the surrounding communities and their public infrastructures. According to StanCOG, the number of vehicle miles traveled in the Stanislaus region will increase by almost 70 percent; consequently, requiring more than \$3 billion in transportation infrastructure investments to address the traveling needs of their constituents in the year 2025.

Two studies have been completed recently to document the feasibility, scope, and funding needs for the project. The North County Corridor Feasibility Study was completed in January 2008. This study describes and analyzes existing conditions and anticipated constraints, potential alignments, environmental issues, future 2030 traffic forecasts, and conceptual construction cost estimates along the corridor. The North County Corridor, Preliminary Design Report (PDR) was completed in April 2008. This report further defined the conceptual alternatives along the two major alignments of the feasibility study, performed an intensive outreach program to the member agencies, Caltrans and the CTC, identified project development funding possibilities for the next phase of the project, and served as the programming document for the project in the 2008 STIP, meeting the requirements of a Project Study Report (Project Development Support), PSR/PDS per Caltrans Project Development Procedures Manual. This project is considered a local road project at this time.

The following definition of the project scope, project location, and type of facilities is subject to further studies and input from the member agencies and key stakeholders.

The Project Approval and Environmental Document (PA&ED) phase development will continue the work begun in the feasibility and preliminary design documents; continue the identification and refinement of alternatives for consideration; select the preferred alternative; and obtain the environmental clearance for the corridor, all in preparation of design and construction of the project.

This project is defined as follows:

The North County Corridor Project will provide approximately 24 miles of roadway on new alignment to enhance local traffic circulation and provide regional connectivity. The primary intent of the project is to provide a high capacity/high speed east-west roadway to accommodate anticipated traffic growth in the area, to alleviate traffic on parallel roadways, and to accommodate multi-modal travel. It is anticipated that the facility type will be a four to eight lane Class A Expressway with interchanges, at-grade intersections, grade separated railroad crossings, irrigation district crossings, frontage road and street realignments.

The study limits are defined as starting at the State Route (SR) 99/Hammett Road Interchange on the west and extending eastward to Ellenwood Road, then northward to SR-120/108. The north-south study area is roughly bounded on the south by the northern boundary of the City of Modesto, and on the north by the Stanislaus River.

The proposed roadway would be built in unincorporated Stanislaus County and is not anticipated to cross any current city boundaries, though portions of it may travel less than one mile south of Riverbank and Oakdale, and less than one mile north of Modesto.

Although agricultural lands currently flank the study area, the City of Riverbank is developing residential and commercial uses along Claribel Road between Oakdale and Roselle Roads. As traffic volume continues to increase along the SR-108/219 corridor and Claribel Road, individual City Councils and Boards of Supervisors in the affected area have expressed support for moving forward on the North County Corridor project.

## **B. Scope of Services**

The North County Corridor JPA is requesting engineering and environmental services to prepare PA&ED deliverables for the North County Corridor Project. The scope of services to be provided include all studies and activities for providing additional alternative analyses, developing the draft and final project report, providing environmental studies, and developing the draft and final environmental document for the project. This work shall be performed in accordance with the California Department of Transportation (Caltrans) guidelines including the Caltrans Project Development Procedures Manual, Local Programs Guidelines, Local Assistance Procedures Manual, Standard Environmental Reference, Highway Design Manual, all governing local agency guidelines and criteria, and other appropriate manuals for the PA&ED process.

The Consultant shall provide professional services to manage and coordinate the elements of work to provide surveys and base mapping, geotechnical studies, traffic studies, alternative analyses and

geometric approval drawings, coordinate with utility companies, right of way, value analysis, structure advanced planning studies, hydrology/hydraulics studies, storm water data reports, constructability review, construction cost estimating, environmental technical studies, prepare and conduct public meetings and workshops, perform public outreach, and additional services as may be required for the timely completion of the project.

Caltrans will be involved in the project. The scope of services is based on Caltrans Work Breakdown Structure. Below is a partial list of tasks, deliverables and descriptions. This is not intended to limit any Consultant in deriving a scope to expeditiously complete the PA&ED process for the project. The Consultant should expand and tailor this list to clearly define the project and tasks required to successfully complete the project.

### **Task 1 - Project Management & Meetings**

Consultant shall provide strong leadership and management to establish all appropriate design and management teams for the project. At a minimum, the project development team will be established to include the JPA, Caltrans, city and county staff, consultant staff, and other outside parties as appropriate. The following shall be included at a minimum:

- Facilitate and lead PDT meetings and other project communication
- Caltrans and Local Agency coordination including the development of cooperative agreements and memorandums of understanding
- Develop and monitor Workplan
- Prepare and maintain project schedule reflecting the critical path
- Prepare monthly progress reports

### **Task 2 – Public Outreach**

Consultant shall prepare and conduct a public outreach program to provide information to the general public, to satisfy the requirements for the environmental studies, and to facilitate the approval of the project. The following shall be included at a minimum:

- Plan, organize and conduct a minimum of three (3) project workshops
- Provide and maintain a project website
- News letters and project fact sheets

### **Task 3 - Surveys and Mapping**

Consultant shall provide aerial mapping and field surveys required for the proposed project. All surveys will be based on Caltrans specified horizontal and vertical control datums and be consistent with requirements for the preparation of the Project Report and Environmental Document. All mapping shall be prepared in the Microstation Format using English units.

#### **Task 4 - Traffic Studies**

The current version of the StanCOG RTP Model shall be used to perform the traffic studies for the project. The Consultant shall provide the following, at a minimum:

- Collect existing traffic data
- Prepare traffic forecasting model for the project for existing, opening and design years
- Prepare the draft and final technical memorandum for the traffic forecasting, including addressing review comments.
- Prepare a traffic operational analysis for the existing, opening and design year conditions for the alternatives
- Evaluate additional measures of effectiveness (MOEs) such as vehicle miles of travel (VMT), vehicle hours of travel (VHT), and vehicle hours of delay (VHD) with and without the Project
- Prepare the draft and final Traffic Operations Report, including addressing review comments.

#### **Task 5 - Geotechnical Studies**

Consultant shall perform preliminary investigations to determine the geotechnical considerations for design, assess potential impacts, and provide general design and construction recommendations. The investigation will support the project design and structures advanced planning studies. The information will be documented in a Geotechnical and Structures report including data for:

- Preliminary Geotechnical Report that addresses cuts, fills, miscellaneous structure and drainage facilities, and pavement structural design; and
- Structures Preliminary Geotechnical Report (SPGR) for the bridge structures subject to improvement in this project.

#### **Task 6 – Perform Additional Alternatives Analyses**

The Consultant shall develop project alternatives based upon the Feasibility Study (FS) and Preliminary Design Report (PDR). To date, this project has deferred much of the identification of alternatives to the PA&ED process. The FS and PDR shall be used as the basis for the continuing development of the project. Alternatives, new and updated, identified to be reasonable shall be developed to continue forward in the PA&ED process.

#### **Task 7 - Perform Preliminary Engineering Studies**

A range of preliminary studies is necessary to support the project report and environmental document. The Consultant shall prepare all appropriate engineering studies, as defined in Caltrans guidelines for

the project report, for the successful completion of the project. The following is an initial listing of the studies required. The Consultant shall expand on this listing as appropriate.

- Geometric Plans for Project Alternatives
- Value Analysis
- Hydraulic/Hydrology Studies
- Right of Way Data Sheets
- Utilities Requirements
- Railroad Study
- Multi-Modal Study
- Park & Ride Study
- Structure Advance Planning Studies
- Transportation Management Plan
- Project Cost Estimates
- Design Exceptions Fact Sheets
- Constructability Review
- Storm Water Data Report

#### **Task 8 - Draft and Final Project Report**

The Consultant shall prepare a Draft Project Report and Final Project Report in accordance with the guidelines provided in the Caltrans Project Development Procedures Manual (PDPM). The following is the outline of the report from the PDPM, Appendix K:

##### **Project Report Outline**

1. INTRODUCTION
2. RECOMMENDATION
3. BACKGROUND
4. NEED and PURPOSE
  - A. Problem, Deficiencies, Justification
  - B. Regional & System Planning
  - C. Traffic
5. ALTERNATIVES
  - A. Viable Alternatives
  - B. Rejected Alternatives
6. CONSIDERATIONS REQUIRING DISCUSSION

- A. Hazardous Waste
- B. Value Analysis
- C. Resource Conservation
- D. Right of Way Issues
- E. Environmental Issues
- F. Air Quality Conformity
- F. Title VI Considerations

## 7. OTHER CONSIDERATIONS AS APPROPRIATE

- Public Hearing Process
- Route Matters
- Permits
- Cooperative Agreements
- Other Agreements
- Involvement with a Navigable Waterway
- Transportation Management Plan for Use During Construction
- Stage Construction
- Accommodation of Oversize Loads
- Graffiti Control
- Other Appropriate Topics

## 8 PROGRAMMING

## 9. REVIEWS

## 10. PROJECT PERSONNEL

## 11. LIST OF ATTACHMENTS

The Consultant shall be responsible for identifying, preparing, and obtaining approval of memorandum and documents necessary for the complete processing of the Project Report, both draft and final documents, through final approvals and required signatures.

### **Task 9 - Geometric Approval Drawings for Preferred Alternative**

Once a preferred alternative is selected, the Consultant shall prepare Geometric Approval Drawings (GAD) for the appropriate phase(s) of the preferred alternative. The GADs shall include plans, profiles and typical sections at a minimum and be prepared in accordance with Caltrans Plan Preparation Manual.

## **Task 10 – Environmental Document**

### **Project Noticing, Scoping and Coordination**

Consultant shall conduct all necessary noticing and scoping activities pursuant to the requirements of the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA). The activities described below will be conducted:

- Consultant shall prepare draft NEPA Notice of Intent (NOI) for transmittal to Caltrans for publication in the Federal Register.
- Consultant shall prepare CEQA Notice of Preparation (NOP) including an attached CEQA Initial Study (IS) Checklist
- Consultant shall prepare for and conduct Scoping meeting(s). A Scoping Meeting Summary Report shall be prepared.

### **General Environmental Studies**

A range of environmental technical studies necessary to support the Environmental Document (including the EIS and EIR) has already been identified through the preparation of a Preliminary Environmental Assessment Report. All documentation will be prepared in accordance with Caltrans Standard Environmental Reference (SER). Consultant shall conduct the following technical studies to analyze potential environmental impact:

- Community Impact Assessment (CIA)
- Farmland Evaluation
- Visual Impact Assessment (VIA)
- Noise Study
- Air Quality Study
- Water Quality Study
- Energy Study
- Initial Site Assessment (ISA)
- Draft Relocation Impact Report (DRIR)
- Location Hydraulic and Floodplain Study Report
- Paleontology Study
- Natural Environmental Study (NES)
- Biological Assessment (BA)
- Wetlands Study
- Area of Potential Effects (APE) Map
- Historic Property Survey Report (HPSR)
- Archaeological Survey Report (ASR)
- Historic Resources Evaluation Report (HRER)
- Finding of Effect (FOE)

- Memorandum of Agreement (MOA)
- Section 4(f) Evaluation

### **Environmental Document**

The anticipated environmental document for the North County Corridor Project will be a combined Environmental Impact Statement (EIS), prepared pursuant to the National Environmental Policy Act (NEPA), and an Environmental Impact Report (EIR), prepared pursuant to the requirements of the California Environmental Quality Act (CEQA). Caltrans, as assigned by the Federal Highway Administration, would act as the lead agency under NEPA and CEQA.

- a) **Administrative Draft EIS/EIR** – Consultant shall prepare an Administrative Draft EIS/EIR in conformance with the document outline posted on the Caltrans SER. The document will summarize the alternatives development and screening process; document the project Purpose and Need, results of environmental technical studies, project impacts and mitigation measures; and summarize the public/agency consultation and coordination process conducted as part of environmental compliance.
- b) **Draft EIS/EIR** – Consultant shall prepare, publish and distribute the Draft EIS/EIR/Section 4(f) Evaluation. Upon receipt of approval to circulate from Caltrans, the EIS/EIR will be circulated for a 45-day public review after relevant notices are prepared and circulated. Up to two public hearings to meet NEPA/CEQA requirements will be held during this period to obtain public and agency comments.
- c) **Final EIS/EIR** – Consultant shall undertake activities necessary for the production of the Final EIS/EIR. This will include incorporating responses to comments received during the public circulation period and focusing on the identified preferred alternative. The Final EIS/EIR will include records of consultations, which must be concluded prior to publication of the Final EIS/EIR.

### **PROPOSAL REQUIREMENTS:**

In addition to addressing the above items, the Department requests that the following items be addressed and included in the proposal:

- Proposed staffing for this project.
- Staff qualifications and current and projected workload.
- Proposed project schedule including all major milestones.
- List of services that the consultant will provide including your approach to project delivery.
- Proposal to be limited to 30 pages total.

Ten copies of your proposal are due in this office by 3:00 P.M. on June 16, 2008. If your firm is short listed, interviews will be held the week of June 23<sup>rd</sup>. It is anticipated that the contract can be executed and a notice to proceed issued in July. Please include with the proposal, your fee proposal. The fee proposal must separate the project into milestones and tasks as identified in the Caltrans Project Development Procedures Manual and provide the associated fees that define the work to be accomplished. Subconsultant fees must be clearly indicated.



The proposal will be evaluated, at a minimum, based on the following:

An understanding of the work to be performed, your firm's experience with similar kinds of work, the qualifications and availability of staff for the project, your use of innovative and advanced techniques for this project or those used in previous projects, and your firm's demonstrated professional and financial responsibility.

Please submit your proposal to:

Laurie Barton, Deputy Director Engineering and Operations  
Stanislaus County Department of Public Works  
1716 Morgan Road  
Modesto, CA 95358

The proposals will be reviewed shortly after the closing date for submittal of proposals. Those firms believed to be the most qualified based on their proposal, may be subject to an interview.

Laurie Barton will be acting on my behalf as the project manager. If you have any questions regarding this request for proposals, please give her a call at 209-525-4151, or email her at [laurie.barton@stancounty.com](mailto:laurie.barton@stancounty.com).

Sincerely,

Matt Machado  
Director of Public Works

cc:

Laurie Barton, Stanislaus County Public Works Deputy Director  
Vince Harris, Stanislaus Council of Governments  
Rich Holmer, City of Riverbank  
James Niskanen, City of Modesto  
Steve Hallem, City of Oakdale  
Dave Myers, NCC TAC  
JD Hightower, NCC TAC  
Firoz Vohra, NCC TAC  
Carlos Yamzon, NCC TAC

**EXHIBIT B**

**CONSULTANT'S RESPONSE TO NCCTEA'S REQUEST FOR PROPOSAL**

# **EXHIBIT B**



180 Promenade Circle, Suite 300  
Sacramento, CA 95834 U.S.A.  
(916) 929-3323 Fax: (916) 929-1772

June 16, 2008

Ms. Laurie Barton  
Deputy Director – Engineering and Operations  
1716 Morgan Road  
Modesto, CA 95358

Dear Ms. Barton:

Reference: Proposal to provide professional services in the preparation of Project Approval and Environmental Document (PA&ED) for the North County Corridor

Jacobs Carter Burgess is excited at the prospect of serving the North County Corridor Transportation Expressway Joint Powers Authority (JPA) in collaboration with the Stanislaus County, cities of Modesto, Riverbank, and Oakdale, Stanislaus Council of Governments (StanCOG) and Caltrans on the preparation of a PA&ED for the North County Corridor (NCC) Project. As you are aware, our team successfully executed an innovative and expedited approach that enabled StanCOG to secure funding for this phase of the project. To build on this success, our firm has charged me, **Kris Balaji**, Director of Transportation, to personally manage the project as its Project Manager. In addition to all members of the dynamic team that helped deliver the NCC Preliminary Design Report (PDR), I have added an exceptional team of Jacobs Carter Burgess personnel and sub consultants to lead the project to success. In the enclosed proposal, we have outlined our creative approach to accomplish the immediate intent of the JPA to secure Interregional funding in the 2010 State Transportation Improvement Program, and successfully complete an environmental document that would expedite construction of the project in phases.

Among a host of other strengths, the Jacobs team brings the following key advantages to assist the JPA.

**Understanding Of The Work To Be Performed** – Our prior work on the NCC PDR provided our team of exceptionally qualified professionals with a thorough understanding of the work to be performed. We have added an array of local firms, national experts and personnel well familiar with the locality and the project. Moreover, our team is well versed with the Caltrans Project Development methodology and STIP programming requirements that will be essential for this project. **Theron Roschen**, a former local agency Chief Engineer, will be the Deputy Project Manager and will aptly contribute to this project his 21+ years of transportation experience and his insight of local jurisdiction transportation issues.

**Experience With Similar Projects** – Our team has successfully obtained environmental approval for numerous roadway, bridge, and interchange projects that are substantially similar in complexity as the NCC project. The team has completed similar projects under Caltrans oversight and has developed extraordinary relationships with them through the years. **Mike Davis**, the Environmental Practice Leader for Jacobs Carter Burgess, will serve as the Environmental Manager for this project and will bring national experience with a depth of knowledge to creatively guide the environmental review.

**Strong Project Leadership, Availability And Qualifications of Staff** - By committing its Director of Transportation Program as the Project Manager, Jacobs Carter Burgess has demonstrated its understanding of the importance and complexity of this project, and the leadership required to deliver success. Our Engineering Lead, **Leo Heuston**, is highly skilled technically and will provide the continuity from the past study of the corridor. Our team has been advocating for this project for many months and is committed and available to deliver the desired results. Our team is experienced with the local political issues and processes, and is confident that it will balance the needs of the various jurisdictions in successfully completing the project. Essential in these efforts will be the public outreach elements performed by **Judith Buethe**. She has vast experience on more than 175 public outreach projects throughout the Central Valley.

**Use of Innovative And Advanced Techniques For Projects**– Though the project is considered a “local road project” at this time, it is critical to complete a state route adoption by the California Transportation Commission and designate the facility as an interregional system in order to receive the Interregional funding from Caltrans in the 2010 STIP. Therefore, Jacobs Carter Burgess proposes a “step-wise environmental approach” for this project that would enable timely completion of necessary environmental approvals required for route adoption and interregional designation. These first phase milestones are pre-requisites to receive the Interregional funding in 2010 STIP. Upon route adoption, the team would leverage the work performed for the first phase to expedite delivery of a “hybrid EIS/EIR “. The hybrid EIS/EIR is a program/project-level EIR for CEQA and a Tier 1 EIS to meet NEPA compliance requirements.

**Firm's Demonstrated Professional And Financial Responsibility**– A publicly traded firm on the New York Stock Exchange, you will see that our firm has a demonstrated financial responsibility with over 50,000 professionals providing exceptional service to clients around the world.

**Teamwork, Emphasis On Customer Satisfaction And Community Partnerships**– Our team specializes in collaboration and teamwork. We pride ourselves on proactive planning, timely communication, value, and innovation. Our firm's emphasis on customer satisfaction will be evident by the Client Expectation Survey you will receive at the beginning of the project, followed by monthly Client Satisfaction Surveys till project completion. Our goal is get 100% satisfaction in ALL Client Satisfaction Surveys. Most of all, we pride ourselves on building partnerships with the community and their staff representatives to ensure that this project will be completed on time and within budget. To demonstrate our community partnerships, keeping in mind the need to stimulate local economy, we have added a number of well qualified local firms to our team. We are even pondering the possibility of opening a project office in Stanislaus County on gaining your approval to deliver this project.

As successfully demonstrated in the past, we are confident that we will yet again fulfill your goals for this project through our commitment to quality, attention to stakeholder needs, judicious leveraging of our relationships to proactively solve issues and successfully managing the cost, scope and schedule. I can be reached at (916) 929-3323 (Office), (916) 799-6779 (cell), or via email at Kris.Balaji@jacobs.com to further discuss our solutions for this project.

We have reviewed the sample Professional Services Agreement and find it generally acceptable as a basis for contracting. However, as we have done for a recent contract with StanCOG, we would like to suggest modifications to the Consequential Damages and General Limitation of Liability, Indemnity and Insurance sections of the contract.

Thank you for providing us with the opportunity to respond to your request for proposal.

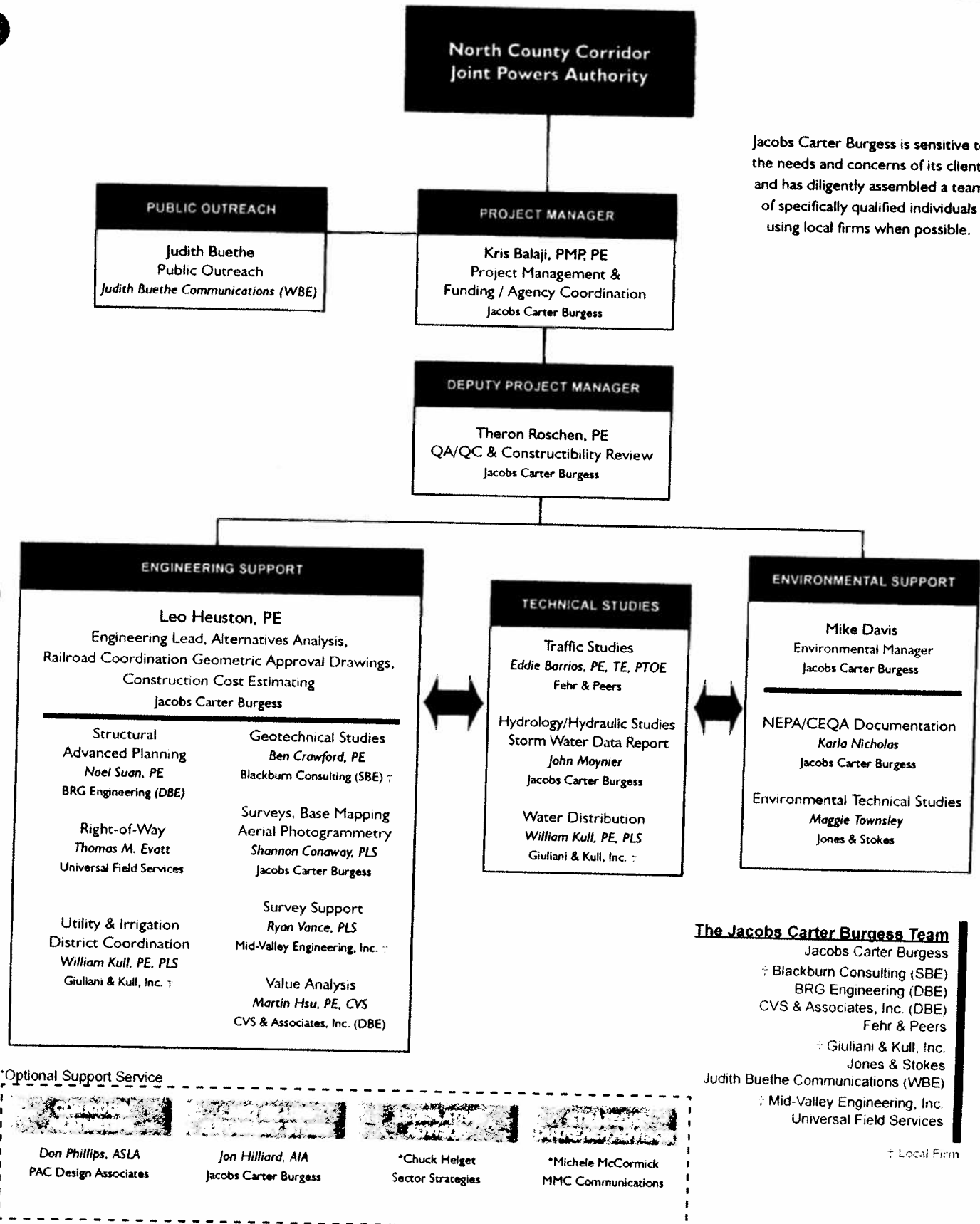
Sincerely,



Kris Balaji, PE, PMP  
Project Manager/Director of Transportation Program  
Jacobs Carter Burgess

North County Corridor Joint Powers Authority -  
PROPOSAL RESPONSE FOR THE NORTH COUNTY CORRIDOR PROJECT  
**Section 1: Proposed Staff**

Jacobs Carter Burgess is sensitive to the needs and concerns of its clients and has diligently assembled a team of specifically qualified individuals using local firms when possible.



**KRIS BALAJI, PMP, PE - Project Manager/Funding & Agency Coordination**  
**Jacobs Carter Burgess**
**YEARS OF EXPERIENCE:**

- 20

**EDUCATION:**

- Master of Science  
Civil Engineering  
West Virginia University
- BS Civil Engineering,  
Annamalai University,  
India

**REGISTRATION:**

- Professional Engineer  
State: CA, No. 50010
- Project Management  
Professional

**MEMBERSHIPS AND  
ASSOCIATIONS:**

- Sacramento County  
Arden/Arcade Planning  
Commission - Council  
Member
- Board of Directors, ITS,  
California
- ASCE - Associate  
Member
- ITE - Associate Member

Mr. Kris Balaji serves as a unit manager in the Jacobs Carter Burgess Transportation Program. He brings more than 15 years of experience with the California Department of Transportation (Caltrans), advancing from a highway and bridge design engineer to State Traffic Engineer. As State Traffic Engineer, Mr. Balaji was responsible for activities associated with the effective operation of more than 50,000 lane miles of the state highway system. He managed a \$300 million budget and oversaw activities of more than 1,500 personnel in each of Caltrans' 12 district offices and 350 professional staff at the headquarters. He set statewide policies in system management and operation, including highway safety, ramp metering, incident management, signs and delineation and Intelligent Transportation Systems (ITS) standards. During his tenure with Caltrans, he also served as the Deputy District Director for Maintenance & Operations in District 6 and as the Deputy District Director for Environmental Planning in District 8. As part of the Caltrans' executive management team, he interacted with a varied cross-section of clients including legislators, local transportation and federal highway agencies, California Transportation Commission, and officials from the state and federal regulatory agencies.

**Relevant Project Experience:**

**North County Corridor Preliminary Design Report**, Stanislaus County, CA - Project Manager. Mr. Balaji was responsible for the overall management and successful completion of the project. He served as the single focal point for the project reporting directly to the StanCOG's Project Manager. His day-to-day activities included ensuring adherence of the project to the established cost, scope and schedule. He was also responsible for communication with the stakeholders and resource agencies to represent the project on behalf of StanCOG at the community meetings, and, make presentations to the elected/public officials. Most notably, Mr. Balaji was instrumental in delivering an innovative strategy that resulted in completion of an environmental scoping document and securing \$6.2 million in the 2008 State Transportation Improvement Program (STIP).

**State Route 132 Connectivity Feasibility Study**, Stanislaus County, CA - Project Manager. Mr. Balaji was responsible for the project management and feasibility studies for the realignment of State Route 132 at State Route 99. The project involved conducting feasibility studies on three alignments to establish a major 4-lane east-west connection for SR132 across SR 99, from the "D" Street to a new SR 132/SR 99 interchange proposed south of the existing SR 99/Kansas Avenue interchange at the ultimate SR 132 West alignment.

**Sunrise Boulevard Widening Project**, Rancho Cordova, CA - Project Director. Jacobs Carter Burgess is preparing the preliminary and final design for the approximately 1.5 mile widening project. The work includes surveys and right of way engineering, alternatives analysis and design, drainage facilities, utilities, structures, and coordination of engineering alternatives with the environmental study, and right of way acquisitions. The proposed project involves widening Sunrise Boulevard from 2 to 5 lanes, reconstructing 0.5 miles of State Route 16 (Jackson Highway) from 2 to 4 lanes and widening/replacing the Laguna Creek Bridge on SR 16. The estimated construction cost is \$13 million.

**Project Visioning Workshop for Elk Grove - Rancho Cordova - El Dorado Hills Connector Joint Powers Authority (JPA)**, CA - Project Manager. Jacobs Carter Burgess conducted a focused workshop for the JPA Board to illustrate viable options on the delivery of this approximately 35-mile, \$1 billion facility that provides a bypass from Interstate 5 at Elk Grove to US-50 at El Dorado Hills. The options included public-private partnership, tolling, user fees and other creative funding strategies. The team also provided innovative environmental approaches to expedite delivery of the project. As a result of the discussion, the JPA Board released a revised Request for Proposals to deliver the environmental phase of the project.

**THERON ROSCHEN, P.E. - Deputy Project Manager**

Jacobs Carter Burgess

Mr. Theron Roschen is a Transportation Program Manager with Jacobs Carter Burgess. In his career, with Sacramento County Department of Transportation, he was directly involved with the design of 140 lane miles of roadway expansion, 37 traffic signals, eight freeway interchange modifications, 17 bridges (one movable).

Previously, Mr. Roschen served as the Chief Engineer for the Sacramento County of Transportation Design Services Division. He is a highly skilled project delivery manager who has experienced widespread success at leading and managing diverse teams, processes and budgets. He managed a design services unit with a staff of 38 engineers, landscape architects, and technicians, operating approximately 60 active projects with budgets that averaged yearly capital outlays of more than \$30 million.

Mr. Roschen is adept at project scoping, budgets, environmental review, utility coordination and community involvement. He has led right-of-way programs, managed cooperative agreements and other legal documents, and overseen permitting, private development coordination and public involvement. He is skilled at obtaining approval from elected bodies, coordinating construction issues, administering design policies and procedures, and selecting and training employees. He also has overseen the engineering consultant selection process and prepared federal and state funding programs reports.

Mr. Roschen has been trained in Total Quality Management, meeting facilitation, media relations and effective communications. Mr. Roschen has performed numerous constructability reviews as part of his duties with Sacramento County and has a keen understanding of how to optimize bids while minimizing the impact on the motoring public. He has also implemented a QA/QC program at the County and collaborated with Caltrans District 3 to implement a local agency QA/QC submittal checklist program.

**Relevant Project Experience:**

**\*Watt Avenue Bridge Project over the American River**, Sacramento, CA - Project Manager. Responsible for design and construction oversight on a \$17 million bridge expansion from 4 to 8 lanes. Provided communication community groups, organizations, and individuals from before the approval of the environmental document; continuing through the responses to lawsuits; and concluding with the construction.

**\*Hazel Avenue Corridor Project - US 50 to Madison Avenue (with bridge expansion over the American River)**, Sacramento, CA - Project Manager. Responsible for design oversight on a \$79 million total project cost that proposes to widen the roadway from 4 to 6 lanes. First phase for the bridge expansion will bid in summer of 2008. The later phase of the project will require the removal of 44 homes. Though an innovative community involvement process, the project EIR was unanimously approved by the Board of Supervisors and FHWA.

**\*Conversion of Mather Air Force Base to Civilian Use**, Sacramento, CA - Project Manager. Developed transportation improvement projects for the conversion of Mather Air Force Base to civilian use. Managed design projects that consisted of new street lighting and traffic signals, new roadways and widening of intersections, and the construction of sidewalks. Infrastructure improvements included new drainage systems, replacement of damaged sanitary sewer facilities, and upgrades to the gas, telephone and electrical systems. A majority of the work was funded by grants from the Federal Department of Commerce, Economic Development Administration totaling \$9.75 million, with \$3.25 million in local matching funds.

**YEARS OF EXPERIENCE:**

• 21

**EDUCATION:**

- Bachelor of Science,  
Civil Engineering,  
California State  
University Sacramento

**REGISTRATION:**

- Professional Engineer  
State: CA, No. 45417

**NOTABLE AWARDS**

- 2007 Project of the Year Calvine Road Project, American Public Works Association - Sacramento Chapter
- 2005 Project of the Year - Franklin Thornton Bridge, American Public Works Association - Sacramento Chapter
- 2004 Project of the Year - I-80, Elkhorn/Greenback Interchange, Madison Interchange, Sacramento Council of Government
- Excellence in Highway Design Honorable Mention - Watt Avenue Bridge at American River, Federal Highway Administration, 2004
- 2003 Project of the Year - Watt Avenue Bridge at the American River, California Transportation Foundation
- 2003 Project of the Year Elkhorn/Greenback I-80 Interchange, American Society of Civil Engineers Sacramento Chapter
- APWA Award - Northern California Rubberized Asphalt Concrete Technology Center, American Public Works Association
- 2001 Caltrans Excellence Award Project Delivery for I-80 HOV, Caltrans

**\*PRIOR FIRM EXPERIENCE**



**YEARS OF EXPERIENCE**

- 28

**EDUCATION**

- Masters of Urban  
Regional Planning, Urban  
and Regional Planning,  
Texas A&M University  
College Station
- Bachelor of Science,  
Geography,  
University of North  
Alabama

**MIKE DAVIS - Environmental Manager**  
 Jacobs Carter Burgess

Mike Davis has more than 28 years experience in directing preparation of environmental impact assessments, alternatives analyses and environmental screening studies for transit and roadway projects. Mr. Davis manages large-scale, controversial transportation environmental review projects and provides environmental strategy consulting to resolve complex environmental processing issues. He is one of the Bay Area's transportation community's most respected environmental compliance strategists with extensive working knowledge of the National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA) and associated federal, state, and local regulations. Mr. Davis has prepared environmental impact statements (EISs) for rail, transit and highway projects and environmental assessments (EAs) for transit centers and roadway grade separations.

**Relevant Project Experience:**

**San Francisco-Oakland Bay Bridge East Span Seismic Safety, San Francisco and Alameda Counties, CA** - Mr. Davis was consultant team Environmental Manager for the preparation of the NEPA EIS for the new Bay Bridge East Span. This \$2.6 billion construction project required fast-track preparation of a Draft EIS in approximately 13 months. The EIS addressed multiple retrofit and replacement alternatives and address highly complex San Francisco Bay ecosystem impacts. The EIS was completed in record time (less than 3 years) and was not subject to litigation. Mr. Davis prepared the EIS under the employ of Parsons Brinkerhoff and ICF Jones & Stokes and has continued to provide environmental strategy support to Caltrans as a Jacobs employee.

**Highway 101 Greenbrae/Twin Cities Corridor Improvements, Marin, CA** - As Environmental Advisor Mr. Davis's duties included preparing a transportation corridor study for a critical link in the Highway 101 freeway corridor through the County for the Transportation Authority of Marin County (TAM). A large component of this project includes significant public outreach, agency coordination and involvement, and community consensus building for multi-modal solutions (roadway, bus transit, commuter ferry connections, and bicycle facilities).

**Bayview Traffic Circulation Improvements EIS/EIR, San Francisco, CA** - Mr. Davis held the position of Environmental Advisor and was responsible for taking the Bayview project through the NEPA/404 MOU initial consultation and NEPA/CEQA Scoping processes and has supported development of an administrative draft EIR/EIS to Caltrans SER requirements. This project involved developing a truck route through the Bayview neighborhood of San Francisco to serve local industry and to provide access to the Hunters Point redevelopment area. An aggressive visible community outreach process was implemented for this high-profile environmental justice community. The project is a joint venture of Jacobs and ICF Jones & Stokes.

**BART Earthquake Safety Environmental Consultant On-Call, Oakland, CA** - Serving as Program Manager, Mr. Davis was responsible for the task order contract to obtain environmental approvals for up to \$1.2 billion of seismic retrofit improvements to existing BART aerial structures. Caltrans and FHWA are the lead agencies for NEPA review. Mr. Davis managed the preparation of the NEPA documentation for approximately 25 miles of BART aerial structure and additional CEQA documentation for improvements to buildings and communications facilities.

**Caltrans Statewide Environmental Policy On-call Contract, Sacramento, CA** - Mr. Davis served as Environmental Consultant and provided environmental policy consulting to Caltrans Office of Environmental Analysis in the development of the NEPA Delegation applications under SAFETEA-LU Sections 6004 and 6005. Mike was retained by Caltrans because of his knowledge of Caltrans and FHWA environmental procedures. In addition, Mr. Davis co-taught with the Caltrans Local Assistance Environmental Process classes to local agency planners and engineers throughout Caltrans districts.

**LEO HEUSTON, P.E. - Engineering Lead**

Jacobs Carter Burgess

Leonard (Leo) Heuston is a Senior Engineer with over 23 years of Civil Engineering experience emphasizing the design and construction of highway related transportation projects. Mr. Heuston's prior experience as Senior Engineer involve all phases of the design and construction of a wide variety of highway projects. Mr. Heuston has had direct responsibility for environmental studies, feasibility studies, preliminary and final design, technical specifications, cost estimation, permitting and agency coordination, and construction contract administration.

**Relevant Project Experience:**

**North County Corridor, Stanislaus County, CA** - As Senior Project Engineer, Mr. Heuston was responsible for providing conceptual engineering and alternative analyses as part of a transportation corridor study in addition to preparing the Preliminary Design Report. His duties also included providing close support to the Project Manager.

**Sunrise Boulevard Widening Project, Rancho Cordova, CA** - Serving as Project Manager, Mr. Heuston was responsible for the preparation of preliminary and final design for the \$13 million widening project. The Project involved widening Sunrise Blvd from 2 to 5 lanes, reconstructing 0.5 miles of State Route 16 from 2 to 4 lanes and widening/replacing the Laguna Creek Bridge on SR 16.

**\*Cypress Road Widening and Bridge Replacement, Redding, CA** - Mr. Heuston's duties as Lead Engineer to provided preliminary engineering and final design to widen Cypress Avenue from 4 to 6 lanes, replace the Cypress Avenue Bridge over the Sacramento River, widen Athens Avenue, Park View Avenue and Park Marina Drive. Project included complex staging of improvements, extensive utilities including 24-inch water and 18-inch sewer relocations, drainage systems, signals, lighting and landscaping.

**YEARS OF EXPERIENCE**

- 24

**EDUCATION**

- Bachelor of Science  
Civil Engineering  
California State  
University Chico

**REGISTRATIONS AND  
CERTIFICATIONS**

- Professional Engineer,  
CA. No. 42250

**NOTABLE AWARDS**

- The Las Vegas Beltway was named as one of the top ten Road Projects in 2002 by "Road & Bridges" magazine
- HWY 50 Meyers Erosion Control Project- "Dare to Soar" Award from the Caltrans District 03 Director
- The efforts involving relocation of utilities won TRPA's "Best of the Basin" award.

**\*PRIOR FIRM EXPERIENCE**

**JOHN MOYNIER - Storm Water Data Report, Hydrology/Hydraulic Studies**

Jacobs Carter Burgess

Mr. Moynier has extensive experience managing complex water resources projects, including CEQA/NEPA documents for large water resources, public infrastructure, flood management, and development projects. Mr. Moynier brings extensive communication and planning experience. Mr. Moynier's primary areas of professional strength and experience are in conducting environmental analyses, water resource management, water rights, and water supply assessments. Mr. Moynier is also recognized as an industry leader in the fields of resource planning and public relations, including coordinating stakeholder outreach, media relations, and public presentations.

**Relevant Project Experience:**

**\*Salida Community Plan EIR (PBS&J), Salida, CA** - Mr. Moynier served as Technical Manager for the water resources sections (water, wastewater, stormwater, flood, recycled water) of the Salida Community Plan Update EIR prepared for the Stanislaus County Planning Department. In addition, Mr. Moynier served as Project Manager for a Master Water Supply Assessment, as well as technical issues associated with the floodplain coordination and hydraulic studies.

**\*California DWR - CEQA Alternatives for California Flood Plan/ State Plan of Flood Control, Sacramento, CA** - Mr. Moynier served as a key member of the internal strategic team charged with implementing the planning components of California Bond Measure 1E, specifically with respect to consideration of alternative approaches to the required environmental analyses associated with such an approach for improving the state's flood protection.

**YEARS OF EXPERIENCE**

- 25

**EDUCATION**

- Bachelor of Arts,  
Geography-Ecosystems  
University of California  
Los Angeles

**\*PRIOR FIRM EXPERIENCE**

**YEARS OF EXPERIENCE**

- 31

**EDUCATION**

- Bachelor of Science,  
University California,  
Davis
- Masters Degree,  
University of San  
Francisco

**PARTIAL PUBLIC  
AGENCY LIST**

- City of Lathrop
- City of Lodi
- City of Riverbank
- City of Stockton
- Oakdale Irrigation District
- San Joaquin Area Flood  
Control Agency
- San Joaquin Council  
of Governments
- San Joaquin County  
Public Works
- Stanislaus Council of  
Governments
- Stanislaus County  
Public Works

**YEARS OF EXPERIENCE**

- 11

**EDUCATION**

- Bachelor of Science,  
Civil Engineering,  
University of California,  
Berkeley

**REGISTRATIONS AND  
CERTIFICATIONS**

- Licensed Professional  
Civil Engineer  
CA, No. 61847
- Licensed Professional  
Traffic Engineer,  
CA, No. 2179
- Professional Traffic  
Operations Engineer  
Certification No. 1321

**PUBLICATIONS AND  
PRESENTATIONS**

- *Help! My Project Gets  
Lost in the Regional  
Model*, ITE Presentation
- *The Best Simulation Tool  
For Bus Operations*,  
ITE Conference Paper

**JUDITH BUETHE - Public Outreach**

**Judith Buethe Communications**

Judith Buethe, founder and owner of Judith Buethe Communications, has more than thirty years of private and public sector experience in organization, public relations, and consensus building. She has managed more than 175 public outreach projects throughout California's Central Valley and foothills.

**Relevant Public Outreach and Community Involvement Experience:**

**SR 88 Bypass Feasibility Study and PSR, Stockton, CA** - Ms. Buethe developed and implemented public outreach programs for the Feasibility Study and Project Study Report phases. In addition to public meetings, direct mail, advertising, news releases, hotlines, coded stakeholder lists, and other public outreach strategies, Ms. Buethe and her team surveyed businesses and property owners on community values, as well as recruited and staffed a Citizens Task Force to advise the project team.

**Arch Road/State Route 99 Interchange Project, Stockton, CA** - Ms. Buethe and her team developed and performed public outreach activities from early design through construction to the grand opening. Ms. Buethe and her team surveyed residents door-to-door to satisfy environmental justice issues and met with individual businesses and property owners to learn their specific concerns.

**San Joaquin Valley Corridor Study for Caltrans' Division of Rail, San Joaquin County, CA** - Ms. Buethe developed an extensive and effective community outreach and awareness program extending from Contra Costa County through Sacramento, south to Kern County. Outreach included 10 public meetings, meetings with the Rail Committee for the San Joaquin, newsletters, direct mail, advertising, news releases, hotlines, coded stakeholder lists, and other tactics. Materials were provided in both English and Spanish.

**EDDIE BARRIOS, PE, TE, PTOE - Traffic Studies**

**Fehr & Peers**

Mr. Barrios, an Associate with Fehr & Peers, has over 11 years of experience in transportation planning and engineering studies, micro-simulation modeling for detailed traffic operations, and civil design projects. Mr. Barrios has worked closely with Caltrans District 10 traffic operations staff on a number of project development studies in the last five years and was also the Jacobs Carter Burgess team for the prior State Route 132 Development Report Project.

**Relevant Project Experience:**

**North County Corridor Feasibility Study and Preliminary Design Report, Stanislaus County, CA** - These studies were performed as part of the project development process for the North County Corridor Project. As traffic operations manager, Mr. Barrios performed, coordinated, and checked the traffic operations and forecasting analysis for this project.

**I-5/French Camp and Sperry Road PR/ED, Stockton, CA** - This study evaluated proposed improvements to the I-5/French Camp Road interchange and Sperry Road extension. Six interchange alternatives including a single-point interchange and three horizontal alignments for the Sperry Road extension were evaluated. As traffic operations manager, Mr. Barrios performed, coordinated, and checked the traffic operations and forecasting analysis for this project.

**I-5 North Stockton PSR and PA/ED, Stockton, CA** - This project included improvements at two existing interchanges, construction of two new interchanges, and I-5 mainline widening from Country Club Boulevard to Eight Mile Road. The mainline widening included a mixed-flow lane alternative and an HOV lane alternative. As traffic operations manager, Mr. Barrios performed, coordinated, and checked the traffic operations and forecasting analysis for this project.

**Section 2: Staffing Qualifications & Workload**

**SHANNON CONAWAY, PLS - Base Mapping & Aerial Photogrammetry**

Jacobs Carter Burgess

Mr. Conaway, a Survey Project Manager for Jacobs Carter Burgess, has extensive experience in managing public infrastructure survey projects. He schedules all control, design and construction surveying activities and provides for quality control. He supervises field and office personnel in the completion of all surveying and mapping tasks. His professional experience has included survey operation, management, field and office techniques, aerial photogrammetry, base mapping and computer systems technology.

**Relevant Project Experience:**

**Department of Transportation On Call Survey Services, Yolo County CA** - Project Manager. Provide on call survey services for County transportation projects. Services include: design surveys, site planning surveys, boundary surveys, construction staking, volume calculations, easement description and exhibits, Record of Survey and topographic mapping.

**Main Street and Hughes Avenue Design Surveys, Grass Valley, CA** - Serving as Project Manager, Mr. Conaway provided design surveys, utility research and right of way analysis on approximately 1 mile of roadways in the City of Grass Valley. He reduced the field observations and determined the final right of way limits for each roadway, as well as, topographic base map for the project for use on future roadway expansion and improvements.

**Elk Grove Boulevard Right of Way Survey, Elk Grove, CA** - As Project Manager, Mr. Conaway conducted extensive research to determine the right of way for Elk Grove Boulevard through the historic district of the City of Elk Grove. Analyzed the record data and directed the field crew in the collection of boundary monuments and accessory ties.

**YEARS OF EXPERIENCE:**

- 13

**EDUCATION:**

- Bachelor of Science,  
Surveying Engineering,  
California State  
University Fresno

**REGISTRATION:**

- Professional  
Land Surveyor  
CA, No. 7537

**Ryan Vance, PLS - Base Mapping & Aerial Photogrammetry**

Mid-Valley Engineering, Inc.

Mr. Ryan Vance is a Senior Surveyor with Mid-Valley Engineering, headquartered in Modesto and established in 1969. Mr. Vance has over 15 years experience in the field of land surveying. His experience includes land development, property descriptions, ALTA land title surveys, and possesses strong skills in conventional and GPS surveying techniques.

**Relevant Project Experience:**

**Bridle Ridge is a 509± acre Annexation, Oakdale CA** - Mr. Vance was an integral part of the team that completed the annexation, boundary surveys, topographic surveys, rough grade, in-tract improvements, roadway improvements and survey monumentation within the City of Oakdale. Mr. Vance also coordinated with Caltrans for the integration of State Highway 108 for the initial phase of approximately \$70 million worth of roadway and infrastructure design.

**INTERSTATE 5, Stockton, CA** - Mr. Vance managed the surveying of 8+ miles of Interstate 5 for improvements from Country Club Boulevard to the North Gateway Interchange. Mr. Vance coordinated with the City of Stockton and Caltrans on the establishment of survey controls and aerial photographer for aerial topographic mapping and high-resolution ortho photography of the project site.

**INTERSTATE 205, Tracy, CA** - Mr. Vance was responsible for managing the surveying of 3+ miles of Interstate 205 from Mountain House Parkway to Tracy Boulevard to include right-of-way surveying/mapping and aerial, ground and bathymetric surveys for under and over crossings. He also coordinated with an aerial photographer for aerial topographic mapping and high-resolution ortho photography of the project site.

**YEARS OF EXPERIENCE:**

- 15

**EDUCATION:**

- Associates Degree  
Computer Aided  
Drafting, Oregon  
Polytechnic Institute,  
Portland

**REGISTRATION:**

- Professional  
Land Surveyor  
CA, No. 8225

**YEARS OF EXPERIENCE**

- 23

**EDUCATION**

- Bachelor of Science,  
Civil Engineering,  
California State  
University, Sacramento

**REGISTRATIONS AND CERTIFICATIONS**

- Professional Engineer,  
CA, No. 43024

**NOTABLE AWARDS**

- Eagle Award  
from Caltrans  
Highway 50 –  
Auxiliary Lane Project

The project team which includes BRG Engineering received an Eagle Award from Caltrans recognized for project performance.

**NOEL J. SUAN, P.E. - Structural Engineering**  
**BRG Structural Engineering**

Mr. Noel Suan brings over 22 years of extensive engineering experience involving the design and construction of bridge and transportation structures. His overall project experience has provided him with a solid knowledge and expertise in bridge engineering and bridge planning studies which includes providing structural investigation in support of the Feasibility Study Report prepared for Stanislaus Council of Governments State Route 132 East / West Connectivity Project.

**Relevant Project Experience:**

**I-5 Riverfront Reconnection Project, Sacramento, CA** - This is an on-going project between Capitol Mall/Crocker District and the Riverfront over the existing I-5 Freeway in Sacramento. Mr. Suan completed Advance Planning Studies for three conventional bridge structure alternatives to improve access for vehicular, pedestrian, and bicycle traffic.

**Highway 50 – Auxiliary Lane Project, Sacramento County, CA** - The project proposes to add auxiliary lanes along the existing US Highway 50 between Sunrise and Folsom Boulevard in Sacramento County. Mr. Suan was responsible for preparing Advance Planning Studies (APS) for three bridge structure alternatives.

**SR22 Widening Project Design-Build, Orange County, CA** - 12 miles of freeway widening and modifications to existing bridges to increase traffic flow and enhance safety conditions within this major corridor. Mr. Suan performed the independent design checks of three bridges including the widening of Newland Bridge U.C., the widening of Santiago Creek Bridge, and the replacement of the E22-N5/ 22 Connector Separation.

**YEARS OF EXPERIENCE**

- 6

**EDUCATION**

- Bachelors of Science,  
Civil Engineering,  
California Polytechnic  
State College, San Luis  
Obispo, CA

**REGISTRATIONS AND CERTIFICATIONS**

- Professional Engineer,  
CA, No. 68457

**BEN CRAWFORD, P.E. - Geotechnical Engineering**  
**Blackburn Consulting, Inc.**

Mr. Ben Crawford has recently provided geotechnical engineering services for several local Caltrans oversight projects including: SR 99 Widening in Manteca, CA, SR 120 / Union Road Interchange in Manteca, CA, SR 120 / Austin Road Interchange in Manteca, CA, and SR 120 / Airport Way Interchange in Manteca, CA. Mr. Crawford has prepared Caltrans Preliminary Foundation, Preliminary Geotechnical, Geotechnical Design, Foundation, and Material reports for bridges, interchanges, and local government infrastructure projects.

**Relevant Project Experience:**

**State Route 120 Union Interchange, Manteca, CA** - Replaced the existing Union Road Overcrossing Bridge, widening and reconfiguring the existing on and off ramps, and constructing partial cloverleaf on-ramps to allow for continued and future growth in the Manteca area. Mr. Crawford's work included review of as-builts, aerial photographs and federal databases as well as, the preparation of both a Preliminary Foundation Report and Initial Site Assessment for the PSR.

**Grant Line Road Widening and SR 99 Interchange Reconstruction, Elk Grove, CA** - Mr. Crawford was a significant lead in the completion of both the geotechnical and environmental documentation for this project. The scope included the Foundation, Geotechnical Design and Materials Reports for reconstruction of the existing interchange, associated frontage road, and Grant Line Road corridor improvements as well as preparing the Hazardous Materials Site Investigation Reports for an industrial storage site within the new ramp limits, and completed an Aerially Deposited Lead (ADL) Evaluation report to address the potential for encountering ADL during site grading activities along SR 99. All work within the proposed budget and schedule.

**KARLA NICHOLAS - Environmental Engineering Support**  
Jacobs Carter Burgess

Ms. Karla Nicholas has extensive experience in environmental planning for complex transportation projects, including road and highway improvements, transit and rail corridor projects, and bridge retrofit and replacement. She is accomplished in NEPA/CEQA environmental review and permitting, public outreach, and regulation for the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Caltrans, and other state and local agencies.

**Relevant Project Experience:**

**Bay Area Rapid Transit District BART Earthquake Safety Program, San Francisco Alameda and Contra Costa counties, CA - Senior Environmental Planner.**

**City of Emeryville I-80/Ashby-Shellmound Interchange Improvements Project, Alameda County, CA - As Senior Environmental Planner** Ms. Nicholas prepared Environmental Assessment/Initial Study (EA/IS) and was the primary author of the Environmental Assessment/Initial Study for interchange improvements to the I-80/Ashby-Shellmound Interchange.

**City of Martinez Martinez Intermodal Station Project, Contra Costa County, CA** - In her roles as Senior Environmental Planner, Ms. Nicholas was the principal author of the Initial Study for parking expansion at the City of Martinez Intermodal Station.

**Alameda County Congestion Management Agency I-580 Eastbound High-occupancy Vehicle (HOV) Lane Environmental Update, Alameda County, CA - As Project Manager.** Prepared the Environmental Assessment/Initial Study (EA/IS).

**YEARS OF EXPERIENCE**

• 29

**EDUCATION**

Certificate, Land Use and Environmental Planning Program, University of California, Davis

**MAGGIE TOWNSLEY - Environmental Support**  
Jones & Stokes

Ms. Maggie Townsley has specific experience with CEQA/NEPA compliance and impact analysis; land use planning and impact analysis, planning policy consistency assessment; environmental documentation; geological studies, and project management. She manages projects for CEQA and NEPA documents and related regulatory compliance documents for land use planning, transportation, wastewater, and water projects.

Ms. Townsley is a course instructor for FHWA's Local Assistance Environmental Procedures Handbook and for NEPA, SAFETEA-LU Delegation and CEQA classes through the University of California Extension programs including EIS/EIR preparation and NEPA refresher courses.

**Relevant Project Experience**

**I-80/I-680/SR 12 Interchange Improvement Project EIR/EIS—Solano Transportation Authority, Solano County, CA - Ms. Townsley serves as Project Director for the EIR/EIS for the \$1 billion interchange improvement project affecting 11 interchanges in the Fairfield-Solano County area.** Coordinates extensively with Caltrans District 4, FHWA, local agencies, and resource agencies for NEPA/404 MOU, screening criteria, and alternatives development. She developed a hybrid approach to environmental compliance that allowed for NEPA clearance on smaller segments of the project and CEQA clearance on the larger project.

**I-5/Cosumnes River Boulevard Interchange, City of Sacramento, CA - Ms. Townsley served as Principal-in-Charge for the extension of the existing Cosumnes River Boulevard to a new interchange with I-5 and new intersections at Franklin Boulevard in the community of Freeport.** Jones & Stokes prepared a full suite of Caltrans technical studies and an EIS/EIR for NEPA/CEQA compliance.

**YEARS OF EXPERIENCE**

• 19

**EDUCATION**

- Master of Science Community and Regional Planning, University of Texas, Austin
- Bachelor of Science Geological Sciences, University of Texas, Austin

**MEMBERSHIPS AND ASSOCIATIONS**

- American Planning Association
- Association of Environmental Professionals
- Sacramento Metro Chamber of Commerce-Board member

**Section 2: Staffing Qualifications & Workload**
**YEARS OF EXPERIENCE**

- 27

**EDUCATION**

- Masters Degree,  
Civil/Environmental  
Engineering,  
University of Texas  
El Paso
- Bachelor of Science,  
Civil Engineering,  
Tamkang University,  
Taiwan

**REGISTRATIONS AND  
CERTIFICATIONS**

- Professional Engineer,  
Texas #68667
- Certified Value Specialist  
(CVS), USA, 1995  
#950502

**NOTABLE AWARDS**

- Most Outstanding VE  
Study of the Year Award  
I-238/I-580/I-880  
Widening, Caltrans,  
Oakland, CA. This VE  
Study was the winner of  
FHWA

**MARTIN Y. Hsu, P.E., C.V.S. - Value Engineering**  
**CVS & Associates, Inc.**

Mr. Martin Hsu has facilitated over 120 VE, FACD studies and Value Based Design Charrettes. Many of his VE studies have been nominated and won the Most Outstanding VE Study of the Year awards. He has over 26 years experience in civil engineering, value engineering (VE), project design and management, project controls, and business development.

**Relevant Project Experience:**

**I-5 North Stockton Corridor Improvements** – Interstate 5 from Charter Way, to Eight Mile Road, in San Joaquin County. The total estimated capital cost is \$139,000,000. The VE team identified ten key VE alternatives with a potential cost savings were estimated at \$13,944,000.

**Route 205 and Lammers Road Improvements** – Interchange for the City of Tracy, in cooperation with Caltrans, proposes to construct a new interchange and improve the local road system. The total estimated capital cost is \$61,300,000. The VA team address improve local traffic operations, manage stormwater and minimize R/W. The potential initial cost savings was estimated at \$14,627,000.

**I-238/I-580/I-880 Widening**, Caltrans, Oakland. Caltrans District 4 proposed staged improvements of the I-238 freeway, widening it from four lane to six, including improvements of several of the connectors to/from I-238; and the addition of auxiliary lanes along I-880 south of I-238. Estimated construction cost \$218 million. This VE Study was the winner of FHWA 1999 "Most Outstanding VE Study of the Year" award. The VE potential savings exceeding \$69.5 million, or 38% of total estimated construction cost.

**YEARS OF EXPERIENCE**

- 30

**EDUCATION**

- Bachelor of Science,  
Civil Engineering,  
University of Santa Clara

**REGISTRATIONS AND  
CERTIFICATIONS**

- Licensed Professional  
Civil Engineer  
CA, No. 34935
- Registered Land  
Surveyor  
CA, No. LS5792

**ASSOCIATIONS AND  
MEMBERSHIPS**

- American Consulting  
Engineers Council  
(ACEC)
- California Land  
Surveyors Association  
(CLSA)
- Consulting Engineers  
and Land Surveyors of  
California (CELSOC)

**WILLIAM KULL, P.E., P.L.S. - Utility & Irrigation Coordination**  
**Giuliani & Kull, Inc.**

Mr. William Kull has been involved in the design and construction of numerous improvement projects similar in size and scope to the North County Corridor Project. His experience in engineering administration includes business development, client liaison, project approvals, contract negotiations, public representation, and project management. He is a technical expert for the California Board for Professional Engineers and Land Surveyors and was selected to join this team for his exacting standards and expertise.

**Relevant Project Experience:**

**Oakdale Irrigation District Improvements for the SR 120 Oakdale Bypass Project** – The State of California proposed to construct the "Oakdale Bypass". Mr. Kull prepared the plans, specifications, and bid documents for constructing new highway crossings over eighteen existing water conveyance facilities. He was responsible for all project and agency coordination, topographic mapping, and engineering design.

**Oakdale Road Reinforced Concrete Box Culvert Replacement** – Acting as City Engineer, Mr. Kull was contracted by the City of Riverbank to provide design oversight, project management and inspection services for the replacement and expansion of an existing Modesto Irrigation District reinforced concrete box culvert. Mr. Kull acted as the project manager for the City supervising all design, construction and contractor related issues.

**Oakdale Irrigation District North Main Canal Crossing at Sonora Road** – The North Main Canal serves all irrigated lands within the District North of the Stanislaus River. The channel is capable of flowing 450 cfs and is situated in steep topography. Mr. Kull performed detailed topographic mapping, engineering design, and construction management for replacement and expansion of the existing crossing.

**THOMAS EVATT - Right-of-Way**  
Universal Field Services, Inc.

Mr. Thomas Evatt has worked for FHWA, Caltrans, Merced County, Stanislaus County and San Joaquin County projects. Most notably he served as Project Manager for Universal's contract for acquisition and relocation services on the East bay Municipal Utilities District Recycled Water Authority, and the Route 99 Widening Project in San Joaquin County (Hammer Lane to Route 4).

**Relevant Project Experience:**

**Project Manager for Route 99/Hammer Lane, San Joaquin Council of Governments, CA** - Mr. Evatt provided project management and acquisition services for approximately 40 parcels. His responsibilities included data sheets, project cost estimates, relocation impact plan, appraisals, and acquisition and relocation assistance services. Services were being performed in support of environmental documentation and construction of the Route 99 widening and interchange improvements at Hammer Lane.

**City of Stockton Department of Housing & Redevelopment, Stockton, CA** -

Mr. Evatt provided project management for several business and residential relocations including the Edmund Coy Parking Structure Project and the Main Hotel Project where relocation assistance for twenty-eight tenants was provided.

**Santa Clara Valley Transportation Authority, Santa Clara, CA** - Served as an Acquisition/Relocation Specialist for the Tasman Light Rail Extension Project. His responsibilities included acquisition and relocation assistance services on a project of 200 parcels including business relocations. All work was done in full compliance with Federal Transit Administration regulations and Caltrans procedures. He is currently assigned as Acquisition Specialist for the Capitol Light Rail Extension Project.

**YEARS OF EXPERIENCE**

- 25

**EDUCATION**

- Bachelor of Science  
Business Administration  
San Jose State  
University

**REGISTRATIONS AND CERTIFICATIONS**

- California Real Estate  
Salesperson  
License No. 00460826
- Member, International  
Right of Way Association,  
Chapter 27, Sacramento

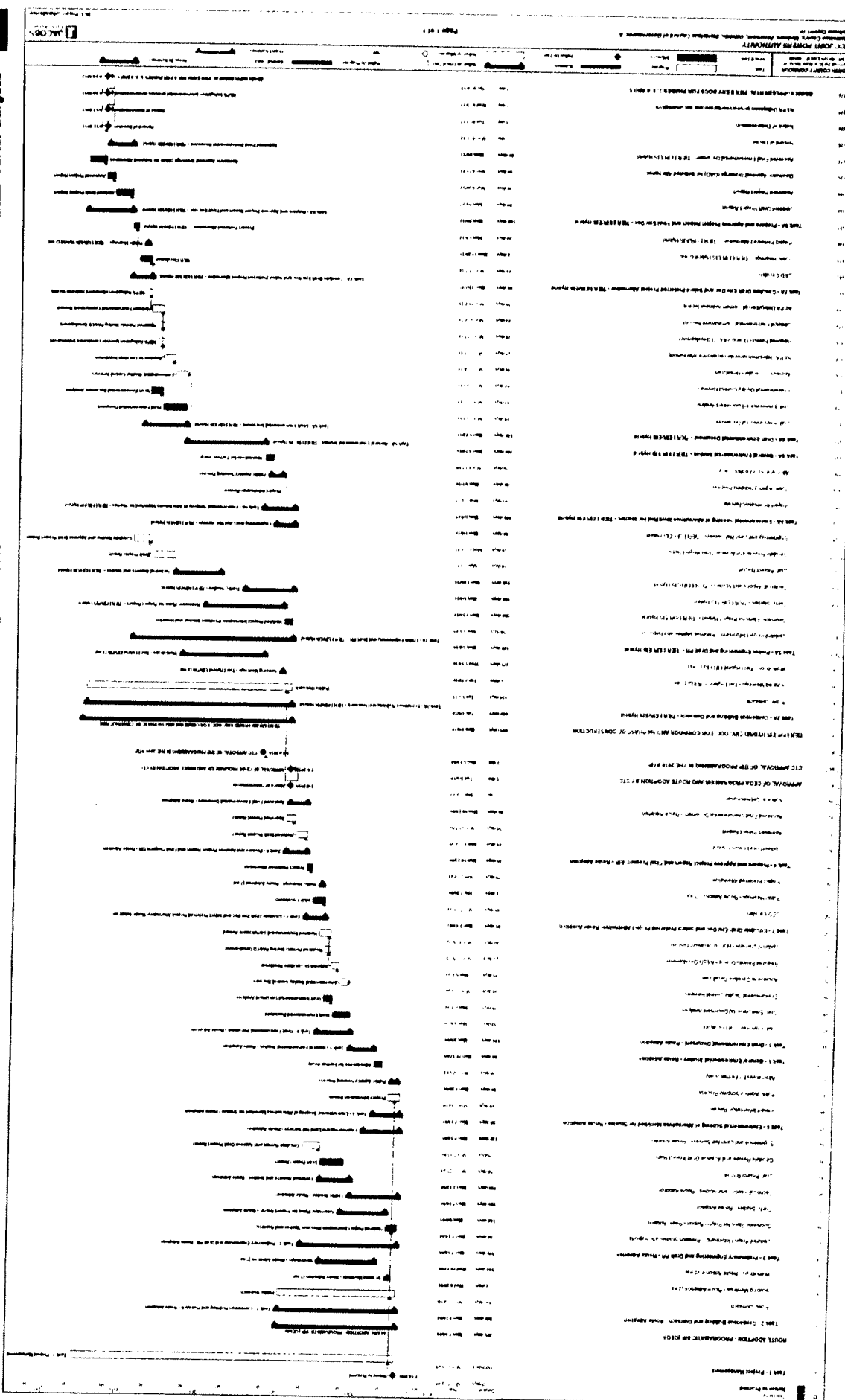
**Project Workload & Availability Matrix**

Name	Project Role	Personal Workload	Expected Workload	Availability for Project
Kris, Balaji, PMP, PE	Project Manager / Funding & Agency Coordination	40	25	60
Judith Bueche	Public Outreach	50	13	50
Theron Roschen, PE	Deputy Project Manager	30	30	70
Leo Heuston, PE	Engineering Lead / Railroad Coordination / Cost Estimating	20	40	80
Ben Crawford, PE	Geotechnical Engineer	70	3	30
Noel Suan, PE	Structural Engineer	60	3	40
Eddie Barrios, PE, TE, PTOE	Traffic Studies	60	20	40
Thomas Evatt	Right-of-Way	70	5	30
Shannon Conaway, PLS	Base Mapping & Aerial Photogrammetry	50	15	50
Ryan Vance, PLS	Base Mapping & Aerial Photogrammetry	75	3	25
William Kull, PE, PLS	Utility & Irrigation Coordination / Water Distribution	70	5	30
Mike Davis, PE	Environmental Lead	20	40	80
Karla Nicholas	NEPA / CEQA Documentation	45	30	55
Maggie Townsley	Environmental Support	50	20	50
John Moynier	Storm Water Data Report / Hydrology/hydraulic Studies	60	10	40
Martin Hsu, PE, CVS	Value Analysis	60	5	40

**Estimated Level of Commitment for North County Corridor Project**

Each of the team members above have been chosen not only for their excellent abilities and track record in completing projects on time and within budget, but specific considerations have also been given in regard to their current workload and availability for the project.

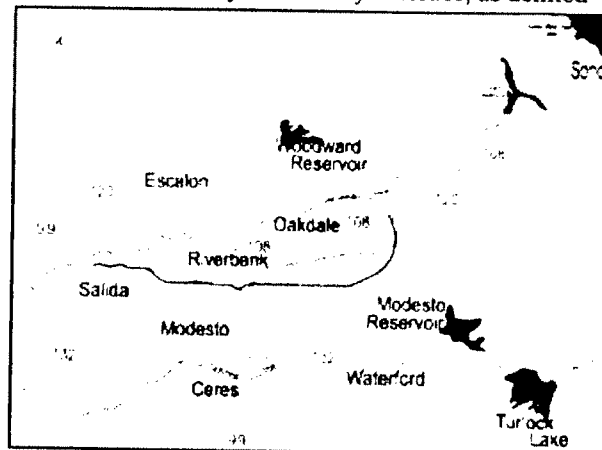




## Project Understanding

The North County Corridor (NCC) is a high-priority corridor for the Stanislaus County and its incorporated cities. NCC would be built in unincorporated Stanislaus County and is not anticipated to cross any city boundaries. The North County Corridor Transportation Expressway Authority (JPA) has been formed, "for the purpose of preparing, identifying and adopting a precise alignment subject to approval by each of the participants, and preparing and certifying environmental documents". The JPA is seeking proposals to provide professional services for the Project Approval and Environmental Document (PA&ED) phase clearance in conformance with the Caltrans Project Development Procedures Manual for the NCC project. The purpose of the project is to provide an east-west expressway on a new alignment to accommodate planned growth in the area, to alleviate congestion on parallel roadways, provide regional connectivity and to accommodate multi-modal travel.

The proposed NCC roadway alignments extend from State Route (SR) 99 at the Hammett Road interchange to approximately 7.7 miles east of the junction of SR-108/120 in City of Oakdale, Stanislaus County. The study corridor, as defined by a previous Feasibility Study and also by the Preliminary Design Report (PDR) prepared by Jacobs Carter Burgess in 2008, is generally defined by Patterson Road on the north, Pelandale Avenue/Milnes Road on the south and turns to the north between Wamble Road and Kennedy Road in the foothills east of Oakdale. The project is within unincorporated Stanislaus County and within the sphere of influence of the city of Modesto. It passes through the agricultural and urban lands between SR 99 and Oakdale Road, the urban areas of northern Modesto and southern Riverbank, the rural pasture lands between Claus Road to east of Oakdale Waterford Highway and the foothills to where it connects with SR-108/120. The project alternatives generally follow the SR 219/Kiernan Avenue and Claribel Road until they turn north, east of Oakdale Waterford Highway. Project features to be evaluated include approximately 26 miles of new expressway with ten-plus interchanges, three railroad grade separations and canal crossings, and approximately 12 at-grade intersections.



During the Feasibility Study, the member agencies identified several "sensitive areas" that needs to be avoided along the corridor. During preparation of the PDR, several issues related to the spheres of influence of the member agencies with respect to the NCC alternative alignments were discovered. Based on member agencies' input, the project phasing sequence was revised during the PDR phase, and has to be further vetted during the PA&ED process. Impacts to local businesses along the proposed alignment (e.g., Con Agra Foods' waste water treatment area and impacts to farmland) needs to be carefully evaluated in the PA&ED process.

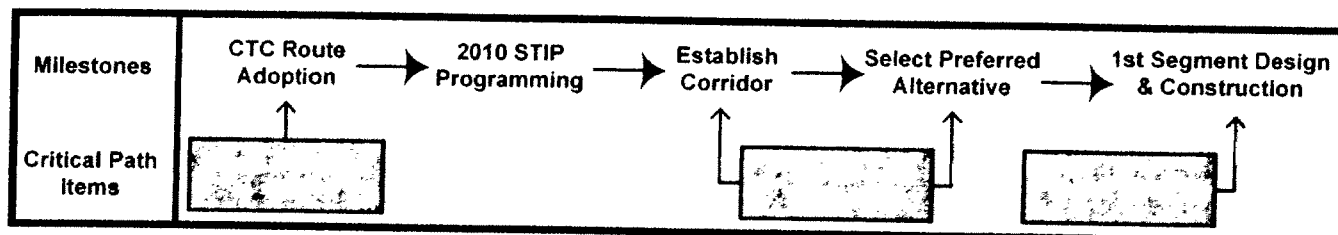
As stated in the RFP, the intent of the work is to program the project (for subsequent phases) in the 2010 STIP. Therefore, funding drives the project's critical path. In a letter to Supervisor Grover and Mayor Jackson, dated February 19, 2008, Caltrans Director Will Kempton expressed his intent to "commit ITIP funds in the 2010 STIP cycle for up to \$91 million in capital money for an ITIP-eligible North County Corridor project segment".

## Project Approach

The following section briefly outlines our project approach that addresses two main components.

1. Enabling the corridor to be eligible for the Interregional Improvement Program (ITIP) funding in the 2010 STIP and beyond,
2. Enabling the JPA to start early construction on the project by following innovative approach to accelerate environmental delivery.

## The Critical Path



### 1. Approach To Enable 2010 STIP (ITIP) Eligibility

The JPA's overall success of this project (not just the PA&ED) hinges on securing the ITIP funding specified in the referenced Caltrans letter. In addition to the benefit of receiving \$91M (that was once part of the now defunct Oakdale Bypass project), securing ITIP eligibility opens a new funding source to this project that currently doesn't exist.

The NCC roadway has to be a state highway and satisfy requirements of sections 30 & 34 of the STIP Guidelines to be eligible for ITIP funding. Approval of the California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) and the route adoption by the California Transportation Commission (CTC) are critical path items to secure the funding.

Inserting the 2010 STIP funding deadline into the PA&ED process requires a creative environmental approach. After exploring many feasible approaches listed in the table below, the team concluded that a "step-wise approach" is best suited not only to meet the 2010 STIP milestones, but also to obtain the National Environmental Policy Act (NEPA) approvals to enable the JPA to accelerate construction milestone for the first phase of the project.

The following table outlines the various approaches to complete the environmental approvals and their benefits and challenges:

Approach	CEQA/NEPA Documents	Benefits	Challenges
Project-level review	EIR/EIS disclosing construction-level impacts for entire project	Most direct approach, least number of environmental review cycles, full corridor approval to construct	Must have full funding in place, must have Route Adoption in place by CTC Schedule exceeds 2010 deadline
Program-level review	Program EIR/Tier 1 EIS disclosing alignment preservation decision and route adoption decision	Least data intensive, sets corridor for future planning decisions	No project-level approvals Subsequent documents required prior to construction Schedule exceeds 2010 deadline
Hybrid approach with existing RTP analysis supporting CTC Route Adoption decision	Combined Program-Project EIR/Tier 1-Tier 2 EIS to adopt route, preserve corridor and disclose project-level impacts of initial phase	Combines corridor and initial phase reviews, fasttracks CTC Route Adoption, minimizes complexity of subsequent environmental reviews.	Presumes RTP will meet CTC needs for Route Adoption
Step-wise with expedited EIR for Route Adoption followed by Hybrid approach	Program EIR for Route Adoption followed by Hybrid EIR/EIS outlined in the above approach	Quickest way to get the environmental review for the Route Adoption plus the benefits of Hybrid approach  Possible reduction of the number of alternatives in Hybrid document.  Can meet 2010 programming deadline	Requires additional Program EIR first for Route Adoption

It is highly unlikely that a combined CEQA/NEPA document that allows for (a) the Route Adoption, (b) establishing the project corridor and (c) gaining the authorization to build an initial segment of the project can all be completed in time to meet the CTC's deadline for the 2010 STIP nomination. Therefore, the Jacobs Carter Burgess team approach includes preparing a stand-alone CEQA EIR solely for Caltrans and CTC route adoption. This would insert an expedited, focused program-level CEQA document that can be completed much more quickly than a more comprehensive CEQA/NEPA document.

### 2. Accelerating Environmental Process to Expeditiously Reach Construction Milestone

Our approach to expeditiously reach the construction milestone involves a "Hybrid Approach". Immediately following completion of the initial single-issues CEQA EIR for route adoption, our team would begin preparation of a hybrid EIS/EIR.

The hybrid EIS/EIR consists of a combined program/project-level EIR to meet CEQA, with a combined Tier 1 EIS/project level EIS to meet NEPA compliance requirements. With the CEQA Certification and NEPA Record of Decision of the hybrid document, the JPA will be able to preserve the project corridor and expedite the final design and construction

of the first phase of the project that meets the logical termini tests. While design is proceeding on the first phase, project-level CEQA/NEPA approvals can be undertaken for the next suitable phase for which the JPA anticipates construction funding. This approach is currently being used on similar transportation projects. For example, portions of the aforementioned environmental approach have been successfully implemented on other highway projects such as State Route 58 in San Benito County, State Route 180 in Fresno County, and the Highway 101 Greenbrae Corridor.

### **Other Considerations**

Although the recommended approach requires an iterative CEQA/NEPA process, it ensures that the CTC route adoption action will have the necessary completed CEQA document to enable the CTC to act. This approach was discussed with the Caltrans environmental staff and they concurred. The CEQA/EIR work to complete the route adoption is not eligible for federal funding, and therefore the JPA must seek "State Only" funding authorization from the CTC for a portion of the \$6.2 million programmed in the STIP or use other non-federal funding sources.

### **Public Outreach**

Our approach to this very significant component of this PA&ED project involves a strategic and tactical communications plan with messages, timelines and responsibilities to guide public outreach throughout the course of the project. Impacted stakeholders, (such as Con Agra Foods and the farming community) in the project area, typically tend to work with the agencies to successfully resolve issues if dedicated outreach is provided to them. Our team will seek to fully understand the key stakeholders' concerns, educate them on the extent of alternatives considered by the team to mitigate their impacts, receive input, and provide continuous feedback. Our approach to address significantly impacted stakeholders is to make them part of the project team to solve issues jointly. Our team will manage an extensive public outreach process as outlined in the Scope of Services section to follow. We will ensure that CEQA/NEPA public input requirements are met and that community and agency issues are identified early, brought to the JPA's attention, and quickly and successfully addressed. Elected & public officials (past and present), local community & business leaders (such as CTC Commissioner Kirk Lindsey, the public relations officer for the new Kaiser Hospital, etc) will be sought to join the project team. In addition, the member agencies of the JPA also might need significant outreach as, for example, they may perceive that this project could alter their spheres of influence, affect their tax bases, or change their community character. The Project Development Team (PDT), Plan Implementation Project (PIP) Team, Technical Advisory Committee (TAC), Community Advisory Committee (CAC) and the potential Stanislaus County Sales Tax measure's Community Oversight Committee (COC) will all be actively used as part of our outreach efforts. We are already working on a visual fly through simulation of the corridor that will be used for public outreach. Our team has a well thought out outreach plan that will be discussed with the PDT prior to implementation.

### **Project Report & Preliminary Engineering**

The engineering efforts outlined in the scope is slightly advanced beyond the level of design typically provided for a PA&ED phase. This expanded effort is necessary to resolve issues of complexity that need to be clarified for the public involvement plan. This level of effort is also needed to address the land use and access control constraints that the corridor will create. There are additional design details that need to be explored at rail and irrigation canal crossings at this stage to avoid later permit constraints.

Accelerating the process will require several key efforts:

- A high degree of coordination, hands-on meetings and briefings to the JPA, City Councils, StanCOG Policy Board, and County Board of Supervisors
- Identification of constraints and community input to the project early in the process
- Identification of a plan of action with unique solutions for the constraints identified
- Recognition of city general plan update efforts
- Effective screening methods to quickly reduce the alternatives under consideration that is acceptable to all

It is our general philosophy that a successfully completed environmental document for a project that has no financial means of going forward to the next phase does NOT qualify as true success of the project. The Jacobs Carter Burgess team has tailored a creative approach that will enable successful environmental clearance, provide sound engineering solutions, and equally important, position the JPA for significant funding opportunities to complete construction of the important project that would vitalize the economy of the region.

## Scope of Services

The following document describes the scope of work for completion of the Project Report and Environmental Document for the North County Corridor Project.

### General Basis of Scope, Schedule and Estimate:

We are aware that the scope provided by the JPA defines only a single environmental document. Based on our unique approach, we have prepared Task 2 through task 8 to represent the project approval and environmental document process for both the route adoption and the Hybrid EIR/EIS, as described above. For simplicity, we are not reiterating both processes in the scope. We have, however, included the entire process in the schedule and fee proposal broken out as Task 2 through 8 which are associated with the route adoption and Tasks 2a through Task 8a which pertain to the hybrid option.

*NOTE: Although the following tasks follow Caltrans Work Breakdown Structure (WBS) format with associated activities and corresponding task numbers, this format does not encompass all of the tasks in the Caltrans WBS. Several tasks are indicated as "consultant services not required" or as "work to be performed by others". These tasks were included to show that all these potentially significant tasks were considered as part of the scope.*

*The following scope is color-coded by key individual to perform tasks.*

## 1.0 ▲▲ Project Management (WBS 100.10)

Provide overall project management, coordination, and supervision of project staff to facilitate the performance of the work in accordance with the scope and requirements of NCC JPA. Basis of Estimate:

- Project Management Plan (PMP) includes task order scope, schedule, quality assurance plan, communications protocol, invoicing procedures, and progress reporting procedures
- Meeting summaries will indicate issues discussed, resolutions identified, further actions needed, and an updated Action Item Log
- Project Manager will identify and report any cause or condition which might, under reasonable foreseeable circumstances, result in delay that may require a time extension or additional work scope.

*To build on this success, our firm has charged Kris Balaji, Director of Transportation, to personally manage the project as its Project Manager...*

## 1.1 ▲▲ Initiation and Planning (WBS 100.10.05)

- Conduct kick-off meeting with NCC JPA and project team
- Submit Draft and Final PMP reflecting work in this Task Order

### Deliverables:

- Updated Project Management Plan
- Kick-off meeting summary

## 1.2. ▲ Execution and Control (WBS 100.10.10 and 100.10.15)

- Submit up to six schedule updates, to reflect changes in project process and schedule of activities
- Prepare and submit up to 54 monthly invoices and progress reports
- Manage scope, schedule and budget
- Maintain project files in Prime Consultant's office
- Provide JPA with project files at close out of contract

### Deliverables:

- Project schedule updates
- Project invoices and progress reports

## 1.3. ▲▲▲ Coordination and Meetings (WBS 100.10.10 and 100.10.15)

- Organize, conduct, and document up to 54 monthly Project Development Team (PDT) Meetings. Progress meetings include Consultant Team Leaders and JPA participations and will include discussion of work progress, plans for the next period, potential problems, and other project issues
- Organize, conduct, and document up to three additional Project Coordination Meetings at any time that any party requires discussion of project issues
- Organize, conduct, and document up to 54 internal monthly Team Leader Coordination meetings

**Deliverables:** Agendas and meeting summaries for Progress, Project Coordination, Team Coordination, and PIP meetings

## 1.4. ▲ Quality Control Program (WBS 100.10.10 and 100.10.15)

- Prepare and maintain a Quality Assurance/Quality Control (QA/QC) plan and ensure that the reports, plans, studies, estimates, and other documents submitted are complete, accurate, checked and proofread.
- Perform independent third party quality control reviews in accordance with the approved QA/QC Program for the reports, plans, studies, estimates, and other documents submitted and at major milestone deliverable documents

**Deliverables:** Quality Assurance/Quality Control Plan and on deliverable products.

## 2.0. ▲ ▲ ▲ ▲ Consensus Building and Outreach (WBS 100.10.99)

The project team has done a significant amount of work to build stakeholder consensus during the PDR Stage. This task will continue the public participation work and satisfy the requirements for the environmental studies. The Public Outreach Consultant Team will prepare a detailed communications plan with timelines and responsibilities to guide the public outreach activities throughout the course of the project. The plan will be reviewed and progress reports made at monthly project development team meetings. Adjustments will be made in the plan as issues and events warrant and opportunities are presented.

Early in the project, the Public Outreach Consultant team will identify up to 30 people to be interviewed one-on-one for their opinions on the project, issues surrounding the project, and other pertinent information. These opinion leaders may include elected and/or appointed officials, leaders of civic and community groups, executives with a particular interest in transit and other influential individuals. Each visit will be documented and each person invited to remain involved as the project progresses.

## 2.1. ▲ ▲ ▲ ▲ Project Development Workshops

- Plan and organize project workshops as part of the environmental process. Up to three public workshops, and four scoping meetings and four public hearings to keep the community updated on the project and comply with environmental process requirements
- Plan Implementation Project (PIP) Team Meetings will be held approximately two weeks prior to workshops
- Workshop summaries will include an overview of the workshop, documentation of issues/comments, and a list of any action items/next steps
- Includes printing of meeting materials, including up to 30 exhibit boards
- Includes printing/distribution of notification materials and display advertisement placements
- Use of a court reporter at workshops is not included
- Research and identify appropriate locations to host the workshops for approximately 150 to 200 attendees
- Prepare and distribute notification materials to the community and key stakeholders
- Develop and finalize information hand outs and presentation materials for each workshop
- Organize, conduct, facilitate, and document workshops and meeting proceedings including comments from participants

### Deliverables:

- Notification materials (workshop announcements, display ads, press releases, elected officials letters, web site announcements)

- Meeting agendas / PowerPoint presentations / project informational materials / exhibit boards
- Workshop and meeting summaries

## 2.2. ▲ ▲ Agency Coordination

- Establish agency coordination plan
- Identify and maintain agency representative and key stakeholder list for ongoing coordination and discussion of issues. The proposed agency and key stakeholder list from the PSR project will be used
- Organize, conduct, and document up to nine PIP Team briefings up to five additional agency meetings

### Deliverables:

- Agency and key stakeholder contact list coded for interest and activity
- Information and presentation materials for agency meetings
- Checklist for each public meeting, workshop, or scoping meeting
- Meeting agendas and summaries with action item lists

## 2.3. ▲ ▲ Database Development and Comment Tracking

- Supplement contact information utilizing Parcel Quest to identify adjacent property owners and neighbors
- Conduct research to identify additional stakeholders and interested parties
- Develop protocol for tracking comments received for (54) months
- Provide up to four Comment Tracking Reports outlining categories of issues and disposition

### Deliverables:

- Outline of database information for review by team and NCC JPA
- Database with contact information and issues/comments noted
- Comment Tracking Reports

*...Essential in these efforts will be the public outreach elements performed by Judith Buethe. She has vast experience on more than 175 public outreach projects throughout the Central Valley....*

- Develop outlines and appropriate topics for each newsletter/fact sheet
- Provide up to three combined newsletters/fact sheets to keep interested parties updated on project development and available information on the project development process
- Publish materials using NCC JPA's standard format for publications
- Combined Newsletters/Fact Sheets will be made available at workshops and distributed to people in the project mailing list. Mailing costs included

- Prepare a project-specific web site to link to Stanislaus Council of Governments web site to post project materials and notifications
- Prepare text to keep project site up-to-date on monthly basis
- Coordinate with NCC JPA website upon approval

- Coordinate with NCC JPA staff to identify appropriate contacts for newspapers, radio stations, and television stations
- Establish and maintain media contact list contacts to publish project information and announcements.
- Produce and distribute press kits including press releases and project information as appropriate
- Track articles on project and maintain media coverage file on project

...Leo Heuston will provide the continuity from the past study of the corridor, as our team has been advocating for this project for many months...

- Update Project Information – Data Collection and Field Reviews
- Develop Geometric Approval Drawings for preferred alternative
- Define Preliminary Right of Way Requirements
- Perform Traffic Forecasts/Modeling, Traffic Operational Analysis and Traffic Study
- Perform Value Analysis for Project
- Perform Structure Advance Planning Studies
- Perform Hydrology/Hydraulics Studies
- Prepare Right of Way Data Sheet
- Define Utilities Requirements for the project alternative
- Review and Perform Railroad Study
- Perform Preliminary Geotechnical Studies
- Perform Structural Preliminary Geotechnical Studies
- Prepare Design Exceptions Fact Sheets
- Perform Constructability Review
- Develop Project Cost Estimates
- Develop Transportation Management Plan
- Develop Storm Water Data Report
- Develop Risk Management Plan
- Prepare Draft and Final Project Report

- The team will collect and review existing data from the field and sources including Caltrans, NCC JPA, Cities of Oakdale, Riverbank, and Modesto, Stanislaus County, and other outside agencies. This data will include but is not limited to survey information, as-builts, and other studies and reports applicable to the corridor

- Collect necessary existing AM and PM peak period intersection traffic counts at intersections and mainline locations on SR 99
- Collect necessary 24-hour traffic and vehicle classification counts at roadway locations
- Perform peak period field surveys to identify existing geometric features, lane configurations, and traffic

- control devices at the intersections and roadway locations identified by the Project Team
- Identify existing queuing issues at each of the study intersections

### 3.3. ▲ Traffic Forecasting (WBS 160.10.10)

- Use the current version of the StanCOG RTP Model to determine opening year and design year peak hour forecasts at existing intersections and new intersections that would be created by the Project.
- Determine average daily traffic (ADT) volumes at existing/new roadway locations
- A focused model validation exercise will be undertaken in the study area, followed by the use of the model to predict changes in travel patterns in the opening and design year time period. Results to be reviewed with StanCOG and Caltrans and a revised model will be produced as necessary to meet all of the targets with Caltrans and then request approval to proceed with forecasting
- Opening year and design year traffic forecasts will be developed for up to five alternatives including "No Project" conditions
- Submit a technical memorandum summarizing the traffic forecasts for review and approval by the Project Development Team (PDT). Once approved, we will proceed with the technical evaluation of the alternatives

**Deliverables:** Traffic Forecasting Technical Memorandum.

**Note:** Level of travel demand forecasting and traffic analysis required for the Route Adoption will be comprised of updating the existing data developed in previous studies. No new studies will be developed.

### 3.4. ▲ Geometric Plans for Project Report (WBS 160.10.15)

- Geometric plans for the Project Report will include four alternatives, consisting of build alternatives and one phased construction alternative of the preferred alternative
- Right-of-Way requirements will be shown. Retaining wall and sound wall locations will be shown with approximate heights. Daylight limits of standard slopes will be delineated
- Profiles and superelevation diagrams will be provided for the mainline, interchange ramps and cross streets for the four alternatives

**Deliverables:** Geometric plans for four alternatives.

### 3.5. ▲ Construction Phasing Concept Plans (WBS 160.10.16)

- Prepare concept phasing plans for the preferred alternative. The concept plans will depict the overall phasing of the segments along the entire corridor

Phasing of each segment will include the connectivity to existing for each segment to show independent utility

**Deliverables:** Concept construction phasing plans for one alternative

### 3.6. ▲ ▲ ▲ Value Analysis (VA) (WBS 160.10.20)

- Conduct a VA Study to comply with the NHS VE mandate and follow the Caltrans VA methodology Project Development Procedures Manual and Report Guide
- Provide on site team leadership and final report documentation for a six day project studies.
- Provide 6 to 8 additional team members with specific expertise to serve as members of a VA team. This selection of team members will be coordinated with Caltrans and the NCC JPA

**Deliverables:** Draft and Final VA Reports

### 3.7. ▲ \* Conceptual Hydraulics/Hydrology Studies (WBS 160.10.25)

- A conceptual hydrology study will be performed based on gross acreage determinations tributary to the proposed drainage systems shown on the Drainage Concept Plans. A detailed hydrology and hydraulic analysis is not included in the scope of work

**Deliverables:** Conceptual Hydrology Study

### 3.8. ▲ \* Drainage Concept Plans (WBS 160.10.26)

- Drainage facilities for the preferred alternative will be evaluated and identified in a qualitative manner. Rough estimates of design discharges will be developed on gross acreage determinations of tributaries to the proposed drainage systems on a cfs/acre basis and preliminary sizing of the drainage systems

**Deliverables:** Concept Drainage Plans (Layout only)

*...Value Engineer for this project-  
Martin Hsu, CVS was key in  
the I-238/I-580/I-880 Widening  
project winning the "Most  
Outstanding VE Study of the  
Year" Award by FHWA...*



### 3.9. ▲▲ Storm Water Data Report

(WBS 160.10.27)

- In accordance with the Caltrans Project Planning and Design Guide, a Storm Water Data Report (SWDR) will be prepared and then submitted to NCC JPA and Caltrans for review and approval by the Caltrans District/Regional Design Storm Water Coordinator
- The SWDR will be prepared and revised at the Draft and Final PR phases

**Deliverables:** Storm Water Data Report (Draft and Final)

### 3.10. ▲ Traffic Operational Analysis

(WBS 160.10.35)

- The intersection traffic counts, lane configurations, signal timings, and other information collected will be used to develop existing AM and PM peak hour Synchro models. Synchro provides results consistent with the Transportation Research Board's 2000 Highway Capacity Manual (HCM)
- Intersections that are clustered together will be converted to micro-simulation to determine existing intersection delay and level of service. Existing traffic operations for intersections that are not clustered together will be determined directly from the Synchro Level of Service (LOS) output
- Freeway mainline, merge and diverge operations will be determined from HCM for the AM and PM peak hours. Mainline segment analysis will be performed on SR 99 from north of Hammett Road to south of Pelandale Avenue. In addition to mainline segment analysis, ramp junction analysis will be performed for the Hammett Road, Kiernan Avenue, and Pelandale Avenue interchanges.
- A technical memorandum summarizing the existing traffic conditions will be submitted for review and comment by the PDT
- The traffic forecasts developed will be used to develop Synchro models (AM and PM peak hour) for up to five project alternatives including "No Project" conditions
- Similar to existing conditions analysis, intersections that are clustered together will be converted to micro-simulation (SimTraffic) to determine existing intersection delay and level of service.
- Traffic operations for the intersections that are not clustered together will be determined directly from the Synchro LOS output
- Peak hour analysis will be performed for the opening year and design year under each project alternative. Results will include average delay, level of service, and estimated queue lengths for each intersection

- Perform AM and PM peak hour mainline and ramp junction analysis for the study locations previously identified for up to five project alternatives including No Project conditions. The mainline and ramp analysis will be consistent with the methodologies presented in the 2000 HCM. Weaving analysis, if necessary, will be consistent with the Caltrans Highway Design Manual
- In addition to intersection level of service analysis, we will utilize the current StanCOG RTP Model to project changes in ADT on project area roadways as a result of the Project
- The regional implications of the corridor will be evaluated by examining additional measures of effectiveness (MOEs) such as vehicle miles of travel (VMT), vehicle hours of travel (VHT), and vehicle hours of delay (VHD) with and without the project

**Deliverables:** Existing Traffic Conditions Technical Memorandum

### 3.11. ▲ Right-of-Way Data Sheet

(WBS 160.10.40)

- Prepare Right-of-Way Data Sheet(s) in accordance with the Caltrans Right-of-Way Manual for the preferred alternative

**Deliverables:** Right-of-Way Data Sheet(s)

### 3.12. ▲ Determine Right-of-Way Requirements

(WBS 160.10.41)

- Determine Right-of-Way requirements for the preferred alternative. Right-of-Way requirements will be established in Microstation format and tabulated with parcel number identification and area of take required

**Deliverables:** Tabulated Right-of-Way Requirements

### 3.13. ▲ Utility Location Requirements

(WBS 160.10.45)

Research all utility information available from utility owners, public records, and other sources

- Determine and record utility owner key contacts; includes engineers, technician, and utility locator personnel or contractors
- Prepare CADD drawings with research information. Includes variables along with approximate location, pipe size, material, and age
- Potholing of existing utilities is not included in the work program at this stage of the project

**Deliverables:** Utility record drawings mapped on base sheets with contact list and utility base mapping

### 3.14. ▲ Railroad Study (WBS 160.10.50)

- Identify impacted rail lines, operation requirements and expansion plans and prepare a Railroad Information Sheet in accordance with the Caltrans Right-of-Way Manual for the Project Record and types of agreements and right required from the railroads

**Deliverables:** Railroad Information Sheet

### 3.15. ▲ ▲ Park and Ride Study (WBS 160.10.60)

Assess the potential to add park-and-ride facilities within the project corridor for the preferred alternative. Particular focus will be given to (but not limited to) property remainders after acquisitions or associated street modifications.

**Deliverables:** Draft and final Park and Ride Study

### 3.16. ▲ Traffic Studies (WBS 160.10.70)

- Prepare the Traffic Operations Report summarizing the results and findings.
- Prepare an Administrative Draft Traffic Operations Report to NCC JPA for one round of review and written comments
- Respond to NCC JPA written comments and prepare the Draft Traffic Operations Report to submit to NCC JPA, Caltrans, and other PDT members for one round of review and comments
- Respond to comments on the Draft Traffic Operations Report and prepare the Final Traffic Operations Report
- Prepare the "Transportation" chapter of the Environmental Document. The report will also include a qualitative assessment of the impacts of each alternative on bicycle, pedestrian, and transit facilities within the study corridor
- Respond to comments on the transportation chapter of the draft environmental document
- Prepare the traffic chapter of the Project Report that will address the proposed project in accordance with Caltrans guidelines and requirements

**Deliverables:**

- Traffic Operations Report
- Text for the Traffic Section of the Environmental Document
- Text for the Traffic Section of the Project Report

### 3.17. ▲ Geotechnical Information

(WBS 160.10.80 and 160.10.85.05)

Perform preliminary investigations to determine the geotechnical considerations for design, assess potential impacts, and provide general design and construction recommendations. The investigation will support the project design and structures Advance Planning Studies. The Geotechnical/Structures Report will address the following:

- Preliminary geotechnical recommendations for cuts, fills, miscellaneous structures and drainage facilities, and pavement structural design
- Preliminary Geotechnical foundation recommendations for bridge structures subject to improvement in this project

Due to the limited existing subsurface information for the eastern portion of the alignment (Phases 1 and 2), it is proposed to perform a limited subsurface exploration consisting of three borings to depths of 50 to 75 feet (or 5 to 10 feet into weathered rock). One boring will be located at the proposed Albers Road Intersection, Oakdale Waterford Highway Intersection, and the Sierra Mountain Railroad grade separation.

The preliminary Geotechnical/Structures Report should only be used for advance planning. Additional subsurface exploration; laboratory testing and analysis will be required to prepare Final Foundation Reports for design of each bridge and will be prepared during the design phase of the project

**Deliverables:** Draft and Final Preliminary Geotechnical/Structures Report

### 3.18. ▲ Structure Advance Planning Study (APS) (WBS 160.10.85)

- Based on the proposed roadway geometrics and preliminary project information, the APS will be prepared in accordance to the Caltrans' Office of Special Funded Project Procedures Guide
- As part of the APS tasks, a feasible type of structure will be developed with associated cost appropriate for the specific location. The preliminary foundation report and the structure foundations will be reviewed to determine preliminary foundation type
- The studies will be developed for one alternative and includes up to 16 structures

**Deliverables:** APS Report per bridge includes: a bridge APS exhibit, APS Checklist, an APS design memo, and Itemized cost estimates consistent with Project Report requirements.

*...To demonstrate our community partnerships, keeping in mind the need to stimulate local economy, we have added a number of well qualified local firms to our team...*

**3.19. ▲ Preliminary Transportation**
**Management Plan (WBS 160.10.95)**

- The preliminary Transportation Management Plan (TMP) and corresponding worksheets will be developed based on Caltrans current guidelines for each of the four project alternatives

**Deliverable:** Preliminary TMP

**3.20. ▲ ▲ Cost Estimates for Alternatives**

(WBS 160.15.05)

- Provide cost estimates for four alternatives based on Caltrans Project Development Procedures Manual guidelines for Project Report cost estimates. An independent review of the cost estimates will be performed

**Deliverables:** Project Report Cost Estimates

**3.21. ▲ Fact Sheet for Exceptions to Design**

**Standards (WBS 160.15.10)**

- Identify all non-standard design features based on the Caltrans Design Checklist for the preferred alternative. Fact Sheets will be prepared for exceptions to Mandatory and Advisory standards

**Deliverables:**

- List of Non-Standard Features for the selected alternative
- Fact Sheets for Exceptions to Design Standards for selected alternative

**3.22. ▲ ▲ Draft Project Report (WBS 160.15.20)**

- Prepare a Project Report based on the Caltrans Project Development Procedures Manual. A preliminary Draft Project Report will be submitted to NCC JPA and Caltrans for review and comment. Up to four submittals of the Draft Project Report are anticipated

**Deliverables:** Preliminary Draft and Final Draft Project Report

*...We pride ourselves on building partnerships with the community and their staff representatives to ensure that this project will be completed on time and within budget...*

**3.23. ▲ Circulate, Review and Approve Draft Project Report (WBS 160.15.25)**

- Once the Final Draft Project Report has been submitted for review and approval, the project manager will work with NCC JPA and Caltrans to obtain the appropriate signatures

**Deliverables:** Signed Draft Project Report

**3.24 Engineering and Land Net Surveying**  
 (WBS 160.20 through 160.20.70)

- Provide mapping required for NCC JPA in cooperation with Caltrans for the proposed improvements from State Highway 99 to State Highway 108/120 for approximately 26 miles in length. We will perform project control surveys, mapping and initial land net mapping consistent with Project Report and Environmental Document requirements

**3.24.1. Existing Records**

- Perform research to obtain horizontal and vertical control information from Caltrans and other cities or agencies as necessary. GIS information will be obtained from Stanislaus County depicting the property lines, assessor's numbers, street names and other pertinent information contained in the data base

**3.24.2. Survey Control**

- Establish a primary project control network to Caltrans standards for "project control surveys" and comply with National Map Accuracy Standards. Surveys tying in as many section corners as necessary to correlate the GIS data provided by Stanislaus County. Landowners will be contacted to inform them that our survey crews will need access to their property. The JPA will assist in obtaining any needed rights of entry

**3.24.3. Aerial Topographical Mapping**

- Prepare new aerial mapping for the proposed project. The flight pattern provides enough photography for any corridor to have sufficient stereographic photo coverage for potential mapping. Digital mapping will be compiled to produce 2-foot contours and planimetry for 26 miles of corridor mapping at a width of 1000-foot with wider mapping at selected major intersections

**Deliverables:** Topographical mapping and color aerial photographs

**3.24.3 Field Design Surveys**

- Consultant has budgeted ten two-man survey crew days along with additional office hours to obtain survey data that is relevant to the preliminary design effort associated with the Project Report phase

### 3.24.4 Base Map

Aerial mapping, field design surveys, and GIS parcel information will be combined to produce a project base map. Spot elevations will be shown and contours will be generated at 2-foot intervals. The base map will show assessors parcel lines, section corner monuments, right-of-way lines, roadways, drainage facilities, railroad tracks and facilities, levees, structures, fences, driveways, poles, streetlights, trees, vegetation limits and assessor's parcel numbers. A field review of the topographic survey will be performed to ensure adequate topographic features

**Deliverables: Project Base Mapping.** Note: Route Adoption Study would use generally available aerial photos and GIS data

### 3.25. ▲ Surveys and Mapping for

#### Environmental Studies (WBS 160.30.10)

- Perform field surveys and use site and aerial photographs to augment existing base mapping and determine environmental resources. It is assumed currently available photos and GIS data will be used with spot field checks as needed for the Route Adoption

**Deliverable: Aerial and site mapping for environmental studies**

### 3.26. ▲ Property Access Rights For Environmental/Engineering Studies

(WBS 160.30.15)

- Obtain required access to private and public lands as needed for environmental technical studies. Draft a right-of-entry (ROE) request letter for affected property owners and provide them in the event that field verification of permission is requested

**Deliverables:**

- Mapping of properties requiring ROEs
- Draft and Final ROE letters

### 3.27. ▲ NEPA Delegation (WBS 160.40)

- Provide support to Caltrans staff in developing audit information for the NEPA Delegation Pilot Program

**Deliverable: Audit input**

### 4.0. ▲ ▲ Perform Environmental Studies and Prepare Draft Document (WBS 165)

The purpose of this set of tasks is to conduct detailed environmental technical studies at equal level of detail for each of the alternatives to be evaluated in the draft environmental document (DED), prepare the administrative DED and obtain approval to circulate the same DED. This task assumes that up to four build alternatives and

a "No-Build Alternative" will be evaluated in the DED. A complete listing of subtasks is provided in the table which follows. Key tasks are described in the following scope of services

### 4.1. ▲ ▲ ▲ Project Information Review

(WBS 165.05.05)

Review all pertinent information to the environmental process in preparation for the NEPA/CEQA Scoping process. As part of this initial review, prepare the CEQA EIR for Route Adoption action by the California Transportation Commission (CTC). This scope includes preparing screening level environmental technical studies consistent with the Caltrans Standard Environmental Reference for CEQA program EIRs. The Route Adoption EIR will consist of the following key tasks:

- Prepare CEQA NOP and initial study (IS) and conduct Scoping
- Prepare environmental technical studies using the Decision-based Alternative Evaluation Process used by Caltrans. Limited field review will be conducted.
- Prepare Administrative Draft EIR for review and approval by NCC JPA and Caltrans review and approval
- Circulate Draft EIR and conduct up to two public hearings
- Prepare response to comments and Administrative Final EIR
- Publish Final EIR and present EIR to CTC or StanCOG (as determined appropriate) for certification
- The remaining tasks in this scope of services focus on preparation of the EIR/EIS to more precisely define the Connector corridor, select a preferred alternative, and disclose construction-level impacts and mitigation measures for the initial construction phase.

*...Jacobs Carter Burgess  
proposes a "step-wise  
environmental approach" for this  
project that would enable timely  
completion of the necessary  
environmental approvals...*

#### 4.2. ▲▲ Public and Agency Scoping Process (WBS 165.05.10)

Plan and conduct a NEPA/CEQA Scoping process. Included in this task is preparing required notices and filings. Key tasks include:

- Prepare CEQA Notice of Preparation (NOP) including an attached CEQA initial study (IS) documented to anticipate impacts of the proposed project
- Prepare draft NEPA Notice of Intent (NOI) for transmittal for Caltrans for publication in the Federal Register
- Prepare public notice advertisements (ads) for publication in newspapers of general circulation.
- Compile distribution lists for NOI/NOP and general public notices
- Prepare displays and presentation materials for Scoping meetings and conduct meeting preparation sessions with the project team and PDT.
- Participate in up to two Scoping meetings.
- Prepare a draft, revised draft and final Scoping Summary Report

##### Deliverables:

- NOI/NOP
- CEQA Initial Study
- Public advertisements and notices
- Scoping meeting materials and displays
- Scoping meetings
- Scoping Meeting Summary Report

#### 4.3. ▲▲▲ Alternatives for Further Study (WBS 165.05.15)

- Based on outcome of the public and agency Scoping process and consultation with the PDT, the team will document the alternatives screening process including NCC JPA and Caltrans' concurrence on the alternatives to be assessed in the DED

**Deliverables:** Alternatives Screening Report

*...Mike Davis, the Environmental Practice Leader for Jacobs Carter Burgess, will serve as the Environmental Manager for this project and will bring national experience with a depth of knowledge to creatively guide the environmental review...*

#### 5.0. ▲▲▲ General Environmental Studies (WBS 165.10 through 165.25)

- Conduct environmental analyses consistent with requirements of the Caltrans Standard Environmental Reference (SER), the FHWA T6640.8A technical advisory, and applicable agency guidance for regulated resources
- The following technical studies are anticipated to be required. Should additional studies be requested by project team members or resource agency representatives, scopes of services and the fees for the additional work will be prepared and be negotiated with the JPA

##### 5.1. ▲ Community Impact Analysis, Land Use, and Growth Studies (WBS 165.10.15)

- Prepare a Community Impact Assessment (CIA) report following the Caltrans CIA handbook

**Deliverable:** Draft, revised draft and final CIA report

##### 5.2. ▲ Visual Impact Assessment and Scenic Resources Evaluation (WBS 165.10.20)

- Prepare a visual impact assessment using the FHWA/ASLA impact guidance. The analysis will include the preparation of before and after photo-simulations (up to 20) on which changes to the quality of the visual environment will be determined

**Deliverable:** Draft, revised draft and final Visual Impact Assessment report with photo-simulations. **Note:** Route Adoption will use general screening using available data and spot field checks.

##### 5.3. ▲▲▲ Noise Study (WBS 165.10.25)

- The project is considered to be a Type II facility and will require a detailed traffic noise impact assessment. A traffic noise impact assessment will be conducted using the Traffic Noise Model (TNM). Prior to conducting the field monitoring and analysis, a Noise Monitoring Plan will be prepared for review and approval by NCC JPA and Caltrans. The noise analysis will identify locations at which the project alternatives would cause noise levels to approach or exceed FHWA noise acceptability criteria (NAC). Impacted receptors will be identified and mapped and mitigation measures evaluated for effectiveness, including cost effectiveness

**Deliverable:** Draft, revised draft and final Noise Study.  
**Note:** For route adoption General bands or isopleths of potential noise impacts will be provided

##### 5.4. ▲▲▲ Air Quality Study (WBS 165.10.30)

- Prepare the Air Quality Study consistent with Caltrans' transportation project level carbon monoxide (CO) protocol, the U.S. EPA's Fugitive Dust

Conformity Rule, and CEQA Air Quality guidelines. Baseline and current conditions will be described and construction activities, which could potentially generate impacts, will be analyzed

- Evaluate the proposed project's impacts to long-term particulate matter concentrations and mobile source air toxics (MSAT) using the Transportation Conformity Guidance for Qualitative Hot-spot Analysis in PM<sub>2.5</sub> and PM<sub>10</sub> Nonattainment and Maintenance Areas (EPA, March 2006) and the Interim Guidelines on Air Toxic Analysis in NEPA Documents (FHWA, February 2006), including interagency coordination. A detailed CO hot spot analysis using the CALINE4 model will be conducted based on peak traffic along the project alignments. Feasible mitigation measures will be investigated

**Deliverable:** Draft, revised draft and final Air Quality Study.  
**Note:** Available traffic data from previous PRS-type studies will be used to conduct a comparative analysis for Route Adoption. No new studies will be performed

#### **5.5. ▲ Water Quality Studies (WBS 165.10.35)**

- Prepare a Water Quality Assessment Report (WQAR) for the project that discusses watershed characteristics, groundwater hydrology, regulatory requirements, pollutants of concern, and receiving water conditions, objectives and beneficial uses. The report will also discuss design pollution prevention best management practices (BMPs), construction site BMPs, and treatment BMPs that are applicable to the project alternatives per Caltrans Storm Water Quality Handbook's Project Planning and Design Guide.
- Prepare a Floodplain Evaluation based on a Location Hydraulic Study to be prepared. The Location Hydraulic Study will meet the requirements of Chapter 17 of the SER and in 23 CFR 650A

**Deliverable:** Draft, revised draft, and final Water Quality Assessment report

#### **5.6. ▲ Energy Studies (WBS 165.10.40)**

- Prepare an Energy Study using available information from the California Energy Commission and other sources. The analysis will characterize the existing energy supply sources, projected use and demands by alternative, and any adverse impacts on supplies.

**Deliverable:** Draft, revised draft and final Energy Study report

#### **5.7. ▲ Summary of Geotechnical Report (WBS 165.10.45)**

- To be included in the administrative draft environmental document

#### **5.8. ▲ Hazardous Waste Preliminary Site Investigations (WBS 165.10.50)**

An Initial Site Assessment (ISA) was not prepared as part of the PDR process. The ISA will be prepared for the project. It will attempt to identify potentially significant soil/groundwater contamination issues that could affect the constructability, feasibility, and/or cost of the proposed project. The ISA will focus on two distinct concerns, construction issues and liability

The following scope items will be completed to develop the ISA. If potentially significant contamination is found, additional investigation may be required:

- Review available documentation for the alignments.
- Review copies of title documents and Assessor Parcel Numbers (APN) for parcels subject to partial or complete acquisition
- Review published literature regarding site geology and groundwater conditions.
- Review historical aerial photographs and topographic maps for indications of potential contamination sources
- Review a commercial database search of federal, state, county and city records for indications of the use, misuse, or storage of hazardous and/or potentially hazardous materials
- Complete limited reconnaissance of the alignments where accessible. This includes documentation of areas we observe that show evidence of surface staining; dumping; handling and mixing areas for hazardous materials
- Identify areas during our reconnaissance where potentially significant levels of aerially deposited lead (ADL) may be present
- Prepare a report summarizing the findings of our review, site reconnaissance, historical photograph/map evaluation, and regulatory records review. We will recommend further investigation and analysis if necessary
- Prepare an ISA abstract for inclusion in the Environmental Document (ED), and prepare a transmittal memo outlining the study results and proposed mitigation measures

**Deliverables:** Draft Initial Site Assessment and Final Initial Site Assessment.

#### **5.9. ▲ Draft Right-of-Way Relocation Impact Document (WBS 165.10.55)**

- Prepare a Draft Relocation Impact report (DRIR) in accordance with the Caltrans Relocation assistance and Housing Procedures Manual. No interviews will be conducted with residents or owners as part of this task. General land use categories of right-of-way needs will be used for Route Adoption

**Deliverable:** Draft, revised draft and final Draft Relocation Impact Report

**Section 4: List of Services & Approach to Delivery**
**5.10. ▲ ▲ Location Hydraulic and Floodplain Study Report (WBS 165.10.60)**

- A location hydraulic study will be prepared to evaluate potential impacts to the 100-year floodplain. The analysis will include a review of the current drainage patterns of storm runoff within the project site

**Deliverable:** Draft, revised draft and final Location Hydraulic and Floodplain Study Report

**5.11. ▲ Paleontology Study (WBS 165.10.65)**

- Prepare a paleontology study following SER guidance. The study will document sensitivity for scientific resources, compare alternatives and provide standard discovery-based mitigation measures. Literature review for Route Adoption

**Deliverable:** Draft, revised draft and final Paleontology Study

**5.12. Wild / Scenic Rivers Coordination**

(WBS 165.10.70) - Consultant services not required.

**5.13. ▲ ▲ Biological Studies (WBS 165.15)**

- Conduct studies to determine the impact of project alternatives on the natural environment and document the results of the investigations in a Natural Environment Study (NES) prepared to Caltrans NES guidance (SER). Because the feasibility study indicated the likely presence of habitat for state and federally protected and special status species, studies required to prepare a Biological Assessment (BA) will be conducted to comply with the Federal Endangered Species Act. We shall also document the presence of state and federally protected wetlands using U.S. Army Corps of Engineer's most current guidance for delineation of jurisdictional wetlands
- Conduct agency coordination to complete the environmental studies
- Screening level of analysis similar to a minimal impact NES to get through Route Adoption. Planning level will use GIS data

**Deliverables:**

- Draft, revised draft and final Natural Environment Study NES
- Draft, revised draft and final Biological Assessment (BA)
- Draft, revised draft and final Wetlands Study

**5.14. ▲ ▲ Cultural Resource Studies (WBS 165.20)**

- Conduct research, field investigations and consultations necessary to complete the Section 106 consultation process. All necessary tribal consultation and public involvement mandated by the Section 106 process shall be completed under guidance of PQS. Clearinghouse study only for Route Adoption
- Prepare a draft Area of Potential Effects (APE) / Study Area Map which will be the study area for cultural resources. A Historic Property Survey Report (HPSR) shall be prepared to summarize and document the archaeological and historical resources investigations. The HPSR shall include appendices including the Caltrans-approved APE map, Archaeological Survey Report (ASR) and Historic Resources Evaluation Report (HRER)
- A Finding of Effect (FOE) document will be prepared to accompany the HPSR if eligible or potentially eligible resources are identified. The FOE will document the potential for project alternatives to have No Adverse Effect or Adverse Effect as defined under Section 106. A Memorandum of Agreement (MOA) shall be prepared for all resources for which an Adverse Effect determination is made.
- Limited subsurface investigation at no more than five isolated test sites is assumed to be required to complete the Section 106 eligibility process for archaeological resources

**Deliverables:**

- Draft, revised draft, and final Area of Potential Effects (APE) Map
- Draft, revised draft, and final Historic Property Survey Report (HPSR) including appendices
- Draft, revised draft, and final Finding of Effect
- Draft, and revised draft Memorandum of Agreement (MOA)

**6.0. ▲ ▲ Draft Environmental Document**

(WBS 165.25)

- Prepare an administrative draft NEPA environmental impact statement (EIS) / CEQA environmental impact report (EIR) (or Administrative ED) using the document contained in the Caltrans SER. The document will summarize the results of environmental technical studies, document the project Purpose & Need, the alternatives development and screening process, and summarize the public outreach process conducted as part of environmental compliance
- The Administrative ED will include conceptual alignment color CAD-generated alignment maps, up to 10 color graphics, and up to 50 black and white graphics
- Route Adoption will be prepared to an Administrative CEQA PEIR for a proposed project with lesser level of detail for up to 2 additional alternatives

**Deliverable:** Administrative ED (50 copies)



**6.1. ▲ ▲ ▲ Draft Environmental Document**

**Analysis (WBS 165.25.05)**

- The Administrative ED will summarize the analysis of alternatives at an equal level of detail (No-Build plus two build alternatives) and will include additional analysis for which environmental stand-alone technical reports were not developed

**Deliverable: Administrative ED sections**

**6.2. ▲ ▲ Section 4(f) Evaluation (WBS 165.25.10)**

- Prepare a Section 4(f) evaluation based on FHWA guidance to evaluate the impacts to Section 4(f) resources (public recreational facilities, refuges, historic resources) affected by the project. Up to 10 Section 4(f) resources will be evaluated

**Deliverable: Administrative Draft and Draft Section 4(f) Evaluation**

**6.3. Categorical Exemption / Categorical Exclusion Determination (WBS 165.25.15)**  
Consultant services not required.

**6.4. ▲ Environmental Quality Control and Other Reviews (WBS 165.25.20)**

- Conduct editorial and quality assurance reviews on the Administrative ED and incorporate into the Administrative ED prior to submittal

**Deliverable: Administrative ED**

**6.5. Approval to Circulate Resolution**  
(WBS 165.25.25) - Consultant services not required.

**6.6. Environmental Coordination**  
(WBS 165.25.30) - Consultant services not required.

**6.7. ▲ NEPA Delegation Pilot Program**  
(WBS 165.30)

- Provide necessary information for compliance with the NEPA Delegation Pilot Program

**Deliverable: Documentation**

**6.8. ▲ ▲ Required Permits During PA&ED Development** (Includes WBS 165.45 through 165.50.50)

- Identify the permits which will be required for the project. This information will be included in the Administrative ED

**Deliverable: Administrative ED**

**6.9. Updated Environmental**

**Commitments Record (WBS 165.50.50)**

- Internal Caltrans task. Consultant support services only

**6.10. ▲ NEPA Delegation (WBS 165.50.55)**

- Provide NEPA Delegation information and document readiness forms to facilitate Caltrans review of the Administrative ED.

**Deliverable: NEPA Delegation forms**

**6.11. Other Permits (WBS 165.50.95)** Consultant services not required.

**7.0. ▲ Circulate Draft Environmental Document and Select Preferred Project Alternative**  
(WBS 175.05 through 175.05.20)

- Prepare, publish and distribute the Draft NEPA EIS / CEQA EIR / Section 4(f) Evaluation document (Draft ED)

**Deliverable: Draft ED (up to 200 copies)**

**7.1. ▲ DED Circulation (WBS 175.05)**

- Upon receipt of approval to circulate from NCC JPA, print and distribute up to 200 copies of the Draft ED. The Draft ED is expected to be approximately 750-pages-long with up to 50 alignment drawings and 25 color graphics

**Deliverable: Draft ED**

**7.1.1 ▲ Master Distribution and Invitation Lists**  
(WBS 175.05.05)

- Prepare a distribution list which will be included in the Draft ED. The list will include elected officials, federal, state, JPA, county, and city agency representatives, organizations and individuals

**Deliverable: Distribution list**

*...In a letter to Supervisor Grover and Mayor Jackson, the Caltrans Director Wil Kempton, expressed his intent to commit up to \$91 million in Interregional Improvement Program (ITIP) funding...*



**7.1.2 ▲▲ Notices Regarding Public Hearing and Availability of Draft Environmental Document (WBS 175.05.10)**

- Prepare draft notices of publication and availability of the Draft ED (CEQA and NEPA) and prepare draft public advertisements for NCC JPA to publish in newspapers of general circulation

**Deliverable:** Notices and advertisements

**7.1.3 DED Publication and Circulation**

(WBS 175.05.15)

- Scope of Services - see WBS 2.175.05 description above

**Deliverable:** See above

**7.1.4 Federal Consistency Determination**

(Coastal Zone) (WBS 175.05.20)

Scope of Services - Not applicable

**7.2. ▲▲▲ Public Hearing**

(WBS 175.10.05 through 175.10.40)

- Plan and conduct up to two public hearing to meet CEQA and NEPA requirements for obtaining public and agency comments on the Draft ED. In addition, plan and conduct up to two public hearing for route adoption. Please refer to Public Outreach section

**Deliverables:**

- Public hearing collateral, public hearing logistics, Draft, revised draft and final Public Hearing Summary Report

**7.3. ▲ Project Preferred Alternative (WBS 175.20)**

- Following the close of the public circulation period, we will prepare a draft Preferred Alternative Memorandum summarizing the findings of the environmental process and the public and agency representatives input

**Deliverable:** Draft, revised draft and final Preferred Alternative Memorandum

*...Our "step-wise environmental approach" for this project that would enable timely completion of necessary environmental approvals required for route adoption and interregional designation...*

**7.4. ▲ NEPA Auditing (WBS 175.25)**

Ongoing auditing information task

**Deliverable:** As required

**8.0. Prepare and Approve Project Report and Final Environmental Document**
**8.1. ▲▲▲ Updated Draft Project Report**

(WBS 180.05.05)

- Upon completion of the Response to Comments on the Environmental Document, the Draft Project Report will be updated to reflect results from the public review and comment period. A Draft Final Project Report will be submitted to NCC JPA and Caltrans for review. Following receipt of comments, a comment review workshop will be held with the respondents and provide appropriate responses. A Final Project Report will be prepared and submitted for review and approval

**Deliverable:** Draft Final and Final Project Report

**8.2. ▲▲ Approved Project Report (WBS 180.05.10)**

- Once the Final Project Report has been submitted, the Project Manager will work with NCC JPA and Caltrans to obtain the appropriate signatures. Up to three submittals (two review cycles) of the Final Project Report are anticipated

**Deliverable:** Signed Project Report

**8.3. ▲▲▲ Updated Storm Water Data Report**

(WBS 180.05.15)

- The Storm Water Data Report will be reviewed for consistency with current requirements and updated to incorporate necessary changes for the selected alternative only. Up to three submittals (two review cycles) are anticipated

**Deliverable:** Updated Storm Water Data Report for Preferred Alternative

**8.4. ▲▲ Geometric Approval Drawings (GAD) for Selected Alternative (WBS 180.05.20)**

- Prepare geometric approval drawings (GAD) at a scale of 1" = 50' in accordance with Caltrans plan preparation criteria for GAD for the selected alternative from the Final Project Report
- The GAD will include existing topographic and planimetric mapping, approximate right-of-way acquisition lines, center lines, calculated geometric layouts, typical sections, and a preliminary Title Sheet
- Design roadway geometry including horizontal and vertical geometry for ramps, connectors and cross streets, including profile and superelevation diagrams

**Section 4: List of Services & Approach to Delivery**

- Conceptual grading utilizing standard slopes will be developed to establish preliminary right-of-way limits.
- Typical cross sections will be prepared to illustrate lane and shoulders in the lane configurations and other basic cross sectional data
- Geometric Approval Drawings will be prepared according to Caltrans guidelines. This effort provides equivalent detail to PS&E requirements. Approval will be obtained from Caltrans Offices of Traffic Operations and Design, and HQ Geometric Reviewer. Up to four submittals (three review cycles) of the GADs are anticipated

**Deliverable: Geometric Approval Drawing for Preferred Alternative**

**8.5. ▲ Approved Final Environmental Document (WBS 180.10.05)**

- Prepare an Administrative Draft Final EIS/EIR (Administrative Final ED) with comments received during the public circulation. An Administrative Draft Final ED, revised Administrative Draft Final and Draft Final ED will be prepared for review by the NCC JPA and Caltrans
- The Final ED will include the revised Final Section 4(f) and any modifications to the identified preferred alternative
- The Final ED will include records of consultations and will include CEQA Findings and Statement of Overriding Considerations which will be adopted by the CEQA lead agency, an approved and signed Section 106 MOA (if required), and any updated consultation to obtain a Biological Opinion from the U.S. Fish and Wildlife Service under the federal Endangered Species Act. Federal will be included as appendices
- Administrative Final CEQA PEIR for Route Adoption

**Deliverable:**

- Draft, revised draft and final draft Final ED, including Section 4(f) Evaluation, Findings and Statement of Overriding Considerations and memoranda as appendices documenting federal findings and consultations

**8.6. ▲ Public Distribution of FED and Respond to Comments (WBS 180.10.10)**

- Print and distribute up to 100 copies of the Final ED upon approval to circulate from the NCC JPA and Caltrans

**Deliverable: Final ED (up to 100 copies)**

**8.7. ▲ Final Right-of-Way Relocation Impact Document (WBS 180.10.15)**

- Coordinate with the engineer to determine the final relocation impacts which will be documented for the preferred alternative in the Final ED

**Deliverable: Final ED**

**8.8. ▲ Completed Environmental Document (WBS 180.15)**

- Work with NCC JPA to resolve comments from agency representatives and other stakeholders. Final ED will be published and Caltrans signature obtained for the title page
- Completion of the Final ED will include preparing a draft, revised draft and final Notice of Determination for CEQA for NCC JPA to publish and a draft, and will also include a revised draft and final NEPA Record of Decision (ROD) for Caltrans to forward to the Federal Register
- Administrative Final CEQA PEIR for Route Adoption

**Deliverable: Draft, revised draft and final ED and CEQA PEIR for Route Adoption**

**8.8.1 ▲ Record of Decision (NEPA) (WBS 180.15.05)**

- Prepare a draft Record of Decision (ROD). The ROD will summarize the impacts of the preferred alternative (project) and the mitigation measures which NCC JPA and Caltrans commit to implement

**Deliverable: Draft, revised draft and final Record of Decision (ROD)**

**8.8.2 ▲ Notice of Determination (CEQA) (WBS 180.15.10)**

- Prepare a CEQA Notice of Determination (NOD) form for NCC JPA to submit to the State Clearinghouse and the County Clerk

**Deliverable: Draft, revised draft and final Notice of Determination (NOD) form, Admin. Final CEQA PEIR for Route Adoption**

**Environmental Commitments Record (WBS 180.15.20)**

- Internal Caltrans task. Consultant support services only

**8.9. ▲ NEPA Delegation (WBS 180.20)**

- Provide documentation to NCC JPA and Caltrans concerning status of the environmental process including audit data Caltrans requires for submittal to FHWA

**Deliverable: Audit information and Caltrans forms completed as required**

*...Our team will successfully enable environmental clearance, sound engineering, and position the JPA for significant funding opportunities to complete the construction for this project...*

## Optional Services Recommended:

### Strategic Communications Guidance

MMC Communications will work closely with the tactical communications team to provide strategic communications guidance for effective management of community outreach, issues management, and overall program development and implementation. This guidance will be to the consultant Project Manager at Jacobs Carter Burgess. They will define a clear set of communications program goals and objectives and work with the public outreach team to manage the development of a Strategic Plan which will specifically address those goals and objectives. MMC will meet with the communications team at least monthly for plan effectiveness review. The plan will be updated, so that issues are incorporated, and the impact of the most affected activities are maximized.

- Develop Key Messages
- Provide Ongoing Strategic Counsel
- Issues Management

### Legislative Advisor

Sector Strategies will act as the liaison to design and implement a government relations strategy for the JPA. The government relations strategy will be designed primarily to promote the goals and objectives of the JPA through public testimony, and briefings with regulators and elected officials. The government affairs liaison is specifically charged with monitoring and reporting on regulatory and legislative activities that impact the project in the following areas:

- Route adoption
- Greenhouse gas, air quality, and other environmental issues that may affect the scope, cost, or schedule of the project
- Public-Private partnerships
- Alternative delivery methods for design and construction
- Funding opportunities, grants, demonstration, etc.
- Threats to the project, environmental groups, growth inducement, etc.
- Sustainable construction opportunities
- Permitting assistance
- Government Relations

#### Deliverables:

- Prepare Government Relations Strategy Plan
- Identified key public policy issues and impacts
- Tracking and reporting of legislation and regulatory actions
- Monitoring and reporting on legislative and regulatory hearings
- Recommend lobbying outreach strategies and communication techniques
- Prepare presentation materials and coordinate public testimony at regulatory and legislative hearings
- Prepare speaking points for JPA staff and elected officials

for community presentations

- Recommend a grassroots lobbying strategy to promote the project and to offset potential opposition
- Prepare a monthly report on legislative and regulatory activity supplemented with brief weekly updates

### Optional Land Use Impact and Suitability Study

The new expressway will directly impact a number of properties, and in some cases, may physically divide existing parcels along the proposed route. Jon Hilliard, of Jacobs Carter Burgess, will review the Plan Lines prepared for the project and the adjacent parcelization to determine the degree of potential impacts. The expressway will also present planning challenges and opportunities relative to interface with the jurisdictional Spheres of Influence, and Land Use Plan of the member agencies of the project JPA. In addition, limited access points will impact the future usability of properties and opportunities for Transit Oriented Development at strategic locations that may serve as a model and catalyst for sustainable land development.

- Prepare parcelization diagrams for the Project alignments with written analysis
- Recommendations on potential alienation and/or consolidation of impacted parcels will be included in the analysis
- Prepare a Land Planning Considerations Study of the existing and future planning considerations, including the existing General Plans, Comprehensive Annexation Plans, Sphere of Influence and appurtenant Specific Plans of the JPA member agencies
- Prepare recommendations on potential amendments to the various planning and policy documents to preserve the viability of existing future land uses in the associated area of impact
- Prepare Transit Oriented Development (TOD) Location Study and Guidelines to assist the jurisdictions with identifying locations that would be conducive to mixed use, higher intensity TOD

### Corridor Aesthetics

Don Phillips with PAC Design Associates will assist in the outreach process to engage thematic elements for bridge architecture and signage/monumentation. This can be divided from a historical context and/or community "Sense of Place" through the use of design charrettes with sketches, an overall sub-regional brand(s) can be developed.



180 Promenade Circle, Suite 300  
Sacramento, CA 95834 U S A  
(916) 929-3323 Fax: (916) 929-1772

June 16, 2008

Ms. Laurie Barton  
Deputy Director – Engineering and Operations  
1716 Morgan Road  
Modesto, CA 95358

RE: Level of Effort and Fee Estimate for Proposal to provide professional services in the preparation of Project Approval and Environmental Document (PA&ED) for the North County Corridor

Dear Ms. Barton,

Attached is the level of effort and fee estimate for the subject project. This estimate is presented in a task specific format, with a total fee of \$6,700,000. This fee includes a salary escalation that can be anticipated during the life of the project and other assumptions that are detailed on the fee spreadsheet.

Our proposed method of billing would be "time and materials" using a fee schedule. The proposed fee would not be exceeded without authorization for out of scope work. We believe that this is the best approach to this project as the community outreach effort may reveal an alternative that could require scope and fee adjustments, either up or down. In addition, there are optional services contained in the Scope of Work submitted that do not have a fee associated with them.

In summary, we believe that our costs reflect reasonable fees based upon an anticipated effort. If selected, we respectfully request that we further discuss the scope and fee in detail and make adjustments to develop a collaborative approach that meets the needs of the North County Corridor Transportation Expressway Joint Powers Authority.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kris Balaji'.

Kris Balaji, PE, PMP  
Project Manager/Director of Transportation Program  
Jacobs Carter Burgess

**North County Corridor Joint Powers Authority**



501

NOC Fee-Route Adoption, TIER 1-Final x12  
Labor Cost Estimate

**NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT**  
**North County Corridor Joint Powers Authority**

FEE PROPOSAL



Task	Description	Project Manager	Design Engineer	Project Engineer 1	Project Engineer 2	QA/QC	Construction Lead	Permit	Environmental Review	Other Consultants/Advis	Total Fee
3	Perform Preliminary Engineering Studies And Draft Project Report - ROUTE ADOPTION										
3.1	Updated Project Information - As It Relates To The Preferred Alternative In The Project Report	20	0	0	0	0	0	0	0	0	\$20,000.00
	Approved PSR Review	15	20	0	0	0	0	0	0	0	\$25,000.00
	Geotechnical Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Materials Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Traffic Data And Forecasts Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Geometrics Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Project Scope Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Project Cost Estimate Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Subcontracting Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.2	Updated Project Information - As It Relates To The Preferred Alternative Phased - Alternative 4	20	0	0	0	0	0	0	0	0	\$20,000.00
3.3	Approved PSR Review	15	20	0	0	0	0	0	0	0	\$25,000.00
3.4	Geotechnical Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.5	Materials Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.6	Traffic Data And Forecasts Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.7	Geometrics Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.8	Project Scope Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.9	Project Cost Estimate Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.10	Subcontracting Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.11	Updated Project Information - As It Relates To The Preferred Alternative Phased - Alternative 4	20	0	0	0	0	0	0	0	0	\$20,000.00
3.12	Approved PSR Review	15	20	0	0	0	0	0	0	0	\$25,000.00
3.13	Geotechnical Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.14	Materials Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.15	Traffic Data And Forecasts Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.16	Geometrics Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.17	Project Scope Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.18	Project Cost Estimate Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.19	Subcontracting Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.20	Updated Project Information - As It Relates To The Preferred Alternative Phased - Alternative 4	20	0	0	0	0	0	0	0	0	\$20,000.00
3.21	Approved PSR Review	15	20	0	0	0	0	0	0	0	\$25,000.00
3.22	Geotechnical Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.23	Materials Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.24	Traffic Data And Forecasts Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.25	Geometrics Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.26	Project Scope Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3.27	Project Cost Estimate Review	4	0	0	0	0	0	0	0	0	\$1,000.00
3A	Perform Preliminary Engineering Studies And Draft Project Report - TIER 1 STUDIES OPTION										
3A.1	Updated Project Information - As It Relates To The Preferred Alternative In The Project Report	20	0	0	0	0	0	0	0	0	\$20,000.00
	Approved PSR Review	15	20	0	0	0	0	0	0	0	\$25,000.00
	Geotechnical Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Materials Information Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Traffic Data And Forecasts Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Geometrics Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Project Scope Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Project Cost Estimate Review	4	0	0	0	0	0	0	0	0	\$1,000.00
	Subcontracting Review	4	0	0	0	0	0	0	0	0	\$1,000.00

NCC Fee Study Adoption, TIER 1 Final is  
 Labor Cost Estimate

**North County Corridor Joint Powers Authority**

[illegible]

NCC Fee-Route Adoption, TIER I-Final.xls  
Labor Cost Estimate

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority



### FEE PROPOSAL

Task	Description	Project Manager	App. Engineering Lead	Senior Engineer	Project Engineer 1	Project Engineer 2	QA/QC Designer	Project Admin	Claddys	Environment Lead	Environment Admin	Environment Planning	Environment Reporting	Project Coordination Admin	Total Fee Task
5.13	Biological Studies														
	Biological Assessment														
	Wetlands Study														
	Resource Agency Permit Related Coordination														
	Natural Environment Study Report														
6.14	Cultural Resource Studies														
	Archaeological Survey														
	Area Of Potential Effects Study Area Maps														
	Native American Consultation														
	Records And Literature Search														
	Field Survey														
	Archaeological Survey Report														
	Other Archaeological Survey Products														
	Extended Phase I Archaeological Studies														
	Native American Consultation														
	Extended Phase I Proposal														
	Extended Phase I Field Investigation														
	Extended Phase I Materials Analysis														
	Extended Phase I Report														
	Phase II Archaeological Studies														
	Native American Consultation														
	Phase II Proposal														
	Phase II Field Investigation														
	Phase II Materials Analysis														
	Phase II Report														
	Historical And Architectural Resource Studies														
	Preliminary Area Of Potential Effects Study Area Maps For Architecture														
	Historic Resource Evaluation Report - Architecture														
	Historic Resource Evaluation Report - Architecture (HREI)														
	Bridge Evaluation														
	Cultural Resource Consultation Documents														
	Preliminary Area Of Potential Effects Study Area Maps														
	PAC Sign's Consultation														
	Historic Property Survey Report/Historic Resources Complex Report														
	Findings Of Effect														
	Archaeological Data Recovery Plan/Treatment Plan														
	Memorandum Of Agreement														
6.1	Final Environmental Document														
6.2	Final Environmental Document Analysis														
6.3	Section A/C Evaluation (TER ONLY)														
6.4	Categorical Exemption/Categorical Evaluation Determination														
6.5	Environmental Quality Control And Other Reviews														
6.6	Approval To Circulate Resolution														
6.7	Environmental Coordination														
6.8	NEPA Designation (TER ONLY)														
6.9	Request Permits During PAID Development (TER ONLY)														



# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority



### FEE PROPOSAL

Task	Description	Project Manager	Project Engineer /	Senior Engineer	Project Engineer 2	CAD Designer	Project Admin	CA/DOCS	Engineering Lead	Project	Engineering Planning	Environmental Planning	Project Community Admin	Total by Task
6.9	Permitting / PAED Development													
6.10	U.S. Army Corps Of Engineers Permit (401)													\$4,440.00
6.11	U.S. Forest Service Permit(s)													\$3,500.00
	U.S. Coast Guard Permit													
	Department Of Fish & Game (600 Agreement(s))													
	Consent Zone Development Permit													
	Local Agency Consumptive Permit													
	Waste Discharge (NPDES) Permit													
	U.S. Fish And Wildlife Service Approval													
	Regional Water Quality Control Board 401 Permit													
	Upstream Environmental Commitments Report													
	NEPA Disaggregation (TIER I ONLY)													
	Other Permits													
6A, 6A, 6A	Perform Environmental Studies And Prepare Draft Environmental Document - TIER I (200,000)													
6A	Environmental Studies Of Alternatives Modeling For Studies In P&B													
6A.1	Project Information Review													\$1,000.00
6A.2	Public And Agency Scoping Process													\$1,000.00
6A.3	Alternatives For Final Study													\$1,000.00
6A	Scoping For Final Study													
6A.1	Community Impact Analysis, Land Use And Growth Studies													\$1,000.00
6A.2	Visual Impact Assessment And Scenic Resource Evaluation													\$1,000.00
6A.3	Noise Study													\$1,000.00
6A.4	Air Quality Study													\$1,000.00
6A.5	Water Quality Studies													\$1,000.00
6A.6	Energy Studies													\$1,000.00
6A.7	Summary Of Geotechnical Report													\$1,000.00
6A.8	Hazardous Waste Preliminary Site Investigations													\$1,000.00
6A.9	Draft Right Of Way Preliminary Impact Document													\$1,000.00
6A.10	Local Agency Comments And Responses Study Report													\$1,000.00
6A.11	Public Agency Study													\$1,000.00
6A.12	State And County River Coordination													\$1,000.00
6A.13	State And County River Coordination													\$1,000.00
6A.14	State And County River Coordination													\$1,000.00
6A.15	State And County River Coordination													\$1,000.00
6A.16	State And County River Coordination													\$1,000.00
6A.17	State And County River Coordination													\$1,000.00
6A.18	State And County River Coordination													\$1,000.00
6A.19	State And County River Coordination													\$1,000.00
6A.20	State And County River Coordination													\$1,000.00
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6A.24	State And County River Coordination													\$1,000.00
6A.25	State And County River Coordination													\$1,000.00
6A.26	State And County River Coordination													\$1,000.00
6A.27	State And County River Coordination													\$1,000.00
6A.28	State And County River Coordination													\$1,000.00
6A.29	State And County River Coordination													\$1,000.00
6A.30	State And County River Coordination													\$1,000.00
6A.31	State And County River Coordination													\$1,000.00
6A.32	State And County River Coordination													\$1,000.00
6A.33	State And County River Coordination													\$1,000.00
6A.34	State And County River Coordination													\$1,000.00
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6A.39	State And County River Coordination													\$1,000.00
6A.40	State And County River Coordination													\$1,000.00
6A.41	State And County River Coordination													\$1,000.00
6A.42	State And County River Coordination													\$1,000.00
6A.43	State And County River Coordination													\$1,000.00
6A.44	State And County River Coordination													\$1,000.00
6A.45	State And County River Coordination													\$1,000.00
6A.46	State And County River Coordination													\$1,000.00
6A.47	State And County River Coordination													\$1,000.00
6A.48	State And County River Coordination													\$1,000.00
6A.49	State And County River Coordination													\$1,000.00
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6A.97	State And County River Coordination													\$1,000.00
6A.98	State And County River Coordination													\$1,000.00
6A.99	State And County River Coordination													\$1,000.00
6A.100	State And County River Coordination													\$1,000.00

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

North County Corridor Joint Powers Authority



FEE PROPOSAL

Task	Description	Project Manager	Project Engineer	Senior Engineer	Project Engineer II	QA/QC Designer	Project Admin	Architect	Environmental Lead	Environmental Planning	Environmental Monitoring	Project Construction	Total by Task
BA.14	Cultural Resource Studies												
BA.14.1	Archaeological Survey												
BA.14.1.1	Area Of Potential Effect/Study Area Maps												
BA.14.1.2	Native American Consultation												
BA.14.1.3	Records And Lenses Search												
BA.14.1.4	Field Survey												
BA.14.1.5	Archaeological Survey Report												
BA.14.1.6	Other Archaeological Survey Products												
BA.14.1.7	Extended Phase I Archaeological Studies												
BA.14.1.8	Native American Consultation												
BA.14.1.9	Extended Phase I Proposal												
BA.14.1.10	Extended Phase I Field Investigation												
BA.14.1.11	Extended Phase I Materials Analysis												
BA.14.1.12	Extended Phase I Report												
BA.14.2	Phase II Archaeological Studies												
BA.14.2.1	Native American Consultation												
BA.14.2.2	Phase II Field Investigation												
BA.14.2.3	Phase II Proposal												
BA.14.2.4	Phase II Field Investigation												
BA.14.2.5	Phase II Materials Analysis												
BA.14.2.6	Phase II Report												
BA.14.3	Historical And Architectural Resource Studies												
BA.14.3.1	Preliminary Area Of Potential Effect/Study Area Maps For Architecture												
BA.14.3.2	Historic Resource Evaluation Report - Architecture												
BA.14.3.3	Historic Resource Evaluation Report - Architecture (HREAR)												
BA.14.3.4	Bridge Evaluation												
BA.14.3.5	Cultural Resource Compliance Consultation Documents												
BA.14.3.6	Final Area Of Potential Effect/Study Area Maps												
BA.14.3.7	Historic Property Survey Report/Historic Resource Compliance Report												
BA.14.3.8	Finding Of Effect												
BA.14.3.9	Archaeological Data Recovery Plan/Treatment Plan												
BA.14.3.10	Memorandum Of Agreement												
BA.14.4	Oral Environmental Document Analysis												
BA.14.4.1	Section 4(f) Evaluation												
BA.14.4.2	Categorical Exemption/Categorical Exclusion Determination												
BA.14.4.3	Environmental Quality Control And Other Reviews												
BA.14.4.4	Approval To Complete Resolution												
BA.14.4.5	Environmental Coordination												
BA.14.4.6	NEPA Delegation												
BA.14.4.7	Regional Permit During PALED Disposition												
BA.14.5	Private Parties DAMED Proceedings												
BA.14.5.1	U.S. Army Corps Of Engineers Permit (404)												
BA.14.5.2	U.S. Forest Service Permit (404)												
BA.14.5.3	U.S. Coast Guard Permit												
BA.14.5.4	Department Of Fish & Game 1600 Agreement(s)												
BA.14.5.5	Coastal Zone Development Permit												
BA.14.5.6	Local Agency Concurrence Permit												
BA.14.5.7	Waste Discharge (NPDES) Permit												
BA.14.5.8	U.S. Fish And Wildlife Service Approval												
BA.14.5.9	Regional Water Quality Control Board 401 Permit												
BA.14.5.10	Unfunded Environmental Commitments Report												
BA.14.5.11	NEPA Delegation												
BA.14.5.12	Other Permits												

NCC Fee-Route Adoption, TIER I Final vs. Labor Cost Estimate

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

North County Corridor Joint Powers Authority



FEE PROPOSAL

Task	Description	Project Manager	Project Engineer	Senior Engineer	Project Engineer 1	Project Engineer 2	Chief Designer	Project Admin	Geographic Lead	Geographic Lead	Geographic Lead	Project	Environmental Planning	Environmental Planning	Project Coordination Admin	Year by Task
7	Complete Draft Environmental Document And Submit Preferred Project Alternative - ROUTE ADOPTION															
7.1	DED Circulation															
	Master Distribution And Circulation Maps															\$15,775.00
	Notices Regarding Public Hearing And Availability Of Draft Environmental Document															\$115,440.00
	DED Publication And Circulation															\$2,740.00
	Public Hearing															\$15,960.00
7.2	Need For Public Hearing Determination															\$6,760.00
	Public Hearing Logistics															\$21,618.00
	Displays For Public Hearing															\$3,300.00
	Second Notices Of Public Hearing And Availability Of DED															\$5,650.00
	Map Displays And Public Hearing Maps															\$2,800.00
	Public Hearing															\$2,700.00
	Record Of Public Hearing															\$12,800.00
	Public Comment Responses And Correspondence															\$2,740.00
7.3	Project Preferred Alternative															\$3,466.00
7.4	NEPA Deligation															\$3,848.00
7A	Complete Draft Environmental Document And Submit Preferred Project Alternative - TRAIL ADOPTION															
7A.1	DED Circulation															
	Master Distribution And Circulation Maps															\$15,775.00
	Notices Regarding Public Hearing And Availability Of Draft Environmental Document															\$115,440.00
	DED Publication And Circulation															\$2,740.00
	Public Hearing															\$15,960.00
7A.2	Need For Public Hearing Determination															
	Public Hearing Logistics															\$21,618.00
	Displays For Public Hearing															\$3,300.00
	Second Notices Of Public Hearing And Availability Of DED															\$5,650.00
	Map Displays And Public Hearing Maps															\$2,800.00
	Public Hearing															\$2,700.00
	Record Of Public Hearing															\$12,800.00
	Public Comment Responses And Correspondence															\$2,740.00
7A.3	Project Preferred Alternative															\$3,466.00
7A.4	NEPA Deligation															\$3,848.00
8	Prepare And Approve Project Report And Final Environmental Document - ROUTE ADOPTION															
8.1	Final Project Report															\$70,000.00
8.2	Updated Draft Project Report															\$15,000.00
8.3	Updated Project Report															\$5,700.00
8.4	Updated Storm Water Data Report															\$4,450.00
	Geometric Approval Drawings (GAD) For Selected Alternative															\$2,000.00

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

North County Corridor Joint Powers Authority



FEE PROPOSAL

Task	Description	Project Manager	Lead Planning	Senior Engineer	Project Engineer	Project Engineer	QA/QC Designer	Project Admin	COPIES	Computer Lead	Printer	Computer/Printing	Project Coordinator Admin	Total Fee
B.0	Final Environmental Document													
	Approved Final Environmental Document													
	Draft Final Environmental Document Review													
	Revised Draft Final Environmental Document													
	Section 401 Evaluation (Tier I Only)													
	Findings Of Overriding Considerations													
	CEQA Certification													
	FHWA Approval													
	Section 106 Consultation And Map													
	Section 7 Consultation													
	Final Section 401 Statement													
	Floodplain Only Practicable Alternative Finding													
	Wetlands Only Practicable Alternative Finding													
	Section 404 Compliance													
	Navigation Measures													
B.4	Public Distribution Of FED And Response To Comments													
B.7	Final Right Of Way Relocation Impact Document													
B.8	Completed Environmental Document													
	Notice Of Decision (NEPA)													
	Notice Of Decision (CEQA)													
	Environmental Commitments Record													
B.9	NEPA Disposition													
BA	Program And Approval Project Report And Final Environmental Document - With I-805													
	Final Project Report													
BA.1	Updated Draft Project Report													
BA.2	Approved Project Report													
BA.3	Updated Storm Water Data Report													
BA.4	Geometric Approval Drawings (GAD) For Section Alternatives													
BA.5	Final Environmental Document													
	Approved Final Environmental Document													
	Draft Final Environmental Document Review													
	Revised Draft Final Environmental Document													
	Section 401 Evaluation													
	Findings													
	Statement Of Overriding Considerations													
	CEQA Certification													
	FHWA Approval													
	Section 106 Consultation And Map													
	Section 7 Consultation													
	Final Section 401 Statement													
	Floodplain Only Practicable Alternative Finding													
	Wetlands Only Practicable Alternative Finding													
	Section 404 Compliance													
	Navigation Measures													
BA.6	Public Distribution Of FED And Response To Comments													
BA.7	Final Right Of Way Relocation Impact Document													

# North County Corridor Joint Powers Authority

[illegible][illegible]

CEQA Document for Route Adoption is a screening level document based upon aerial mapping and data base searches  
TIER I Hybrid Doc. - Corridor level study to protect R/W and clear the last phase of construction. - document based upon field studies and investigations

TIER 1 document will be an in-depth PIR with alternatives focused on the identified corridor from the CEQA document

**Route Adoption - technical studies and design extensions / need for more design guidelines**

THEIR 1-3 alternatives plus the phased preferred alternative will be studied

Project management meetings will extend monthly over the life of the project, assumed at 54 months total.

**Public outreach:** - 3 newsletters and fact sheets/handouts will be developed for each year.

Surveys consist of aerial mapping, 2 foot contour topographic, and horizontal control for preliminary night of way, during which the IER documents are for submission.

The traffic study for the route adoption will be limited to updating the Feasibility and POR corridor investigations to the corridor. The study will not be a comprehensive study for the corridor. The study will be limited to updating the Feasibility and POR corridor investigations to the corridor.

Traffic forecasting will be prepared with the route adoption for use through both documents.

Value Analysis will be performed only for the TIER I document Structural Investigations, (CT Advanced Planning Studies) will be performed during the TIER I design.

The Geotechnical investigations will be prepared for the TIER 1 document only.

The Geotechnical ISA includes a preliminary bridge information. Both of these sheets will be necessary for the preliminary bridge information.

Utility Location/Coordination will be done during the TIER 1 only

Two IACB documents for the subsequent phases are included in this scope and fee proposal:

The scope of service required for this project to meet the needs of the project and the deadlines for funding with the C...

is imperative that a detailed scoping meeting be held with the JPA, Caltrans and other agencies involved to document goals for the technical studies.

...to meet the goals of the project in funding, project

don\_tier1final.xls

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## **EXHIBIT C**

### **CONSULTANTS FEE SCHEDULES**

# **EXHIBIT C-1**





# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT TASK ORDER #1

## North County Corridor JPA

FEE PROPOSAL REVISED 7/14/08



Task	Description	10/1/07	11/1/07	12/1/07	1/1/08	2/1/08	3/1/08	4/1/08	5/1/08	6/1/08	7/1/08	8/1/08	9/1/08	10/1/08	11/1/08	12/1/08	1/1/09	2/1/09	3/1/09	4/1/09	5/1/09	6/1/09	7/1/09	8/1/09	9/1/09	10/1/09	11/1/09	12/1/09	1/1/10	2/1/10	3/1/10	4/1/10	5/1/10	6/1/10	7/1/10	8/1/10	9/1/10	10/1/10	11/1/10	12/1/10	1/1/11	2/1/11	3/1/11	4/1/11	5/1/11	6/1/11	7/1/11	8/1/11	9/1/11	10/1/11	11/1/11	12/1/11	1/1/12	2/1/12	3/1/12	4/1/12	5/1/12	6/1/12	7/1/12	8/1/12	9/1/12	10/1/12	11/1/12	12/1/12	1/1/13	2/1/13	3/1/13	4/1/13	5/1/13	6/1/13	7/1/13	8/1/13	9/1/13	10/1/13	11/1/13	12/1/13	1/1/14	2/1/14	3/1/14	4/1/14	5/1/14	6/1/14	7/1/14	8/1/14	9/1/14	10/1/14	11/1/14	12/1/14	1/1/15	2/1/15	3/1/15	4/1/15	5/1/15	6/1/15	7/1/15	8/1/15	9/1/15	10/1/15	11/1/15	12/1/15	1/1/16	2/1/16	3/1/16	4/1/16	5/1/16	6/1/16	7/1/16	8/1/16	9/1/16	10/1/16	11/1/16	12/1/16	1/1/17	2/1/17	3/1/17	4/1/17	5/1/17	6/1/17	7/1/17	8/1/17	9/1/17	10/1/17	11/1/17	12/1/17	1/1/18	2/1/18	3/1/18	4/1/18	5/1/18	6/1/18	7/1/18	8/1/18	9/1/18	10/1/18	11/1/18	12/1/18	1/1/19	2/1/19	3/1/19	4/1/19	5/1/19	6/1/19	7/1/19	8/1/19	9/1/19	10/1/19	11/1/19	12/1/19	1/1/20	2/1/20	3/1/20	4/1/20	5/1/20	6/1/20	7/1/20	8/1/20	9/1/20	10/1/20	11/1/20	12/1/20	1/1/21	2/1/21	3/1/21	4/1/21	5/1/21	6/1/21	7/1/21	8/1/21	9/1/21	10/1/21	11/1/21	12/1/21	1/1/22	2/1/22	3/1/22	4/1/22	5/1/22	6/1/22	7/1/22	8/1/22	9/1/22	10/1/22	11/1/22	12/1/22	1/1/23	2/1/23	3/1/23	4/1/23	5/1/23	6/1/23	7/1/23	8/1/23	9/1/23	10/1/23	11/1/23	12/1/23	1/1/24	2/1/24	3/1/24	4/1/24	5/1/24	6/1/24	7/1/24	8/1/24	9/1/24	10/1/24	11/1/24	12/1/24	1/1/25	2/1/25	3/1/25	4/1/25	5/1/25	6/1/25	7/1/25	8/1/25	9/1/25	10/1/25	11/1/25	12/1/25	1/1/26	2/1/26	3/1/26	4/1/26	5/1/26	6/1/26	7/1/26	8/1/26	9/1/26	10/1/26	11/1/26	12/1/26	1/1/27	2/1/27	3/1/27	4/1/27	5/1/27	6/1/27	7/1/27	8/1/27	9/1/27	10/1/27	11/1/27	12/1/27	1/1/28	2/1/28	3/1/28	4/1/28	5/1/28	6/1/28	7/1/28	8/1/28	9/1/28	10/1/28	11/1/28	12/1/28	1/1/29	2/1/29	3/1/29	4/1/29	5/1/29	6/1/29	7/1/29	8/1/29	9/1/29	10/1/29	11/1/29	12/1/29	1/1/30	2/1/30	3/1/30	4/1/30	5/1/30	6/1/30	7/1/30	8/1/30	9/1/30	10/1/30	11/1/30	12/1/30	1/1/31	2/1/31	3/1/31	4/1/31	5/1/31	6/1/31	7/1/31	8/1/31	9/1/31	10/1/31	11/1/31	12/1/31	1/1/32	2/1/32	3/1/32	4/1/32	5/1/32	6/1/32	7/1/32	8/1/32	9/1/32	10/1/32	11/1/32	12/1/32	1/1/33	2/1/33	3/1/33	4/1/33	5/1/33	6/1/33	7/1/33	8/1/33	9/1/33	10/1/33	11/1/33	12/1/33	1/1/34	2/1/34	3/1/34	4/1/34	5/1/34	6/1/34	7/1/34	8/1/34	9/1/34	10/1/34	11/1/34	12/1/34	1/1/35	2/1/35	3/1/35	4/1/35	5/1/35	6/1/35	7/1/35	8/1/35	9/1/35	10/1/35	11/1/35	12/1/35	1/1/36	2/1/36	3/1/36	4/1/36	5/1/36	6/1/36	7/1/36	8/1/36	9/1/36	10/1/36	11/1/36	12/1/36	1/1/37	2/1/37	3/1/37	4/1/37	5/1/37	6/1/37	7/1/37	8/1/37	9/1/37	10/1/37	11/1/37	12/1/37	1/1/38	2/1/38	3/1/38	4/1/38	5/1/38	6/1/38	7/1/38	8/1/38	9/1/38	10/1/38	11/1/38	12/1/38	1/1/39	2/1/39	3/1/39	4/1/39	5/1/39	6/1/39	7/1/39	8/1/39	9/1/39	10/1/39	11/1/39	12/1/39	1/1/40	2/1/40	3/1/40	4/1/40	5/1/40	6/1/40	7/1/40	8/1/40	9/1/40	10/1/40	11/1/40	12/1/40	1/1/41	2/1/41	3/1/41	4/1/41	5/1/41	6/1/41	7/1/41	8/1/41	9/1/41	10/1/41	11/1/41	12/1/41	1/1/42	2/1/42	3/1/42	4/1/42	5/1/42	6/1/42	7/1/42	8/1/42	9/1/42	10/1/42	11/1/42	12/1/42	1/1/43	2/1/43	3/1/43	4/1/43	5/1/43	6/1/43	7/1/43	8/1/43	9/1/43	10/1/43	11/1/43	12/1/43	1/1/44	2/1/44	3/1/44	4/1/44	5/1/44	6/1/44	7/1/44	8/1/44	9/1/44	10/1/44	11/1/44	12/1/44	1/1/45	2/1/45	3/1/45	4/1/45	5/1/45	6/1/45	7/1/45	8/1/45	9/1/45	10/1/45	11/1/45	12/1/45	1/1/46	2/1/46	3/1/46	4/1/46	5/1/46	6/1/46	7/1/46	8/1/46	9/1/46	10/1/46	11/1/46	12/1/46	1/1/47	2/1/47	3/1/47	4/1/47	5/1/47	6/1/47	7/1/47	8/1/47	9/1/47	10/1/47	11/1/47	12/1/47	1/1/48	2/1/48	3/1/48	4/1/48	5/1/48	6/1/48	7/1/48	8/1/48	9/1/48	10/1/48	11/1/48	12/1/48	1/1/49	2/1/49	3/1/49	4/1/49	5/1/49	6/1/49	7/1/49	8/1/49	9/1/49	10/1/49	11/1/49	12/1/49	1/1/50	2/1/50	3/1/50	4/1/50	5/1/50	6/1/50	7/1/50	8/1/50	9/1/50	10/1/50	11/1/50	12/1/50	1/1/51	2/1/51	3/1/51	4/1/51	5/1/51	6/1/51	7/1/51	8/1/51	9/1/51	10/1/51	11/1/51	12/1/51	1/1/52	2/1/52	3/1/52	4/1/52	5/1/52	6/1/52	7/1/52	8/1/52	9/1/52	10/1/52	11/1/52	12/1/52	1/1/53	2/1/53	3/1/53	4/1/53	5/1/53	6/1/53	7/1/53	8/1/53	9/1/53	10/1/53	11/1/53	12/1/53	1/1/54	2/1/54	3/1/54	4/1/54	5/1/54	6/1/54	7/1/54	8/1/54	9/1/54	10/1/54	11/1/54	12/1/54	1/1/55	2/1/55	3/1/55	4/1/55	5/1/55	6/1/55	7/1/55	8/1/55	9/1/55	10/1/55	11/1/55	12/1/55	1/1/56	2/1/56	3/1/56	4/1/56	5/1/56	6/1/56	7/1/56	8/1/56	9/1/56	10/1/56	11/1/56	12/1/56	1/1/57	2/1/57	3/1/57	4/1/57	5/1/57	6/1/57	7/1/57	8/1/57	9/1/57	10/1/57	11/1/57	12/1/57	1/1/58	2/1/58	3/1/58	4/1/58	5/1/58	6/1/58	7/1/58	8/1/58	9/1/58	10/1/58	11/1/58	12/1/58	1/1/59	2/1/59	3/1/59	4/1/59	5/1/59	6/1/59	7/1/59	8/1/59	9/1/59	10/1/59	11/1/59	12/1/59	1/1/60	2/1/60	3/1/60	4/1/60	5/1/60	6/1/60	7/1/60	8/1/60	9/1/60	10/1/60	11/1/60	12/1/60	1/1/61	2/1/61	3/1/61	4/1/61	5/1/61	6/1/61	7/1/61	8/1/61	9/1/61	10/1/61	11/1/61	12/1/61	1/1/62	2/1/62	3/1/62	4/1/62	5/1/62	6/1/62	7/1/62	8/1/62	9/1/62	10/1/62	11/1/62	12/1/62	1/1/63	2/1/63	3/1/63	4/1/63	5/1/63	6/1/63	7/1/63	8/1/63	9/1/63	10/1/63	11/1/63	12/1/63	1/1/64	2/1/64	3/1/64	4/1/64	5/1/64	6/1/64	7/1/64	8/1/64	9/1/64	10/1/64	11/1/64	12/1/64	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## North County Corridor JPA

FEE PROPOSAL REVISED 7/14/08

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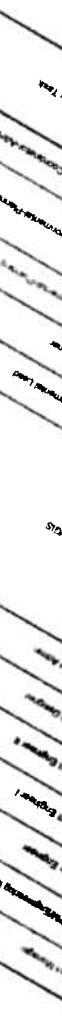
## FEE PROPOSAL REVISED 7/14/08

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## FEE PROPOSAL REVISED 7/14/08

MCC Fee-Route Adoption\_Route 90 Days.xls  
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## FEE PROPOSAL REVISED 7/14/08



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# **EXHIBIT C-2**

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority

FEE PROPOSAL REVISED 7/14/08



Task	Description	Project Manager	Project Engineer I	Project Engineer II	QA/QC Designer	QA/QC Admin	QA/QC	Environmental Lead	St. Partner	Environmental Planning	Project Coordination	Total by Task
1	Project Management - ROUTE ADOPTION and TIER I DRIVER HYDRO											
1.1	Initiation and Planning											
	Project Management Plan	210	740	330	170	10						\$211,210.00
	Not-Off Meeting	4	40	10	10	40						\$22,420.00
	Execution and Control	2	2	10	10	10						\$11,330.00
1.2	Scope, Schedule, Budget Oversight (54 months)	84	310	440		210						\$170,140.00
	Schedule Updates (10)	54	100	90								\$20,900.00
	Monthly Invoices											\$3,900.00
	Monthly Progress Reports											\$3,900.00
	Project Administration											\$3,900.00
	Construction and Monitoring											\$3,900.00
1.3	Monthly Progress (PMT) Meetings (54)	140	310	240		210						\$20,900.00
	Project Coordination Meetings (10)	100	210	210		140						\$22,560.00
	Monthly Team Leader Coordination Meetings/Calls (54)	40	40	80		40						\$35,000.00
1.4	Quality Control Program	6	80	100		100						\$23,140.00
	QA/QC Plan	2	40	100		24						\$138,000.00
	QA/QC Reviews	4	40	100		24						\$21,560.00
2	Consensus Building and Outreach - ROUTE ADOPTION											
2.1	Public Meetings	180	310	64	24	40						\$142,720.00
	Notification (2 workshops, 2 scoping, 2 public hearing)	60	90	64	40	80						\$81,440.00
	Meeting Materials (Briefs/Presentations/FADs)	10	32		40	40						\$28,800.00
	Stakeholder Meetings (Up to 10)	40	40	40		40						\$28,000.00
	Facilitation/Moderation (2 workshops)	24	24	24		24						\$28,000.00
	Summary / Documentation											\$28,000.00
2.2	Agency Coordination	104	120	24								\$41,300.00
	Agency Coordination Plan	6	10	24		104						\$13,240.00
	Agency Representatives List											\$13,240.00
	Briefing Meetings with Councils, Boards, Supervisors and Management (15)	60	60	24		32						\$13,240.00
	PPP Team Briefings (6)	10	10	24		32						\$13,240.00
2.3	Database Development and Comment Tracking	30	30			24						\$28,000.00
2.4	Combined Newsletter/Fact Sheet											\$19,000.00
2.5	Website Coordination											
2.6	Media Coordination											
2A	Consensus Building and Outreach - Tier I Issues HYDRO											
2A.1	Public Meetings	270	330	64	24	40						\$270,400.00
	Notification (3 workshops, 2 scoping, 2 public hearing)	110	160	64	40	80						\$124,000.00
	Meeting Materials (Briefs/Presentations/FADs)	24	24		40	40						\$42,560.00
	Stakeholder Meetings (Up to 15)	40	40	40		40						\$42,560.00
	Facilitation/Moderation (3 workshops)	30	30	24		24						\$42,560.00
	Summary / Documentation											\$42,560.00
	General Logistics											\$42,560.00
2A.2	Agency Coordination	140	170									\$42,560.00
	Agency Coordination Plan											\$42,560.00
	Agency Representatives List											\$42,560.00
	Briefing Meetings with Councils, Boards, Supervisors and Management (30)	120	120	24		40						\$42,560.00
	PPP Team Briefings (6)	30	30	24		24						\$42,560.00
2A.3	Database Development and Comment Tracking											
2A.4	Combined Newsletter/Fact Sheet											
2A.5	Website Coordination											
2A.6	Media Coordination											

NCC Fee/Route Adoption\_TIER I-Final  
Lower Cost Estimate

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority

FEE PROPOSAL REVISED 7/14/08



Task	Description	Project Manager	Project Engineer	Senior Engineer	Project Engineer I	Project Engineer II	CAD Designer	Project Admin	Advisor	Environmental Lead	Bi Planner	Environmental Planning	Environmental Planning	Project Cost Admin	Total by Task
3	Perform Preliminary Engineering Studies And Draft Project Report - ROUTE ADOPTION														
3.1	Updated Project Information - As It Relates To The Preferred Alternative In The Project Report														
	Approved PSR Review														
	Geotechnical Information Review														
	Materials Information Review														
	Traffic Data And Forecasts Review														
	Geometrics Review														
	Project Scope Review														
	Project Cost Estimate Review														
3.2	Engineering Studies														
	Collect Traffic Data														
	Traffic Forecasting														
	Geometric Plans For Project Alternatives (3)														
	Construction Phasing Plans (Preferred Alternate Phased - Alternative 4)														
	Value Analysis (TIER I ONLY)														
	Conceptual Hydrology/Hydrology Studies (TIER I ONLY)														
	Drainage Concept Plans (TIER I ONLY)														
	Storm Water Data Report														
	Traffic Operational Analysis														
	Right Of Way Data Sheet (TIER I ONLY)														
	Determine Right-of-Way Requirements														
	Utility Location Requirements (TIER I ONLY)														
	Railroad Study (TIER I ONLY)														
	Part And Rule Study (TIER I ONLY)														
	Traffic Studies														
	Geotechnical Information														
	Structures Advance Planning Study (TIER I ONLY)														
	Preliminary Transportation Management Plan (TIER I ONLY)														
3.19	Draft Project Report														
3.20	Cost Estimate For Alternatives														
3.21	Cost Sheet For Exceptions To Design Standards (TIER I ONLY)														
3.22	Draft Project Report														
3.23	Draft Project Report Circulation, Review And Approval														
3.24	Engineering And Land Use Studies														
3.25	Environmental Study Request														
3.26	Surveys And Mapping For Environmental Studies														
3.27	Surveys And Mapping For Environmental Studies														
3.28	Property Access Rights For Environmental/Engineering Studies														
3.29	NEPA Deliberation														
3A	Perform Preliminary Engineering Studies And Draft Project Report - TIER I ROUTE ADOPTION														
3A.1	Updated Project Information - As It Relates To The Preferred Alternative In The Project Report														
	Approved PSR Review														
	Geotechnical Information Review														
	Materials Information Review														
	Traffic Data And Forecasts Review														
	Geometrics Review														
	Project Scope Review														
	Project Cost Estimate Review														

NCC Fee-Road Adoption\_TIER I Final.doc  
Labor Cost Estimate

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority



FEE PROPOSAL REVISED 7/14/08

Task	Description	Project Cost Estimate Review	N/A
Project Manager		\$225.00	
Senior Engineering Lead		\$185.00	
Senior Engineer		\$150.00	
Project Engineer I		\$130.00	
Project Engineer II		\$105.00	
QA/QC Designer		\$60.00	
Project Admin		\$75.00	
QA/QC's		\$250.00	
Environmental Lead		\$140.00	
As Partner		\$120.00	
Environmental Planning		\$80.00	
Environmental Planning		\$80.00	
Project Coordinator Admin		\$50.00	
Total by Task			

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority

FEE PROPOSAL REVISED 7/14/08



Task	Description	Project Manager	Dep. Managing Lead	Senior Engineer	Project Engineer I	Project Engineer II	QA/QC Designer	Project Admin	QA/QC's	Environmental Lead	Sr. Planner	Environmental Planning	Environmental Planning	Project Coordinator/Admin	Total by Task
3A.2	Supplemental Studies														
3A.3	Collect Traffic Data	40	134	482	894	833	834								\$481,846.00
3A.4	Traffic Forecasting														
3A.5	Geometric Plans For Project Alternatives (3)														
3A.6	Construction Phasing Plans (Preferred Alternative Phased = Alternative 4)	8	56	200	360	360	360								\$190,040.00
3A.7	Vehicle Analysis														
3A.8	Conceptual Hydrologic/Hydrology Studies	40	40	32	80	160	160								\$57,320.00
3A.9	Drainage Concept Plans														
3A.10	Storm Water Data Report														
3A.11	Traffic Operational Analysis														
3A.12	Right Of Way Data Sheet														
3A.13	Detention Right-of-Way Requirements	2	15	8	56	56	56								\$3,415.00
3A.14	Utility Location Requirements	2	8	40	40	32	32								\$15,760.00
3A.15	Railroad Study	4	40	16	32	32	32								\$7,520.00
3A.16	Pert And Ride Study	4	40	16	32	32	32								\$18,270.00
3A.17	Traffic Studies														
3A.18	Geotechnical Information														
3A.19	Structures Advance Planning Study														
3A.20	Preliminary Transportation Management Plan														
3A.21	Draft Project Report	8	8	40	40	16	16								\$9,480.00
3A.22	Cost Estimates For Alternatives	4	32	24	24	80	160								\$198,880.00
3A.23	Fact Sheet For Exceptions To Design Standards	4	8	80	80	80	40								\$44,140.00
3A.24	Draft Project Report Circulation, Review, And Approval	4	64	64	80	80	80								\$33,180.00
3A.25	Engineering And Land Use Survey	10	120	96	96	72	72								\$47,760.00
3A.26	Environmental Study Request	8	8	40	32										\$14,000.00
3A.27	Surveys And Mapping For Environmental Studies	8	36	24	40	40	40								\$12,840.00
3A.28	Property Access Rights For Environmental/Engineering Studies	8	24	24	40	32	32								\$12,840.00
3A.29	NAPA Redirection														\$3,440.00
4, 5, 6	Perform Environmental Studies And Prepare Draft Environmental Document - ROUTE ADOPTION														
4	Environmental Scoping Of Alternatives Identified For Studies In PD								233	253	178	206	416	132	\$211,765.00
4.1	Project Information Review								44	28	18	18	34	16	\$20,340.00
4.2	Public And Agency Scoping Process								4	4	4	4	4	4	\$1,880.00
4.3	Alternatives For Further Study								35	10	10	10	20	10	\$12,520.00
5	General Environmental Studies								10	8	4	4	8	2	\$5,710.00
5.1	Community Impact Analysis, Land Use, And Growth Studies								186	87	88	186	212	64	\$102,926.00
5.2	Visual Impact Assessment And Scenic Resource Evaluation								43	30	26	40	40	10	\$28,200.00
5.3	Noise Study								65	20	8	20	30	10	\$20,450.00
5.4	Air Quality Study														
5.5	Water Quality Studies														
5.6	Energy Studies								29	4	35	10	40	6	\$13,800.00
5.7	Summary Of Geotechnical Report														
5.8	Hazardous Waste Preliminary Site Investigations														
5.9	Draft Right Of Way Relocation Impact Document								19	4		20	40	10	\$9,310.00
5.10	Location Hydraulic And Floodplain Study Report								20	2	20	20	30	10	\$12,280.00
5.11	Paleontology Study														
5.12	Wild And Scenic Rivers Coordination														
	Environmental Commitments Record														
	Other Environmental Studies								40	24	12	16	32	4	\$1,410.00
															\$19,040.00

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

## North County Corridor Joint Powers Authority

FEE PROPOSAL REVISED 7/14/08



Task	Description	Project Manager	Senior Engineering Lead	Senior Engineer	Project Engineer 1	Project Engineer 2	QA/QC Designer	Project Admin	QA/QC	Environmental Lead	Planner	Environmental Planning	Environmental Review	Project Coordinator/Admin	Totally Task
5.13	Biological Studies														
	Biological Assessment														
	Wetlands Study														
	Resource Agency Permit Related Coordination														
	Natural Environment Study Report														
5.14	Cultural Resource Studies														
	Archaeological Survey														
	Area Of Potential Effects Study Area Maps														
	Native American Consultation														
	Records And Literature Search														
	Field Survey														
	Archaeological Survey Report														
	Other Archaeological Survey Products														
	Extended Phase I Archaeological Studies														
	Native American Consultation														
	Extended Phase I Proposal														
	Extended Phase I Field Investigation														
	Extended Phase I Materials Analysis														
	Extended Phase I Report														
	Phase II Archaeological Studies														
	Native American Consultation														
	Phase II Proposal														
	Phase II Field Investigation														
	Phase II Materials Analysis														
	Phase II Report														
	Historical And Architectural Resource Studies														
	Preliminary Area Of Potential Effects Study Area Maps For Architecture														
	Historic Resource Evaluation Report - Archaeology														
	Historic Resource Evaluation Report - Architecture (HREB)														
	Bridge Evaluation														
	Cultural Resource Compliance Consultation Documents														
	Final Area Of Potential Effects Study Area Maps														
	PRC 5024.5 Consultation														
	Historic Property Survey Report/Historic Resources Compliance Report														
	Finding Of Effect														
	Archaeological Data Recovery Plan/Treatment Plan														
	Memorandum Of Agreement														
6	Drill Environmental Document														
6.1	Drill Environmental Document Analysis														
6.2	Section 4(f) Evaluation (TER I ONLY)														
6.3	Categorical Exemption/Categorical Exclusion Determination														
6.4	Environmental Quality Control And Other Review														
6.5	Approval To Circulate Resolution														
6.6	Environmental Coordination														
6.7	NEPA Disposition (TER I ONLY)														
6.8	Required Permits During PALED Development (TER I ONLY)														

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

FEE PROPOSAL REVISED 7/14/08

## North County Corridor Joint Powers Authority



Task	Description	Project Manager	City of San Diego	County of San Diego	San Diego County Office of Environmental Services	Other Agencies	Subcontractors	Task	City of San Diego	County of San Diego	San Diego County Office of Environmental Services	Other Agencies	Subcontractors
4A	Provide Existing PA/ED Development							4A					
4A.1	U.S. Army Corps Of Engineers Permit (104)							4A.1					
4A.2	U.S. Forest Service Permit(s)							4A.2					
4A.3	U.S. Coast Guard Permit							4A.3					
4A.4	Department Of Fish & Game (1000 Agreements)							4A.4					
4A.5	Coastal Zone Development Permit							4A.5					
4A.6	Local Agency Concurrence Permit							4A.6					
4A.7	Waste Discharge (RPO/S) Permit							4A.7					
4A.8	U.S. Fish And Wildlife Service Approval							4A.8					
4A.9	Regional Water Quality Control Board 401 Permit							4A.9					
4A.10	Updated Environmental Commitments Record							4A.10					
4A.11	NEPA Delegation (TIER I ONLY)							4A.11					
4A.12	Other Permits							4A.12					
4A.13	Prepare Environmental Studies And Prepare Draft Environmental Document - TIER I Services							4A.13					
4A.14	Environmental Scoping Of Alternatives Identified For Review In EIR							4A.14					
4A.15	Project Information Review							4A.15					
4A.16	Public And Agency Scoping Process							4A.16					
4A.17	Alternatives For Further Study							4A.17					
4A.18	Prepare Environmental Studies							4A.18					
4A.19	Community Impact Analysis, Land Use, And Growth Studies							4A.19					
4A.20	Visual Impact Assessment And Scenic Resource Evaluation							4A.20					
4A.21	Noise Study							4A.21					
4A.22	Air Quality Study							4A.22					
4A.23	Water Quality Studies							4A.23					
4A.24	Energy Studies							4A.24					
4A.25	Summary Of Geotechnical Report							4A.25					
4A.26	Marine Based Preliminary Site Investigations							4A.26					
4A.27	Draft Right Of Way Relocation Impact Document							4A.27					
4A.28	Location Hydraulic And Floodplain Study Report							4A.28					
4A.29	Palaeontology Study							4A.29					
4A.30	Wet And Scenic Rivers Coordination							4A.30					
4A.31	Environmental Commitments Record							4A.31					
4A.32	Other Environmental Studies							4A.32					
4A.33	Biological Assessment							4A.33					
4A.34	Wetlands Study							4A.34					
4A.35	Resource Agency Permit Related Coordination							4A.35					
4A.36	Natural Environment Study Report							4A.36					

# NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT

North County Corridor Joint Powers Authority

FEE PROPOSAL REVISED 7/14/08



Task	Description	Project Manager	Cap. Participating Lead	Project Engineer	Project Engineer I	Project Engineer II	QA/QC Designer	Project Admin	QA/QC IS	Environmental Lead	IS Planner	Environmental Planning	Environmental Planning	Project Customer Admin	Total by Task
6A.14	Cultural Resource Studies														
	Archaeological Survey														
	Area Of Potential Effects/Study Area Maps														
	Native American Consultation														
	Records And Literature Search														
	Field Survey														
	Archaeological Survey Report														
	Other Archaeological Survey Products														
	Extended Phase I Archaeological Studies														
	Native American Consultation														
	Extended Phase I Proposal														
	Extended Phase I Field Investigation														
	Extended Phase I Materials Analysis														
	Extended Phase I Report														
	Phase II Archaeological Studies														
	Native American Consultation														
	Phase II Proposal														
	Phase II Field Investigation														
	Phase II Materials Analysis														
	Phase II Report														
	Historical And Architectural Resource Studies														
	Potential Area Of Potential Effects/Study Area Maps For Architecture														
	Historic Resource Evaluation Report - Archaeology														
	Historic Resource Evaluation Report - Architecture (HREAR)														
	Bridge Evaluation														
	Cultural Resource Compliance Consultation Documents														
	Final Area Of Potential Effects/Study Area Maps														
	PHC 9024.5 Consultation														
	Historic Property Survey Report/Historic Resources Compliance Report														
	Finding Of Effect														
	Archaeological Data Recovery Plan/Treatment Plan														
	Memorandum Of Agreement														
6A	Small Environmental Document														
6A.1	Draft Environmental Document Analysis														
6A.2	Section 4(f) Evaluation														
6A.3	Categorical Exemption/Categorical Exclusion Determination														
6A.4	Environmental Quality Control And Other Reviews														
6A.5	Approval To Circulate Resolution														
6A.6	Environmental Coordination														
6A.7	NEPA Delegation														
6A.8	Required Permits During PMED Development														
	Permitting During PMED Development														
	U.S. Army Corps Of Engineers Permit (404)														
	U.S. Forest Service Permit(s)														
	U.S. Coast Guard Permit														
	Department Of Fish & Game 1600 Agreement(s)														
	Coastal Zone Development Permit														
	Local Agency Concurrence Permit														
	Waste Discharge (NPDES) Permit														
	U.S. Fish And Wildlife Service Approval														
	Regional Water Quality Control Board 401 Permit														
6A.9	Updated Environmental Commitments Record														
6A.10	NEPA Delegation														
6A.11	Other Permits														

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Labor Cost Estimate



**NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT**

## FEE PROPOSAL REVISED 7/14/08

North County Corridor Joint Powers Authority

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## FEE PROPOSAL REVISED 7/14/08

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**NORTH COUNTY CORRIDOR - PROJECT APPROVAL & ENVIRONMENTAL DOCUMENT**

# North County Corridor Joint Powers Authority

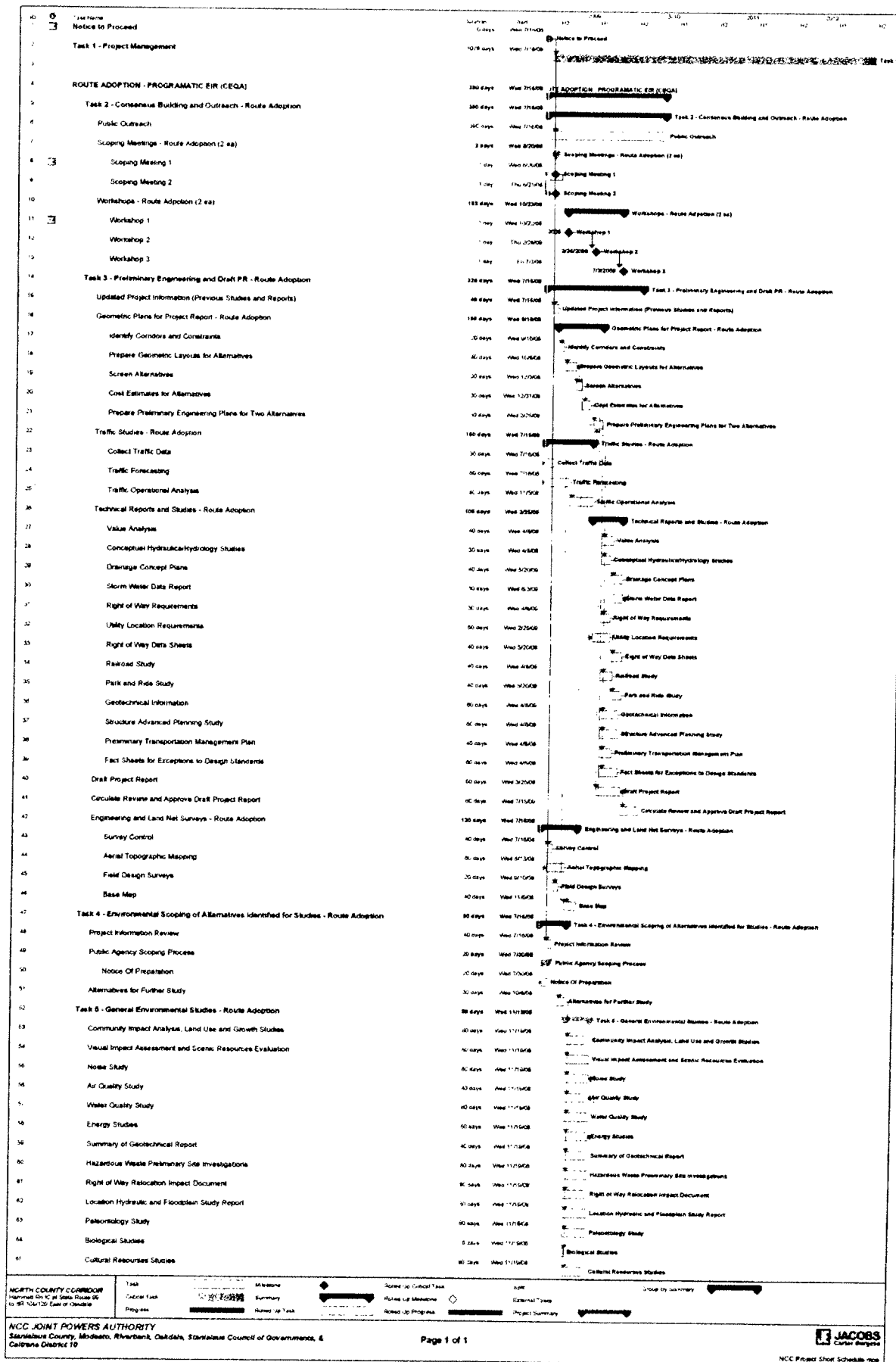
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NCC Fee-Route Adoption\_TIER1Final.xls  
Labor Cost Estimate

## **EXHIBIT D**

### **PROJECT SCHEDULE**

# **EXHIBIT D**



**EXHIBIT E**  
**SCOPE OF WORK FOR TASK ORDERS**

# **EXHIBIT E**



### **Scope of Services for Future Task Order(s)**

As identified in our original proposal, the project involves delivering a CEQA EIR to enable the CTC Route Adoption and completing a programmatic EIR/EIS for the entire corridor along with a project specific EIR/EIS for one buildable phase of the project. The general scope of work activities involve all tasks identified in our original proposal less the tasks completed in Task Order #1. As the work proceeds under Task Order #1, several scoping meetings will be held among the JPA Staff and the Stakeholder agencies to refine the ultimate scope and cost of services for Task Order #2.

The JPA's overall success of this project (not just the PA&ED) hinges on securing the ITIP funding specified in the referenced Caltrans letter. In addition to the benefit of receiving \$91M (that was once part of the now defunct Oakdale Bypass project), securing ITIP eligibility opens a new funding source to this project that currently doesn't exist.

The NCC roadway has to be a state highway and satisfy requirements of sections 30 & 34 of the STIP Guidelines to be eligible for ITIP funding. Approval of the California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) and the route adoption by the California Transportation Commission (CTC) are critical path items to secure the funding. Inserting the 2010 STIP funding deadline into the PA&ED process requires a creative environmental approach. After exploring many feasible approaches the Consultant team concluded that a "step-wise" approach is best suited not only to meet the 2010 STIP milestones, but also to obtain the National Environmental Policy Act (NEPA) approvals to enable the JPA to accelerate construction milestone for the first phase of the project.

The approach to expeditiously reach the construction milestone involves a "Hybrid Approach". Immediately following completion of the initial single-issues CEQA EIR for route adoption, the consultant team would begin preparation of a hybrid EIS/EIR. The hybrid EIS/EIR consists of a combined program/project-level EIR to meet CEQA, with a combined Tier 1 EIS/project level EIS to meet NEPA compliance requirements. With the CEQA Certification and NEPA Record of Decision of the hybrid document, the JPA will be able to preserve the project corridor and expedite the final design and construction of the first phase of the project that meets the logical termini tests. While design is proceeding on the first phase, project level CEQA/NEPA approvals can be undertaken for the next suitable phase for which the JPA anticipates construction funding. This approach is currently being used on similar transportation projects.

Although the recommended approach requires an iterative CEQA/NEPA process, it ensures that the CTC route adoption action will have the necessary completed CEQA document to enable the CTC to act. This approach was discussed with the Caltrans environmental staff and they concurred. The CEQA/EIR work to complete the route adoption is not eligible for federal funding, and therefore the JPA must seek "State Only" funding authorization from the CTC for a portion of the \$6.2 million programmed in the STIP or use other non-federal funding sources.

### **Schedule for Future Task Order(s)**

The input for detailed schedule for Future Task Order(s) will be provided by the various work activities in Task Order #1. In approximately 60 to 90 days, a detailed schedule will be developed. In general, the schedule consists of completing a Programmatic CEQA EIR by January 2010 to enable the CTC Route Adoption and making the project eligible for the ITIP funds. Subsequently, a programmatic EIR/EIS for the entire corridor along with a project specific EIR/EIS for a buildable segment is anticipated to be completed by June 2012.

### **Cost estimate for Future Task Order(s)**

The input for detailed cost estimate for Future Task Order(s) will be provided by the various work activities in Task Order #1. In approximately 60 to 90 days, a detailed cost estimate will be developed. However, a cost estimate in response to the RFP is attached as a basis for future negotiated fee.

**ASSUMPTIONS  
TASK ORDER #1  
AND RESPONSE  
TO RFP:**

- Secure funding for the 2010 STIP within the 18 month time frame using a multiple Environmental document approach.
- Route Adoption CEQA Program EIR for re-designating SR for ITIP Funds and an EIR/EIS for clearing the corridor for a first phase for construction.
- CEQA Document for Route Adoption is a screening level document based upon aerial mapping and data base searches.
- Two project reports will be required. The PR for the Route Adoption is planned to be minimal using the same level of information from the previous studies.
- The PR for the EIR/EIS document will be an in-depth PR with alternatives focused on the identified corridor from the CEQA document. Route Adoption - 4 alternates will be identified and screened to two alternatives.
- The preferred alternative will set a wide corridor for further study in the EIR/EIS.
- Route Adoption - technical studies and design exceptions (except for traffic) are deferred to the EIR/EIS document.
- Project Management-meetings will extend monthly, assumed at 3 months total.
- Route Adoption outreach - 1 scoping meeting in two locations, and 15 - 1 on 1 stakeholder meetings will be held.
- Public outreach - 1 newsletter and fact sheets/updates will be developed.
- The traffic study for the route adoption will be limited to updating the Feasibility and PDR with the new forecasting, adding interchange and intersections on alternatives and the MOE's for the project. All other traffic studies will be deferred to the EIR/EIS document.
- Traffic forecasting will be prepared with the route adoption for use through both documents.
- Value Analysis will be performed only for the EIR/EIS document
- Structural investigations, (CT Advanced Planning Studies) will be performed during the EIR/EIS only.
- The Geotechnical investigations will be prepared for the EIR/EIS document only.
- The Geotechnical Materials report will be obtained from existing information.

## **Scope of Services Task Order #1**

The following document describes the scope of work for a 90-day duration contract to initiate efforts toward the completion of the Project Report and Environmental Document for the North County Corridor Project, with the primary focus on obtaining Route Adoption approval by January 2010.

### **1.0 Project Management (WBS 100.10)**

Provide overall project management, coordination, and supervision of project staff to facilitate the performance of the work in accordance with the scope and requirements of NCC JPA. Basis of Estimate:

- Project Management Plan (PMP) includes task order scope, schedule, quality assurance plan, communications protocol, invoicing procedures, and progress reporting procedures
- Meeting summaries will prepare a Risk Management Plan that indicate issues discussed, resolutions identified, further actions needed, and an updated Action Item Log
- Project Manager will identify and report any cause or condition which might, under reasonable foreseeable circumstances, result in delay that may require a time extension or additional work scope
- ICF J&S project director will attend or participate in up to eight (8) project meetings/conference calls during the first 90 days of the project effort. Three (3) of the eight meetings will occur in Stanislaus County

### **1.1 Initiation and Planning (WBS 100.10.05)**

Conduct kick-off meeting with NCC JPA and project team. Submit Draft and Final PMP reflecting work in this Task Order. Reach consensus with Caltrans on the appropriate Caltrans authorizing document and environmental clearance strategy for Route Adoption and for subsequent phases. Provide review and comments to JPA for Caltrans provided Cooperative Agreement. Prepare Project Charter between Caltrans and the JPA.

**Deliverables:**

- Project Management Plan**
- Kick-off, CT strategy meeting summaries**
- Charter**
- Risk Management Plan**
- Review comments to JPA for Cooperative Agreement**

### **1.2. Execution and Control**

#### **(WBS 100.10.10 and 100.10.15)**

Submit one schedule update, to reflect changes in project process and schedule of activities  
Prepare and submit up to 3 monthly invoices and progress reports  
Manage scope, schedule and budget  
Maintain project files in Prime Consultant's office

**Deliverables:**

- Project schedule update**
- Project invoices and progress reports**

### **1.3. Coordination and Meetings (WBS 100.10.10 and 100.10.15)**

Organize, conduct, and document a total of 3 monthly Project Development Team (PDT) Meetings. Progress meetings include Consultant Team Leaders and JPA participations and will include discussion of work progress, plans for the next period, potential problems, and other project issues

**Deliverables:** Agendas and meeting summaries for Progress, Project Coordination, Team Coordination, and PIP meetings

### **1.4. Quality Control Program**

#### **(WBS 100.10.10 and 100.10.15)**

Prepare and maintain a Quality Assurance/Quality Control (QA/QC) plan and ensure that the reports, plans, studies, estimates, and other documents submitted are complete, accurate, checked and proofread.

Perform independent third party quality control reviews in accordance with the approved QA/QC Program for the reports, plans, studies, estimates, and other documents submitted and at major milestone deliverable documents

**Deliverables:** Quality Assurance/Quality Control Plan and on deliverable products.

## **2.0. Consensus Building and Outreach (WBS 100.10.99)**

The Public Outreach Consultant Team will prepare a detailed communications plan with timelines and responsibilities to guide the public outreach activities through the course of the project. The plan will be reviewed and progress reports made at monthly project development team meetings. Adjustments will be made in the plan as issues and events warrant and opportunities are presented.

The Public Outreach Consultant team will identify up to 30 people to be interviewed one-on-one for their opinions on the project, issues surrounding the project, and other pertinent information. These opinion leaders may include elected and/or appointed officials, leaders of civic and community groups, executives with a particular interest in transit and other influential individuals. Each visit will be documented and each person invited to remain involved as the project progresses.

## 2.1. Project Development Workshops

Plan and organize one project workshop at two locations as part of the route adoption environmental process. Workshop summaries will include an overview of the workshop, documentation of issues/comments, and a list of any action items/next steps

- Includes development of and printing of meeting materials
- Includes development of and printing/distribution of notification materials and display advertisement placements
- Use of a court reporter at workshops is not included
- Research and identify appropriate locations to host the workshops for approximately 150 to 200 attendees
- Prepare and distribute notification materials to the community and key stakeholders
- Develop and finalize information hand outs and presentation materials for each workshop
- Organize, conduct, facilitate, and document workshops and meeting proceedings including comments from participants

### **Deliverables:**

**Communication Plan**

**Notification materials (workshop announcements, display ads, press releases, elected officials letters, web site announcements)**

**Meeting agendas / PowerPoint presentations / project informational materials / exhibit boards**

**Workshop and meeting summaries**

## 2.2. Agency Coordination

- Establish agency coordination plan. Identify and maintain agency representative and key stakeholder list for ongoing coordination and discussion of issues. The proposed agency and key stakeholder list from the PSR project will be used
- Organize, conduct, and document up to nine PIP Team briefings up to five additional agency meetings

### **Deliverables:**

**Agency and key stakeholder contact list coded for interest and activity**

**Information and presentation materials for agency meetings**

**Checklist for scoping meeting**

**Meeting agendas and summaries with action item lists**

## 2.3. Database Development and Comment Tracking

- Supplement contact information utilizing Parcel Quest to identify adjacent property owners and neighbors
- Conduct research to identify additional stakeholders and interested parties
- Develop protocol for tracking comments received
- Provide up to four Comment Tracking Reports outlining categories of issues and disposition
- Maintain project e-mail and phone Hot-line

### **Deliverables:**

**Outline of database information for review by team and NCC JPA**

**Contract database list coded for interest and activity with contact information and issues/comments noted**

**Comment Tracking Reports**

## 2.4. Combined Newsletter/Facts Sheets

- Develop outlines and appropriate topics for newsletter/fact sheet
- Publish materials at the JPA's direction for publications
- Combined Newsletters/Fact Sheets will be made available at workshops and distributed to people in the project mailing list. Mailing costs included

**Deliverables: Newsletters/ Fact Sheets**

## **2.5. Website Coordination**

- The web site will link between the information we are gathering and the main NCC JPA/JPA website. The web site will be updated to reflect the most accurate information. Bilingual conversion may be made available
- Prepare a project-specific web site to link to Stanislaus Council of Governments web site to post project materials and notifications
- Prepare text to keep project site up-to-date on monthly basis
- Coordinate with NCC JPA website upon approval

**Deliverables:** Project web site with updates and log of items posted.

## **2.6. Media Coordination**

Coordinate with NCC JPA staff to identify appropriate contacts for newspapers, radio stations, and television stations. Establish and maintain media contact list contacts to publish project information and announcements.

- Produce and distribute press kits including press releases and project information as appropriate
- Track articles on project and maintain media coverage file on project

**Deliverables:** Newspaper articles and media releases and display advertisements

## **3.0. Perform Preliminary Engineering Studies and Draft Project Report (WBS 160)**

### **Basis of Estimate**

Caltrans Project Report format will be used

Traffic analysis done as part of the Feasibility Study and PSR will be further developed to address Caltrans requirements

### **Scope of Services**

- Update Project Information – Data Collection and Field Reviews
- Initiate Geometric Approval Drawings for preferred alternative
- Initiate Preliminary Right of Way Requirements
- Initiate Traffic Forecasts/Modeling, Traffic Operational Analysis and Traffic Study
- Initiate Right of Way Data Sheet
- Initiate Project Cost Estimates
- Initiate Draft Project Report

### **3.1. Updated Project Information for Preferred Alternatives (WBS 160.05)**

The team will collect and review existing data from the field and sources including Caltrans, NCC JPA, Cities of Oakdale, Riverbank, and Modesto, Stanislaus County, and other outside agencies. Coordinate with local planning documents. Determine the appropriate Traffic Analysis model through StanCOG and local models.

### **3.2. Collect Traffic Data (WBS 160.05.20)**

- Initiate collection of necessary 24-hour traffic and vehicle classification counts at roadway locations
- Perform peak period field surveys to identify existing geometric features, lane configurations, and traffic control devices at study roadways identified by the Project Team.
- Obtain all available traffic data and counts from local agencies to supplement the counting program. Duplication should be avoided if the data from the cities are current.

### **3.3. Traffic Forecasting (WBS 160.10.10)**

- Use the current version of the StanCOG RTP Model to determine opening year and design year average daily traffic (ADT) volumes at existing/new roadway locations
- Initiate a focused model validation exercise in the study area, followed by the use of the model to predict changes in travel patterns in the opening and design year time period. Results to be reviewed with StanCOG and Caltrans

and a revised model will be produced as necessary to meet all of the targets with Caltrans and then request approval to proceed with forecasting

- Opening year and design year daily traffic forecasts will be developed for up to five alternatives including “No Project” conditions
- Submit a technical memorandum summarizing the traffic forecasts for review and approval by the Project Development Team (PDT). Once approved, we will proceed with the technical evaluation of the alternatives

**Deliverables:** Technical memorandum on Traffic Model approach. Other elements will not be completed in this Task Order Contract.

### **3.4. Geometric Plans for Project Report (WBS 160.10.15)**

Scope and deliverables to be further refined in next phase contract.

### **3.5. Construction Phasing Concept Plans (WBS 160.10.16)**

Scope and deliverables to be further refined in next phase contract.

### **3.6. Value Analysis (VA) (WBS 160.10.20)**

Scope and deliverables to be further refined in next phase contract.

### **3.7. Conceptual Hydraulics/Hydrology Studies (WBS 160.10.25)**

Scope and deliverables to be further refined in next phase contract.

### **3.8. Drainage Concept Plans (WBS 160.10.26)**

Scope and deliverables to be further refined in next phase contract.

### **3.9. Storm Water Data Report (WBS 160.10.27)**

Scope and deliverables to be further refined in next phase contract.

### **3.10. Traffic Operational Analysis (WBS 160.10.35)**

Work shall be initiated in support of the following:

- The current StanCOG RTP Model will be used to project changes in ADT on project area roadways as a result of the Project under opening year and design year
- The regional implications of the corridor will be evaluated by examining additional measures of effectiveness (MOEs) such as vehicle miles of travel (VMT), vehicle hours of travel (VHT), and vehicle hours of delay (VHD) with and without the project
- A technical memorandum summarizing the existing traffic conditions will be submitted for review and comment by the PDT

**Deliverables:** Existing Traffic Conditions Technical Memorandum will not be completed in this Task Order Contract.

### **3.11. Right-of-Way Data Sheet (WBS 160.10.40)**

Initiate Right-of-Way Data Sheet(s) in accordance with the Caltrans Right-of-Way Manual for the preferred alternative  
**Deliverables:** Right-of-Way Data Sheet(s)

### **3.12. Determine Right-of-Way Requirements (WBS 160.10.41)**

Scope and deliverables to be further refined in next phase contract.

### **3.13. Utility Location Requirements (WBS 160.10.45)**

Scope and deliverables to be further refined in next phase contract.

### **3.14. Railroad Study (WBS 160.10.50)**

Scope and deliverables to be further refined in next phase contract.

### **3.15. Park and Ride Study (WBS 160.10.60)**

Scope and deliverables to be further refined in next phase contract.

### **3.16. Traffic Studies (WBS 160.10.70)**

Initiate Traffic Operations Report summarizing the results and findings.  
Initiate Administrative Draft Traffic Operations Report to NCC JPA for one round of review and written comments  
Prepare draft "Transportation" chapter of the Environmental Document.  
Prepare draft traffic chapter of the Project Report that will address the proposed project in accordance with Caltrans guidelines and requirements.

**Deliverables:**

**Traffic Operations Report, Text for the Traffic Section of the Environmental Document, and Text for the Traffic Section of the Project Report will not be completed in this Task Order Contract.**

### **3.17. Geotechnical Information (WBS 160.10.80 and 160.10.85.05)**

Scope and deliverables to be further refined in next phase contract.

### **3.18. Structure Advance Planning Study (APS) (WBS 160.10.85)**

Scope and deliverables to be further refined in next phase contract.

### **3.19. Preliminary Transportation Management Plan (WBS 160.10.95)**

Scope and deliverables to be further refined in next phase contract.

### **3.20. Cost Estimates for Alternatives (WBS 160.15.05)**

Scope and deliverables to be further refined in next phase contract.

### **3.21. Fact Sheet for Exceptions to Design Standards (WBS 160.15.10)**

Scope and deliverables to be further refined in next phase contract.

### **3.22. Draft Project Report (WBS 160.15.20)**

Scope and deliverables to be further refined in next phase contract.

### **3.23. Circulate, Review and Approve Draft Project Report (WBS 160.15.25)**

Scope and deliverables to be further refined in next phase contract.

### **3.24 Engineering and Land Net Surveying (WBS 160.20 through 160.20.70)**

Provide mapping required for NCC JPA in cooperation with Caltrans for the proposed improvements from State Highway 99 to State Highway 108/120 for approximately 26 miles in length. We will perform project control surveys, mapping and initial land net mapping consistent with Project Report and Environmental Document requirements

#### **3.24.1. Existing Records**

Perform research to obtain horizontal and vertical control information from Caltrans and other cities or agencies as necessary. GIS information will be obtained from Stanislaus County depicting the property lines, assessor's numbers, street names and other pertinent information contained in the data base

#### **3.24.2. Survey Control**

Establish a primary project control network to Caltrans standards for "project control surveys" and comply with National Map Accuracy Standards. Surveys tying in as many section corners as necessary to correlate the GIS data provided by Stanislaus County. Landowners will be contacted to inform them that our survey crews will need access to their property. The JPA will assist in obtaining any needed rights of entry

#### **3.24.3. Aerial Topographical Mapping**

Prepare new aerial mapping for the proposed project. The flight pattern provides enough photography for any corridor to have sufficient stereographic photo coverage for potential mapping. Digital mapping will be compiled to produce 1-foot contours and planimetry for 26 miles of corridor mapping at a width of 1000-foot with wider mapping to 3000-foot wide at selected portions of the corridor. The photography will be color and that it will be at the 0.5-foot per pixel level. It is understood that detailed topographic survey development of the mapping will be on one corridor, not two eastern alignments.

**Deliverables:** Topographical mapping and color aerial photographs. Setting targets and flying the corridor for TO #1. In addition, a portion of the mapping work will commence in TO#1 and will be monitored based on percent complete billed on a monthly basis.

#### **3.24.3 Field Design Surveys**

Consultant has budgeted ten two-man survey crew days along with additional office hours to obtain survey data that is relevant to the preliminary design effort associated with the Project Report phase

#### **3.24.4 Base Map**

Aerial mapping, field design surveys, and GIS parcel information will be combined to produce a project base map. Spot elevations will be shown and contours will be generated. The base map will show assessors parcel lines, section corner monuments, right-of-way lines, roadways, drainage facilities, railroad tracks and facilities, levees, structures, fences,



driveways, poles, streetlights, trees, vegetation limits and assessor's parcel numbers. A field review of the topographic survey will be performed to ensure adequate topographic features.

**Deliverables: Project Base Mapping. Note: Route Adoption Study would use generally available aerial photos and GIS data**

### **3.25. Surveys and Mapping for Environmental Studies (WBS 160.30.10)**

Perform field surveys and use site and aerial photographs to augment existing base mapping and determine environmental resources. It is assumed currently available photos and GIS data will be used with spot field checks as needed for the Route Adoption

**Deliverable: Aerial and site mapping for environmental studies**

### **3.26. Property Access Rights For Environmental/Engineering Studies (WBS 160.30.15)**

Scope and deliverables to be further refined in next phase contract.

### **3.27. NEPA Delegation (WBS 160.40)**

Scope and deliverables to be further refined in next phase contract.

## **4.0. Perform Environmental Studies and Prepare Draft Document (WBS 165)**

The purpose of this set of tasks is to initiate environmental technical studies at equal level of detail for each of the alternatives to be evaluated in the draft environmental document (DED), prepare the administrative DED and obtain approval to circulate the same DED. This task assumes that up to four build alternatives and a "No-Build Alternative" will be evaluated in the DED. A complete listing of subtasks is provided in the table which follows. Key tasks are described in the following scope of services

### **4.1. Project Information Review (WBS 165.05.05)**

Review all pertinent information to the environmental process in preparation for the CEQA Scoping process. As part of this initial review, prepare the CEQA EIR for Route Adoption action by the California Transportation Commission (CTC). This scope includes preparing screening level environmental technical studies consistent with the Caltrans Standard Environmental Reference for CEQA program EIRs. The Route Adoption EIR will consist of the following key tasks:

- Prepare CEQA NOP and initial study (IS) including initial project description and conduct Scoping.
- Refine scopes and methodologies for the environmental technical studies using the Decision-based Alternative Evaluation Process used by Caltrans. Limited field review will be conducted.
- The remaining tasks in this scope of services (beyond 90-days) focus on preparation of the EIR/EIS to more precisely define the Connector corridor, select a preferred alternative, and disclose construction-level impacts and mitigation measures for the initial construction phase.

### **4.2. Public and Agency Scoping Process (WBS 165.05.10)**

#### **Initial Study/Notice of Preparation**

Jacobs will provide to ICF J&S the complete unedited IS/NOP formatted in its final layout in MS Word. ICF J&S technical editors will edit the IS/NOP, provide the edited draft to Jacobs to review and respond to editors comments, then edit the changes and submit the final version electronically for Jacobs to reproduce and distribute. The IS/NOP is assumed to be up to 75 pages long. Jacobs will provide adequate notice of the schedule of the editing effort to ensure ICF J&S resources are available at the needed time.

**Deliverables:**

- Electronic copy of edited IS/NOP with editors comments/queries

- Electronic copy of final edited IS/NOP

### **Public Scoping Meetings**

ICF J&S project director will attend up to two (2) scoping meetings in Stanislaus County and will be available to make presentations and/or to answer questions. Scoping meeting materials will be prepared by Jacobs.

Plan and conduct a CEQA Scoping process. Included in this task is preparing required notices and filings. Key tasks include:

- Prepare CEQA Notice of Preparation (NOP) including an attached CEQA initial study (IS) documented to anticipate impacts of the proposed project
- Prepare public notice advertisements (ads) for publication in newspapers of general circulation.
- Compile distribution lists for NOP and general public notices
- Prepare displays and presentation materials for Scoping meetings and conduct meeting preparation sessions with the project team and PDT.
- Participate in up to two Scoping meetings.
- Prepare a draft, revised draft and final Scoping Summary Report

#### **Deliverables:**

CEQA Initial Study  
Public advertisements and notices  
Scoping meeting materials and displays  
Scoping meetings  
Scoping Meeting Summary Report

**The following tasks will not be initiated in the 90-day Task Order Contract and the scope and deliverables to be further refined in next phase contract.**

#### **4.3. Alternatives for Further Study (WBS 165.05.15)**

#### **5.0. General Environmental Studies (WBS 165.10 through 165.25)**

##### **5.1. Community Impact Analysis, Land Use, and Growth Studies (WBS 165.10.15)**

##### **5.2. Visual Impact Assessment and Scenic Resources Evaluation (WBS 165.10.20)**

##### **5.3. Noise Study (WBS 165.10.25)**

##### **5.4. Air Quality Study (WBS 165.10.30)**

##### **5.5. Water Quality Studies (WBS 165.10.35)**

##### **5.6. Energy Studies (WBS 165.10.40)**

##### **5.7. Summary of Geotechnical Report (WBS 165.10.45)**

- 5.8. Hazardous Waste Preliminary Site Investigations (WBS 165.10.50)
- 5.9. Draft Right-of-Way Relocation Impact Document (WBS 165.10.55)
- 5.10. Location Hydraulic and Floodplain Study Report (WBS 165.10.60)
- 5.11. Paleontology Study (WBS 165.10.65)
- 5.12. Wild / Scenic Rivers Coordination (WBS 165.10.70)
- 5.13. Biological Studies (WBS 165.15)
- 5.14. Cultural Resource Studies (WBS 165.20)
- 6.0. Draft Environmental Document (WBS 165.25)
- 6.1. Draft Environmental Document Analysis (WBS 165.25.05)
- 6.2. Section 4(f) Evaluation (WBS 165.25.10)
- 6.4. Environmental Quality Control and Other Reviews (WBS 165.25.20)
- 6.7. NEPA Delegation Pilot Program (WBS 165.30)
- 6.8. Required Permits During PA&ED Development (Includes WBS 165.45 through 165.50.50)
- 6.9. Updated Environmental Commitments Record (WBS 165.50.50)
- 6.10. NEPA Delegation (WBS 165.50.55)
- 7.0. Circulate Draft Environmental Document and Select Preferred Project Alternative (WBS 175.05 through 175.05.20)
- 7.1. DED Circulation (WBS 175.05)
  - 7.1.1 Master Distribution and Invitation Lists (WBS 175.05.05)
  - 7.1.2 Notices Regarding Public Hearing and Availability of Draft Environmental Document (WBS 175.05.10)
  - 7.1.3 DED Publication and Circulation (WBS 175.05.15)

**7.2. Public Hearing (WBS 175.10.05 through 175.10.40)**

**7.3. Project Preferred Alternative (WBS 175.20)**

**7.4. NEPA Auditing (WBS 175.25)**

**8.0. Prepare and Approve Project Report and Final Environmental Document**

**8.1. Updated Draft Project Report(WBS 180.05.05)**

**8.2. Approved Project Report (WBS 180.05.10)**

**8.3. Updated Storm Water Data Report (WBS 180.05.15)**

**8.4. Geometric Approval Drawings (GAD) for Selected Alternative (WBS 180.05.20)**

**8.5. Approved Final Environmental Document (WBS 180.10.05)**

**8.6. Public Distribution of FED and Respond to Comments (WBS 180.10.10)**

**8.7. Final Right-of-Way Relocation Impact Document (WBS 180.10.15)**

**8.8. Completed Environmental Document (WBS 180.15)**

**8.8.1 Record of Decision (NEPA) (WBS 180.15.05)**

**8.8.2 Notice of Determination (CEQA) (WBS 180.15.10)**

**8.9. NEPA Delegation (WBS 180.20 )**