



RESOLUTION No. 15-047

OF THE BOARD OF SUPERVISORS OF THE COUNTY OF NEVADA

**APPROVAL OF A CONTRACT WITH QUINCY ENGINEERING, INC.
FOR PROFESSIONAL ENGINEERING SERVICES FOR THE COMBIE
ROAD CORRIDOR IMPROVEMENT PROJECT**

WHEREAS, Combie Road is one of the most heavily travelled corridors in the County;
and

WHEREAS, corridor collision rates are higher than the County average; and

WHEREAS, the corridor is expected to operate at a Level-of-Service (LOS) F rating by
the year 2030; and

WHEREAS, plans to widen Combie Road to five lanes (including a two-way left turn
lane), construct a traffic signal at the Combie Road / Higgins Road intersection, and provide
other bicycle and pedestrian improvements are expected to result in a LOS D rating or better in
the year 2030 and improve safety on the corridor; and

WHEREAS, On October 14, 2014 the Board adopted Resolution 14-472, approving a
Request for Qualifications (RFQ) for project Plans, Specifications and Estimates; and

WHEREAS, On November 6, 2014, six (6) Statements of Qualifications (SOQs) were
received, and an in-house selection panel ranked Quincy Engineering, Inc. as the top ranked
firm; and

WHEREAS, there is sufficient budget available to fund this contract in budget code
1114-30154-702-1000/540711.

NOW, THEREFORE, BE IT HEREBY RESOLVED that the Nevada County Board of
Supervisors:

1. Awards the Contract to Quincy Engineering, Inc. in an amount not to exceed
\$579,490 for professional engineering services for the Combie Road Corridor
Improvement Project. The contract term shall be from January 20, 2015, to December
31, 2018.
2. Authorizes the Chair of the Board of Supervisors to execute on behalf of the County
of Nevada the agreement between Nevada County and Quincy Engineering, Inc. upon
receipt of Certificates of Insurance by the Director of the Department of Public Works
and approval and acceptance of the Certificates of Insurance by the Risk Manager.

PASSED AND ADOPTED by the Board of Supervisors of the County of Nevada at a special meeting of said Board, held on the 20th day of January, 2015, by the following vote of said Board:

Ayes: Supervisors Nathan H. Beason, Edward Scofield, Dan Miller, Hank Weston and Richard Anderson.

Noes: None.

Absent: None.

Abstain: None.

ATTEST:

DONNA LANDI
Clerk of the Board of Supervisors

By: Janet D. Grotzinger, Deputy

Edward C. Scofield
Edward C. Scofield, Chair

1/20/15 cc: DPW*
AC*(hold)

1/22/2015 cc: DPW*
QE, Inc.
AC*(release)

ATTACHMENT A: PERSONAL SERVICES CONTRACT

PERSONAL SERVICES CONTRACT

County of Nevada, California

This Personal Services Contract is made between the COUNTY OF NEVADA (herein "County"), and

Quincy Engineering, Inc.

(herein "Contractor"), wherein County desires to retain a person or entity to provide the following services, materials and products generally described as follows:

(§1) **Professional Engineering Services for the Combie Road Corridor Improvement Project**

SUMMARY OF MATERIAL TERMS

(§2) **Maximum Contract Price:** \$579,490
 (§3) **Contract Beginning Date:** 1/20/2015 **Contract Termination Date:** 12/31/2018
 (§4) **Liquidated Damages:** n/a

INSURANCE POLICIES

| Designate all required policies: | | Req'd | Not Req'd |
|----------------------------------|--|-------------|-------------|
| (§6) | Commercial General Liability (\$1,000,000) | <u>X</u> | <u> </u> |
| (§7) | Automobile Liability (\$ 300,000) Personal Auto | <u> </u> | <u>X</u> |
| | (\$1,000,000) Business Rated | <u>X</u> | <u> </u> |
| | (\$1,000,000) Commercial Policy | <u> </u> | <u>X</u> |
| (§8) | Worker's Compensation | <u>X</u> | <u> </u> |
| (§9) | Errors and Omissions (\$1,000,000) | <u>X</u> | <u> </u> |

LICENSES

Designate all required licenses:

(§14) _____

NOTICE & IDENTIFICATION

| | |
|---|--|
| (§26) Contractor: Quincy Engineering, Inc 11017 Cobblerock Drive, Ste 100 Rancho Cordova, CA 95670 Contact Person: Jason Jurrens (916) 368-9181 e-mail: Jasonj@quincyeng.com | County of Nevada: 950 Maidu Avenue Nevada City, California 95959 Contact Person: Joshua Pack (530) 265-7059 e-mail: Joshua.pack@co.nevada.ca.us Org Code: |
|---|--|

Contractor is a: (check all that apply)

| | | | | |
|--------------|----------------------|--------------------|-------------------|------------------------|
| Corporation: | <u> x </u> Calif., | <u> </u> Other, | <u> </u> LLC, | <u> </u> Non-profit |
| Partnership: | <u> </u> Calif., | <u> </u> Other, | <u> </u> LLP, | <u> </u> Limited |
| Person: | <u> </u> Indiv., | <u> </u> Db, | <u> </u> Ass'n | <u> </u> Other |

EDD: Independent Contractor Worksheet Required: Yes x No
HIPAA: Schedule of Required Provisions (Exhibit D): Yes x No

ATTACHMENTS

| Designate all required attachments: | Req'd | Not Req'd |
|---|-------------|-------------|
| Exhibit A: Schedule of Services (Provided by Contractor) | <u>X</u> | <u> </u> |
| Exhibit B: Schedule of Charges and Payments (Paid by County) | <u>X</u> | <u> </u> |
| Exhibit C: Schedule of Changes (Additions, Deletions & Amendments) | <u> </u> | <u>X</u> |
| Exhibit D: Schedule of HIPAA Provisions (Protected Health Information) | <u> </u> | <u>X</u> |

Terms

Each term of this Contract below specifically incorporates the information set forth in the Summary at page one (1) above as to each respective section (§) therein, as the case may be.

Services

1. Scope of Services:

Contractor shall provide all of the services, materials and products (herein "Services") generally described in **Exhibit "A"**, according to a performance schedule, if applicable, as set forth in said exhibit (herein "Performance Schedule"). If requested, Contractor agrees to serve as an expert witness for County in any third party action or proceeding arising out of this Contract.

Payment

2. Charges and Payments:

The charges (herein "Charges") for furnishing the aforesaid Services under this Contract are set forth in **Exhibit "B"**, including, if applicable, hourly rates, unit pricing, and expense, mileage and cost limits. Said Charges shall be presented monthly by invoice, and shall be due within thirty (30) days of receipt unless payment is otherwise set forth in said **Exhibit "B"**, and shall remain in effect for the entire term of this Contract, and any extension hereof. In no event will the cost to County for Services to be provided under this Contract, including direct non-salary expenses, exceed the **Maximum Contract Price** set forth at §2, page one (1), above.

Time for Performance

3. Contract Term:

This Contract shall commence on the **Contract Beginning Date** set forth at §3, page one (1), above. All Services required to be provided by this Contract shall be completed and ready for acceptance no later than the **Contract Termination Date** set forth at §3, page one (1), above.

4. Liquidated Damages:

County and Contractor agree that damages to County due to delays in timely providing Services in accordance with the aforesaid Performance Schedule and Contract Termination Date are impractical and difficult to ascertain. Therefore, if §4 at page one (1) hereof shall indicate a daily amount as **Liquidated Damages**, County shall have the right to assess said daily sum, not as a penalty, but as and for damages to County due to delays in providing Services not in accordance with the said Performance Schedule, or later than the Contract Termination Date (herein "Delay"). Liquidated Damages shall be offset against amounts owing to Contractor, including retention sums.

To the extent that any Delay is a result of matters or circumstances wholly beyond the control of Contractor, County may excuse said Liquidated Damages; provided however, that County may condition such excuse upon Contractor having given prompt notice to County of such delay immediately by telephone and thereafter by written explanation within a reasonable time. The time for Contractor's performance shall be extended by the period of delay, or such other period as County may elect.

5. Time of the Essence:

Time is of the essence with respect to Contractor's performance under this Contract. Delay in meeting the time commitments contemplated herein will result in the assessment of liquidated damages, if indicated at §4 at page one (1), hereof. If Liquidated Damages are not so indicated, damages shall be as otherwise provided by law.

Insurance

6. Commercial General Liability Insurance: (County Resolution No. 90674)

If §6 at page one (1) hereof shall indicate a **Commercial General Liability** insurance policy is required, Contractor shall promptly provide proof of such insurance evidenced by a certificate of insurance with properly executed endorsements attached, which insurance shall include the following:

- (i) Broad form coverage for liability for death or bodily injury to a person or persons, and for property damage, combined single limit coverage, in the minimum amount indicated at said §6;

- (ii) An endorsement naming County as an additional insured under said policy, with respect to claims or suits arising from the Services provided or the relationships created under this Contract;
- (iii) A provision that said insurance shall be primary and other insurance maintained by the County of Nevada shall be excess only and not contributing with Contractor's insurance;
- (iv) A provision that said insurance shall provide for thirty (30) days written notice to County of any termination or change in coverage protection, or reduction in coverage limits (except ten (10) days notice for non-payment of premium).

7. Automobile Liability Insurance: (County Resolution No. 90676)

If §7 at page one (1) hereof shall require either a Business Rated or a Commercial Automobile Liability insurance policy, for each vehicle used including non-owned and hired automobiles, Contractor shall promptly provide proof of such insurance evidenced by a certificate of insurance with properly executed endorsements attached, which insurance shall include the following provisions:

- (i) Liability protection for death or bodily injury to a person or persons, property damage, and uninsured and underinsured coverage, combined single limit coverage, in the minimum amount indicated at said §7;
- (ii) An endorsement naming County as an additional insured under said policy, with respect to claims or suits arising from the Services provided or the relationships created under this Contract;
- (iii) A provision that said insurance shall be primary and other insurance maintained by the County of Nevada shall be excess only and not contributing with Contractor's insurance;
- (iv) A provision that said insurance shall provide for thirty (30) days written notice to County of any termination or change in coverage protection, or reduction in coverage limits (except ten (10) days notice for non-payment of premium).

If §7 at page one (1) hereof shall require a Personal Auto policy, for each vehicle used including non-owned and hired automobiles, Contractor shall promptly provide proof of such insurance for a minimum of three hundred thousand dollars, (\$300,000), in combined single limits, and naming the County as additionally insured.

8. Worker's Compensation: (County Resolution No. 90674)

If §8 at page one (1) hereof shall indicate a **Worker's Compensation** insurance policy is required, Contractor shall maintain said policy as required by law, and shall promptly provide proof of such insurance evidenced by a certificate of insurance, or other documentation acceptable to County.

Before commencing to utilize employees in providing Services under this Contract, Contractor warrants that it will comply with the provisions of the California Labor Code, requiring Contractor to be insured for worker's compensation liability or to undertake a program of self-insurance therefor.

9. Errors and Omissions:

If §9 at page one (1) hereof shall indicate **Errors and Omissions** insurance is required, Contractor shall maintain either a professional liability or errors & omissions policy in the minimum amount indicated, and shall promptly provide proof of such insurance evidenced by a certificate of insurance, or other documentation acceptable to County.

10. Miscellaneous Insurance Provisions: (County Resolution No. 90675)

All policies of insurance required by this Contract shall remain in full force and effect throughout the life of this Contract and shall be payable on a "per occurrence" basis unless County specifically consents to "claims made" coverage. If the County does consent to "claims made" coverage and if Contractor changes insurance carriers during the term of this Contract or any extensions hereof, then Contractor shall carry prior acts coverage.

Insurance afforded by the additional insured endorsement shall apply as primary insurance, and other insurance maintained by County, its officers, agents and/or employees, shall be excess only and not contributing with insurance required or provided under this agreement.

At all times, Contractor shall keep and maintain in full force and effect throughout the duration of this Contract, policies of insurance required by this Contract which policies shall be issued by companies with a Best's Rating of B+ or higher (B+, B++, A-, A, A+ or A++), or a Best's Financial Performance Rating

(FPR) of 6 or higher (6, 7, 8 or 9) according to the current Best's Key Rating Guide, or shall be issued by companies approved by the County Risk Manager. In the event the Best's Rating or Best's FPR shall fall below the rating required by this paragraph, Contractor shall be required to forthwith secure alternate policies which comply with the rating required by this paragraph, or be in material breach of this Contract.

Failure to provide and maintain the insurance policies (including Best's ratings), endorsements, or certificates of insurance required by this Contract shall constitute a material breach of this agreement (herein "Material Breach"); and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both. (See §13, ¶2, below, as these provisions additionally apply to subcontractors.)

11. Indemnity:

Nothing herein shall be construed as a limitation of Contractor's liability, and Contractor shall indemnify, defend and hold harmless the County and its officers, officials, employees, agents and volunteers from any and all liabilities, claims, demands, damages, losses and expenses (including, without limitation, defense costs and attorney fees of litigation) which result from the negligent act, willful misconduct, or error or omission of Contractor, except such loss or damage which was caused by the sole negligence or willful misconduct of County or its officers, officials, employees, agents and volunteers.

Personal Services

12. Contractor as Independent:

In providing services herein, Contractor, and the agents and employees thereof, shall act in an independent capacity and as an independent Contractor and not as agents or employees of County.

13. Assignment and Subcontracting:

Except as specifically provided herein, the rights, responsibilities, duties and Services to be performed under this Contract are personal to the Contractor and may not be transferred, subcontracted, or assigned without the prior written consent of County. Contractor shall not substitute nor replace any personnel for those specifically named herein or in its proposal without the prior written consent of County.

Contractor shall cause and require each transferee, subcontractor and assignee to comply with the insurance provisions set forth herein at §§6, 7, 8, 9 and 10, to the extent such insurance provisions are required of Contractor under this Contract. Failure of Contractor to so cause and require such compliance by each transferee, subcontractor and assignee shall constitute a Material Breach of this agreement, and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both.

14. Licensing and Permits:

Contractor warrants (i) Contractor is qualified and competent to provide all Services under this contract; (ii) Contractor and all employees of Contractor hold all necessary and appropriate licenses therefor, including those licenses set forth at §14, page one (1) hereof; and, (iii) Contractor shall obtain, and remain in compliance with, all permits necessary and appropriate to provide said Services. Contractor shall cause said licenses and permits to be maintained throughout the life of this Contract. Failure to do so shall constitute a Material Breach of this agreement, and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both.

Public Contracts

15. Prevailing Wage and Apprentices:

To the extent made applicable by law, performance of this contract shall be in conformity with the provisions of California Labor Code, Division 2, Part 7, Chapter 1, commencing with Section 1720 relating to prevailing wages which must be paid to workers employed on a public work as defined in Labor Code §§ 1720, et seq.; and shall be in conformity with Title 8 of the California Code of Regulations §§ 200 et seq., relating to apprenticeship. Contractor shall comply with the provisions thereof at the commencement of Services to be provided herein, and thereafter during the term of this Contract. A breach of the requirements of this section shall be deemed a material breach of this contract. A copy of the relevant prevailing wage as defined in Labor Code §1770 et seq. is on file with the Department of Transportation, County of Nevada, 950 Maidu Avenue, Nevada City, California 95959. Copies will be provided upon request.

16. Accessibility (County Resolution No. 00190):

It is the policy of the County of Nevada that all County services, programs, meetings, activities and facilities shall be accessible to all persons, and shall be in compliance with the provisions of the Americans With Disabilities Act and Title 24, California Code of Regulations. To the extent this Contract shall call for Contractor to provide County contracted services directly to the public, Contractor shall certify that said direct Services are and shall be accessible to all persons.

17. Nondiscriminatory Employment:

In providing Services hereunder, Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, age, sex, national origin, political affiliation, ancestry, marital status or disability. This policy does not require the employment of unqualified persons.

18. Prior Nevada County Employment (County Resolution No. 03-353):

Effective July 22, 2003, it is the policy of the County of Nevada that former members of the Board of Supervisors, a former CEO, or a former Purchasing Agent, for a period of twelve (12) months following the last day of employment, shall not enter into any relationship wherein that former employee or former Board member receives direct remuneration from a legal entity that, during the last twelve (12) months of said employment or Board member's service, entered into a contract with, or received a grant from the County of Nevada. Provided however, that this prohibition shall not apply to any employee that did not personally approve a contract with or grant to said legal entity during the last twelve (12) months of said employment, and shall not apply when the Board of Supervisors did not approve a contact with or grant to said legal entity during the last twelve (12) months of said Board member's service.

A violation of this policy shall subject Contractor to all of the remedies enumerated in said resolution and as otherwise provided in law, which remedies shall include but not be limited to injunctive relief, cancellation and voiding of this contract by County, a return of grant money, a cause of action for breach of contract, and entitlement to costs and reasonable attorney fees in any action based upon a breach of contract under this provision.

19. Cost Disclosure:

In accordance with Government Code Section 7550, should a written report be prepared under or required by the provisions of this Contract, Contractor agrees to state in a separate section of said report the numbers and dollar amounts of all contracts and subcontracts relating to the preparation of said report

Default and Termination

20. Termination:

A Material Breach of this Contract pursuant to the terms hereof or otherwise, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to immediately suspend payments hereunder, or terminate this contract, or both, **without notice**.

If Contractor fails to timely provide in any manner the services materials and products required under this Contract, or otherwise fails to promptly comply with the terms of this Contract, or violates any ordinance, regulation or other law which applies to its performance herein, County may terminate this Contract by giving **five (5) days written notice** to Contractor.

Either party may terminate this Contract for any reason, or without cause, by giving **thirty (30) calendar days written notice** to the other, which notice shall be sent by registered mail in conformity with the notice provisions, below. In the event of termination not the fault of the Contractor, the Contractor shall be paid for services performed to the date of termination in accordance with the terms of this Contract. Contractor shall be excused for failure to perform services herein if such performance is prevented by acts of God, strikes, labor disputes or other forces over which the Contractor has no control.

County, upon giving **sixty (60) calendar days written notice** to Contractor, shall have the right to terminate its obligations under this Contract at the end of any fiscal year if the County or the State of California, as the case may be, does not appropriate funds sufficient to discharge County's obligations coming due under this contract.

Miscellaneous

21. Books of Record and Audit Provision:

Contractor shall maintain complete records relating to this Contract for a period of five (5) years from the completion of Services hereunder. Said records shall include but not be limited to bids and all supporting

documents, original entry books, canceled checks, receipts, invoices, payroll records including subsistence, travel and field expenses, together with a general ledger itemizing all debits and credits

Contractor shall permit County to audit said records as well as such related records of any business entity controlled by Contractor. Said audit may be conducted on Contractor's premises or at a location designated by County, upon fifteen (15) days notice. Contractor shall promptly refund any moneys erroneously charged and shall be liable for the costs of audit if the audit establishes an over-charged of five percent (5%) or more of the Maximum Contract Price.

22. Intellectual Property:

All original photographs, diagrams, plans, documents, information, reports, computer code and all recordable media together with all copyright interests thereto (herein "Intellectual Property"), which concern or relate to this Contract and which have been prepared by, for or submitted to Contractor, shall be the property of County, and upon fifteen (15) days demand therefor, shall be promptly delivered to County without exception. Provided however, for personal purposes only and not for commercial, economic or any other purpose, Contractor may retain a copy of Contractor's work product hereunder.

23. Entire Agreement:

This Contract represents the entire agreement of the parties, and no representations have been made or relied upon except as set forth herein. This Contract may be amended or modified only by written, fully executed agreement of the parties.

24. Jurisdiction and Venue:

This Contract shall be construed in accordance with the laws of the State of California and the parties hereto agree that venue shall be in Nevada County, California.

25. Compliance with Applicable Laws:

The Contractor shall comply with any and all federal, state and local laws, codes, ordinances, rules and regulations which relate to, concern or affect the Services to be provided by this Contract.

26. Notices:

This Contract shall be managed and administered on County's behalf by the department and the person set forth at §26, page one (1) of this Contract, and all invoices shall be submitted to and approved by this Department. In addition to personal service, all notices may be given to County and to Contractor by first class mail addressed as set forth at said §26 Said notices shall be deemed received the fifth (5th) day following the date of mailing or the earlier date of personal service, as the case may be.

27. Authority:

All individuals executing this Contract on behalf of Contractor represent and warrant that they are authorized to execute and deliver this Contract on behalf of Contractor.

IN WITNESS WHEREOF, the parties have executed this Contract effective on the Beginning Date, above.

CONTRACTOR:
Quincy Engineering, Inc.

Name: 

President
Title:

Dated: 1/16/15

COUNTY OF NEVADA:


Board of Supervisors, Chairman

Dated: 1/20/2015

EXHIBIT A



Scope of Work

Based on the information provided by County's Combie Road Corridor Improvement RFQ and from our preliminary evaluation and assessment of the project, we have established the following preliminary Scope of Work and Deliverables (SOW) with specific tasks that are required for the project:

Task 1 – Project Coordination

Task 1.1 – Establish Work Plan/ Schedule | Quincy will work with the County to establish a Final Budget and Work Plan that designates the County's preferred communication plan and project schedule. The schedule will show each task, start and end dates, and task duration. This schedule will be updated and coordinated with the County as appropriate. Quincy will notify the County upon recognizing issues that could adversely impact the project schedule.

Task 1.2 - Kick-off Meeting | A Kick-off meeting will be held to re-introduce the Project Team, establish communication channels, set the project schedule, clarify the Scope of Work and define the roles and responsibilities of the various Team members.

Task 1.3 - Preliminary Research | Quincy will obtain or verify pertinent existing information from local, state, and federal agencies including, but not limited to the County, Caltrans, etc. This includes existing right-of-way maps, available mapping showing roadway and topographic features, traffic data, roadway as-builts, existing drainage facilities with maintenance history, pavement conditions and recommendations for repair, and utility information within the project limits. Quincy will also obtain pertinent existing information on other planned projects by the County or business owners or developers within and immediately adjacent to the project limits to ensure project compatibility and coordination.

Task 1.4 - Field Investigation | An Initial field review with the County's Project Manager, Quincy staff, subconsultant team members, and other project stakeholders will be held to review the proposed project to highlight and record significant project features. The preliminary design roadway, utility, and drainage features, such as existing pavement condition, will be reviewed for upgrades as needed.

Task 1 Deliverables

- ✓ *Project Budget, Work Plan, and Schedule*
- ✓ *Preliminary Research Data*
- ✓ *Field Investigation Report*

Task 2 – Project Management

Task 2.1 - Project Management | Quincy will be responsible for regular design team meetings to assure schedule and budget adherence, which will also be managed through regular resource loading and monitoring. This task also involves regular monthly Invoicing and Progress Reports. A Quality Management Plan for cost and schedule control, QA/QC, and a Technical Management Plan will be developed. Quincy will also update the critical path schedule for the project and provide as part of the PDT meeting minutes and action item summary reports.

Task 2.2 - Progress Meetings | Quincy will schedule and coordinate Project Development Team (PDT) meetings, in person or by phone. During the final design, regularly scheduled bi-monthly PDT meetings will provide the Team an opportunity to meet every other month and to regularly plan and monitor the progress on deliverables and ongoing action items. This phase is anticipated for a duration of approximately 18 months, planning for a total of 10 Team meetings.

Task 2.3 – Project Mailers | Quincy will develop and distribute project mailers to residents and businesses along Combie Road as required. The mailers will be developed by Quincy and reviewed by the County. The County will provide the names and addresses to those receiving the mailer.

Task 2 Deliverables

- ✓ *Meeting agendas*
- ✓ *Meeting materials (graphics, visual aids, etc.)*
- ✓ *Meeting minutes within 1 week of meeting*
- ✓ *Project schedule with updates, as necessary*
- ✓ *Monthly invoices and progress reports*
- ✓ *Project Issue/Action Item/Decision Log*
- ✓ *Project Management Binder*
- ✓ *Communication docs (emails, memos, etc.)*
- ✓ *Project mailer*



Task 3 – Surveying

Task 3.1- Base Map Preparation

KPFF will conduct ground based topographic surveys of existing facilities not evident upon the existing aerial mapping provide by Nevada County. Survey work will serve to supplement previous topographic surveys performed by KPFF. Included would be surveying the location of observable underground utilities and features, including all marking(s) provided by U.S.A. KPFF will also process the above information and generate a “base drawing” to be utilized for design purposes. Included within this task is the integration of existing aerial photography, existing ground surveys, mapping and LIDAR survey information provided by Nevada County.

Task 3.2 (OPTIONAL) - Utility Potholing

KPFF will provide surveying and “potholing” services including GPR and vacuum excavation, to verify potential utility conflicts. Estimated to require 2 days.

Task 3 Deliverables

- ✓ Survey Base Mapping
- ✓ Positive Utility Location (OPTIONAL)

Task 4 – Environmental Compliance Verification

Task 4.1 Review Background Materials

While Quincy Engineering has reviewed several environmental documents specific to the study area, we will work with County staff to ensure all previously prepared environmental and planning documents are available to the project team. Quincy will review these studies and will incorporate their findings if appropriate. Any additional background materials will be reviewed by Quincy and the appropriate tiered approach for CEQA will be confirmed with County staff.

Task 4.2 Prepare Project Description/Purpose and Need

A complete and stable project description is a requirement for any legally defensible CEQA document. We will work closely with the project team to prepare a project description that meets the needs of the County (CEQA lead agency), responsible agencies, and supports the regulatory permitting phase of the project. Preliminary site plans and conceptual design drawings will be incorporated into the project description to the extent they are available.

Deliverables:

- ✓ Three (3) copies and one (1) electronic copy of the draft project description with supporting figures.

Task 4.3- Prepare Administrative Draft Initial Study/Mitigated Negative Declaration

Quincy will prepare an administrative draft IS/MND for the proposed project. It is the goal of the IS/MND to support adoption of a Mitigated Negative Declaration by the County. The administrative draft IS/MND will include:

- **Project Description.** This section will include a description of the project, its location, the purpose and need statement, the project alternatives, any responsible agencies who may rely upon the IS/MND, and a list of permits and other approvals required to implement the project.
- **Affected Environment, Environmental Consequences, and Avoidance, Minimization, and/or Mitigation Measures.** Using information from the technical studies, this section will identify the affected environment, including the regulatory setting and the baseline environmental conditions. The consequences of the proposed project will be analyzed for both the construction and operational phases. Cumulative impacts, i.e. the effects of the project in combination with other likely projects, will be assessed. Feasible mitigation measures will be identified, and the significance of the impact after incorporating mitigation measures will be discussed.
- **Comments and Coordination.** This section will describe the scoping process and any contacts or coordination with responsible and trustee agencies made during the preparation of the technical reports. Public comments and tribal consultation will be included here.
- **List of Preparers.** The List of Preparers includes all individuals, including consultants, that prepared or helped to prepare the environmental document and supporting technical studies.

Given the nature of the proposed project and the Study Area, several of the environmental issues identified in the CEQA initial study checklist will likely not require detailed analysis (including agricultural resources and mineral resources). Consequently, the environmental analysis will focus on key technical issues affected by the project, with technical studies being prepared for the following environmental topics:

- Air Quality (prepared by Dudek)
- Biological Resources (prepared by Gallaway Enterprises, Inc.)
- Cultural Resources/Section 106 (Dudek)
- Noise (Dudek)
- Transportation/Traffic (Fehr & Peers)



To streamline the environmental/regulatory process, several of these technical studies (i.e., biological and cultural resource studies) will also be prepared to support the regulatory permits required for the proposed project.

Deliverables:

- ✓ *Three (3) copies and one (1) electronic copy of the administrative draft IS/MND.*

Task 4.4 Prepare Draft Initial Study/Mitigated Negative Declaration

After County staff have reviewed the administrative draft IS/MND, Quincy will incorporate the necessary revisions into the document and provide a screen check copy of the draft IS/MND prior to publication. The IS/MND must be circulated for a minimum of 30 days for public and agency comments. Quincy will assist with noticing and distribution of the IS/MND to the State Clearinghouse.

Deliverables:

- ✓ *One (1) screen check copy for County staff review.*
- ✓ *Thirty-five (35) copies (combination of CD/paper), one (1) electronic copy, and one (1) reproducible master of the draft IS/MND.*

Task 4.5 Prepare Final Initial Study/Mitigated Negative Declaration

At the conclusion of the 30-day public comment period, we will meet with County staff to discuss the written and oral comments received during the comment period and the appropriate responses to those comments. The administrative final IS/MND will include copies of all written (i.e., letters, emails, etc.) and verbal (public hearing) comments; responses to comments; any minor edits to the text of the draft IS/MND; and the draft Mitigation Monitoring and Reporting Program (MMRP).

This scope of work assumes that several comment letters (10 letters, 3 pages each) will be received on the updated IS/MND and that all substantial environmental comments can be adequately responded to without performing additional analyses. Should additional comment letters or technical issues require technical analysis or additional response time in the administrative MND, Quincy will update the project team and respond to comments as part of an optional task.

Deliverables:

- ✓ *Five (5) copies and one (1) electronic copy of the administrative final IS/MND/Mitigation Monitoring and Reporting Plan for County staff review.*
- ✓ *Thirty-five (35) hard copies and one (1) electronic copy of the Final IS/MND.*

Task 4.6 (OPTIONAL) Visual Simulations

As an optional task, visual simulations identifying various viewpoints along the roadway can be prepared to support both the environmental and planning aspects of the project.

Task 5 – Traffic Modeling

Task 5.1 – Traffic Forecast Modeling

Fehr & Peers will use the Nevada County Transportation Commission (NCTC) Travel Demand Forecasting Model that has been provided by the County to analyze the proposed benefits of widening Combie Road to five lanes between State Route 49 and Magnolia Road. Fehr & Peers will use Synchro and its associated SimTraffic micro simulation model to determine the required intersection geometrics, signal phasings / timings, and turn pocket lengths to serve projected Design Year AM and PM peak hour traffic volumes. This scope of work assumes that Nevada County will provide the Synchro and SimTraffic files for our use. The results of 10 SimTraffic Model runs will be used to calculate the average delay and level of service at the proposed signalized Intersection at Combie Road and Higgins Road for Existing, Design Year No Project and Design Year With Project scenarios. Fehr & Peers will summarize the data, analysis and findings in a Technical Memorandum for review by the Project Development Team. Fehr & Peers will respond to one set of comments and prepare a Final Technical Memorandum for the County.

Task 6 – Geotechnical Engineering Services

Holdrege and Kull (H&K) will provide Geotechnical Engineering Services for the Project.

Task 6.1 - Site Reconnaissance and Permitting

The geotechnical investigation will begin with a site reconnaissance by an engineer or geologist from H&K. During the site reconnaissance the surface soil and rock conditions will be observed, desired boring locations marked for Underground Service Alert (which will be coordinated by H&K), and access conditions reviewed.

Following the site reconnaissance, H&K will prepare encroachment and boring permit applications, as required by Nevada County, and coordinate the permit process with County representatives. H&K will rely on Quincy Engineering and the County of Nevada to locate known underground utilities not identified by USA prior to our investigation. Although H&K will use reasonable caution during drilling, we cannot assume responsibility for



damage to underground utilities that were not located or were inaccurately located prior to our investigation.

Task 6.2 - Subsurface Investigation

Following the review of proposed boring locations, clearance by Underground Service Alert, and the issuance of required boring and encroachment permits, H&K will perform a subsurface investigation to characterize subsurface conditions in the area of the proposed replacement structure.

H&K will conduct a subsurface investigation using a truck-mounted, hollow-stem auger drill rig to advance two borings in the vicinity of proposed traffic signals. In general, the borings will be advanced to a depth of 20 feet below the ground surface or to refusal on resistant rock. H&K assumes the borings will be located in the shoulders and will be backfilled with grout to within approximately 2 feet of the ground surface. An engineer or geologist from H&K will record soil conditions and blow counts, and will collect relatively undisturbed and bulk soil samples from each exploratory boring if feasible.

Task 6.3- Laboratory Testing

H&K will perform laboratory tests on selected soil samples to determine their engineering material properties. All laboratory tests will be performed using American Society for Testing and Materials (ASTM) and/or Caltrans methods as guidelines. The soil characterization tests may include:

- ASTM C136, Full Sieve Particle Size Analysis
- ASTM D1557, Compaction Curve
- ASTM D2216, Moisture Content
- ASTM D2937, Density
- ASTM D3080, Direct Shear Strength
- ASTM D4318, Atterberg Limits Determination
- Caltrans Method C 643, Minimum Electrical Resistivity
- Caltrans Method 417 and 422, Sulfate and Chloride
- ASTM D2844, Resistance Value

Task 6.4- Data Analysis and Engineering Design

Following the completion of laboratory testing, H&K will analyze the data and perform engineering calculations to develop geotechnical design criteria for the proposed improvements.

Task 6.5- Report Preparation

H&K will prepare a geotechnical engineering report that will present our findings, conclusions, and recommendations. The report will include descriptions of site conditions, a summary of the field investigation, results of laboratory testing and geotechnical engineering design recommendations. The report will include a site plan showing the approximate exploratory boring and

asphalt core locations. Exploratory boring logs, core logs and laboratory test data will be appended to the report.

Task 7 – Utility Verification & Coordination

Task 7.1 – Review PG&E Rule 20A Plans

Quincy will review the 30% roadway plans against the PG&E Rule 20A undergrounding project for Combie Road and will check for conflicts. This review will occur prior to PG&E's anticipated Summer 2015 construction and in time to coordinate changes for PG&E.

Task 7.2 – Coordinate with Other Utilities

Quincy will also coordinate with the other utilities within the project limits to ensure there are no conflicts for the roadway widening. If there are conflicts, Quincy will coordinate the ABC utility relocation process. It is assumed at this point that all utilities are currently located in County franchise and that all dry utilities will be undergrounded with the PG&E project. The cost to design and relocate is assumed to be the responsibility of the utility owner.

Task 7.3 (OPTIONAL) – Phase 3A Joint Trench Design

Quincy with O'Dell Engineering will coordinate and develop the Rule 20A Phase 3A plans. Quincy & O'Dell Engineering will attend the project kickoff meeting and participate in additional meetings as required (up to 6 meetings). These may include meetings with the design team, the utility companies, Nevada County staff, or others.

O'Dell Engineering will prepare a preliminary trench alignment plan. This plan, when approved by the design team, will be distributed via the "B" Letter to utility companies for their use in preparing their respective design drawings. Each utility design will be incorporated into the joint utility trench plan.

O'Dell Engineering will prepare, based on design information provided by the respective utility companies, a preliminary (30%) joint utility trench composite plan showing trench location, detailed trench sections, boxes, vaults, transformers, and other utility infrastructure. The plan will include horizontal control of trench alignment, trench details and sections, occupants, notes and details as required.

Based upon feedback from the client, utility companies, and the design team, O'Dell Engineering will prepare the 100% joint utility trench composite plan showing trench location, detailed trench sections, boxes, vaults, transformers, and other utility infrastructure. The plan will include horizontal control of trench alignment, trench



details and sections, occupants, notes and details as required.

O'Dell will provide a quantity estimate spreadsheet based upon the joint utility trench plan and design drawings and other information provided by the respective utility companies.

Task 8 – Final Design

Quincy will prepare and submit 65%, 95%, and 100% Plans, Specifications, and Estimate (PS&E). A Progress Meeting will be coordinated after the 65% and 95% submittals.

Task 8.1 - Basis of Design and Review of County's 30% Plans | Quincy will develop the Basis of Design document to summarize project design criteria, checklists, and standards. Quincy will review the County's 20%-30% plans and verify the County's design meets the chosen standards. The project design will be developed using Autodesk Civil3D 2013 utilizing County standards. Quincy will identify all non-standard features and prepare a design fact sheet for any design features once a preferred alternative is selected (Quincy will prepare draft and final Fact Sheets for County approval).

Task 8.2 – Preliminary Drainage Report | Quincy will perform Drainage Design and provide backup calculations for the proposed drainage systems. The drainage design will be prepared per Caltrans and the County's design criteria.

Quincy will prepare a Drainage Report, per Caltrans format, in order to summarize the drainage design calculations and design recommendations.

The drainage report will be reviewed by the County for concurrence. Quincy will incorporate appropriate comments into the Final Preliminary Drainage Report and will provide written response to all comments.

Task 8.3 - Conceptual Storm Water Pollution Prevention Plan (SWPPP) | Quincy will prepare documentation and submit project information for the Notice of Intent to Invoke the State Water Resources Control Board (SWRCB) NPDES Construction General and MS4 Permit.

Quincy will have a Qualified SWPPP Developer (QSD) prepare a "Conceptual" Storm Water Pollution Prevention Plan (SWPPP) that incorporates the minimum Best Management Practices (BMPs) required by the NPDES permit for the calculated Risk Level. Quincy will calculate the Risk Level using the methods prescribed by the permit.

The Conceptual SWPPP will consist of plans, specifications, and contract bid items showing the

anticipated locations of required BMPs, based on an assumed construction staging approach and schedule. The contractor will be required to submit their own SWPPP and other Permit Registration Documents (Construction Site Monitoring Program, Rain Event Action Plan, Sampling and Analysis Plan, Inspection forms, etc.) prior to mobilizing on the project site. The intent of the Conceptual SWPPP is to provide enough information to the SWRCB to obtain a Waste Discharge Identification Number and to develop quantities for contract pay items that are anticipated for BMP Implementation. The Conceptual SWPPP will not address the specifics of construction site management, sampling and testing, or spill response. The Conceptual SWPPP will be certified by a QSD, and approved by the County.

Task 8.4 – Signal and Lighting Design | Fehr & Peers will prepare plans, specifications and estimates (PS&E) for the installation of a traffic signal at the Combie Road/Higgins Road intersection. Fehr & Peers will field check existing conditions, including intersection lane geometrics. Potential conflicts between overhead/underground utilities and drainage facilities will be noted for use in the traffic signal design.

The traffic signal design will include type of controller and service, vehicle, bicycle and pedestrian detection, vehicle and pedestrian signals, intersection safety lighting, and the conductor and equipment schedules. We will prepare PG&E service applications on the County's behalf and coordinate with PG&E to obtain the electrical service point to include on the plans. Any connection or application fees shall be paid for by the County. The plans will also include traffic signal interconnect on Combie Road between the new traffic signal controller and the controller at the State Route 49/Combie Road intersection. Traffic signal plans will be prepared at 1"=20' scale. We will address comments at each submittal level and prepare written responses to the comments.

Fehr & Peers will prepare PS&E for the installation of street lighting in conjunction with the proposed improvements along Combie Road between State Route 49 and Magnolia Road. We will prepare street lighting photometric plans using Lighting Analysts' AGI 32 lighting analysis software for review by the County. We will prepare PG&E service applications on the County's behalf and coordinate with PG&E to obtain the electrical service point to include on the plans. Any connection or application fees shall be paid for by the County.

Fehr & Peers will be available to respond to contractor questions during the bidding process and respond to Requests for Information (RFIs) during construction. Fehr



& Peers will review contractor submittals for conformance with the plans and specifications.

Task 8.5 (OPTIONAL) – SR49/Combie Road & Magnolia/Combie Road Signal Modifications

Fehr & Peers will prepare PS&E for traffic signal modifications at the State Route 49/Combie Road and Combie Road/Magnolia Road intersections to accommodate the roadway widening and proposed improvements. It is assumed that the design at the State Route 49/Combie Road traffic signal will address impacts to the east leg and northeast corner and potential changes to the signal mast arm pole on the northwest corner to allow for correct head alignment for the east leg. It is assumed that the design at the Combie Road/Magnolia Road traffic signal will address impacts to the north side of Combie Road, including the need to relocate or replace the traffic signal controller cabinet. The designs will show existing equipment to remain, existing equipment to be removed, new equipment to be installed, and the conductor and equipment schedules.

Task 8.6– Sanitary Sewer Design | Quincy will prepare the plans, specifications, and estimate for the sewer force main from Cascade Crossing to the SR49/Combie Road R/W. Quincy and Nevada County Sanitation District will select the appropriate material based upon the anticipated flows and County standards.

Project Meetings

It is anticipated there will be a maximum of three meetings with the Nevada County Sanitation District and/or Nevada County as follows:

- A field meeting during Pre-Design
- A design review meeting at the 65% completion phase of the project
- A design review meeting at the final completion phase of the project

Design Services

The design services Quincy will provide for the pipeline relocation assumes the following:

- Any environmental services needed will be provided under the Combie Road Widening scope of services.
- All topographical and survey data needed will be provided under the Combie Road Widening scope of services.
- The design includes sewer air and vacuum release appurtenances, as appropriate, and isolation valves, if needed.
- The geotechnical report scope will include test borings along the pipeline alignment.

- All existing plans and information available on the existing NCSW sewer facilities that will be connected to in this Project will be provided by Nevada County.

The Project team will work with the County to determine appropriate locations and include in the design the manholes for future connections along the alignment. The pipeline design team will consider all elements of the design, such as utility conflicts, appropriate separations from water lines, as well as existing or proposed drainage facilities. A Design Memorandum will be prepared for transmittal to the County as well as the Sanitation District.

Task 8.7 - Prepare and Submit 65% Draft Plans | Quincy will prepare and submit 65% Plans to the County for review and comment

| ROADWAY PLANS |
|--|
| Title Sheet (1) |
| Typical Cross Sections (4) |
| Key Map (1) |
| Layout (6) |
| Profile/Superelevation (6) |
| Construction Details (6) |
| Erosion Control/Conceptual SWPPP (6) |
| Drainage Plan (6) |
| Drainage Profile (4) |
| Drainage Details (2) |
| Sewer Plan & Profile (4) |
| Sewer Details (2) |
| Construction Area Signs (1) |
| Stage Construction (6) |
| Traffic Handling (6) |
| Pavement Delineation and Sign Plan (6) |
| Summary of Quantities (2) |
| Signal Layout (1) |
| Signal Details (2) |
| Lighting Layout (6) |
| Lighting Detail (2) |
| <i>Plan Sheet Estimate: 80 Sheets</i> |

Task 8.8 - Independent Design Check | An independent check of the design will be performed at this stage. The plans will be reviewed for completeness, constructability, and conformance to design criteria as approved in the Project Report. This involves a completely independent analysis of the project using the 65% Plans by an



engineer that has not been directly involved in the design. Based upon the independent check and agreement to revisions by the checker and designer, the plans will be revised as appropriate.

Task 8.9 - Prepare Special Provisions | Quincy will prepare contract technical specifications to be submitted at the 95% and 100% submittals. The technical specifications will be based on the 2010 Caltrans Standard Specifications and Special Provisions. Quincy will merge the County's boilerplate specifications with the technical specifications and will ensure their consistency. The final Special Provisions will be ready for project advertisement by the County.

Task 8.10 - Prepare Quantities and Estimate | Quincy will prepare cost estimates for the proposed project at the 95%, and 100% submittals. Quantities will be developed in accordance with standard Caltrans pay items. Caltrans Construction Cost Database or other databases, as directed by the County, will be used to estimate item prices. Project estimates will show individual pay items, quantities, and costs as well as a project cost summary, including appropriate supplemental work items and contingencies.

Task 8.11 - Quality Assurance/Quality Control Program | Quincy has a Quality Assurance/Quality Control Program that will assign a senior level engineer to review the entire draft PS&E (95% PS&E) package for uniformity, compatibility, and constructability. The review will include comparing plans for conflicts or inconsistencies, and to assure that the final design is in accordance with all Environmental Documents, Project Report, permit requirements, drainage reports, and geotechnical recommendations. The specifications and estimate will be reviewed for consistency with the plans, and to assure that each construction item has been covered.

Task 8.12 – Submit 95% Draft Plans, Specifications & Estimate | Quincy will prepare and submit 95% Plans, Specifications, and Estimate to the County for review.

Task 8.13 – 100% Final Plans, Specifications, & Estimate Submittal | This phase will incorporate comments from the draft plans, specifications, and estimate and produces final plans, specifications, and estimate ready for advertisement. Upon receiving comments from the County, each comment will be reviewed, discussed and addressed in writing. All apparent conflicts will be resolved in person or via telephone/email as necessary.

The Quincy Team will finalize plan sheets, special provisions, and cost estimate based upon response to meaningful comments received from the Draft plans, specifications, and estimate submittals.

Task 8 Deliverables

- ✓ Six (6) copies of 95% PS&E
- ✓ Six (6) copies of Draft Special Provisions
- ✓ Six (6) copies of Engineer's Estimate
- ✓ Ten (10) sets of 11"x17" Plans Signed by a Registered Engineer
- ✓ Ten (10) copies of Final Special Provisions
- ✓ Ten (10) copies of Engineer's Estimate
- ✓ Cross-Section at 50' Intervals
- ✓ One CD with Final Special Provisions
- ✓ One CD with PDF of Final Plans
- ✓ Two (2) sets of Full Size Plans Signed by a Registered Engineer

Task 9 – Permits

Task 9.1 - Regulatory Permit Assistance | The proposed project will likely require several environmental permits, including a Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW), a Section 404 permit from the United States Army Corps of Engineers (Corps), and a Section 401 certification or waiver from the Regional Water Quality Control Board (RWQCB). In addition to the IS/MND (identified above), the permit applications will likely require a number of supporting technical studies including a Wetland Delineation, Biological Assessment Report (BA), Section 106 Compliance Report, and a Revegetation Plan. Consultation under Section 7 of the Endangered Species Act may be required for impacts to federally listed species (primarily California Red-Legged Frog) identified in the BA.

For each permit, the Quincy Team will prepare and submit an application to the appropriate regulatory agency. Additionally, as part of this task, the Quincy Team will submit the wetland delineation for verification by the Corps. If the Corps determines that a field verification meeting is necessary, Quincy will contact the Corps to appoint a time to verify the wetland delineation. Quincy will attend the site verification with the Corps in order to provide any supplemental information or provide any justifications for our findings if necessary.

Based on Quincy's understanding of the Project, Quincy assumes that permit applications and submittal packages for the following permits/approvals may be required for the Project:

- Nationwide Section 404 Clean Water Act (CWA) permit from the U.S. Army Corps of Engineers (Corps)
- Section 401 CWA permit from the North Coast Regional Water Quality Control Board (RWQCB)



- Section 1600 Lake and Streambed Alteration permit from the California Department of Fish and Wildlife (CDFW).

The County will pay permit fees directly to the resource agencies.

Subtask 9.2- Corps Section 404 Permit | Quincy will prepare a Preconstruction Notification (PCN) to submit to the Corps requesting verification that the Project can be authorized using Nationwide Permit (NWP) 14 for linear transportation projects. The PCN will include a project description, evidence of CEQA approval, design drawings, and a mitigation plan to describe how the project will offset impact to Waters of the U.S. Avoidance and minimization of impacts to waters of the U.S. shall be incorporated into the project design, and the mitigation plan will outline compensation measures. This scope of work assumes that the project would qualify for a NWP and that mitigation will be accomplished through purchase of credits at a mitigation bank.

Task 9.3 - RWQCB Section 401 Permit

State Water Quality Certification under Section 401 of the CWA is required for all Section 404 permits in California. Quincy will compile the necessary information and prepare a water quality certification application to be submitted to the North Coast RWQCB. The permit package will include a project location map, design plans, and evidence of CEQA approval. Quincy will recommend best management practices (BMPs) to avoid and minimize effects on water quality. It may also be necessary to transmit a copy of the Streambed Alteration Agreement for the project to the RWQCB before they will issue certification.

Task 9.4 - CDFW Section 1600 Lake and Streambed Alteration Permit

Quincy will prepare a Notification of Streambed Alteration for CDFW for the Project. The Notification of Streambed Alteration and associated Project Questionnaires would include a project location map, design plans, and evidence of CEQA approval.

Quincy assumes that the County will provide all GIS data pertaining to the project. Quincy also assumes that the Initial Study with Mitigation Negative Declaration/Environmental Assessment (ISMND/EA), Natural Environment Study (NES), and the Preliminary Delineation of Potential Jurisdiction Waters of the U.S. reports are adequate for biological resource impact assessment, and that no new species assessments will be required by the permitting agencies.

Task 9.5 – Caltrans Encroachment Permit Application | For work done within the State R/W at the SR 49 Intersection, Quincy will prepare a Caltrans' encroachment permit application for the County to

submit to Caltrans for approval. Quincy will prepare revisions for up to two rounds of comments.

Task 9.6 – (OPTIONAL) Caltrans PEER Report- Caltrans may require the development of a Permit Engineering Evaluation Report (PEER) if there are permanent traffic impacts to SR49. This process is used when the total cost of improvements within the State R/W is less than \$1,000,000. Fehr and Peers will determine the traffic impacts and if permanent, Quincy will prepare the PEER.

Task 9 Deliverables

- ✓ *Wetlands Delineation.*
- ✓ *Biological Assessment Report.*
- ✓ *California Red-Legged Frog Habitat Assessment.*
- ✓ *Section 106 Compliance Report.*
- ✓ *Section 404 Permit Application.*
- ✓ *Section 401 Certification Application.*
- ✓ *1600 Streambed Alteration Agreement Permit Application.*
- ✓ *Revegetation Plan*
- ✓ *Caltrans Encroachment Permit*
- ✓ *Caltrans PEER Report (OPTIONAL)*

Task 10 – Bidding Assistance

The County will administer the contract bid process and administration of the construction project. The Quincy Team will provide assistance, as directed by the County, in the advertising of the project. While the project is being advertised for bids, all questions concerning the intent of the construction plans and specifications will be referred to the Quincy Team for resolution. In the event that any items requiring interpretation in the drawings or specifications are discovered during the bidding period, said items shall be analyzed by the Quincy Team for decision by the County as to the proper procedure required. Corrective action taken will either be in the form of an addendum prepared by the Team, or by a covering change order after the award of the construction contract. The Quincy Team will assist the County in responding to bidders' inquiries, preparing addenda, clarifications, attending pre-bid meetings and bid openings, providing ongoing consultation and interpretation of the construction documents.

Resident Engineers (RE) Pending File. Quincy will prepare the Project RE Pending File which will include the Environmental Commitments Record and final design Cross-Sections.

EXHIBIT B

Cost Proposal

| TASKS | Project Name: Nevada County-Combie Road Corridor Improvement Project | | | | | | | | | | | Contact Costs | | | | | | OPTIONAL COSTS | | |
|---|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-------------|-------------|--------------------|--------------|-----------------------|-------|------|--------|----------------|--------------|-------------|
| | Principal Eng | Senior Eng | Senior Eng | Senior Eng | Assoc Eng | Assoc Eng | Asst Eng | Drafter | Environmental Mgr | Senior PM | Adm Asst | Quincy Total Hours | Fehr & Peers | Galleyway Enterprises | Dudak | KPFF | O'Dell | | Hedra & Kulf | Subcontract |
| | BL | JJ | MS | SB | ME | ACA | PK | RW | TR | RV | | | | | | | | | | |
| | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | Hourly Rate | | | | | | | | | |
| 6.3 Laboratory Testing | | | | | | | | | | | | | | | | | | | | |
| 6.4 Data Analysis and Engineering Design | | | 4 | | | | | | | | | 6 | | | | | | | \$2,282 | \$2,262 |
| 6.5 Report Preparation | | 2 | | | | | | | | | | 6 | | | | | | | \$450 | \$450 |
| 7 Utility Coordination | | | | | | | | | | | | | | | | | | | \$2,800 | \$2,800 |
| 7.1 Review PG&E Rule 20A Plans | | 8 | 16 | | | | | | | | | 24 | | | | | | | | \$0 |
| 7.2 Coordinate with Other Utilities | | 8 | 40 | | | | | | | | | 48 | | | | | | | | \$0 |
| 7.3 (OPTIONAL) Phase 3 Joint Trench Design | | | | | | | | | | | | | | | | | | | | |
| 8 Final Design (PS&E) | | | | | | | | | | | | | | | | | | | | \$9,200 |
| 8.1 Basis of Design and 30% Plan Review | | 20 | 40 | | 60 | | | | | | | 140 | | | | | | | | \$0 |
| 8.2 Prepare Drainage Report | | 8 | 40 | | 24 | | | | | | | 72 | | | | | | | | \$0 |
| 8.3 Prepare Conceptual SWPPP | | 8 | 40 | | 24 | | | | | | | 72 | | | | | | | | \$0 |
| 8.4 Signal and Lighting Design | | 8 | 24 | | | | | | | | | 32 | | | | | | | \$24,500 | \$24,500 |
| 8.5 (OPTIONAL) SR&K/Combie Road & Magnolia/Combie Road Signal Modifications | | | | | | | | | | | | | | | | | | | | \$22,000 |
| 8.6 Sanitary Sewer Design | | | | 40 | | | | | | | | 80 | | | | | | | | \$0 |
| 8.7 Prepare and Submit 60% Draft Plans | | 40 | 100 | | 40 | 180 | | | | | | 540 | | | | | | | | \$0 |
| 8.8 Independent Design Check | | 8 | 24 | | 40 | | | | | | | 72 | | | | | | | | \$0 |
| 8.9 Prepare Special Provisions | | 8 | 80 | | | | | | | | | 88 | | | | | | | | \$0 |
| 8.10 Prepare Q's and Estimates | | 8 | 20 | | 40 | | | | | | | 108 | | | | | | | | \$0 |
| 8.11 CA/DC Program | | | | | | | | | | | | 40 | | | | | | | | \$0 |
| 8.12 Submit 65% Draft PS&E | | 24 | 80 | | 80 | | | | | | | 284 | | | | | | | | \$0 |
| 8.13 100% Final PS&E | | 16 | 40 | | 40 | | | | | | | 136 | | | | | | | | \$0 |
| 9 Regulatory Permits and Supporting Documentation | | | | | | | | | | | | | | | | | | | | \$0 |
| 9.1 Wetlands Delineation | | | | | | | | | | | | 2 | | \$6,150 | | | | | | \$6,150 |



Cost Proposal

| Project Name: Nevada County, Combie Road Corridor Improvement Project | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------------|-------------|-------------|-------------|------------|------------|----------|--------------------|-----------|------------|--------------------|----------------|---------------------|----------|------|----------|-----------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|
| TASKS | Principal Eng. | Senior Eng. | Senior Eng. | Senior Eng. | Senior Eng. | Assoc Eng. | Asst. Eng. | Drafter | Environmental Mng. | Senior PM | Admin Asst | Quincy Total Hours | Contract Costs | | | | | OPTIONAL COSTS | | | | | | | | | | | | | |
| | BL | JJ | MS | SB | ME | ME | Acia | PK | RW | TR | RV | | Fair & Peers | Gateway Enterprises | Dudak | KFFF | O'Dell | Holmgren & Kull | Subcontract | | | | | | | | | | | | |
| Invst Hourly Rate | \$74.97 | \$86.00 | \$58.08 | \$50.00 | \$38.81 | \$27.09 | \$24.32 | \$40.00 | \$65.42 | \$23.71 | | | | | | | | | | | | | | | | | | | | | |
| Environmental & Final Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.1 Biological Assessment Report | | | | | | | | | 2 | | | 2 | \$7,800 | | | | | | \$7,800 | | | | | | | | | | | | |
| 9.1 California Red-Legged Frog Habitat Assessment | | | | | | | | | 2 | | | 2 | \$3,240 | | | | | | \$3,240 | | | | | | | | | | | | |
| 9.1 Section 106 Compliance Report | | | | | | | | | 2 | | | 2 | \$9,960 | | | | | | \$9,960 | | | | | | | | | | | | |
| 9.2 Corps Section 404 Permit | | | | | | | | | 12 | | | 12 | \$6,610 | | | | | | \$6,610 | | | | | | | | | | | | |
| 9.3 RMQCB Section 401 Permit | | | | | | | | | 4 | | | 4 | \$2,000 | | | | | | \$2,000 | | | | | | | | | | | | |
| 9.4 CDFW Section 1800 Lake and Streambed Alteration Permit | | | | | | | | | 8 | | | 8 | \$5,380 | | | | | | \$5,380 | | | | | | | | | | | | |
| 9.4 Revegetation Plan | | | | | | | | | 2 | | | 2 | \$5,930 | | | | | | \$5,930 | | | | | | | | | | | | |
| 9.9 Caltrans Enhancement Permit Application | | | | | | | | | 2 | | | 2 | \$0 | | | | | | \$0 | | | | | | | | | | | | |
| 9.10 OPTIONAL Caltrans PEER Report | | | | | | | | | 0 | | | 0 | \$0 | | | | | | \$0 | | | | | | | | | | | | |
| 10 Bidding Assistance | | | | | | | | | 8 | | | 8 | \$750 | | | | | | \$750 | | | | | | | | | | | | |
| Subtotal - Hours | 0 | 340 | 708 | 40 | 364 | 240 | 320 | 388 | 40 | 40 | 40 | 2512 | | | | | | | \$0 | | | | | | | | | | | | |
| Other Direct Costs | | | | | | | | | | | | | \$1,480 | \$800 | | | | | \$2,280 | | | | | | | | | | | | |
| Total Costs | \$0 | \$25,080 | \$41,121 | \$2,000 | \$15,287 | \$8,646 | \$7,782 | \$21,600 | \$2,619 | \$1,548 | \$12,840 | \$122,882 | \$42,050 | \$27,960 | \$10,000 | \$0 | \$73,660 | \$131,500 | \$63,280 | | | | | | | | | | | | |



Cost Proposal

Nevada County- Combie Road Corridor Improvement Project

Environmental & Final Design

Date: 12/22/2014

Quincy Engineering, Inc.

| | |
|---|--------------|
| Direct Labor: | \$123,683.28 |
| Escalation for Multi-Year Project (2.0%): | \$2,473.67 |
| <hr/> | |
| Direct Labor with Escalation: | \$126,156.95 |
| Overhead (1.768): | \$223,045.48 |
| <hr/> | |
| A. Labor Subtotal | \$349,202.43 |

Subconsultant Costs:

| | |
|---------------------------|--------------|
| Fehr & Peers | \$37,840.00 |
| Gallaway Enterprises | \$42,050.00 |
| Dudek | \$27,960.00 |
| KPFF | \$10,000.00 |
| O'Dell | \$0.00 |
| Holdrege & Kull | \$13,650.00 |
| | \$0.00 |
| | \$0.00 |
| | \$0.00 |
| <hr/> | |
| B. Subconsultant Subtotal | \$131,500.00 |

Other Direct Costs:

| | | | |
|--|--------------|----------|----------------|
| Travel | 1000 miles @ | \$0.560 | \$560.00 |
| Pier Diem/ Hotel | 0 days @ | \$150.00 | \$0.00 |
| Phone/Fax | | | \$0.00 |
| Delivery | @ | \$15.00 | \$0.00 |
| Printing: Blue Line | | | |
| Vellum | | | |
| 8 1/2 X 11 Reproduction | | | \$17.33 |
| 11 X 17 Reproduction | | | |
| Mounting Boards for Presentations | | | |
| Newsletters (Translation and printing) | | | |
| Survey Prevailing Wage Differential | | | \$0.00 |
| Mailings (6x) | | | |
| C. Direct Cost Subtotal: | | | <hr/> \$577.33 |

| | |
|-----------------------------|--------------|
| Labor Subtotal A. = | \$349,202.43 |
| Fixed Fee (10.0%): | \$34,920.24 |
| Subconsultant Subtotal B. = | \$131,500.00 |
| Fixed Fee (0.0%): | \$0.00 |
| Direct Cost Subtotal: C. = | \$577.33 |
| Fixed Fee (0.0%): | \$0.00 |

TOTAL =

\$516,200.00

Note: Invoices will be based upon actual QEI hourly rates plus overhead at 176.8% plus prorated portion of fixed fee. Subconsultant and Direct Costs will be billed at actual cost.

Optional Services → \$63,290
 TOTAL → \$579,490



Year 2014 Hourly Rates

Rates are effective January 1, 2014 through December 31, 2014

| Labor by Classification | Hourly Rate |
|---|--------------------|
| Principal Engineer | \$62 - \$81 |
| Associate Principal Engineer | \$52 - \$72 |
| Senior Engineer | \$46 - \$72 |
| Associate Engineer | \$33 - \$57 |
| Assistant Engineer* | \$26 - \$42 |
| Senior Engineering Tech* | \$31 - \$46 |
| Engineering Tech/Assistant* | \$19 - \$36 |
| CAD Manager | \$33 - \$52 |
| CAD Tech* | \$21 - \$33 |
| Student Assistant/Intern* | \$16 - \$23 |
| Administrative Assistant/Support Staff* | \$11 - \$36 |
| Senior Project Manager/Proj Manager | \$52 - \$81 |
| Project Engineer | \$36 - \$72 |
| Resident Engineer/Bridge Rep | \$42 - \$70 |
| Senior Inspector* | \$36 - \$60 |
| Inspector* | \$21 - \$46 |

Surveying - Office Classifications

| | |
|--|-------------|
| Senior Surveyor/ Survey Department Manager | \$38 - \$57 |
| Associate Surveyor/Project Surveyor | \$35 - \$43 |
| Survey Technician* | \$31 - \$39 |

Surveying - Field Classifications

| | |
|------------------|--------------|
| Party Chief* | \$38 - \$57 |
| Instrumentman* | \$35 - \$43 |
| Chainman/Rodman* | \$26 - \$39 |
| One Man Crew* | \$38 - \$57 |
| Two Man Crew* | \$73 - \$115 |

Overhead Rate **176.8%**

Other Direct Costs

| | |
|--------------------------------|---|
| Office Computer & Software | Included in Overhead |
| Office Phone/Cell/Fax | Included in Overhead |
| Reproduction | |
| Black & White in office | Included in Overhead |
| Color in office | Included in Overhead |
| Vendor | Cost |
| Delivery | Cost |
| Mileage | Current Federal Rate (\$.56/mi.) |
| Other Travel | Cost |
| Subconsultants | Cost |
| Short Term Per Diem | up to \$170 per day |
| Long Term Per Diem | up to \$2,700 per month |
| Field Vehicle | up to \$1,450 per month |
| Field Computer/Printer | \$220 per month |
| Field Cellular Phone | \$130 per month |
| Prevailing Wage Differential** | Cost Plus Payroll Taxes or as dictated by audit. |
| Misc. | Cost |

Fee

| | |
|--------------------|-----------|
| Labor + Overhead | 10% - 15% |
| Other Direct Costs | 0% - 10% |

Notes:

*Overtime rates apply to these classifications and will typically be charged at 1.5 times the hourly rate.

**Prevailing Wage Differentials may apply for Construction Inspection and Surveying Services.

Labor Costs to be invoiced based on actual hourly rate plus overhead plus fee.

Other Direct Costs to be invoiced at actual cost plus fee.