

**AGREEMENT FOR PROFESSIONAL SERVICES
WKE Engineering, Inc.**

Temescal Canyon Bridge Realignment Project

This Agreement for Professional Services (the "Agreement") is made and entered into as of October 9, 2018, by and between the City of Lake Elsinore, a municipal corporation ("City") and WKE Engineering, Inc., ("Consultant").

RECITALS

- A. The City has determined that it requires the following professional services:
Final Engineering Design and Construction Support.
- B. Consultant has submitted to City a proposal, dated August 7, 2018, attached hereto as Exhibit A ("Consultant's Proposal") and incorporated herein, to provide professional services to City pursuant to the terms of this Agreement.
- C. Consultant possesses the skill, experience, ability, background, certification and knowledge to perform the services described in this Agreement on the terms and conditions described herein.
- D. City desires to retain Consultant to perform the services as provided herein and Consultant desires to provide such professional services as set forth in this Agreement.

AGREEMENT

1. Scope of Services. Consultant shall perform the services described in Consultant's Proposal (Exhibit A). Consultant shall provide such services at the time, place, and in the manner specified in Consultant's Proposal (Exhibit A), subject to the direction of the City through its staff that it may provide from time to time.

2. Time of Performance.

a. Time of Essence. Time is of the essence in the performance of this Agreement. The time for completion of the professional services to be performed by Consultant is an essential condition of this Agreement. Consultant shall prosecute regularly and diligently the professional services contemplated pursuant to this Agreement according to the agreed upon performance schedule in Consultant's Proposal (Exhibit A).

b. Performance Schedule. Consultant shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in the Consultant's Proposal (Exhibit A). When requested by Consultant, extensions to the time period(s) specified may be approved in writing by the City Manager.

c. Term.

The term of this Agreement shall commence upon execution of this Agreement and shall continue until the services and related work are completed in accordance with the Consultant's Proposal (Exhibit A).

Consultant hereby agrees and acknowledges that any and all work or services performed pursuant to this Agreement shall be based upon the issuance of a project task order by the City. Consultant acknowledges that it is not guaranteed any minimum or specific amount of work or services as all work or services shall be authorized through task order issued by the City.

3. Compensation. Compensation to be paid to Consultant shall be in accordance with the fees set forth in Consultants' Proposal (Exhibit A), which is attached hereto and incorporated herein by reference. In no event shall Consultant's compensation exceed **One Million Six Hundred Forty One Thousand Two Hundred Forty Eight dollars (\$1,641,248.00)** without additional written authorization from the City. Notwithstanding any provision of Consultant's Proposal to the contrary, out of pocket expenses set forth in Exhibit A shall be reimbursed at cost without an inflator or administrative charge. Payment by City under this Agreement shall not be deemed a waiver of defects, even if such defects were known to the City at the time of payment.

4. Method of Payment. Consultant shall promptly submit billings to the City describing the services and related work performed during the preceding month to the extent that such services and related work were performed. Consultant's bills shall be segregated by project task, if applicable, such that the City receives a separate accounting for work done on each individual task for which Consultant provides services. Consultant's bills shall include a brief description of the services performed, the date the services were performed, the number of hours spent and by whom, and a description of any reimbursable expenditures. City shall pay Consultant no later than forty-five (45) days after receipt of the monthly invoice by City staff.

5. Reserved.

6. Suspension or Termination.

a. The City may at any time, for any reason, with or without cause, suspend or terminate this Agreement, or any portion hereof, by serving upon the Consultant at least ten (10) days prior written notice. Upon receipt of such notice, the Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends or terminates a portion of this Agreement such suspension or termination shall not make void or invalidate the remainder of this Agreement.

b. In the event this Agreement is terminated pursuant to this Section, the City shall pay to Consultant the actual value of the work performed up to the time of termination, provided that the work performed is of value to the City. Upon termination of the Agreement pursuant to this Section, the Consultant will submit an invoice to the City, pursuant to Section entitled "Method of Payment" herein.

7. Ownership of Documents. All plans, studies, documents and other writings prepared by and for Consultant, its officers, employees and agents and subcontractors in the course of implementing this Agreement, except working notepad internal documents, shall

become the property of the City upon payment to Consultant for such work, and the City shall have the sole right to use such materials in its discretion without further compensation to Consultant or to any other party. Consultant shall, at Consultant's expense, provide such reports, plans, studies, documents and other writings to City upon written request. City acknowledges that any use of such materials in a manner beyond the intended purpose as set forth herein shall be at the sole risk of the City. City further agrees to defend, indemnify and hold harmless Consultant, its officers, officials, agents, employees and volunteers from any claims, demands, actions, losses, damages, injuries, and liability, direct or indirect (including any and all costs and expenses in connection therein), arising out of the City's use of such materials in a manner beyond the intended purpose as set forth herein.

a. Licensing of Intellectual Property. This Agreement creates a nonexclusive and perpetual license for City to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents or works of authorship fixed in any tangible medium of expression, including but not limited to, physical drawings or data magnetically or otherwise recorded on computer diskettes, which are prepared or caused to be prepared by Consultant under this Agreement ("Documents & Data"). Consultant shall require that all subcontractors agree in writing that City is granted a nonexclusive and perpetual license for any Documents & Data the subcontractors prepares under this Agreement. Consultant represents and warrants that Consultant has the legal right to license any and all Documents & Data. Consultant makes no such representation and warranty in regard to Documents & Data which were prepared by design professionals other than Consultant or provided to Consultant by the City. City shall not be limited in any way in its use of the Documents & Data at any time, provided that any such use not within the purposes intended by this Agreement shall be at City's sole risk.

b. Confidentiality. All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information, and other Documents & Data either created by or provided to Consultant in connection with the performance of this Agreement shall be held confidential by Consultant. Such materials shall not, without the prior written consent of City, be used by Consultant for any purposes other than the performance of the services under this Agreement. Nor shall such materials be disclosed to any person or entity not connected with the performance of the services under this Agreement. Nothing furnished to Consultant which is otherwise known to Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia, photographs relating to project for which Consultant's services are rendered, or any publicity pertaining to the Consultant's services under this Agreement in any magazine, trade paper, newspaper, television or radio production or other similar medium without the prior written consent of City.

8. Consultant's Books and Records.

a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, and other records or documents evidencing or relating to charges for services, or expenditures and disbursements charged to City for a minimum period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant to this Agreement.

b. Consultant shall maintain all documents and records which demonstrate performance under this Agreement for a minimum period of three (3) years, or for any longer period required by law, from the date of termination or completion of this Agreement.

c. Any records or documents required to be maintained pursuant to this Agreement shall be made available for inspection or audit, at any time during regular business hours, upon written request by the City Manager, City Attorney, City Auditor or a designated representative of these officers. Copies of such documents shall be provided to the City for inspection at City Hall when it is practical to do so. Otherwise, unless an alternative is mutually agreed upon, the records shall be available at Consultant's address indicated for receipt of notices in this Agreement.

d. Where City has reason to believe that such records or documents may be lost or discarded due to dissolution, disbandment or termination of Consultant's business, City may, by written request by any of the above-named officers, require that custody of the records be given to the City and that the records and documents be maintained in City Hall. Access to such records and documents shall be granted to any party authorized by Consultant, Consultant's representatives, or Consultant's successor-in-interest.

9. Independent Consultant. It is understood that Consultant, in the performance of the work and services agreed to be performed, shall act as and be an independent Consultant and shall not act as an agent or employee of the City.

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

Notwithstanding any other federal, state and local laws, codes, ordinances and regulations to the contrary, Consultant and any of its employees, agents, and subcontractors providing service under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

11. Interests of Consultant. Consultant (including principals, associates and professional employees) covenants and represents that it does not now have any investment or interest in real property and shall not acquire any interest, direct or indirect, in the area covered by this Agreement or any other source of income, interest in real property or investment which would be affected in any manner or degree by the performance of Consultant's services hereunder. Consultant further covenants and represents that in the performance of its duties hereunder no person having any such interest shall perform any services under this Agreement.

Consultant is not a designated employee within the meaning of the Political Reform Act because Consultant:

a. will conduct research and arrive at conclusions with respect to his/her rendition of information, advice, recommendation or counsel independent of the control and direction of the City or of any City official, other than normal agreement monitoring; and

b. possesses no authority with respect to any City decision beyond rendition of information, advice, recommendation or counsel. (FPPC Reg. 18700(a)(2).)

12. Professional Ability of Consultant. City has relied upon the professional training and ability of Consultant to perform the services hereunder as a material inducement to enter into this Agreement. Consultant shall therefore provide properly skilled professional and technical personnel to perform all services under this Agreement. All work performed by Consultant under this Agreement shall be in accordance with applicable legal requirements and shall meet the standard of quality ordinarily to be expected of competent professionals in Consultant's field of expertise.

13. Compliance with Laws. Consultant shall use the standard of care in its profession to comply with all applicable federal, state and local laws, codes, ordinances and regulations.

14. Licenses. Consultant represents and warrants to City that it has the licenses, permits, qualifications, insurance and approvals of whatsoever nature which are legally required of Consultant to practice its profession. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement, any licenses, permits, insurance and approvals which are legally required of Consultant to practice its profession. Consultant shall maintain a City of Lake Elsinore business license.

15. Indemnity.

(a) Indemnification for Professional Liability. To the fullest extent permitted by law, Consultant shall indemnify, defend and hold harmless City and any and all of its officials, employees and agents ("Indemnified Parties") from and against any and all claims, losses, liabilities, damages, costs and expenses, including attorney's fees and costs, to the extent they arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Consultant's duty to defend shall consist of reimbursement of defense costs incurred by City in direct proportion to the Consultant's proportionate percentage of fault. Consultant's percentage of fault shall be determined, as applicable, by a court of law, jury or arbitrator. In the event any loss, liability or damage is incurred by way of settlement or resolution without a court, jury or arbitrator having made a determination of the Consultant's percentage of fault, the parties agree to mediation with a third party neutral to determine the Consultant's proportionate percentage of fault for purposes of determining the amount of indemnity and defense cost reimbursement owed to the City.

(b) Indemnification for Other Than Professional Liability. Other than in the performance of professional services and to the full extent permitted by law, Consultant shall indemnify, defend and hold harmless City, and any and all of its employees, officials and agents from and against any liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys' fees and costs, court costs, interest, defense costs, and expert witness fees), where the same arise out of, are a consequence of, or are in any way attributable to, in whole or in part, the performance of this Agreement by Consultant or by any individual or entity for which Consultant is legally liable, including but not limited to officers, agents, employees or sub-consultants of Consultant. Consultant shall not be liable to third parties for any liability exempted by statute.

(c) General Indemnification Provisions. Consultant agrees to obtain executed indemnity agreements with provisions identical to those set forth here in this section from each and every sub-consultant or any other person or entity involved by, for, with or on behalf of Consultant

in the performance of this Agreement. In the event Consultant fails to obtain such indemnity obligations from others as required here, Consultant agrees to be fully responsible according to the terms of this section. Failure of City to monitor compliance with these requirements imposes no additional obligations on City and will in no way act as a waiver of any rights hereunder. This obligation to indemnify and defend City as set forth here is binding on the successors, assigns or heirs of Consultant and shall survive the termination of this Agreement or this section.

16. Insurance Requirements.

a. Insurance. Consultant, at Consultant's own cost and expense, shall procure and maintain, for the duration of the contract, unless modified by the City's Risk Manager, the following insurance policies.

i. Workers' Compensation Coverage. Consultant shall maintain Workers' Compensation Insurance and Employer's Liability Insurance for his/her employees in accordance with the laws of the State of California. In addition, Consultant

shall require each subcontractors to similarly maintain Workers' Compensation Insurance and Employer's Liability Insurance in accordance with the laws of the State of California for all of the subcontractor's employees. Any notice of cancellation or non-renewal of all Workers' Compensation policies must be received by the City at least thirty (30) days prior to such change. The insurer shall agree to waive all rights of subrogation against City, its officers, agents, employees and volunteers for losses arising from work performed by Consultant for City. In the event that Consultant is exempt from Worker's Compensation Insurance and Employer's Liability Insurance for his/her employees in accordance with the laws of the State of California, Consultant shall submit to the City a Certificate of Exemption from Workers Compensation Insurance in a form approved by the City Attorney.

ii. General Liability Coverage. Consultant shall maintain commercial general liability insurance in an amount not less than one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If a commercial general liability insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit. Required commercial general liability coverage shall be at least as broad as Insurance Services Office Commercial General Liability occurrence form CG 0001 (ed. 11/88) or Insurance Services Office form number GL 0002 (ed. 1/73) covering comprehensive General Liability and Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability. No endorsement may be attached limiting the coverage.

iii. Automobile Liability Coverage. Consultant shall maintain automobile liability insurance covering bodily injury and property damage for all activities of the Consultant arising out of or in connection with the work to be performed under this Agreement, including coverage for owned, hired and non-owned vehicles, in an amount of not less than one million dollars (\$1,000,000) combined single limit for each occurrence. Automobile liability coverage must be at least as broad as Insurance Services Office Automobile Liability form CA 0001 (ed. 12/90) Code 1 ("any auto"). No endorsement may be attached limiting the coverage.

iv. Professional Liability Coverage. Consultant shall maintain professional errors and omissions liability insurance appropriate for Consultant's profession for protection against claims alleging negligent acts, errors or omissions which may arise from Consultant's services under this Agreement, whether such services are provided by the Consultant or by its employees, subcontractors, or sub consultants. The amount of this insurance shall not be less than one million dollars (\$1,000,000) on a claims-made annual aggregate basis, or a combined single limit per occurrence basis.

b. Endorsements. Each general liability and automobile liability insurance policy shall be with insurers possessing a Best's rating of no less than A:VII and shall be endorsed with the following specific language:

i. The City, its elected or appointed officers, officials, employees, agents and volunteers are to be covered as additional insured with respect to liability arising out of work performed by or on behalf of the Consultant, including materials, parts or equipment furnished in connection with such work or operations.

ii. This policy shall be considered primary insurance as respects the City, its elected or appointed officers, officials, employees, agents and volunteers. Any insurance maintained by the City, including any self-insured retention the City may have, shall be considered excess insurance only and shall not contribute with it.

iii. This insurance shall act for each insured and additional insured as though a separate policy had been written for each, except with respect to the limits of liability of the insuring company.

iv. The insurer waives all rights of subrogation against the City, its elected or appointed officers, officials, employees or agents.

v. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its elected or appointed officers, officials, employees, agents or volunteers.

vi. The insurance provided by this Policy shall not be suspended, voided, canceled, or reduced in coverage or in limits except after thirty (30) days written notice has been received by the City.

c. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. At the City's option, Consultant shall demonstrate financial capability for payment of such deductibles or self-insured retentions.

d. Certificates of Insurance. Consultant shall provide certificates of insurance with original endorsements to City as evidence of the insurance coverage required herein. Certificates of such insurance shall be filed with the City on or before commencement of performance of this Agreement. Current certification of insurance shall be kept on file with the City at all times during the term of this Agreement.

17. Notices. Any notice required to be given under this Agreement shall be in writing and either served personally or sent prepaid, first class mail. Any such notice shall be addressed to the other party at the address set forth below. Notice shall be deemed communicated within 48 hours from the time of mailing if mailed as provided in this section.

If to City: City of Lake Elsinore
Attn: City Manager
130 South Main Street
Lake Elsinore, CA 92530

With a copy to: City of Lake Elsinore
Attn: City Clerk
130 South Main Street
Lake Elsinore, CA 92530

If to Consultant: WKE Engineering, Inc.
400 North Tustin Ave, Ste. 275
Santa Ana, CA 92705

18. Entire Agreement. This Agreement constitutes the complete and exclusive statement of Agreement between the City and Consultant. All prior written and oral communications, including correspondence, drafts, memoranda, and representations, are superseded in total by this Agreement.

19. Amendments. This Agreement may be modified or amended only by a written document executed by both Consultant and City and approved as to form by the City Attorney.

20. Assignment and Subcontracting. The parties recognize that a substantial inducement to City for entering into this Agreement is the professional reputation, experience and competence of Consultant and the subcontractors listed in Exhibit B. Consultant shall be fully responsible to City for all acts or omissions of any subcontractors. Assignments of any or all rights, duties or obligations of the Consultant under this Agreement will be permitted only with the express consent of the City. Consultant shall not subcontract any portion of the work to be performed under this Agreement except as provided in Exhibit B without the written authorization of the City. If City consents to such subcontract, Consultant shall be fully responsible to City for all acts or omissions of those subcontractors. Nothing in this Agreement shall create any contractual relationship between City and any subcontractors nor shall it create any obligation on the part of the City to pay or to see to the payment of any monies due to any such subcontractors other than as otherwise is required by law.

21. Waiver. Waiver of a breach or default under this Agreement shall not constitute a continuing waiver of a subsequent breach of the same or any other provision under this Agreement.

22. Severability. If any term or portion of this Agreement is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of this Agreement shall continue in full force and effect.

23. Controlling Law Venue. This Agreement and all matters relating to it shall be governed by the laws of the State of California and any action brought relating to this Agreement shall be held exclusively in a state court in the County of Riverside.

24. Litigation Expenses and Attorneys' Fees. If either party to this Agreement commences any legal action against the other party arising out of this Agreement, the prevailing party shall be entitled to recover its reasonable litigation expenses, including court costs, expert witness fees, discovery expenses, and attorneys' fees.

25. Mediation. The parties agree to make a good faith attempt to resolve any disputes arising out of this Agreement through mediation prior to commencing litigation. The parties shall mutually agree upon the mediator and share the costs of mediation equally. If the parties are unable to agree upon a mediator, the dispute shall be submitted to JAMS or its successor in interest. JAMS shall provide the parties with the names of five qualified mediators. Each party shall have the option to strike two of the five mediators selected by JAMS and thereafter the mediator remaining shall hear the dispute. If the dispute remains unresolved after mediation, either party may commence litigation.

26. Authority to Enter Agreement. Consultant has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and to bind each respective party. The City Manager is authorized to enter

into an amendment or otherwise take action on behalf of the City to make the following modifications to the Agreement: (a) a name change; (b) grant extensions of time; (c) non-monetary changes in the scope of services; and/or (d) suspend or terminate the Agreement.

27. Prohibited Interests. Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this Agreement. Further, Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the term of this Agreement, no member, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

28. Equal Opportunity Employment. Consultant represents that it is an equal opportunity employer and it shall not discriminate against any subcontractors, employee or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

29. Prevailing Wages. Consultant is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, if applicable, the Prevailing Wage Laws). It is agreed by the parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees to defend, indemnify, and hold the City, and its officials, officers, employees, agents, and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this Agreement.

30. Execution. This Agreement may be executed in several counterparts, each of which shall constitute one and the same instrument and shall become binding upon the parties when at least one copy hereof shall have been signed by both parties hereto. In approving this Agreement, it shall not be necessary to produce or account for more than one such counterpart.

[Signatures on next page]

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed on the date first written above.

“CITY”

CITY OF LAKE ELSINORE, a municipal corporation

“CONSULTANT”

WKE Engineering, Inc.

Grant Yates, City Manager

By: _____

Its: _____

ATTEST:

City Clerk

APPROVED AS TO FORM:

City Attorney

Attachments: Exhibit A – Consultant’s Proposal

EXHIBIT A
CONSULTANT'S PROPOSAL
[ATTACHED]

SCOPE OF WORK FOR TEMESCAL CYN BRIDGE OVER TEMESCAL WASH REPLACEMENT PROJECT

TASK 1 – PROJECT MANAGEMENT/COORDINATION/ADMINISTRATION

1.1 Administration and Management

This task shall include general management and coordination with the City, Caltrans, regulatory agencies, and other key stakeholders. Project meetings will be conducted to maintain good project communication. Project coordination shall be established by frequent progress review meetings or conference calls. Project Development Team (PDT) meetings in the City Hall or by conference calls shall be conducted.

1.2 Meetings

During the course of the contract, the CONSULTANT shall participate in the following meetings:

- Monthly Project Development Team (PDT)
- Progress Review Meetings or Conference Calls, as needed
- Follow-up Technical Focus Meetings, as needed
- Agency Coordination/Technical Workshop
- Right-of-Way Coordination
- Constructability Workshop

CONSULTANT will prepare notices, agendas, handouts, minutes, and progress plans. CONSULTANT will also prepare monthly progress reports; establish design criteria; post project issues to all individuals; mitigate all independent check and review comments; maintain the project schedule.

1.3 Schedule

CONSULTANT shall develop and submit an initial Project Schedule. Following approval by the City, this schedule will become the Project Target Schedule. Project schedule will be updated after each PDT. The following elements will be included by CONSULTANT in the Schedule:

- Design, Right of Way, Environmental, and Construction Phases
- Agency Review time
- Order of Sequence of significant work
- Major Milestones
- Critical Path Tasks

1.3-1 Progress Reports

Along with an invoice at the end of each month, CONSULTANT shall report the progress of the work with a narrative of the monthly Progress Report which shall describe the overall progress of the work, discuss significant problems and present proposed corrective action and show the status of major changes.

1.4 QA/QC Plan

CONSULTANT shall prepare, implement and maintain a Quality Assurance/Quality Control Plan throughout the services under this Agreement. The QA/QC will establish Quality Assurance and Quality Control processes and procedures; describe how the quality of the work products will be managed to minimize or eliminate errors and omissions; ensure that all design reports, studies, plans, specifications,

quantities, estimates and other design documents are complete, accurate, consistent, checked, and reviewed.

1.5 HBP Request for Authorization/Local Assistance Support

CONSULTANT shall assist the City in preparing Request for Authorizations (RFA), Finance letters, record audits in accordance with Caltrans Local Assistance Procedures Manual. CONSULTANT shall provide technical support and attend up to four (4) meetings with the City and Caltrans District 8 Local Assistance as required to discuss the funding authorization matters.

Deliverables: Monthly Invoices, Progress Reports, Schedule Updates, Document Logs, Meeting Agendas, Meeting Minutes, Coordination Memorandums, Requests for Authorization Forms, Annual Bridge Survey Updates, Finance Letters, and detail records meeting the Federal Audit requirements.

Assumptions:

A total of 24 Monthly team meetings are assumed.

TASK 2 – Surveying and Topographic Mapping

2.1 Topographic Surveys and Mapping (Temescal Wash & Temescal Cyn Rd)

CONSULTANT shall Perform topographic survey and provide cross-sections every 100 feet in the channel that covers the proposed wash grading, roadway realignment and connection points to existing Temescal Canyon Roadway.

The topographic data will be downloaded, processed and tied to the horizontal and vertical control established for this project. The topographic data will be plotted in CAD and a digital terrain model (DTM) created for the existing ground surface. The final deliverables will include the digital terrain model, topographic data plotted in CAD and an ASCII file of the topographic survey points. The topographic survey information will be delivered in a MicroStation v8i format.

Horizontal and vertical control: Horizontal and Vertical project control will be established for this project, being NAD 83, California State Plane Coordinate System Zone 6, and NAVD88. If required, any existing survey data will be reviewed, translated and rotated to the new project datum.

We will densify control throughout the project area. Survey control monuments will be established outside of anticipated construction area(s), so these points may be used by the design team and future construction teams. Conventional survey, GPS and digital levels will be utilized to establish the horizontal and vertical control.

A survey control report will be prepared documenting the primary controls utilized, the newly established project controls, methods and procedures, adjustment results, and survey field notes, sketches and photos.

A project control sheet will be prepared which will include the primary and project horizontal and vertical controls, northings, eastings and elevations of each control point, basis of bearings, datum and benchmark statements.

Topographic Design Surveys: Conventional ground survey and will be utilized, within the above described project limits, to augment the aerial mapping and existing design surveys done by others. These surveys

will include the edge of pavement and concrete, edge of traveled way, flowline, signs, drainage, surface visible utility features and other surface visible features within the project limits.

2.2 HEC-RAS Model Survey and Mapping

CONSULTANT shall update the survey to cover the recently graded areas westerly of Lake Street, for the purpose of more accurate HEC-RAS modeling.

2.3 As Needed Miscellaneous Survey and Mapping

CONSULTANT shall include additional topography to support the design of the channel grading, slope protection, & storm drain facilities.

2.4 Prepare Landnet Base Map

CONSULTANT shall provide updated utility base plan based on information provided by the utility coordination sub-consultant.

2.5 Corner Record/Record of Survey

CONSULTANT shall file Corner Records and/or Record of Survey as required.

Deliverables: Updated topographic survey, Update utility base plan, Survey street cross-sections, Corner Records and/or Record of Survey.

Assumptions:

The limits of the survey and mapping are as shown in the figure below and include:

- *Existing Temescal Canyon Rd. 500' northwesterly and 700' southeasterly of Bernard St.*
- *Cross Section Temescal Creek Channel 700' westerly and 700' easterly of the proposed bridge location*
- *HEC-RAS Modeling area, westerly of Lake St.*

Survey Assumptions:

1. *Caltrans District 8 Right-of-Way Department will not have review oversight.*
2. *Existing project control will be made available to the survey team.*
3. *Aerial topographic mapping was completed during an earlier phase of this project. Additional aerial mapping will not be required.*
4. *Some topographic surveys were completed by others during the earlier phase of the project. All existing topographic surveys will be provided to the survey team in MicroStation (or other CADD) format.*



A preliminary Landnet was completed by others during an earlier phase of the project. The Landnet will be provided to the survey team in MicroStation (or other CADD) format.

TASK 2 – Additional Scope Added

2.6 Tree Survey

Within the project limits, we understand that there are ten (10) trees that need to be located as part of the topographic design surveys. A field survey will be completed after 65% design with mapping completed showing location, trunk size and drip lines.

Assumptions:

A total of ten (10) trees that need to be located as part of the topographic design survey.

TASK 3 – Geotechnical Investigations and Design Reports

3.1 Preliminary Foundation Report

CONSULTANT shall conduct a field investigation (Borings and Cone Penetration Tests [CPTs]), perform laboratory tests, and conduct analyses to develop geotechnical parameters and recommendations for the Preliminary Foundation Report.

3.2 Foundation Report (FR) (Draft and Final)

Engineering Analyses Results obtained from the field investigation and laboratory testing program shall be used to establish idealized soil profiles and strength parameters for the bridge and retaining wall foundation design for the Foundation Report.

3.3 Geotechnical Design Report (GDR)

Engineering Analyses Results obtained from the field investigation and laboratory testing program shall be used to establish idealized soil profiles and strength parameters for slope stability and settlement calculations for the roadway embankment. R-value shall be used to determine flexible pavement structural sections at the approaches and temporary bypass road using traffic indices provided by the Traffic Consultant.

TASK 3 – Additional Scope Added

3.4 Ground Water Monitoring Wells

Three (3) groundwater monitoring wells will be installed during the geotechnical field investigation at three locations:

- (1) at the upstream limit of proposed wash grading,
- (2) at the downstream limit of the proposed wash grading, and
- (3) within the bridge footprint.

The groundwater monitoring wells will be installed inside borings drilled with a track-mounted drill rig equipped with 8-inch diameter hollow-stem augers down to a depth of no more than 50 feet below existing grade or refusal, whichever occurs first. The monitoring wells will consist of 2-inch-diameter Schedule 40 polyvinyl chloride (PVC) screen and solid schedule 40 PVC casing installed at the completion

of the boring. The screened portion of the wells will consist of 0.01-inch wide slots and will be placed at a depth of approximately 10 feet below the ground surface to about 2 feet above the bottom of the borehole. Depths of the screened portion of the wells may be adjusted pending on the findings from each boring. The solid PVC casing will be placed between about 0.5 feet below ground surface and the well screen. Number 2/12 Monterey sand will be placed in the annulus of the screened interval with approximately 2 feet above the screen, and 1 foot below the screen. A bentonite-chip seal will be placed above the filter pack to within approximately 2 feet of the ground surface. The upper portion of the well will be sealed with quick set concrete. The wells will be finished with a cap or a box set in concrete to minimize the possibility of vandalism.

After the wells are constructed, EMI will collect and record groundwater elevations on a monthly basis during dry season, and one day after and five days after each significant rainfall event, but no less than monthly during the rainy season. Monitoring of the groundwater table will be performed for a period of at least 2 years (from a year prior to start of project construction to a year after start of project construction). EMI will provide a “running” spreadsheet to report these groundwater measurements.

Soil specimens will also be collected at each of the three well locations at depth of zero, 5 and 10 feet below existing grade. Laboratory grain-size analysis will be performed on selected specimens and the results will be used by others in a sediment transport study.

3.5 Ground Water Testing

CONSULTANT shall, based upon the Caltrans Water Quality Tool, test for the following pollutants:

Indicator Bacteria, Nutrients, Organic Enrichments/Low Dissolved Oxygen, PCBs, Sediment Toxicity and Unknown Toxicity.

CDFW has concerns regarding construction-related impacts to groundwater quality, specifically for subsurface flows in Temescal Canyon Wash. As such, Group Delta (under contract from LSA) will monitor three wells in the project vicinity, as outlined in Task 3.4, for water quality parameters before project construction initiates and after project construction is complete. Because there is no known subsurface contamination in the underlying groundwater in the project Site, water quality will be assessed only for water quality parameters that can be measured using a hand-held device and not contaminant constituents (e.g., heavy metals, total petroleum hydrocarbons, or volatile organic compounds). The location for the three (3) wells are listed under Task 3.4.

The scope of work will include the following:

3.5a Draft and Final Groundwater Monitoring Work Plan: Group Delta will prepare a concise work plan, in letter format, for approval by CDFW prior to initiating groundwater monitoring. The work plan will summarize the proposed groundwater monitoring methodology and analyses.

3.5b Groundwater Monitoring: Group Delta will conduct two groundwater monitoring events for three wells located in the project area. The events will be conducted prior to initiating construction and after construction has been completed. Groundwater monitoring events will include the following:

- Take water level measurements at each well using a water level sounder.
- Collect samples using either a low-flow or no-purge sampling methodology. If purging is required, wells will be purged using either a bailer or peristaltic pump.
- Record water quality parameters for the groundwater samples using a Horiba U-52 Water Quality Meter. The following parameters will be recorded:
 - Temperature

- Dissolved oxygen
- pH
- Conductivity
- Total Dissolved Solids
- Turbidity
- Oxidation Reduction Potential

Costs for optional groundwater monitoring events including one additional baseline event and one event during construction have also been included to provide a better picture of groundwater conditions and more defensible data.

3.5c Groundwater Monitoring Report: Group Delta will prepare a concise Groundwater Monitoring Report including a table summarizing analytical results, a site map with well sample locations, a discussion and evaluation of analytical results.

Assumptions:

1. *The wells will be installed and properly developed by others.*
2. *Low-flow purging, bailer purging, or no purge sampling methodologies are acceptable to CDFW for this sampling program.*
3. *Purge water can be reused onsite for dust control.*
4. *No specific groundwater contaminants are known to be present. Therefore, analysis for general water quality parameters is considered the best gauge in determining changes to water chemistry due to the project. We assume this approach will be acceptable to CDFW.*

Assumptions:

The pollutants are based on Caltrans Water Quality Tool (the RWQB can have their own requirements as well).

Deliverables: *A Foundation Report (FR) for the bridge final PS&E, a Geotechnical Design Report (GDR) for the approach embankments and retaining walls (Pavement recommendations will be provided in the GDR, rather than preparing a separate Materials Report).*

Assumptions:

Geotechnical borings will be performed per the following table:

<i>Design Element</i>	<i>Proposed Number of Borings</i>	<i>Approximate Proposed Depth (feet)</i>
<i>Temescal Canyon Bridge and Wingwalls</i>	<i>4</i>	<i>100</i>
<i>Roadway Improvements</i>	<i>1</i>	<i>20</i>
	<i>1</i>	<i>40</i>

5. *Geotechnical Investigation is allowed between 7am and 7pm on weekdays.*
6. *No investigation of hazardous materials. If hazardous materials are encountered during the geotechnical field investigation, work will be terminated, and the City notified.*

- 7. We have allocated \$2,500 for the Riverside County Flood Control District encroachment permit, and no permit fee was assumed for City of Lake Elsinore.**
 - 8. Existing pavement rehabilitation recommendations not included.**
- Geotechnical design report will not be reviewed by Caltrans.**

TASK 4 – Utilities Coordination

4.1 Reports of Investigation

CONSULTANT shall submit improvement plans to utility companies in accordance with their requirements. Identify any impact to existing utilities.

4.2 Notice to Owner

CONSULTANT shall determine and document any prior rights, prepare utility relocation agreements and Caltrans Local Assistance forms for utility conflicts plus a contingency of at least two utilities. CONSULTANT shall issue the Relocation Claim Letters and Notice to Owner to relocate. Existing utilities include, overhead SCE lines, EVMWD Water & Sewer lines, High pressure Gas line, Fiber Optic line, SWAPA 30- inch line. EVMWD 30-inch irrigation line is located within the Temescal Wash which has to be relocated prior to any grading.

4.3 Utility Relocation Plan & Protection Plan

CONSULTANT shall review potholing plans and coordinate with the design team and utility owners to determine actual “conflicts,” protection in place, relocation alternatives, including the relocation of the EVMWD 30-inch irrigation line located within the Temescal Wash to the existing bridge.

Deliverables: Reports of Investigations, Notice to Owner, Utility Relocation Plan & Protection plan, Utility Agreements (if applicable), FHWA Specific Authorization forms (if applicable)

Assumptions:

A total of 8 utility relocations are assumed. Utility Agreements by Others.

TASK 5 – Utility Potholing

5.1 Pothole Workplan

CONSULTANT shall coordinate up to 12 pothole locations with the help of the design team and the utility owners. The CONSULTANT shall provide notifications to the utility owners for the potholing.

5.2 Field Work

Potholing sub-consultant shall provide potholing traffic controls and encroachment permit applications. Potholing sub-consultant shall verify vertical elevation measurements from top of utility to an installed hub marker on the surface.

5.3 Test Hole Mapping & Report

Roadway restoration shall be compacted ABC material with UPM cold- patch unless otherwise specified.

Deliverables: Test hole Data Summary and Test hole Data Reports.

Assumptions:

- 1. Up to 12 potholes will be performed to locate utilities.***
- 2. Each pothole will be surveyed for vertical and horizontal mapping.***

TASK 6 – Civil Roadway PS&E

6.1 Draft Roadway Plans (65%)

CONSULTANT shall prepare the 65% complete Civil plans based on the preliminary geometric layout. The plans shall be prepared at 1"=40' scale, on 24" x 36" improvement plan sheets. CONSULTANT shall provide street cross sections at 100-foot intervals minimum. The plan shall reflect the existing and proposed grades over existing utilities.

6.1.1-6.1.10 Roadway Plans (65%)

Plans shall include Layout & Profile, Signing/Striping, Construction Details, Grading, Water Pollution Control, Erosion Control, Grading, Drainage, Electrical, Landscaping, and Traffic Control Plans/TMP.

6.11 Draft Special Provisions

CONSULTANT shall prepare special provisions for items of work and conditions that are not covered by the Standard Specifications for Public Work Construction (Green Book). Construction Technical Specifications for the roadway improvements shall be prepared using the City's format and the provided boilerplate materials. Each item of work shall include a method of measurement and payment. Quantity calculation and construction cost estimates in Microsoft Excel format with a contingency directed by the City shall be prepared. CONSULTANT shall conduct an internal QA/QC review of the project deliverables prior to submittal.

6.12 Update Quantity and Cost Estimates

Quantity calculation and construction cost estimates in Microsoft Excel format with a contingency directed by the City shall be prepared. CONSULTANT shall conduct an internal QA/QC review of the project deliverables prior to submittal.

Final estimate of Quantities and Costs must be broken down between the HBP eligible and non-eligible items of work. CONSULTANT shall provide a construction quantity and cost estimate with each submittal of plans. The unit costs shall be based upon the most current cost information for recent similar projects in the area compiled by the CONSULTANT and approved by the City.

6.2 Roadway Plans (95%)

This submittal will include comments, reviews, coordination efforts, and updated information. CONSULTANT will update all Roadway Plans. Any Revised and/or New Standard Plans developed by Caltrans shall be included with CONSULTANT's Roadway Plan submittal. Response and resolution of all review comments for each deliverable from the 65% submittal will take place prior to 95% submittal. All

roadway quantities shall be independently checked, and all issues raised by independent quantity checker(s) will be resolved prior to the submittal.

6.3 Final Roadway Plans (100%)

CONSULTANT will submit the Final PS&E package to the City for final approval. The submittal will only incorporate all applicable previous comments, and no further agency review is anticipated. All required forms in the RTL Guide will be provided. Electronic copies will be included with the 100% submittal.

TASK 6 – Additional Scope Added

6.0 Constructability Workshop (Design Implementation Workshop)

CONSULTANT will conduct a Design Implementation Workshop with the City and City's Project Manager to present and discuss the optional technical enhancements with the City. Each, or all, of the enhancements can be implemented into the project, while maintaining the project environmental footprint evaluated in the PA/ED. CONSULTANT will conduct the workshop with the goal of obtaining consensus of the desired implemented enhancements and obtain consensus on the bridge type, aesthetic features and geometrics for proposed project design.

6.0.1 Update Bridge Type and Roadway Geometrics

CONSULTANT will prepare General Plan and cost estimate for up to one (1) bridge configuration and Type. CONSULTANT will update roadway geometrics based upon the approved design speed from the City and City's Project Manager.

Assumptions:

A formal updated Type Selection Report is not needed, nor is Caltrans review and approval of any new bridge type anticipated.

6.0 Constructability Workshop with the City

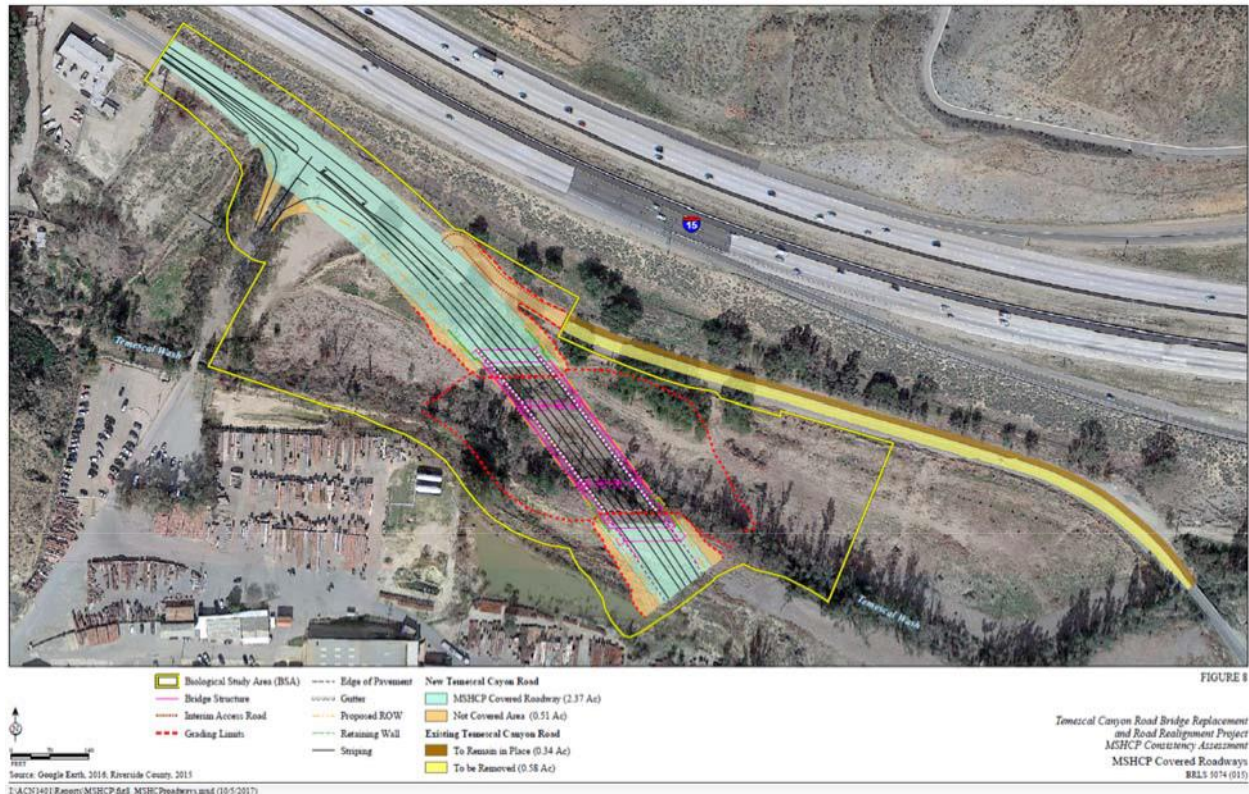
CONSULTANT will conduct a constructability workshop with the City and City's Project Manager to seek consensus on the design moving forward.

6.1.3a Roadway Removals

CONSULTANT shall remove one lane of the existing Temescal Road from the tie-in point up to the existing bridge as mitigation. No planting is necessary outside the revegetation plan.

Assumptions:

No planting is necessary outside the revegetation plan for roadway removals. Remove A/C and base material. Limits are from the tie-in point to the existing bridge. Refer to figure below.



Deliverables: Street Cross Sections; 65%, 95%, 100% Street Improvement Plans, Drainage Plans, Erosion Control Plans, Drainage Report, Water Pollution Control Drawings, Traffic Control Plans, Sign and Striping Plans, Bridge Esthetic plan, Bridge Lighting Plans. 95% & 100% Technical Specifications, Construction Cost Estimate, and Contracting Bid Documents.

Assumptions:

Road Design from Station 65+38 to Station 78+93.

TASK 7 – TEMESCAL WASH IMPROVEMENT PLANS

7.1 Hydraulic Report (Draft & Final)

CONSULTANT shall provide final bridge hydraulic analysis and prepare supporting floodplain/scour analysis report. This scope shall include preparation of quantity and cost estimates in support of the channel design. The plan is subject to review and approval of Resource Agencies, RCFC, EVMWD, and the City.

TASK 7 – Additional Scope Added

7.1a Sediment Transport Study

The sediment transport study will be prepared between Bernard Street and Lake Street. The sediment transport task will include evaluation of historical channel trends, contrast of local channel slopes to regional slope variation, evaluation of anticipated changes to sediment loading to the project reach due

to upstream activities (i.e., sensitivity analysis), hydraulic capacity calculations using normal depth procedures, and sediment transport potential evaluation using qualitative hydraulic indicators. Steady-state methodologies will be used to contrast the sediment transport capacity of the channel reach local to the proposed bridge with anticipated supply rates, over a range of discharge conditions. Local sediment size information will be used with the hydraulic information and sediment transport relations to estimate bed material sediment transport volumes passing through the upstream, local and downstream channel reach. Sediment continuity will be applied to estimate potential erosion/sedimentation depths to be expected along the proposed channel for the design event. Local scour components, due to drop structures or other features incorporated into the proposed plan will be computed, if applicable. The potential hydraulic and/or channel deformation effects of bed form development will be assessed as well.

7.2 Channel Improvement Plans (65%)

CONSULTANT shall prepare Final Temescal Wash improvement plans at a scale of 1"=40', or otherwise approved by the City. Plans shall be based on the preliminary channel improvement plans. The plan set shall consist of layout grading plan sheets, channel profile sheets, and channel cross section every 100'.

7.3 Channel Improvement Plans (95%)

This submittal will include comments, reviews, coordination efforts, and updated information. CONSULTANT will update all Channel Improvement Plans.

7.4 Channel Improvement Plans (100%)

CONSULTANT will submit the Final Channel Improvement Plans to the City for final approval. The submittal will only incorporate all applicable previous comments, and no further agency review is anticipated.

Deliverables: Final Temescal Wash Improvement Plans & Final Hydraulic Reports, including a Sediment Transport Study.

Assumptions:

- 1. The was improvement plan consists of grading plans and details for rip-rap protection***
- 2. No check dams or concrete structures will be required.***
- 3. Realign 480' of streambed***

TASK 8 – UNCHECKED STRUCTURE PLANS (65%)

8.1 65% Bridge Plans

Engineering conclusions for the preferred alternative identified in the final bridge type selection report approved by Caltrans Structures Local Assistance shall be carried into the final design phase. The final bridge design shall be based on Caltrans-amended AASHTO LRFD Bridge Design Specifications, various Caltrans Bridge Design and Detail Manuals, and the Seismic Design Criteria (SDC).

8.2 65% Bridge Aesthetic Plans

CONSULTANT will provide the Bridge Aesthetic Plans as part of the 65% Bridge Plan set and will incorporate the aesthetics set forth under the RFP and as approved under the approved 35%.

8.3 65% Bridge Lighting Plans

CONSULTANT will provide the Bridge Lighting Plans as part of the 65% Bridge Plan set consistent with the aesthetic plans.

8.4 65% Log of Test Borings (LOTB)

CONSULTANT recommends a soil boring at each bridge support locations where substructure width is less than 100 feet; minimum of two borings are required per location where substructure width is greater than 100 feet, per Caltrans' guidelines (AASHTO recommendations).

- Proposed number of Borings:
 - 4 at Temescal Canyon Bridge and Wingwalls (100 ft)
 - 2 for Roadway Improvements (20 ft and 40 ft)

8.5 Prepare Draft Engineer's Estimate

Quantity calculation and construction cost estimates in Microsoft Excel format with a contingency directed by the City shall be prepared. CONSULTANT shall conduct an internal QA/QC review of the project deliverables prior to submittal.

Final estimate of Quantities and Costs must be broken down between the HBP eligible and non-eligible items of work. CONSULTANT shall provide a construction quantity and cost estimate with each submittal of plans. The unit costs shall be based upon the most current cost information for recent similar projects in the area compiled by the CONSULTANT and approved by the City.

Deliverables: 65% Unchecked Structure Plans.

Assumptions:

Assumed to be a 375' Long, 98' wide 3-span cast in place structure.

As is typical of a Local Assistance Project, Caltrans will only review the final bridge plans.

TASK 9 – BRIDGE DESIGN INDEPENDENT CHECK

9.1 Independent Check

The 65% unchecked bridge plans shall be independently checked separately by a licensed bridge engineer, who has not been involved in the 65% design of the project. A separate set of structural calculations including quantity calculations shall be prepared in accordance with Caltrans bridge design practice. The checker shall review the plans for completeness, consistency, correctness of references. The bridge designer shall revise the design and plans to mitigate checker's review comments. The checker shall perform back check to concur that the comments have been adequately addressed. All comments and responses shall be documented in the project files.

9.2 Update Engineer's Estimate

All bridge quantities shall be independently checked and all issues raised by independent quantity checker(s) will be resolved prior to the submittal.

9.3 Draft Specifications

CONSULTANT shall prepare the Draft Specifications.

Deliverables: Independent Check Review Comments and Check Calculations, Comment and Response Matrix.

Assumptions:

Refer to Task 8 Assumptions.

TASK 10 – 95% STRUCTURES PS&E

10.1 Bridge Plans (95%)

Responses to all agencies' review comments for the 65% submittal shall be prepared and included in this submittal.

10.2 Engineer's Estimate

CONSULTANT shall prepare a list of Caltrans standard structure pay items for bridge construction. Design quantity calculations shall be performed using standard Caltrans and City forms and marginal cost estimate summary sheets. Item unit prices shall be adjusted using Contract Cost Data Book published by Caltrans. The structure plans and quantities shall be updated per checker's comments.

10.3 Update Specifications

CONSULTANT shall update the 65% comments and use Microsoft Word to prepare and edit Caltrans 2016 Standard Special Provisions (SSP) for structural work at 95% PS&E.

10.4 RE Pending Files

CONSULTANT shall prepare the necessary documentation required for the RE Pending Files prior to bid.

10.5 Final PS&E Submittals

CONSULTANT will submit the Final PS&E package to the City for final approval. The submittal will only incorporate all applicable previous comments, and no further agency review is anticipated. All required forms in the RTL Guide will be provided. Electronic copies will be included with the 100% submittal.

Deliverables: 95% Bridge Plans, Technical Specifications and Cost Estimate.

Assumptions:

Refer to Task 8 Assumptions.

TASK 11 – CONDITIONAL LETTER OF MAP REVISION (CLOMR)

11.1 Prepare CLOMR

CONSULTANT shall prepare a Conditional Letter of Map Revision (CLOMR) in support of the Temescal Wash & Bridge improvements for submittal to the City, RCFCD, and FEMA for review and approval.

11.2 Regulatory Coordination

CONSULTANT will coordinate with regulatory agencies, as needed, in preparation and support of the CLOMR.

Deliverables: Conditional Letter of Map Revision (CLOMR).

Assumptions:

A period of one (1) year monitoring after construction will be provided.

TASK 12 – RIGHT-OF-WAY SERVICE

12.1 Prepare ROW Requirements Map

CONSULTANT shall update the ROW Constraints Map.

12.2 Prepare Legal Descriptions & Plats

CONSULTANT shall prepare the Legal descriptions and Plats. The current ROW lists a total of nine (9) assessor parcels affected by the project footprint. The legal description and plat needed are as follows:

- four (4) temporary construction easements,
- seven (7) permanent easements,
- six (6) roadway easements,
- eight (8) conservation easements.

CONSULTANT shall provide legal descriptions and plats utilizing the updated preliminary title, CONSULTANT's surveyor shall review and verify parcel and right-of-way data for the affected parcels. The Legal Descriptions and Plats shall be modified to reflect the final design plans.

12.3 Right-of-Way Appraisals

CONSULTANT shall be familiar with the project and shall have a complete understanding of the project's requirements to ultimately obtain a project certification from Caltrans. The project is comprised of Nine (9) assessor parcels with various rights needed from the different parcels.

12.4 Right-of-Way Appraisal Reviews

Appraisal and Appraisal Review Services: A maximum of Twenty-five (25) Appraisals and Twenty five (25) Appraisal Reviews. CONSULTANT shall be responsible for the following:

- CONSULTANT shall mail a notification letter and acquisition policies brochure to the property owner requesting permission to conduct an on-site inspection of the property, advising them of their right to accompany the appraiser at the time of the inspection, and requesting information regarding the property appraised which could influence the appraised value.
- Appraiser shall review title information pertaining to respective ownerships and shall review drawings and other pertinent information relative to the parcel.
- Appraiser shall inspect each property personally with the owner (if possible) and document the inspection with photographs for use in the report.
- Appraiser shall inventory all improvements affected by the proposed taking,
- Appraiser shall perform market research to support the selected appraisal methodologies and shall document and confirm comparable sales information.
- Appraiser shall prepare a narrative appraisal report that conforms to the Uniform Standards of Professional Appraisal Practice (USPAP). The appraisal study and report are intended to serve as an acquisition appraisal and shall be prepared in a summary format consistent with the specifications for narrative appraisal reports.

- Upon completion of the fee appraisal, CONSULTANT shall conduct a formal review by an independent appraiser in accordance with federal regulations and Caltrans procedures manual.

CONSULTANT shall receive and analyze the completed appraisal reports accordingly.

12.5 Right-of-Way Settlement/Prepare Acquisition Documents

- CONSULTANT shall establish and maintain a complete and current record file of all ownerships in a form acceptable to the City.
- CONSULTANT shall receive and analyze title information, approved appraisal reports, and legal descriptions in sufficient detail to negotiate with property owners and other parties.
- CONSULTANT shall prepare all offer letters, summary statements, and lists of compensable items of fixtures and equipment, in accordance with state or federal regulations and the approval of the City.
- CONSULTANT shall present written purchase offers to owners or their representatives in person, when possible.
- CONSULTANT shall follow-up and negotiate with each property owners, as necessary; prepare and submit recommended settlement justifications to City for review and approval; review any independent appraisal secured by property owner
- CONSULTANT shall prepare and assemble acquisition contracts, deeds, and related acquisition documents required for the acquisition of necessary property interests.
- CONSULTANT shall transmit executed acquisition documents to the City. Each transmittal package shall include a fully executed and properly notarized deed(s), fully executed acquisition contract with attachments, and a brief settlement memorandum which summarizes the pertinent data relative to the transaction.

12.6 Title Escrow Coordination

- CONSULTANT shall open escrow and coordinate execution of closing instructions providing for title insurance coverage at the settlement amount.
- CONSULTANT work in conjunction with escrow officer to facilitate the clearance of title matters as set forth in the settlement memorandum and escrow instructions.
- CONSULTANT shall coordinate deposit of acquisition price and estimated closing costs with escrow.
- After the closing, CONSULTANT shall review the title insurance policy for accuracy. CONSULTANT shall also prepare and mail a letter to County Assessor requesting cancellation of taxes if appropriate.

12.7 Caltrans Right-of-Way Certification Oversight Coordination

- CONSULTANT shall attend certification planning meeting with City's project team, as necessary.
- CONSULTANT shall prepare real estate components of Right-of-Way data sheet and provide current and escalated costs for acquisition and relocation, incorporate engineers' construction and utility information as provided to the R/W CONSULTANT.
- CONSULTANT shall verify appraisal maps/Right-of-Way maps and legal descriptions are all properly identified and prepared in conformance with approved right-of- way numbering system.
- If applicable, CONSULTANT shall oversee utility relocation activities as required for completion of certification form including compiling utility notices and submittal of hi-low risk utility sheet prepared by engineers for Right-of- Way Local Assistance Coordinator review.

- CONSULTANT shall verify that all interests necessary for the project have been secured in compliance with all applicable law and regulations.
- CONSULTANT shall prepare certification forms, in coordination with the engineer and the City, to include the compilation of all necessary back-up documents required including deed, final order of condemnation, access easements, cooperative agreements, permits, right of entries, etc.
- CONSULTANT shall attend and coordinate pre and post-audit submittal meetings.

Deliverables: Monthly Status Reports, Preliminary Title Reports, Notices of Decision to Appraise, Appraisal Reports, Appraisal Review Reports, Acquisition documents and case files, Caltrans Right-of- Way Certification Form, Request for Authorization to proceed with R/W acquisition and Utility Relocation.

Assumptions:

1. ***Nine (9) Parcels are assumed to be acquired.***

<i>Parcel No.</i>	<i>Riverside County APN</i>
<i>1</i>	<i>390-130-015</i>
<i>2</i>	<i>390-130-016</i>
<i>3</i>	<i>390-200-003</i>
<i>4</i>	<i>390-200-004</i>
<i>5</i>	<i>390-200-007</i>
<i>6</i>	<i>390-200-010</i>
<i>7</i>	<i>390-200-012</i>
<i>8</i>	<i>390-200-017</i>
<i>9</i>	<i>390-200-018</i>

TASK 13 – HABITAT MITIGATION AND MONITORING PLAN

13.1 Habitat Mitigation and Monitoring Plan (HMMP)

CONSULTANT shall develop, through coordination with the PDT team, the California Department of Transportation (Caltrans), the California Department of Fish and Wildlife (CDFW), and a third-party management entity (if necessary), a Habitat Mitigation and Monitoring Plan (HMMP) that details the creation/restoration/enhancement, as appropriate based on the project impacts and based on the approved DBESP report. The HMMP shall detail the vegetative conditions, including plant palettes, percent coverage, and other pertinent success criteria that must be met along with a 5-year mitigation monitoring program that will measure progress of the site in meeting the 5-year success criteria. The HMMP shall be a single document that provides all the necessary information to document what and how the mitigation will be implemented.

13.2 Planting Plans

CONSULTANT shall develop Planting Plans for up to 6.8 acres based upon, and through coordination with, 8.1 above.

TASK 13 – Additional Scope Added

13.3 Temporary Irrigation Plans

CONSULTANT shall add temporary irrigation for the mitigation planting area up to 6.8 acres of vegetation.

Deliverables: HMMP document, Permit Applications, Planting Plans.

TASK 14 – PERMITS

14.1-14.3 CDFW 1602 Streambed Alteration Agreement, USACE Section 404 Nationwide Permit, and RWQCB Section 401 Water Quality Certification

TASK 14 – Additional Scope Added

14.4 DBESP Revisions & Recirculation

The DBESP has been revised by LSA and is currently being reviewed by the California Department of Fish and Wildlife (CDFW) and US Fish and Wildlife Service (FWS). It is assumed there will be up to two (2) additional revisions to the DBESP that will require the DBESP to be recirculated to the resource agencies through the Riverside Conservation Authority who administer the Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The comments on the DBESP by CDFW and FWS Service will be responded to by LSA in tabular format and also within the DBESP document. LSA assumes there will be two (2) rounds of review and comments by the resource agencies. Additional rounds of review and comments by the resource agencies will require a budget augment. LSA will provide the revised document by electronic format either by CD-ROM or flashdrive in PDF and Word format for resource agencies review and comment. LSA has assumed 10 electronic versions and two hard copies of the revised DBESP to be submitted to the Riverside Conservation Authority for distribution. Additional copies will be billed as a direct cost item.

Deliverables: Required Permits (1602, 404, & 401), Update, Revise and Recirculate the DBESP.

Assumptions:

The following permits will be needed from Regulatory Agencies

- 1. ACOE Section 404 Nationwide Permit***
- 2. RWQCB Section 401 Water Quality Certification***
- 3. CDFW 1600 Streambed Alteration Agreement.***

TASK 15 – ENVIRONMENTAL REVALIDATIONS

15.1 Environmental Revalidation

CONSULTANT shall prepare the Caltrans Environmental Revalidation form (LAPM Exhibit 6-G) up to three times when the project moves to a new phase. It is assumed that the project and setting/circumstances will not have changed and that no analysis or evaluations will need to be conducted. The form shall simply document that nothing regarding the project or setting/circumstances has changed. If anything changes related to the project that require that analyses or evaluations be conducted to support the Revalidation, then a scope and cost shall be provided for review/approval prior to conducting that work.

Deliverables: LAPM Exhibit 6-G.

TASK 16 – WQMP & SWPPP

16.1-16.2 Water Quality Management Plan, Storm Water Pollution Prevention Plan

CONSULTANT shall prepare the Final WQMP and SWPPP in accordance with the Santa Ana Regional Water Quality Control Board and Caltrans Design Guidelines. The CONSULTANT shall submit/file the final reviewed/approved SWPPP on behalf of the City to Regional Water Quality Control Board.

Deliverables: Final WQMP, SWPPP, and NOI.

TASK 17 – CONSTRUCTION SUPPORT

17.1 Pre-Construction Support

17.1-1 Attend Pre-Bid Meeting

CONSULTANT shall remain available to attend a pre-bid meeting to be scheduled in advance of the bid opening date. CONSULTANT shall answer bidders' questions regarding the contract bid documents and prepare bid addenda, if required. CONSULTANT shall perform bid review and analysis, if required.

17.1-1 Respond to Request for Information (RFI)

CONSULTANT shall answer questions (Request for Information [RFI]) regarding the Technical Provisions, the design drawings or conflicts in the design during the bidding process. The CONSULTANT shall assist the City in preparation of Addenda regarding omissions or conflicts in the design.

Assumptions:

Attendance at a pre-bid meeting by the CONSULTANT including CONSULTANT biologist.

17.2 Construction Support

17.2.1 Review Submittals

CONSULTANT shall attend a pre-construction meeting as directed by the City. CONSULTANT shall review shop drawings and submittals for conformance with the contract plans and specifications,

and make recommendations for acceptance, denial or re-submittal within reasonable time of receipt.

17.2.2 Respond to RFI

CONSULTANT shall provide response to contractor's requests for information (RFI's) about the contract plans and specifications forwarded to CONSULTANT by the City within reasonable time of receipt. Upon written authorization from the City, CONSULTANT shall provide engineering design services for revisions to construction documents resulting from changed field or unforeseen conditions or other change order work required due to actions of the City. Subsequent change order documentation and processing shall be prepared by the City's Resident Engineer.

CONSULTANT shall perform up to twelve (12) site visits during the construction as requested by the City.

17.3 Environmental Support

17.3.1: Pre-Construction Nesting Bird Surveys

Requirements. One pre-construction nesting bird survey is required prior to any ground disturbance, vegetation grubbing, and construction. If active nests are found, then the contractor will install a 500-foot buffer during breeding season. Any additional services for monitoring active nests are not part of this scope of work. The LSA biologist can prepare a change order for additional required surveys and monitoring upon City request.

Deliverables. A pre-construction nesting bird survey report including any required avoidance and minimization measures, agency consultations, and mitigation instructions will be submitted to the City.

Schedule. The pre-construction nesting bird survey will be conducted three (3) days prior to any ground disturbance, vegetation grubbing, and construction. The pre-construction nesting bird survey report will be submitted to the City within 3 days of completion of the site visit/survey.

The CONSULTANT Biologist shall monitor construction for the duration of the construction to ensure that vegetation removal, BMPs, and all avoidance and minimization measures are properly followed.

17.3.2: Attend a Pre-construction Site Meeting

The CONSULTANT biologist will attend a pre-construction site meeting with the contractor and the engineer to discuss environmental regulations and mitigations. The CONSULTANT biologist will also explain what is expected of the contractor and the limitation to grading and construction.

17.3.3: Biological Monitoring During Construction

CONSULTANT biologists to monitor to observe, document, and report the status of vegetation removal and the implementation of best management practices and avoidance and minimization measures. Biological monitoring will also be required during vegetation removal. Biological monitors are required to inspect construction limit fencing, active nest and burrow buffers, check

equipment and staging areas for hazardous materials on the ground, monitor site weed control, and be aware of potential or existing erosion.

Deliverables. Weekly construction monitoring reports and site visit reports to be provided to the contractor and the City.

Schedule. The grubbing stage of construction is typically two weeks of full-time daily monitoring. Twelve site visits by one biologist will be provided during the 20-month construction phase of the project (June 2020 through October 2022).

CONSULTANT shall perform up to twelve (12) site visits during the construction as requested by the City.

TASK 17 – Additional Scope Added

17.4 Develop As-built Plans

Following the completion and acceptance of the project, CONSULTANT shall furnish the City with a complete set of revised contract drawings showing as-built conditions. Revisions shall be solely based on as-built redlined information provided by the City. The as-built plans shall be delivered to the City within two months of receipt of redlined plans.

17.5 One (1)-Year Monitoring of Planting after Construction

LSA field biologist will monitor the 6.8-acre revegetated area every day for the first two (2) weeks after the planting is complete to ensure the plants are surviving and receiving enough water. This will be followed by six (6) months of monitoring at a bi-weekly basis. After 6 months the site will be monitored quarterly up to one year. After the end of the one (1) year monitoring period a brief report will be prepared outlining the rate of success of the plants. It is assumed this report will be submitted to the CDFW for filing.

17.6 Pre-Construction Burrowing Owl Surveys

A qualified LSA biologist will survey the construction area prior to vegetation removal or ground disturbance activities for burrowing owls in accordance to MSHCP requirements. The clearance surveys will be conducted 14 days and also 24 hours prior to ground disturbance (2 surveys). If burrowing owls are found onsite during the surveys, CDFW will be contacted. If no burrowing owls are found, no additional action is required.

17.7 Letter of Map Revision (LOMR)

Following the completion of the project, CONSULTANT shall prepare a Letter of Map Revision (LOMR) in support of the Bridge & Wash improvements for submittal to the City, RCFC and FEMA. This scope includes revision to the submitted LOMR based on FEMA's review comments necessary to obtain final approval from FEMA.

Deliverables: Letter of Map Revision (LOMR).

Assumptions:

A period of one (1) year monitoring after construction will be provided.

17.6 Pre-Construction Bat Surveys

LSA's bat specialist will perform a preconstruction bat habitat survey to determine whether any structures or any trees within the project area and a 500-foot buffer are occupied by roosting bats. This preconstruction bat habitat survey will include an afternoon inspection of any structures and trees followed by a nighttime emergence survey in which the area will be monitored for bat activity by observers (LSA's bat specialist and another biologist with experience performing bat surveys) using acoustic equipment to record bat echolocation calls for later identification. Following the completion of the habitat assessment and nighttime survey, LSA will analyze any acoustic data collected during the survey and prepare a brief memorandum summarizing the survey results; this plan will include recommended measures to address existing mitigation and minimization measures as well as to minimize impacts to bats to the greatest extent feasible.

Assumptions:

The scope of work assumes there will be one series of surveys prior to construction.

EXHIBIT A-1
WKE TEAM SUMMARY
Final PS&E

TASK	DESCRIPTION	WKE		LSA		West		EMI (DBE)		Gaida		LIN(DBE)		TAT(DBE)		EPIC		TOTALS	
Task 1 - Project Management		347	80,405	143	26,188	14	2,610	20	3,158	13	2,621	7	1,338	78	9,631	91	11,929	713	137,879
1.1	Administration and Management	92	21,216	70	13,390	0	0	0	0	0	0	0	0	0	0	0	0	162	34,606
1.2	Project Team Meetings	192	45,744	73	12,798	14	2,610	20	3,158	13	2,621	7	1,338	78	9,631	91	11,929	488	89,828
1.3	Schedule	0	5,332	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	5,332
1.4	Establish QC Program	20	3,938	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3,938
1.5	HBP Request For Authorization	25	4,174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	4,174
TASK 2 - Surveying and Topographic Mapping		55	7,224	0	0	0	0	0	0	412	59,081	0	0	0	0	0	0	467	66,306
2.1	Topographic Surveys and Mapping (Wash and Temescal Cyn R	0	0	0	0	0	0	0	0	104	15,768	0	0	0	0	0	0	104	15,768
2.2	HEC-RAS Model Survey and Mapping	55	7,224	0	0	0	0	0	0	34	5,065	0	0	0	0	0	0	89	12,289
2.3	As Needed Miscellaneous Survey and Mapping	0	0	0	0	0	0	0	0	34	5,065	0	0	0	0	0	0	34	5,065
2.4	Prepare Landnet Base Map (22 Legal Descriptions & Plats)	0	0	0	0	0	0	0	0	119	17,303	0	0	0	0	0	0	119	17,303
2.5	Corner Record / Record of Survey	0	0	0	0	0	0	0	0	92	11,517	0	0	0	0	0	0	92	11,517
2.6	Tree Survey	0	0	0	0	0	0	0	0	29	4,364	0	0	0	0	0	0	29	4,364
TASK 3 - Geotechnical Investigations and Design Reports		30	4,408	232	33,552	0	0	582	79,238	31	4,778	0	0	0	0	0	0	875	121,976
3.1	Preliminary Foundation Report	0	0	0	0	0	0	32	5,215	31	4,778	0	0	0	0	0	0	63	9,993
3.2	Foundation Report (FR) (Draft and Final)	14	1,975	0	0	0	0	164	23,529	0	0	0	0	0	0	0	0	178	25,504
3.3	Geotechnical Design report (GDR)	14	1,975	0	0	0	0	90	13,090	0	0	0	0	0	0	0	0	104	15,065
3.4	Ground Water Monitoring Wells & Permitting	2	458	232	33,552	0	0	296	37,404	0	0	0	0	0	0	0	0	530	71,414
TASK 4 - Utilities Coordination		248	33,148	0	0	0	0	0	0	0	0	0	0	0	0	225	24,187	473	57,335
4.1	Reports of Investigation	18	2,504	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	2,504
4.2	Notice to Owner	26	3,527	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3,527
4.3	Utility Relocation Plan & Protection Plan	204	27,118	0	0	0	0	0	0	0	0	0	0	0	0	225	24,187	429	51,305
4.4	Utility Agreements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TASK 5 - Utility Potholing		26	4,472	0	0	0	0	0	0	35	5,302	0	0	0	0	30	3,434	91	13,207
5.1	Pot Hole Workplan	2	458	0	0	0	0	0	0	0	0	0	0	0	0	30	3,434	32	3,891
5.2	Field Work	0	0	0	0	0	0	0	0	35	5,302	0	0	0	0	0	0	35	5,302
5.3	Test Hole Mapping & Report	24	4,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	4,014
Task 6 - Civil Roadway PS&E		1,815	229,630	0	0	0	0	0	0	0	0	46	6,085	350	38,692	0	0	2,211	274,407
6.0	Constructability Workshop																		
6.0.1	Update Bridge Type, and Roadway Geometry	202	32,556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	202	32,556
6.0.2	Constructability Workshop with City	28	6,154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	6,154
6.1	Draft Roadway Plans (65%)																		
6.1.1	Layout & Profile, Typical	186	22,451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	22,451
6.1.2	Signing & Striping	162	19,165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162	19,165
6.1.3	Construction Details	121	14,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	14,326
6.1.3a	Roadway Removals	76	9,452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	9,452
6.1.4	Grading	82	9,468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	9,468
6.1.4	Water Pollution Control Plans	38	4,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	4,500
6.1.5	Erosion Control	43	5,214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	5,214
6.1.6	Grading Plans	42	5,114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	5,114
6.1.7	Drainage Plans	132	16,751	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	16,751
6.1.8	Electrical Plans	0	0	0	0	0	0	0	0	0	0	25	3,276	0	0	0	0	25	3,276
6.1.9	Landscaping Plans	0	0	0	0	0	0	0	0	0	0	187	20,798	0	0	0	0	187	20,798
6.1.10	Traffic Control Plans / TMP	93	11,679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	11,679
6.1.11	Draft Special Provisions	151	18,096	0	0	0	0	0	0	0	0	0	12	1,432	0	0	0	163	19,527
6.1.12	Update Quantity and Cost Estimates	23	2,925	0	0	0	0	0	0	0	0	4	481	45	4,958	0	0	72	8,365
6.2	95% Plans	303	36,508	0	0	0	0	0	0	0	0	13	1,740	74	7,910	0	0	390	46,157
6.3	100 % Plans	133	15,271	0	0	0	0	0	0	0	0	4	588	32	3,594	0	0	169	19,452
Task 7 - Temescal Wash Improvement Plans		200	24,383	0	0	326	44,703	16	1,956	0	0	0	0	0	0	0	0	542	71,041
7.1	Hydraulic Report (Draft & Final)	0	0	0	0	196	24,043	0	0	0	0	0	0	0	0	0	0	196	24,043
7.1a	Sediment Transport Study	6	1,310	0	0	130	20,660	16	1,956	0	0	0	0	0	0	0	0	152	23,926
7.2	65% Channel Improvement Plans	118	13,130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	13,130
7.3	95% Channel Improvement Plans	47	6,102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	6,102
7.4	100% Channel Improvement Plans	29	3,839	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	3,839
Task 8 - 65% Unchecked Structure Plans		1,410	181,678	0	0	0	0	32	4,358	0	0	30	4,038	121	13,466	0	0	1,593	203,539
8.1	65% Bridge Plans	1,320	170,108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,320	170,108
8.2	65% Bridge Aesthetic Plans	0	0	0	0	0	0	0	0	0	0	0	0	121	13,466	0	0	121	13,466
8.3	65% Bridge Lighting Plans	0	0	0	0	0	0	0	0	0	0	26	3,556	0	0	0	0	26	3,556
8.4	65% Log of Test Borings	0	0	0	0	0	0	32	4,358	0	0	0	0	0	0	0	0	32	4,358
8.5	Prepare Draft Engineers Estimate	90	11,570	0	0	0	0	0	0	0	0	4	481	0	0	0	0	94	12,051
Task 9 - Bridge Design Independent Check		449	57,846	0	0	0	0	0	0	0	0	6	951	0	0	0	0	455	58,797
9.1	Independent Check	270	34,798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	34,798
9.2	Update Engineers Estimate	67	8,571	0	0	0	0	0	0	0	0	3	384	0	0	0	0	70	8,955
9.3	Draft Specifications	112	14,478	0	0	0	0	0	0	0	0	3	567	0	0	0	0	115	15,045
Task 10 - 95% Structure PS&E		379	48,828	0	0	0	0	13	1,696	0	0	19	2,706	86	9,844	0	0	497	63,073
10.1	95% Bridge Plans	179	23,049	0	0	0	0	13	1,696	0	0	11	1,453	54	6,250	0	0	257	32,448
10.2	Engineers Estimate	33	4,215	0	0	0	0	0	0	0	0	1	189	0	0	0	0	34	4,404
10.3	Update Specifications	45	5,870	0	0	0	0	0	0	0	0	1	189	0	0	0	0	46	6,059
10.4	RE Pending Files	10	1,216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1,216
10.5	Final PS&E Submittals	112	14,478	0	0	0	0	0	0	0	0	6	874	32	3,594	0	0	150	18,946
Task 11 - Conditional Letter of Map Revision		10	1,618	0	0	142	18,729	0	0	0	0	0	0	0	0	0	0	152	20,347
11.1	Prepare CLOMR	10	1,618	0	0	130	16,480	0	0	0	0	0	0	0	0	0	0	140	18,099

EXHIBIT A-1
WKE TEAM SUMMARY
Final PS&E
Temescal Canyon Bridge over Temescal Wash Replacement
City of Lake Elsinore

TASK	DESCRIPTION	WKE		LSA		West		EMI (DBE)		Guida		LIN(DBE)		TAT(DBE)		EPIC		TOTALS	
11.2	Regulatory Coordination	0	0	0	0	12	2,249	0	0	0	0	0	0	0	0	0	0	12	2,249
Task 12	Right of Way Service	66	9,170	0	0	0	0	0	0	200	30,427	0	0	0	0	252	29,408	518	69,004
12.1	Prepare ROW Requirements Map	58	6,787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	6,787
12.2	Prepare Legal Descriptions & Plats	2	596	0	0	0	0	0	0	200	30,427	0	0	0	0	0	0	202	31,022
12.3	Right-of-Way Appraisals	4	1,191	0	0	0	0	0	0	0	0	0	0	0	0	16	3,170	20	4,361
12.4	Right-of-Way Appraisal Reviews	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	6,021	44	6,021
12.5	Right of Way Settlement/Prepare Acquisition Documents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	14,023	132	14,023
12.6	Title Escrow Coordination	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1,298	15	1,298
12.7	Caltrans Right-of-Way Certification Oversight Coordination	2	596	0	0	0	0	0	0	0	0	0	0	0	0	45	4,896	47	5,491
Task 13	Habitat Mitigation and Monitoring Plan	20	5,955	340	48,746	0	0	0	0	0	0	0	0	280	30,942	0	0	640	85,643
13.1	Habitat Mitigation and Monitoring Plan (HMMMP)	16	4,764	340	48,746	0	0	0	0	0	0	0	0	0	0	0	0	356	53,510
13.2	Planting Plans	4	1,191	0	0	0	0	0	0	0	0	0	0	123	13,531	0	0	127	14,722
13.3	Temporary Irrigation Plans	0	0	0	0	0	0	0	0	0	0	0	0	157	17,412	0	0	157	17,412
Task 14	Permits	60	9,711	348	53,447	0	0	0	0	0	0	0	0	0	0	0	0	408	63,158
14.1	CDFW 1600 Streambed Alteration Agreement	16	2,725	72	10,501	0	0	0	0	0	0	0	0	0	0	0	0	88	13,227
14.2	ACOE Section 404 Nationwide Permit	20	3,237	44	6,542	0	0	0	0	0	0	0	0	0	0	0	0	64	9,779
14.3	RWQCB Section 401 Water Quality Certification	24	3,748	44	6,542	0	0	0	0	0	0	0	0	0	0	0	0	68	10,291
14.4	DBESP Revisions & Reirculation	0	0	188	29,861	0	0	0	0	0	0	0	0	0	0	0	0	188	29,861
Task 15	Environmental Revalidations	90	13,207	47	5,836	0	0	0	0	0	0	0	0	0	0	0	0	137	19,043
15.1	Environmental Revalidation	90	13,207	47	5,836	0	0	0	0	0	0	0	0	0	0	0	0	137	19,043
Task 16	WQMP & SWPP	264	29,417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264	29,417
16.1	Water Quality Management Plan	156	17,461	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156	17,461
16.2	Storm Water Pollution Prevention Plan	108	11,956	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	11,956
Task 17	Construction Support	182	31,125	547	75,886	63	8,651	34	5,240	0	0	45	5,774	64	7,679	0	0	935	134,354
17.1	Pre-Construction Support																		
17.1.1	Attend Pre-Bid Meeting	4	1,191	12	2,082	0	0	0	0	0	0	4	756	4	521	0	0	24	4,550
17.1.2	Respond to RFI	18	3,449	0	0	0	0	0	0	0	0	0	0	18	2,147	0	0	36	5,597
17.2	Construction Support																		
17.2.1	Review Submittals	36	6,292	0	0	0	0	0	0	0	0	41	5,018	20	2,408	0	0	97	13,719
17.2.2	Respond to RFI	72	13,540	0	0	0	0	34	5,240	0	0	0	0	22	2,603	0	0	128	21,383
17.3	Environmental Support	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.3.1	On-Site Pre-construction Meeting	0	0	24	3,426	0	0	0	0	0	0	0	0	0	0	0	0	24	3,426
17.3.2	Nesting Bird Surveys	0	0	66	9,176	0	0	0	0	0	0	0	0	0	0	0	0	66	9,176
17.3.3	Construction Monitoring (12-weeks)	0	0	292	41,190	0	0	0	0	0	0	0	0	0	0	0	0	292	41,190
17.4	Develop As-Built Plans	46	5,546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	5,546
17.5	1 Year Monitoring of Planting After Construction	0	0	68	9,084	0	0	0	0	0	0	0	0	0	0	0	0	68	9,084
17.6	Pre-Construction Burrowing Owl Surveys	1	298	48	6,976	0	0	0	0	0	0	0	0	0	0	0	0	49	7,274
17.7	LOMR	5	809	0	0	63	8,651	0	0	0	0	0	0	0	0	0	0	68	9,460
17.8	Pre-Construction Bat Survey	0	0	37	3,952	0	0	0	0	0	0	0	0	0	0	0	0	37	3,952
OTHER DIRECT COST			4,826		50,410		15,038		37,656		1,500		434		295		42,550		152,709
	Travel		1,768		3,500		64		3,379		0		214		295		1,001		10,220
	Reproductions		2,234		1,000		66		0		0		60		0		0		3,360
	Mail		825		300		108		0		0		160		0		400		1,793
	Drilling Rig Rental		0		0		0		16,781		0		0		0		0		16,781
	Drums, Soil Disposal, Lift-gate Truck		0		0		0		4,890		0		0		0		0		4,890
	County of Riverside DEH Well Permit		0		0		0		866		0		0		0		0		866
	Drill Rig Rental and Supplies, Groundwater Monitoring Wells		0		0		0		9,240		0		0		0		0		9,240
	Water Quality Testing (Group Delta)		0		16,905		0		0		0		0		0		0		16,905
	Appraisal Reports		0		0		0		0		0		0		0		17,499		17,499
	Records Search		0		0		300		0		0		0		0		550		550
	Title Reports		0		0		0		0		0		0		0		5,400		5,400
	Permit Fees		0		27,930		14,500		2,500		0		0		0		0		44,930
	Drone		0		400		0		0		1,500		0		0		0		1,900
	GPS		0		375		0		0		0		0		0		0		375
	Potholing		0		0		0		0		0		0		0		18,000		18,000
Exhibit 10-H Rounding Adjustment			6		2		1		1		-1		0		1		0		10
TOTAL		5,651	777,058	1,657	294,067	545	89,731	697	133,302	691	103,707	153	21,326	979	110,550	598	111,507	10,971	1,641,248