

**SEVENTH AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT  
BETWEEN THE CITY OF COACHELLA  
AND ANGENIOUS ENGINEERING SERVICES, INC.**

**THIS SEVENTH AMENDMENT** ("Amendment") is made and entered into as of September 21<sup>st</sup> 2026 by and between the City of Coachella ("City") and Angenious Engineering Services, Inc. ("Consultant"). In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

**1. RECITALS.** This Amendment is made with the respect to the following facts and purposes:

- a. On or about November 27<sup>th</sup>, 2019 the City and Consultant entered into that certain agreement entitled "City of Coachella Professional Services Agreement" between the City and Consultant to provide engineering design, and other services for the Avenue 50 Bridge over the Whitewater Strom Channel, ST-69 & the SR-86/Avenue 50 New Interchange, ST-81 projects in the amount of \$148,000.
- b. On or about October 14<sup>th</sup>, 2020 the City and Consultant entered into the "First Amendment" to the agreement between the City and Consultant in the amount of \$15,000.00.
- c. On or about June 21<sup>st</sup>, 2021 the City and Consultant entered into the "Second Amendment" to the agreement between the City and Consultant in the amount of \$3,260,088.40.
- d. On or about November 8<sup>th</sup>, 2023 the City and Consultant entered into the "Third Amendment" to the agreement between the City and Consultant in the amount of \$99,027.50.
- e. On or about November 13<sup>th</sup>, 2024 the City and Consultant entered into the "Fourth Amendment" to the agreement between the City and Consultant in the amount of \$121,000.76.
- f. On or about October 22<sup>nd</sup>, 2025 the City and Consultant entered into the "Fifth Amendment" to the agreement between the City and Consultant in the amount of \$500,000.00.
- g. On or about March 11<sup>th</sup>, 2026 the City and Consultant entered into the "Sixth Amendment" to the agreement between the City and Consultant in the amount of \$358,220.43.
- h. The parties now desire to amend the Agreement as set forth in this Amendment.

## 2. AMENDMENT.

3.1 General Scope of Services. Section 3.1.1 of the Agreement is hereby amended to include the additional Scope of Services to be performed for the Avenue 50 Bridget Over Coachella Valley Strom Water Channel – extra work and Construction Support under this Amendment No. 7 referenced as EXHBIIT “A”.

3.2 Performance Period. Section 3.1.2 of the Agreement is hereby amended to go into effect on September 21<sup>st</sup>, 2026 contingent upon approval by City, and Consultant shall commence work after notification to proceed by City’s Agreement Administrator. The Agreement shall end on September 30<sup>th</sup>, 2029, unless extended by Agreement Amendment.

3.3 Allowable Costs and Payments. Section 3.3.1 of the Agreement is hereby amended to increase the compensation, including authorized reimbursements, for all services rendered under this Agreement as set forth in EXHIBIT “B” attached hereto and incorporated herein by reference.

The method of payment in Sections 3.3.1.A and B of the Agreement are hereby amended to actual cost plus a ten percent (10%) fixed fee. City will reimburse Consultant for actual costs (including labor costs, employee benefits, travel, equipment rental costs, overhead and other direct costs; plus ten percent fixed fee) incurred by Consultant in performance of the work. The total authorized compensation for the Amendment No. 7 is in the amount not to exceed Seven Million Nine Hundred Seventy Thousand Six Hundred Forty-One Dollars and Zero Cents (\$7,970,641.00).

The amended total compensation shall not exceed **Twelve Million Four Hundred Seventy-One Thousand Eight Hundred Ninety-Eight Dollars and Nine Cents (\$12,471,898.09)** without written approval of the City’s representative. Extra Work may be authorized, as described below, and if authorized, will be compensated at the rates and manner set forth in this agreement.

- 3.4 Continuing Effect of Agreement. Except as amended by this Amendment, all provisions of the Agreement shall remain unchanged and in full force and effect. From and after the date of this Amendment, **whenever** the term "Agreement" appears in the Agreement, it shall mean the Agreement as amended by this Amendment.
- 3.5 Adequate Consideration. The parties hereto irrevocably stipulate and agree that they have each received adequate and independent consideration for the performance of the obligations they have undertaken pursuant to this Amendment.

3.6 Counterparts. This Amendment may be executed in duplicate originals, each of which is deemed to be an original, but when taken together shall constitute but one and the same instrument.

IN WITNESS THEREOF, the parties have executed this Amendment as of the day and year first set forth above, which date shall be considered by the parties to be the effective date of this Amendment.

CITY OF COACHELLA

ANGENIOUS ENGINEERING SERVICES, INC.

**Approved by:**

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Gustavo Romo  
City Manager

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Andy Cheah  
Principal/ Project Manager

**Approved as to Form:**

BEST, BEST & KRIEGER

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Ryan Guiboa  
City Attorney

**Attest:**

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Angela Zepeda  
City Clerk

September 15, 2026

Mr. Andrew Simmons  
Public Works Director/City Engineer  
City of Coachella  
53-990 Enterprise Way,  
Coachella, CA 92236

RE: **Avenue 50 Bridge Over Coachella Valley Storm Water Channel, ST-69  
Professional Services Agreement (PSA) Amendment Request for Construction Management,  
including Material Testing and Construction Survey Staking Services**

Dear Mr. Simmons:

We sincerely appreciate the City's confidence in our firm and the opportunity to serve as the City's trusted partner in providing Construction Management (CM), Material Testing, and Construction Survey Staking Services. We are honored to have been entrusted with this important assignment and to provide these services consistent with the scope, requirements, and expectations established in the City's original Request for Proposal.

Our CM scope will provide comprehensive project oversight and administration throughout construction, including coordination with the Caltrans Local Assistance Unit, City, contractor, design team, and other project stakeholders; construction inspection and observation; contract administration consistent with Caltrans procedures; review of submittals, RFIs, schedules, and payment applications; project documentation; quality assurance; and support in resolving construction-related issues. Our services will help maintain effective communication and coordination among the project team and facilitate the successful, timely, and compliant delivery of the project. The detailed CM scope of services is hereby incorporated herein by reference as **Attachment "A."**

Our subconsultant, **Earth Systems Pacific, Inc.**, will provide the necessary material testing and related quality assurance services, including field and laboratory testing, to verify that construction materials and workmanship conform to the project plans and specifications, applicable standards, and contract requirements. These services will validate the contractor's quality control, document compliance, and provide the testing documentation necessary for project acceptance.

Our subconsultant, **Michael Baker International, Inc.**, will provide environmental permit compliance assistance, monitoring, and survey services to support the project's environmental permitting requirements. These services will include field monitoring and surveys to verify compliance with applicable environmental permit provisions and support the project team in meeting regulatory requirements throughout construction.

Our subconsultant, **NV5, Inc.**, will provide construction survey services to support the contractor's construction activities, including establishment and maintenance of accurate survey control, construction staking, layout, and related field surveying services. These services will provide the horizontal and vertical construction information necessary to support proper installation, alignment, elevations, and conformance with the project plans and specifications.

In addition to the CM services described above, our design team will remain actively engaged throughout the construction phase to provide ongoing engineering and design support to the CITY and Contractor. These services will assist in resolving design-related issues, interpreting contract documents, reviewing proposed

changes, and maintaining consistency with the approved project design. The detailed Design Support scope of services is hereby incorporated herein by reference as **Attachment "B."**

The primary focus of this continued support will be to facilitate timely construction progress while ensuring compliance with the approved plans and specifications, applicable City and Caltrans standards, permits, and other project requirements.

As detailed in the attached cost proposal spreadsheets, incorporated herein by reference as Attachment "C," Angenious and its subconsultants have provided a detailed, itemized breakdown of the additional construction-phase services required to support the expanded scope of work. The proposed costs are organized by specialty and task and identify the level of effort and corresponding fees associated with each component of the expanded scope, including allowances for as-needed engineering support services.

| Tasks                  | Amounts            |
|------------------------|--------------------|
| CM Services            | \$7,629,094        |
| Design Support Service | \$341,547          |
| <b>Total</b>           | <b>\$7,970,641</b> |

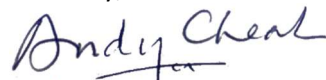
Accordingly, we are requesting a contract amendment in the amount of \$7,970,641, which would increase the previously authorized budget of \$4,501,257.09 to a revised total contract amount of **\$12,471,898.09**.

We recognize the importance of these services to the successful delivery of the project and the responsibility that comes with the City's trust. Our team is committed to providing the highest level of professionalism, technical expertise, responsiveness, and accountability throughout the project. We look forward to working collaboratively with the City and all project stakeholders to proactively manage construction, maintain quality and compliance, address issues efficiently, and support the timely and successful completion of the project.

We greatly value the opportunity to serve the City and look forward to building upon our strong and successful partnership throughout the duration of the project.

Thank you for your consideration. Please do not hesitate to contact me at (949) 599-5400 or via email at [Andy.Cheah@AnGenious-ES.com](mailto:Andy.Cheah@AnGenious-ES.com) should you have any questions or require additional information.

Sincerely,



Andy Cheah, PE  
Principal/ Project Manager

Attachments

C. File

# Attachment “A”

## Construction Management Services

### Scope of Services

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## **1. Construction Management General Services**

### **1.1. Consultant Project Management:**

CONSULTANT shall provide overall project management and administrative services throughout the project. The CM shall coordinate the activities and communications of the Caltrans, CITY, CVAG, CVWD, design team, contractors, subcontractors, and other project stakeholders to support timely and efficient project delivery.

The CM shall establish project management procedures consistent with Caltrans Construction Management Manual and portions of the Local Assistance Manual, communication protocols, document-control processes, meeting schedules, and reporting requirements. The CM shall coordinate and document project meetings, maintain action-item and project logs, and track outstanding issues through resolution.

The CM shall monitor overall project performance, including scope, schedule, cost, quality, and key project risks, and shall provide regular status updates to the CITY. The CM shall facilitate timely CITY decisions, coordinate responses to project issues, and escalate matters that may impact the project objectives.

The CM shall maintain organized project records, including correspondence, meeting minutes, RFIs, submittals, change documentation, schedules, reports, and other project-related information. The CM shall coordinate project closeout activities and ensure that required documentation and outstanding administrative items are completed prior to project turnover.

CONSULTANT will establish and apply internal accounting methods and procedures acceptable to the CITY for documenting and monitoring contract costs.

### **1.2. Sub-Consultant Management:**

CONSULTANT will coordinate and manage the utilization of sub-consultants for the CITY in order to comply with the terms of the contract documents and the requirements of regulatory agencies.

At the CITY's direction, CONSULTANT will negotiate and enter into sub-consultant agreements with select sub-consultants.

CONSULTANT will work with consultants contracted directly with the CITY. CONSULTANT will review and approve invoices provided by CITY consultants and forward said invoices to the CITY for processing and payment.

## **2. Pre-Construction Phase Services**

CONSULTANT shall provide specialized services during the project Pre-Construction phase, including the bidding periods of the project. These services are intended to involve the construction manager early in the project and to provide advanced planning for construction phase activities.

### **2.1. Constructability Review**

CONSULTANT will perform a constructability review of the project, analyzing the phasing and staging of project construction for conflicts and to minimize the disruption to traffic. Review of

the Project Plans (including construction notes), the Project Specifications, Estimates, applicable permits, and technical reports for the Project is required for a thorough understanding of the project. The CONSULTANT will also perform an Independent Quantity Take-off of the major items of work on the Project.

## **2.2. Pre-Construction Coordination**

The CONSULTANT will coordinate with other agencies, companies, local residents and the contractor to ensure that there are no delays to the start of construction. This will involve close coordination with utility companies to ensure that any relocation work done prior to construction is properly managed. Also, the CONSULTANT needs to assist the utility companies to plan any relocation work scheduled during construction. Once the low bid contractor is selected the CONSULTANT is to work closely with the construction team to ensure that they obtain all necessary approvals, permits, supplies, etc.

CONSULTANT will need to be aware of other public and private construction projects in the vicinity and ensure that there is close coordination between the projects.

## **2.3. Construction Management Plan**

CONSULTANT will develop a procedures manual that is usable for the construction project utilizing the **Caltrans Construction Management Manual** and portions of the **Local Assistance Manual**. The Manual will be a compilation of both manuals, using various parts from both manuals as appropriate and incorporating a section concerning emergencies. The CITY approved manual will be used by the CITY, as it deems appropriate.

## **2.4. Contract Bidding Support**

CONSULTANT will be available as needed to coordinate activities, review documents, provide recommendations and attend meetings during the Bid document preparation and Contract Bidding phase.

## **2.5. Local Assistance Documentation / Federal Contract Management Requirements**

CONSULTANT in conjunction with the CITY will review the Local Assistance Procedures Manual to insure that all contract administration procedures, documentations, and filing systems are in accordance with the Local assistance Procedures Manual.

The CITY and CONSULTANT will incorporate specific deliverables within the CONSULTANTs scope of services and designate the party or parties responsible.

## **2.6. Pre-construction Walk Through**

Prior to the issuance of a Notice to Proceed, CONSULTANT, the Contractor, utility company representatives, biologist, archaeologists, and CITY will walk the entire project and record existing conditions via a written log, still photographs, and videotape where required. CONSULTANT will provide copies of all documentation to the Contractor and the CITY. CONSULTANT will keep documentation originals in the project files until project completion.

### **3. Construction Management Services**

CONSULTANT, on behalf of the CITY, will provide construction management services for administration of the construction contract in conformance with the requirements set forth in the State's Construction Manual, State's Local Programs and Procedures Manual, State's Encroachment Permit and the CITY's requirements. Construction Management services will encompass the Quality Assurance and enforcement of all construction contract requirements. It can be expected that the contractor will be working on site 24 hours per day. CM services are to be provided to enforce construction contract requirements.

#### **3.1. Pre-construction Conferences**

CONSULTANT will schedule, prepare the agenda, chair and take minutes of the pre-construction meeting. The meeting will outline project specifics and inform the Contractor of project administration procedures.

#### **3.2. Communications and Correspondence**

CONSULTANT will obtain all pertinent information as required to develop a project directory of all key personnel and stakeholders working on the project. CONSULTANT will develop a graphic chart indicating the proper flow of correspondence. CONSULTANT will log all information received from the Contractor and others. Lastly, CONSULTANT will prepare and/or forward appropriate responses, obtaining CITY approval when required.

#### **3.3. Project Changes and Construction Change Order Management**

CONSULTANT will review potential changes to the project for contractual and technical merit, prepare independent cost estimates and schedule analysis of work, discuss proposed changes with CITY, and negotiate change order costs with the Contractor. CONSULTANT will prepare change orders with all required support documentation for execution by the CITY. CONSULTANT will keep the CITY apprised of cumulative changes in project cost and project duration.

CONSULTANT will negotiate change orders on behalf of the CITY and will use the following approach in assisting & coordinating the process with the CITY:

#### **3.4. Schedule Monitoring**

CONSULTANT will develop procedures, using available software, to review the Contractor's monthly schedule updates for logic, duration, and resource changes. CONSULTANT will notify the Contractor of discovered changes and document the Contractor's response, for the record. CONSULTANT will keep the CITY apprised of the Contractor's current construction schedule.

#### **3.5. Progress / Coordination Meetings**

CONSULTANT will conduct weekly progress/coordination meetings, to be attended by the CITY, CITY, the Contractor, CONSULTANT and other invitees. CONSULTANT will request the CITY and the Contractor to submit agenda items for the meetings. Using the proposed agenda items and agenda items developed in house, CONSULTANT will prepare a comprehensive agenda for the meeting and distribute the agenda to all parties scheduled to attend. Following the meeting, CONSULTANT will distribute meeting minutes, requesting either the concurrence of those who

attended, or suggested corrections to the minutes. Minutes will be filed as either approved or amended.

### **3.6. Payment Recommendations**

CONSULTANT will review and approve the Contractor's monthly progress based on the percentage of work activities complete. The Contractor will submit a certified application for payment to CONSULTANT for final review. Once approved, CITY will prepare a payment application certificate, using software similar to *Excel*, for approval and execution by the CITY.

### **3.7. Safety**

CONSULTANT will observe contractors' work area. Contractor is to be informed if unsafe work conditions and/or areas are observed. Immediate shutdown of contractors' work may be required if conditions endanger property and/or life. Random attendance of contractor's tailgate meeting. CONSULTANT will conduct its own bi-weekly staff safety meeting to discuss specific safety procedures and issues relating to current or upcoming construction activities requiring unique safety procedures.

### **3.8. Environmental Coordination and Biological/Cultural/Paleontological Monitoring**

CONSULTANT will review and enforce requirements stipulated in MMRP, ECR, Amended BO and permits issued by regulatory agencies. CONSULTANT will mobilize the services of its sub-consultant for Biological Monitoring who will provide a certified Biologist (Monitor). CONSULTANT will mobilize the services of its sub-consultant for Archaeological and Paleontological Monitoring.

### **3.9. Submittal Management and Review**

CONSULTANT will develop a comprehensive submittal list for distribution to the Contractor and the Designer. CONSULTANT will update and submit status submittal logs for review at each coordination meeting. CONSULTANT will work with the Contractor and Designer (where applicable) to encourage timely submission, review and approval of submittals as outlined in the Contract Documents, prior to inclusion of submitted materials in the progress of the work. In addition, CONSULTANT will perform the engineering reviews and approvals for working drawings and calculations provided by the Contractor in accordance with Sections 5-1.02 and 5-1.02A of the State Standard Specifications and within the review timeframes as specified in the applicable sections of the contract documents and specifications. The following steps will be taken in reviewing the Contractor's submittals:

1. Log all submittals by Specification Section.
2. Ensure that the Contractor has provided a complete submittal, coordinated with the work of other trades, and that all deviations have been noted. Submittal is returned to the contractor if it is not complete.
3. Construction Manager reviews submittal for general compliance with the specification.
4. Applicable Submittals are forwarded to Designer for formal review. Submittal status is logged.
5. Submittals sent to Designer are returned to CONSULTANT. Submittal status is logged.

6. CONSULTANT to perform engineering review of submittals consisting of working drawings and calculations furnished in accordance with Sections 5-1.02 and 5-1.02A of the State Standard Specifications. Such submittals shall be reviewed and approved by CONSULTANT's Resident Engineer in accordance the above sections, other applicable sections of the State Standard Specifications and the Caltrans Inspection Manuals for the associated work (i.e. Falsework, Prestressing, Trenching and Shoring, etc.).
7. Approved submittals are returned to the Contractor for use in work. Submittal status is logged.
8. CONSULTANT to inform Contractor if a re-submittal is required.

### **3.10. Request for Information (RFI) Management and Review**

CONSULTANT will receive, log and review all RFIs for completeness and verify the question is reasonable and understandable. CONSULTANT will provide a short technical review of the RFI to determine if the issue is addressed adequately in the contract documents. CONSULTANT will return the RFI if the question is unclear or, in the opinion of CONSULTANT staff, the answer is contained in the contract documents, noting where the requested information can be found in the contract documents. CONSULTANT will track RFIs, using the software similar to Expedition, and facilitate the timely response from the Designer.

### **3.11. Document Management**

CONSULTANT will use a File Index conforming to the Caltrans Construction Manual's 63-category filing system to log all documents in the project field office. Documents will be scanned into the document control system and attached to the applicable File Index categories. All documents will be maintained in both electronic and hard-copy formats.

### **3.12. Review Certified Payrolls**

CONSULTANT will receive and review certified payrolls from the Contractor and each of its subcontractors. CONSULTANT will check for the "Statement of Compliance" from the Contractor and/or subcontractors, and spot-check wages for each classification of laborer or craftsperson. CONSULTANT will notify the CITY and the Contractor of all discrepancies and/or errors and request a corrected Certified Payroll.

### **3.13. Storm Water Pollution Prevention Plan (SWPPP)**

CONSULTANT will observe the contractor's work area for general compliance with the SWPPP Best Management Practices (BMP) and notify the contractor if the pollution prevention controls are not in accordance with the SWPPP. Failure to revise and correct conditions will be cause to have the CITY take corrective action. Immediate shutdown of the contractor's work may be required, if conditions are in non-compliance with the SWPPP or other permit conditions.

## **4. Construction Inspection Services**

### **4.1. Inspection and Documentation**

CONSULTANT will provide experienced and qualified inspectors (qualified by the state of California Department of Transportation) acceptable to the CITY, Caltrans and cities. Inspectors will document the Contractors' daily activities, manpower loading, on-site equipment and items

considered pertinent to the project. Construction contractor may be working on site 24 hours per day. CM services are to be provided to enforce the construction contract requirements.

CONSULTANT will coordinate and manage the utilization of CONSULTANT's inspectors for the purpose of providing daily inspections and/or special inspections as deemed necessary and beneficial for proper completion of the project, or, at the CITY's direction, CONSULTANT will negotiate and enter into sub-consultant agreements with qualified inspectors including special inspectors, as needed and defined in Task 2.5.

#### **4.2. Materials Testing, Geotechnical Engineering Services, Construction Testing & Quality Assurance Program (QAP)**

CONSULTANT will coordinate and manage the utilization of the materials and testing laboratory for the purpose of providing laboratory and field-testing of materials in accordance with test methods and frequencies specified in the contract documents, as required by the California Test Methods, and Caltrans' Quality Assurance Manual.

#### **4.3. Surveying**

CONSULTANT will manage all construction survey services necessary for the construction of this project. Resident Engineer will review contractor's survey staking request for completeness and adherence to the boiler plate of approved survey activities (including interval spacing) and schedule survey staking in a timely manner.

The survey staking services shall conform to Section 11 "Engineering Surveys" and Section 12 "Construction Surveys", both of the Caltrans Survey Manual, the Land Surveyors Act and the following requirements:

1. Construction staking shall begin no later than two working days after the initial request is made through the CONSULTANT's Resident Engineer and received by the Land Surveyor; working days will be determined by the Land Surveyor's standard work week.
2. CONSULTANT will insure that all survey-staking services are coordinated to meet the contractor's operations schedule; staking requests are submitted and reviewed in a timely manner. Any penalties associated with time delays that are a result of a failure to provide approved staking requests to the Land Surveyor in a timely manner will be borne by the CONSULTANT.
3. CONSULTANT will provide field office support and office space to the survey crews and check field staking notes after staking.
4. Where conflicts between Caltrans guidance and CITY guidance occurs, CITY guidance will be followed.

#### **4.4. Review and maintain "As Constructed Schedule"**

CONSULTANT will use the daily inspection reports prepared by CONSULTANT inspectors, the contractors' schedule, site observations, and other sources of information, to track and document the contractor's actual progress. The contractor's baseline critical path schedule or most recent accepted update will be used as a basis for comparing planned versus actual progress. The CPM software described in Section 3 will be used to track the contractor's progress and build a schedule based on the contractor's activities.

#### **4.5. Maintain Photographic Records of Construction Progress**

Using digital photography, and construction video recording cameras, CONSULTANT will record the Contractor's progress during construction on a daily basis or otherwise as approved by the CITY. Care will be taken to record all items and/or conditions that have or may have a bearing on claimed extra work. Still photographs will be labeled with captions indicating subject matter, date taken, and any description required to further clarify the item/issue being photographed.

#### **4.6. Review and Maintain "As Built" Drawings**

CONSULTANT will monitor the contractor's required record drawings on a monthly basis. In addition to monitoring the contractor's drawings, CONSULTANT will maintain a copy of the contract plans for the project. CONSULTANT will ensure that items that may not normally be shown on the contractor's set of record drawings, but are of importance to the CITY, and Caltrans are included in the as-built drawings. This information is not necessarily construction related, but is project related and may be important in future maintenance and/or construction projects.

#### **4.7. Final Inspection and Punch-list**

CONSULTANT will perform a project inspection of the completed construction following substantial completion. During the inspection, the CONSULTANT will develop a list of contract work requiring correction or rework. The written list of deficient work (punch-list) will be delivered to the CITY and CONTRACTOR within three (3) working days of the final inspection. The final punch-list will include items to be corrected that were identified previously during the course of construction.

#### **4.8. Final Acceptance – Punch List Assistance**

CONSULTANT will coordinate a walk-through with the CITY, the Designer, CITY, and the Contractor. CONSULTANT, with assistance from the CITY, the Designer and CITY will prepare a punch list indicating all deficiencies and/or omissions noted in the walk-through. CONSULTANT will then forward the punch list to the Contractor for correction of the work in accordance with timelines defined in the contract. CONSULTANT, in conjunction with the CITY and CITY as necessary, will inspect items on the punch list once the Contractor has notified the CONSULTANT that the work is complete. Completed items on the punch list will be signed off by the CONSULTANT. Upon completion of the punch list work the CONSULTANT will notify the CITY that the work is complete and forward a copy of the completed punch list.

### **5. Construction Closeout Activities**

#### **5.1. Contract Closeout**

CONSULTANT will turn over all project files, contract correspondence and documents including final logs at time of project completion.

#### **5.2. Project As-Built Drawings**

In addition to monitoring the Contractor's record drawings, CONSULTANT will maintain a copy of up-to-date contract plans for the purpose of aiding the Designer in final review of the record drawings.

### **5.3. Final Project Report**

CONSULTANT will review the project documents and prepare a written report for the CITY. As a minimum, the report will include the following:

1. Names of all organizations involved with the Projects, i.e., CITY managers, City, construction manager, contractor and any other parties that may have a significant part in the construction of the projects.
2. Chronological history of the construction effort, to include all significant dates.
3. Contract amounts at bid time with all other bids in tabular form.
4. Change order history, to include summary statement about each change, negotiated cost of each change and other information deemed necessary by CONSULTANT and the CITY's Project Manager.
5. Summary of Requests for Information, in tabular or matrix form.
6. Summary of outstanding claims not resolved when the notice of completion is filed.
7. Summary of final contract amount.
8. Final DBE Report.
9. Project photographs.
10. "Lessons learned"

### **5.4. Final Payment, Final Report of Expenditure Checklist**

Following completion of the contract work, CONSULTANT will, in accordance with the Designer, determine the final quantities and cost of all outstanding unit price work and all outstanding approved change order work. CONSULTANT will prepare for the CITY and the Contractor, a final balancing change order quantifying the final contract amount. Contractor will include amount of final balancing change order in submission of last certified application for payment, submitted to CONSULTANT. Once approved, CONSULTANT will forward application for payment to the CITY for final approval and processing.

### **5.5. Audit Support**

CITY may be audited one or more times following project close-out. The CITY will issue a future task order to pay for support services during any such audits, should they request these services. CONSULTANT will assist and/or participate in the audit process at the CITY offices and provide any and all documentation from the project as requested by the auditors, and attend meetings as needed.

## **6. Field Office and Employee Equipment**

The Construction Contractor will provide a construction trailer/office facility with sanitary facility, water supply, and air conditioning for the use of CM/CONSULTANT staff and provide venue for weekly construction progress meetings, coordination meetings with local agencies, utility companies, local businesses, residents and other stake holders. Supplies to be provided by the contractor include furniture, phones, computers, fax machine, Internet services, copying/reproduction machine, file cabinets, and site safety equipment required for field staff to perform their work.

# Attachment “B”

## Design Support During Construction Phase

### Scope of Services

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## **1. Design Support - General Scope**

CONSULTANT shall provide engineering and design support services during the construction phase of the project to assist the CITY, Construction Manager, Resident Engineer, and Contractor in resolving design-related issues, interpreting contract documents, reviewing proposed changes, and maintaining consistency with the approved project design.

The services shall support timely construction progress while maintaining compliance with the approved plans, specifications, applicable City and Caltrans standards, permits, and project requirements.

### **1.1. Construction Support and Design Coordination**

CONSULTANT shall provide ongoing design support throughout construction, including:

- Coordinate with CITY, the Resident Engineer, Construction Manager, Contractor, and other project stakeholders regarding design-related matters.
- Attend construction progress meetings, design coordination meetings, and other meetings as requested.
- Review and respond to construction-related design questions and requests for clarification.
- Interpret the intent of the approved plans, specifications, calculations, and technical documents.
- Identify potential design conflicts, constructability issues, and discrepancies between contract documents.
- Coordinate design responses among the various technical disciplines.
- Maintain a log of design-related questions, responses, and outstanding issues.

### **1.2. Coordination and Communication**

CONSULTANT shall maintain regular communication with CITY and the project construction team. CONSULTANT shall designate appropriate technical personnel to respond to design-related issues and shall coordinate responses to avoid conflicting direction to the Contractor.

All formal direction affecting the Contractor's contractual obligations shall be issued through the appropriate CITY representative.

### **1.3. Requests for Information (RFIs)**

CONSULTANT shall provide technical review and responses to RFIs submitted during construction.

Services may include:

- Review RFIs and supporting information provided by the Contractor.
- Coordinate with appropriate technical disciplines to develop responses.
- Review proposed field conditions and determine whether modifications to the design are warranted.
- Prepare written responses, sketches, details, or other supporting information as necessary.
- Identify RFIs that may require a contract change, supplemental design, or additional authorization.
- Track RFI responses and coordinate timely resolution of outstanding design issues.

RFI responses shall clarify design intent but shall not constitute unauthorized changes to the contract documents.

### **1.4. Submittal and Shop Drawing Review**

CONSULTANT shall review construction submittals related to the design disciplines under the Consultant's responsibility.

Reviews may include:

- Shop drawings.
- Product data.

- Material data.
- Fabrication drawings.
- Structural details.
- Temporary or permanent design-related submittals.
- Contractor-proposed alternatives.
- Other technical submittals identified by CITY.

CONSULTANT shall review submittals for general conformance with the design intent and applicable contract requirements. CONSULTANT shall not assume responsibility for construction means, methods, sequencing, safety, or Contractor quality control.

### **1.5. Construction Change Support**

CONSULTANT shall assist CITY in evaluating proposed construction changes that involve design considerations.

Services may include:

- Review proposed field changes and Contractor change requests.
- Evaluate design impacts associated with differing site conditions or unforeseen conditions.
- Prepare engineering recommendations for proposed modifications.
- Develop sketches, revised details, calculations, or supplemental design information when authorized.
- Assist CITY in determining whether proposed changes are consistent with the project design and applicable standards.
- Support preparation of technical information for change orders and contract modifications.
- Coordinate revised design information with affected disciplines.

Major redesign, substantial revisions to the contract documents, or changes outside the approved scope shall be performed only upon written authorization.

### **1.6. Field Visits and Construction Observations**

CONSULTANT shall provide periodic field support, as requested by CITY, to assist with design-related construction issues.

Field services may include:

- Observe construction activities relevant to identified design issues.
- Review existing field conditions.
- Verify dimensions and conditions necessary to develop design responses.
- Participate in field investigations with CITY and the Contractor.
- Document design-related observations through photographs, sketches, and written correspondence.
- Provide recommendations regarding design-related construction issues.

These services are intended to support design coordination and shall not constitute continuous construction inspection or assume the duties of CITY' construction staff.

### **1.7. Design Clarifications and Supplemental Details**

CONSULTANT shall prepare design clarifications and supplemental information required to facilitate construction.

Deliverables may include:

- Design sketches.
- Supplemental details.
- Revised details.

- Typical sections.
- Technical memoranda.
- Calculations.
- Marked-up drawings.
- Written design clarifications.
- Revised plan sheets, where authorized.

All revisions shall be coordinated with affected disciplines and prepared in accordance with applicable City and Caltrans procedures and project requirements.

### **1.8. As-Built and Record Drawing Support**

CONSULTANT shall support CITY in documenting design-related changes incorporated during construction.

Services may include:

- Review Contractor-provided record information relevant to the Consultant's design.
- Incorporate authorized design changes into record drawing information.
- Identify revisions resulting from RFIs, change orders, field changes, and supplemental design.
- Provide updated electronic files or marked-up drawings as required.
- Coordinate record information with CITY' document control requirements.

#### *Deliverables*

Potential deliverables under this task include:

- RFI responses.
- Design clarification memoranda.
- Submittal review comments.
- Construction sketches and supplemental details.
- Technical calculations.
- Field investigation documentation.
- Design-related change recommendations.
- Revised or supplemental plan sheets.
- Design change logs.
- Record drawing/as-built information.
- Meeting attendance and meeting documentation, as applicable.

## **2. Quality Control**

All design support documents shall be subject to the Consultant's applicable quality assurance and quality control procedures. Technical responses, calculations, sketches, and revised design documents shall be reviewed by qualified personnel appropriate to the discipline and complexity of the issue.

## **3. Schedule and Response Times**

CONSULTANT shall provide timely responses to construction-related requests in accordance with the project schedule and priorities established by CITY.

Unless otherwise established by the project, the Consultant shall target:

- **Routine RFIs:** Response within 5 working days.
- **Urgent construction issues:** Response as soon as practicable, generally within 1–2 working days.
- **Complex design changes:** Schedule to be coordinated with CITY based on the complexity and construction impact.

Response times are subject to receipt of complete information and availability of necessary field and Contractor information.

#### **4. Assumptions and Limitations**

The scope is based on the following assumptions:

- CITY will provide the Consultant with access to current contract documents and available construction records.
- CITY will provide timely notice of RFIs, proposed changes, and other design-related issues.
- The Consultant's services will be limited to the disciplines and project elements identified in the Consultant's contract.
- Construction inspection, Contractor quality control, construction management, site safety, and construction means and methods remain the responsibility of the parties assigned those functions under the construction contract.
- Services requiring substantial redesign, permit revisions, major plan revisions, or work outside the approved scope will require separate authorization.
- CONSULTANT will not direct the Contractor's means, methods, sequencing, or safety procedures.

# Attachment “C Cost Proposal

City of Coachella  
Avenue 50 Bridge Over Coachella Valley Stormwater Channel

**Amendment No. 7:**  
**Construction Management Services - Budget Request**

| Firm Names                      | Descriptions                      | Amendment Request Amount |
|---------------------------------|-----------------------------------|--------------------------|
| AnGenious                       | CM Services - Prime               | \$5,291,510              |
| DESI                            | Labor Compliance/SWPPP Inspection | \$418,011                |
| MBI                             | Environmental / Biologist         | \$450,573                |
| NV5                             | Survey Staking Services           | \$421,233                |
| Earth Systems Pacific           | Material Testing Services         | \$431,648                |
| ZTC                             | Sources Inspection                | \$206,112                |
| OTHER DIRECT COSTS (ODC)        | Office Supplies and Trucks        | \$197,500                |
| 15% Administration Fee          |                                   | \$212,508                |
| <b>TOTAL CM SERVICES AMOUNT</b> |                                   | <b>\$7,629,094</b>       |

**Design Support During Construction Phase**

| Firm Names                                  | Descriptions        | Amendment Request Amount |
|---------------------------------------------|---------------------|--------------------------|
| AnGenious                                   | Prime               | \$200,000                |
| EMI                                         | Geotechnical Design | \$44,171                 |
| GFT                                         | Structures Design   | \$100,472                |
| MBI                                         | Drainage Design     | \$115,114                |
| NV5                                         | Electrical Design   | \$37,240                 |
| 15% Administration Fee                      |                     | \$44,550                 |
| <b>TOTAL DESIGN SUPPORT SERVICES AMOUNT</b> |                     | <b>\$341,547</b>         |

|                                   |                       |
|-----------------------------------|-----------------------|
| <b>TOTAL OF AMENDMENT REQUEST</b> | <b>\$7,970,641.00</b> |
|-----------------------------------|-----------------------|

City of Coachella  
Avenue 50 Bridge Over Coachella Valley Stormwater Channel

**Amendment No. 7:**  
**Other Direct Costs (ODCs)**

| Description            | Unit | Unit(s)<br>in month | Unit Cost   | Total               |
|------------------------|------|---------------------|-------------|---------------------|
|                        |      |                     |             |                     |
| Computer Network Setup | 1    |                     | \$10,000.00 | \$10,000.00         |
| Office Supplies        | 1    | 30                  | \$250.00    | \$7,500.00          |
| Vehicle # 1            | 1    | 30                  | \$1,500.00  | \$45,000.00         |
| Vehicle # 2            | 1    | 24                  | \$1,500.00  | \$36,000.00         |
| Vehicle # 3            | 1    | 18                  | \$1,500.00  | \$27,000.00         |
| Vehicle # 4            | 1    | 12                  | \$1,500.00  | \$18,000.00         |
| WebCam                 | 2    | 30                  | \$900.00    | \$54,000.00         |
| <b>ODCs TOTAL</b>      |      |                     |             | <b>\$197,500.00</b> |

**Amendment No. 7:**  
**Construction Management Services - Budget Request**

[illegible]

## EXHIBIT 10-H1 COST PROPOSAL Page 1 of 3

**ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS**  
(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

Prime Consultant



Subconsultant



2nd Tier Subconsultant

Consultant **Dynamic Engineering Services, Inc.**Project No. **City of Coachella  
Ave 50 Bridge Over Coachella Valley Stormwater Channel  
City Project No.: ST-69**

Date

April 15, 2026

**DIRECT LABOR**

| Classification/Title         | Name                            | Hours | Actual Hourly Rate | Total        |
|------------------------------|---------------------------------|-------|--------------------|--------------|
| Electrical Inspection        | Matthew Eddy, Michael Roush     | 1200  | \$ 79.00           | \$ 94,800.00 |
| SWPPP Review and Inspection  | Chia-Chi Wang, Michael Ervolina | 232   | \$ 90.00           | \$ 20,880.00 |
| Labor Complianace Monitoring | Chia-Chi Wang, Michael Ervolina | 500   | \$ 40.00           | \$ 20,000.00 |
|                              |                                 |       |                    | \$ -         |
|                              |                                 |       |                    | \$ -         |
|                              |                                 |       |                    | \$ -         |
|                              |                                 |       |                    | \$ -         |
|                              |                                 |       |                    | \$ -         |
|                              |                                 |       |                    | \$ -         |

**LABOR COSTS (based on 24-month project)**

a) Subtotal Direct Labor Costs

\$ 135,680.00

b) Anticipated Salary Increases (see page 2 for calculation)

\$ 678.40

**c) TOTAL DIRECT LABOR COSTS** \$ 136,358.40**INDIRECT COSTS**

d) Fringe Benefits

(Rate: 44.13%)

e) Total Fringe Benefits [(c) x (d)]

\$ 60,174.96

f) Overhead

(Rate: 112.61%)

g) Overhead [(c) x (f)]

\$ 153,553.19

h) General and Administrative

(Rate: 0.00%)

i) Gen &amp; Admin [(c) x (h)]

\$ -

**j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]** \$ 213,728.16q) **FIXED FEE** 10.00%**k) TOTAL FIXED FEE [(c) + (j)]** \$ 35,008.66**l) CONSULTANT'S OTHER DIRECT COSTS (ODC) – ITEMIZE (Add additional pages if necessary)**

| Description of Item                | Quantity | Unit | Unit Cost | Total        |
|------------------------------------|----------|------|-----------|--------------|
| Mileage Reimbursement per IRS Rate | 45400    | Mile | \$ 0.73   | \$ 32,915.00 |
|                                    |          |      | \$ -      | \$ -         |
|                                    |          |      | \$ -      | \$ -         |
|                                    |          |      | \$ -      | \$ -         |
|                                    |          |      | \$ -      | \$ -         |
|                                    |          |      | \$ -      | \$ -         |

**l) TOTAL OTHER DIRECT COSTS** \$ 32,915.00**m) SUBCONSULTANTS' COSTS (Add additional pages if necessary)**

|                  |  |  |
|------------------|--|--|
| Subconsultant 1: |  |  |
| Subconsultant 2: |  |  |

**m) TOTAL SUBCONSULTANTS' COSTS** \$ -**n) TOTAL OTHER DIRECT COSTS INCLUDING SUBCONSULTANTS [(l)+(m)]** \$ 32,915.00**TOTAL COST [(c) + (j) + (k) + (n)]** \$ 418,010.21**NOTES:**

- Key personnel must be marked with an asterisk (\*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (\*\*). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary increases calculation (page 2) must accompany.

## Exhibit 10-H1 Cost Proposal Page 3 of 3

**Certification of Direct Costs:**

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. Title 23 United States Code Section 112 - Letting of Contracts
4. 48 Code of Federal Regulations Part 31 - Contract Cost Principles and Procedures
5. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Design Related Service
6. 48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board (when applicable)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Local governments are responsible for applying only cognizant agency approved or Caltrans accepted Indirect Cost Rate(s).

**Prime Consultant or Subconsultant Certifying:**

Name: Chia-Chi Wang Title \*: Project Manager

Signature : *ChiaChi Wang* Date of Certification (mm/dd/yyyy): 4/15/2026

Email: ccwang@dynamicsi.com Phone Number: 951-892-1420

Address: 6 Latitude Way, Suite 112, Corona, CA 92881

\*An individual executive or financial officer of the consultant's or subconsultant's organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Electrical related submittal/RFI review and QA Inspection  
SWPPP submittal review and monthly field inspection  
CPR verification and Labor Compliance monitoring

**Ave 50 Bridge over CVSC**☐ Prime Consultant☒ Subconsultant☐ 2nd Tier SubConsultant Earth Mechanics, Inc.

Project No. \_\_\_\_\_

Contract No. TBDDate 15-Sep-26**DIRECT LABOR**

| Classification/Title             | Name | Hours      | Hourly Rates | Total              |
|----------------------------------|------|------------|--------------|--------------------|
| Principal/PM                     |      | 52         | \$109.10     | \$5,673.20         |
| Principal Engineer / Geologist   |      | -          | \$83.50      | \$0.00             |
| Senior Engineer / Geologist      |      | 104        | \$74.50      | \$7,748.00         |
| Sr. Project Engineer / Geologist |      | -          | \$63.40      | \$0.00             |
| Project Engineer / Geologist     |      | -          | \$55.80      | \$0.00             |
| Sr. Staff Engineer / Geologist   |      | -          | \$55.70      | \$0.00             |
| Staff Engineer / Geologist       |      | -          | \$43.80      | \$0.00             |
| Senior Technician                |      | -          | \$56.00      | \$0.00             |
|                                  |      | <b>156</b> |              | <b>\$13,421.20</b> |

**LABOR COSTS**

a) Subtotal Direct Labor Costs

\$13,421.20

b) Anticipated Salary Increases (see page 2 for sample)

\$403.84

**c) TOTAL DIRECT LABOR COSTS [(a) + (b)]** \$13,825.04**FRINGE BENEFITS**d) Fringe Benefits (Rate: 79.45% )**e) Total Fringe Benefits**[(c) x (d)] \$10,984.00**INDIRECT COSTS**

f) Overhead

(Rate: 106.01%)

g) Overhead [(c) x (f)]

\$14,655.93

h) General and Administrative

(Rate: 0.00%)

i) Gen &amp; Admin [(c) x (h)]

\$0.00

**j) Total Indirect Costs [(e) + (g) + (i)]** \$25,639.93**FIXED FEE (Profit)**q) (Rate: 10.00% )**k) TOTAL FIXED PROFIT [(c) + (j)] x (q)]** \$3,946.50**l) OTHER DIRECT COSTS (ODC)**

Description

Quantity

Unit

Unit Cost

Total

Mileage

1000

Mile

\$0.760

\$760.00

**l) TOTAL OTHER DIRECT COSTS**

\$760.00

**m) Subconsultants:****m) TOTAL SUBCONSULTANT'S COSTS**

\$0.00

**n) Total Other Direct Costs Including Subconsultants [(l) + (m)]** \$760.00**TOTAL COST [(c) + (j) + (k) + (n)]** **\$44,171.47**

## QA Testing and Inspections

Project: Avenue 50 Bridge Over Coachella Valley Stormwater Channel (CVSC)

Location: Ave 50 & HWY 86 Coachella, CA 92236

Actual fees will be based on a time and material basis and may be somewhat more or less than shown on the cost estimate sheet. The calculated fees will be based upon the number of site visits requested, additional work not included in this scope of services, and the efficiency of the contractor.

Actual fees will be based on a time and material basis and may be somewhat more or less than shown on the cost estimate sheet. The calculated fees will be based upon the number of site visits requested, additional work not included in this scope of services, and the efficiency of the contractor.

**Avenue 50 Bridge Over CVSC**☐ Prime Consultant☒ Subconsultant☐ 2nd Tier SubConsultant **GFT, Inc.**

Project No.

Contract No. **TBD**Date 2-Sep-26**DIRECT LABOR**

| Classification/Title   | Name           | Hours      | Hourly Rates | Total              |
|------------------------|----------------|------------|--------------|--------------------|
| Project Manager        | Ayman Salama   | 8          | \$120.00     | \$960.00           |
| Senior Bridge Engineer | Andre Issa     | 88         | \$109.02     | \$9,593.76         |
| Engineer II            | Jaime Garcia   | 72         | \$65.16      | \$4,691.52         |
| Engineer II            | Shunji Jiang   | 64         | \$66.22      | \$4,238.08         |
| Senior CAD Technician  | Paula Johnson  | 128        | \$73.36      | \$9,390.08         |
| Engineer I             | Andre Castillo | 40         | \$44.42      | \$1,776.80         |
| Engineer II            | Alvin Yep      | 40         | \$50.82      | \$2,032.80         |
| Engineer I             | Deena Salama   | 40         | \$41.84      | \$1,673.60         |
| Admin Assistant        | Rachel Lopez   | 80         | \$46.92      | \$3,753.60         |
|                        |                | <b>560</b> |              | <b>\$38,110.24</b> |

**LABOR COSTS**

a) Subtotal Direct Labor Costs

\$38,110.24

b) Anticipated Salary Increases (see page 2 for sample)

\$0.00

**c) TOTAL DIRECT LABOR COSTS [(a) + (b)]**

\$38,110.24

**FRINGE BENEFITS**d) Fringe Benefits (Rate: **50.66%**)**e) Total Fringe Benefits**

[(c) x (d)] \$19,306.27

**INDIRECT COSTS**

f) Overhead

(Rate: **86.39%**)

g) Overhead [(c) x (f)] \$32,923.06

h) General and Administrative

(Rate: )

i) Gen &amp; Admin [(c) x (h)] \$0.00

**j) Total Indirect Costs [(e) + (g) + (i)]**

\$52,229.32

**FIXED FEE (Profit)**q) (Rate: **10.00%**)**k) TOTAL FIXED PROFIT [(c) + (j)] x (q)]**

\$9,033.96

**l) OTHER DIRECT COSTS (ODC)****Description**

|                                    | Unit(s)      | Unit Cost | Total             |
|------------------------------------|--------------|-----------|-------------------|
| Copy/Reprographics                 | 5 Submittals | \$100.000 | \$500.00          |
| Mails                              | 5 Each       | \$50.00   | \$250.00          |
| Mileage                            | 600 Miles    | \$0.580   | \$348.00          |
|                                    |              |           | \$0.00            |
| <b>l) TOTAL OTHER DIRECT COSTS</b> |              |           | <b>\$1,098.00</b> |

**m) Subconsultants:**

0.00%

**m) TOTAL SUBCONSULTANT'S COSTS** \$0.00**n) Total Other Direct Costs Including Subconsultants [(l) + (m)]**

\$1,098.00

**TOTAL COST [(c) + (j) + (k) + (n)]****\$100,471.52**



**To:** Andy Cheah, PE  
**From:** Brad Losey, PE  
**Date:** September 15, 2026  
**Subject:** Internal Proposal Request Design Construction Support  
**Project:** Ave 50/SR-86 Interchange Project, Phase 2, Coachella, CA for Angenious Engineering Services (for City of Coachella)

---

Andy,

As requested, this memorandum presents the tasks to support Design Construction Support for the proposed Ave 50/SR-86 Interchange Project located at the intersection of Ave 50 and SR-86 in the City of Coachella.

## PROPOSED SCOPE OF WORK

### TASK 1: CONSTRUCTION SUPPORT ENGINEERING

Michael Baker will review and respond to Bidder Questions, RFI's, and materials submittals. The level of effort assumed for each element are as follows:

Bidder Questions: 16 hours

RFI's (10 assumed): 20 hours

Materials Submittals (10 assumed): 20 hours

Should the hours required to answer the above listed items exceed the assumed budget, additional budget will be requested where appropriate.

### TASK 2: AS BUILT PLANS

Michael Baker will update the design plans with as-built information for each sheet prepared by Michael Baker based on redlines provided by the contractor. Michael Baker will not be responsible for preparing redlines based on emails, phonecalls or RFIs. All redlines will be provided by the contractor for the assumed level of effort. If redlines are not provided, additional budget to prepare the redlines prior to As-Built Plan preparation will be required.

Level of Effort: 30 hours. review and respond to Bidder Questions, RFI's, and materials submittals. The level of effort assumed for each element are as follows:

### TASK 3: PROJECT MEETINGS AND MANAGEMENT

Michael Baker's Project Manager, will manage the tasks outlined above and will maintain close communication throughout the project to ensure that tasks are completed within the schedule and budget parameters. The Michael Baker project team will participate in project team meetings, as

needed, with County to discuss project progress and any issues that arise. Michael Baker assumes a virtual project kick-off meeting with the selected contractor and virtual meetings over a 6-month period.

Michael Baker will also perform contract management functions under this task, including project team coordination, communications with County, and project tracking. This task also provides for the administration of the contract including billing and accounting functions by Michael Baker's staff.

*Assumptions and Exclusions:*

- This task does not include time for an on-site meeting.

## SCHEDULE

We are prepared to begin work immediately upon approval of this scope of work and receipt of an approved task order. We have the staff immediately available to commit to this project. The scope of work provided above would be scheduled and implemented when further construction details are available to comply with scheduling and reporting requirements included in the SAA. When further details regarding construction timing is available, Michael Baker will schedule pre-construction surveys and report submittals accordingly.

## PROJECT FEE

Table 2 provides a breakdown of costs per task included in the Scope of Work.

**TABLE 2: PROJECT FEE**

| <b>Task #</b>    | <b>Task Description</b>                        | <b>Labor</b>    | <b>ODCs*</b> | <b>Fee</b>       |
|------------------|------------------------------------------------|-----------------|--------------|------------------|
| 1                | Construction Support Engineering               | \$98,310        | \$0          | \$98,310         |
| 2                | As Built Plans                                 | \$5,430         | \$0          | \$5,430          |
| 3                | Project Management, Meetings, and Coordination | \$11,374        | \$0          | \$11,374         |
|                  |                                                |                 |              |                  |
| <b>TOTAL FEE</b> |                                                | <b>\$15,114</b> | <b>\$0</b>   | <b>\$115,114</b> |

\* Other direct costs include travel expenses for field surveys, vehicle mileage (standard IRS rate), field supplies, document reproduction, and messenger/mailling services.



**To:** Andy Cheah, PE  
**From:** Brad Losey, Art Popp, Anisha Malik, and Travis Whitney  
**Date:** September 15, 2026  
**Subject:** Internal Proposal Request for Natural Resources Services  
**Project:** Ave 50/SR-86 Interchange Project, Phase 2, Coachella, CA for Angenious Engineering Services (for City of Coachella)

---

Andy,

As requested, this memorandum presents the tasks to support construction implementation, and environmental compliance for the proposed Ave 50/SR-86 Interchange Project located at the intersection of Ave 50 and SR-86 in the City of Coachella.

Several pre- and during-construction requirements are included in the project's Streambed Alteration Agreement issued by California Department of Fish and Wildlife, as well as permits from the U.S. Corps of Engineers and Regional Water Quality Control Board. This scope of work captures the pre- and during-construction requirements but does not include any post-construction related items such as habitat restoration implementation.

## PROPOSED SCOPE OF WORK

### TASK 1: OFFSITE MITIGATION SITE DUE DILIGENCE REVIEW AND AGENCY COORDINATION

Compensatory mitigation for project impacts to jurisdictional water was previously anticipated to allow purchase of mitigation bank credits. However, since issuance of the project's regulatory permits this option is no longer viable. This task will identify and screen feasible offsite permittee-responsible mitigation properties that can meet compensatory mitigation requirements and support timely progression into mitigation planning and agency review.

Michael Baker shall perform a due diligence review of potential mitigation areas to support selection of a feasible permittee-responsible mitigation site to meet the 6.84 acres of preservation of streambed and stream-associated ephemeral wash habitat required for the project prior to preparation of the Mitigation Site Enhancement Plan. This task is intended to screen candidate properties for general suitability as provided by Coachella Valley Conservation Commission, identify key ownership and access constraints, and coordinate early with CDFW so that the project team can focus plan development on a site with a reasonable path forward through the mitigation land review process.

## **Phase I: Records Review and Comparative Screening**

Under this task, Michael Baker will review available background information for candidate mitigation areas and complete a planning-level screening of the parcels under consideration to comply with Streambed Alteration Agreement (LSAA) Conditions 3.1.1-3.1.4. The review will focus on ownership, access, known or readily apparent encumbrances, site context, and any obvious issues that could affect feasibility of using the property for permittee-responsible mitigation. This task is intended to support early decision-making and does not replace formal title, legal, survey, or escrow review that may be required later in the CDFW property acceptance process.

This task shall include:

- **Candidate mitigation area screening.** Review of available information for up to three candidate mitigation areas to determine whether each property appears viable for further evaluation as a permittee-responsible mitigation site within the Whitewater River watershed context.
- **Parcel ownership review.** Compilation and review of readily available parcel ownership information and assessor parcel references for the candidate site(s) to help confirm who controls the property and whether the site appears capable of advancing into more formal mitigation land review.
- **Access constraints review.** Planning-level review of known or apparent access constraints affecting the candidate mitigation area(s), including whether legal access appears to exist, whether access routes may need to be established or documented, and whether site accessibility could affect implementation or long-term management.
- **Constraint identification.** Identification of major known or apparent constraints that could affect suitability of the property for mitigation planning, such as overlap with existing encumbrances, incompatible site conditions, visible land use conflicts, or other issues that may complicate site eligibility, acceptance, protection, or management.
- **Coordination with CDFW.** Early coordination with CDFW regarding the proposed candidate mitigation area(s), including discussion of the site review pathway, mitigation land package expectations, and the level of information needed to support site acceptance before development of the mitigation planning documents.
- **Review process prior to mitigation plan development.** Preparation of a due diligence summary that documents the review findings for the candidate area(s), identifies key follow-up items needed before plan development, and recommends whether a candidate site should advance into preparation of the Mitigation Site Enhancement Plan and Long-Term Management Plan.
- **Mitigation planning coordination strategy.** Development of a recommended path forward for the selected candidate site, including the anticipated order of coordination steps, supporting materials to be assembled, and major information gaps that should be resolved before formal mitigation plan preparation begins.

## **Phase II: Field Reconnaissance**

Following desktop review and coordination with CDFW and CVCC, baseline biological shall be prepared for the final proposed sites. These surveys include vegetation community mapping and planning-level review of aquatic resources to inform site screening and agency coordination. Due to the varying number of potential sites, this task includes up to five days of field surveys. Findings will be incorporated into the final memorandum.

Screening will consider whether candidate properties could feasibly support the required compensatory mitigation approach, including preservation and any associated enhancement or management components that may be required by the resource agencies. Following coordination with CDFW on the potential mitigation sites, a site walk will be scheduled to confirm their acceptance of specific parcels and advance into formal mitigation planning.

**Assumptions and Exclusions:** Ownership must be confirmed and coordinated prior to conducting site visits to ensure Michael Baker staff are authorized to be on site. This task includes up to two (2) field days for vegetation mapping and jurisdictional review of the sites. This task assumes candidate parcels will be identified by the client/project team, and that sufficient landowner/representative coordination will occur to obtain access authorization for site reconnaissance. Delays in parcel identification, owner responsiveness, or site access authorization may affect schedule and level of effort. This task primarily focuses on planning-level due diligence and coordination to help identify a viable mitigation area for subsequent plan development, but it does not include preparation of a preliminary title report, Phase I Environmental Site Assessment, Mineral Risk Assessment, formal legal access documents, land survey products, conservation easement drafting, deed preparation, title insurance, escrow instructions, PAR/endowment calculation, or closing documentation unless separately authorized. However, support for these items may be provided under a separate scope and fee by Michael Baker and our teaming partners. Additionally, this task includes one site visit with the agencies to confirm acceptance of the mitigation site.

This task includes time to respond to 2 rounds of comments by County, USFWS, and/or CDFW on the technical memorandum before accepted as final.

**Deliverable:** Two drafts and one final Offsite Mitigation Area Technical Memorandum summarizing the screening methods, candidate parcel comparison, key site constraints and data gaps, agency coordination completed with CDFW, and recommendation on which site(s) should advance into further evaluation and mitigation plan development.

## **TASK 2: MITIGATION SITE ENHANCEMENT PLAN**

To comply with CDFW Measure 3.1.5 included in the LSAA, Michael Baker will prepare a Mitigation Site Enhancement Plan (MSEP), also referred to as an off-site Habitat Mitigation and Monitoring Plan. The MSEP shall be prepared in accordance with the Corps' Los Angeles District Mitigation guidelines and Monitoring Requirements, dated April 19, 2004; Mitigation Rule (33 C.F.R. Part 332; 73 FR 19670-19687 (April 10, 2008)), the Corps' LA District's 2015 Mitigation

Guidelines, and the State Water Resources Control Board's 2019 State Policy for Water Quality Control: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State. The MSEP shall discuss:

- **Responsibilities and qualifications of the personnel to implement and supervise the plan.** The responsibilities of the Applicant that would supervise and implement the plan shall be specified.
- **Baseline Information.** Site conditions will be documented for both the Project's impact areas, off-site mitigation opportunities, as well as surrounding locations comprised of native habitat that can be used as reference.
- **Site preparation and implementation.** Based on CDFW discussions, the mitigation will focus on preservation and minor enhancement of the chosen site. Site preparation may include: (1) protection of existing native species; (2) trash and weed removal; and (3) seed mix application (as needed).
- **Schedule.** A schedule shall be developed which includes planting in late fall and early winter (between October 1 and January 30) or dictated by the regulatory agencies.
- **Maintenance plan/guidelines.** The Maintenance Plan shall include: (1) weed control; (2) herbivory control; (3) trash removal; and (4) maintenance training.
- **Monitoring Plan.** The Monitoring Plan shall be described to include: (1) quarterly qualitative monitoring (i.e., photographs and general observations); (2) spring quantitative monitoring (i.e., randomly placed transects); (3) performance criteria, as approved by the above-listed resource agencies; and (4) annual reports, which shall be submitted to the resource agencies on a yearly basis, for five years.
- **Adaptive Management Plan.** General procedures for adaptive management shall be outlined based on known challenges within the area (i.e., drought stress, invasive pest mitigation, herbivory). Following quantitative site assessments, patterns and trends related to site development will be reviewed and recommendations shall be made to correct any issues identified.

Pursuant to agency requirements, the MSEP will include a maximum of five (5) exhibits to enhance the written text and clarify the approach. Exhibits are anticipated to include: 1) Regional Vicinity Map; 2) Site Vicinity Map; 3) Project Impacts Map, 4) Mitigation Site Plan; and 5) On-Site Photographs. This task includes time for Geographic Information Systems (GIS) analysis.

#### Preparation of Final MSEP

This task includes response to comments and revisions associated with client and/or regulatory agency reviews. Michael Baker shall provide regulatory services for the completion of the HMMP. The processing shall include required correspondence or telephone calls between the reviewing staff related to the HMMP. Typically, agency comments are responded to via email;

however, this task includes one (1) round of formal (written and hard copy submittal) response to comments as needed.

**Assumptions and Exclusions:** This task does not include implementation or monitoring efforts for the five-year mitigation program.

**Deliverable:** Draft MSEP (PDF) and Final MSEP (PDF).

### **TASK 3: LONG TERM MANAGEMENT AND MONITORING PLAN**

To comply with CDFW Measure 3.1.6 included in the LSAA, Michael Baker will prepare a Long Term Management and Monitoring Plan (LTMP) for the off-site mitigation project. This LTMP shall be prepared to ensure that the habitats are sustained or surpassed in perpetuity. The LTMP shall at minimum include the following for compliance:

1. Estimated description of the physical conditions of the mitigation site (at sign-off), including water resources and habitat types, and a map that identifies the location of the site;
2. Goals related to sustaining habitat quality, wildlife usage, and overall function of the mitigation site; and,
3. Management strategies proposed to meet those goals, including but not limited to fencing, invasive species management, trash and trespass control, and resource monitoring using a monitoring and management schedule, adaptive management plans, strategies to address foreseeable site disturbances (e.g., dumping, wildfires, unauthorized recreational activities, etc.), and maintenance of signage and fencing.

A draft LTMP will be provided to the Client for review prior to submittal to CDFW. This task includes two (2) rounds of revisions following the initial draft.

**Assumptions and Exclusions:** The Client will provide the Property Analysis Record (PAR) or equivalent analysis for CDFW to review. This task does not include time for long-term monitoring and reporting of the site.

**Deliverable:** Draft LTMP (word and PDF) and Final LTMP (word and PDF).

### **TASK 4: ON-SITE HABITAT MITIGATION AND MONITORING PLAN**

To comply with CDFW Measure 3.3 included in the LSAA, Michael Baker shall prepare a temporary impact Habitat Mitigation and Monitoring Plan (HMMP) for the project site. The HMMP is designed to document compensatory mitigation to offset the project's original jurisdictional impacts. The HMMP shall be prepared in accordance with the Corps' Los Angeles District Mitigation guidelines and Monitoring Requirements, dated April 19, 2004; Mitigation Rule (33 C.F.R. Part 332; 73 FR 19670-19687 (April 10, 2008)), the Corps' LA District's 2015 Mitigation Guidelines, and the State Water Resources Control Board's 2019 State Policy for Water Quality Control: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State. The Plan shall discuss:

- **Responsibilities and qualifications of the personnel to implement and supervise the plan.** The responsibilities of the Applicant that would supervise and implement the plan shall be specified.
- **Baseline Information.** Site conditions will be documented for both the project's temporary impact areas, potential on-site mitigation locations, as well as surrounding locations comprised of native habitat that can be used as reference for the HMMP.
- **Site preparation and planting implementation.** Based on agency direction on mitigation type, site preparation may include: 1) impacted areas will be returned to original contours, 2) decompaction to encourage the re-establishment of native vegetation, 3) the control of all non-native plant species, and 4) a hydroseed mix appropriate to wetland and riparian vegetation within the project area, consisting entirely of seeds of native species.
- **Schedule.** A schedule of mitigation activities.
- **Maintenance plan/guidelines.** The Maintenance Plan shall include: (1) weed control; (2) herbivory control; (3) trash removal; (4) irrigation system maintenance (if required); (5) maintenance training; and (6) replacement planting.
- **Monitoring Plan.** The Monitoring Plan shall be described to include: (1) qualitative monitoring (i.e., photographs and general observations); (2) quantitative monitoring (i.e., randomly placed transects); (3) performance criteria, as approved by the above-listed resource agencies; (4) reporting timeline and requirements; and (5) annual reports, which shall be submitted to the resource agencies on a yearly basis, for five years. This task does not include monitoring of the restoration sites.
- **Adaptive Management Plan.** General procedures for adaptive management shall be outlined based on known challenges within the area (i.e., drought stress, invasive pest mitigation, herbivory). Following quantitative site assessments, patterns and trends related to site development will be reviewed and recommendations shall be made to correct any issues identified.

Pursuant to agency requirements, the HMMP will include a maximum of five (5) exhibits to enhance the written text and clarify the approach. Exhibits are anticipated to include: 1) Regional Vicinity Map; 2) Site Vicinity Map; 3) Project Impacts Map; 4) Mitigation Site Plan; and 5) On-Site Photographs. This task includes time for Geographic Information Systems (GIS) analysis.

**Assumptions and Exclusions:** This task includes one field day consisting of two (2) restoration ecologists to review and document the on-site mitigation locations. This task assumes one (1) round of formal (written and hard copy submittal) response to agency comments as needed, and two rounds of review/revisions to the HMMP is accepted before final by the Client. This task does not include survey-accurate drawings, planting plans, or irrigation plans stamped by a landscape architect or restoration engineer. These services can be provided under a subsequent scope and cost.

**Deliverables:** Draft HMMP (PDF) and Final HMMP (PDF)

## **TASK 5: EDUCATION PROGRAM TRAINING**

To comply with CDFW Measure 2.8 included in the SAA, Michael Baker will prepare an Education Program that will be presented to all project personnel prior to the initiation of project activities. The Education Program will include a discussion of the habitats and special-status species that

are known or likely to occur on and adjacent to the project site, any specific measures to protect such species, and what to do if the species is observed. Project specific measures to avoid or minimize impacts to biological resources and a discussion regarding invasive species, in accordance with Measure 2.8.1 will be included.

It is anticipated that an initial presentation of the Education Program will be provided at the project kick-off safety meeting held on-site immediately prior to construction. Spanish-language translation will be provided, if needed. The Education Program will be prepared as a pamphlet-style hand out that will be printed and distributed to project personnel and used to educate any new personnel that join the project after the initial Education Program training is provided. Logs of all project personnel that have completed the Education Program training will be maintained.

**Assumptions and Exclusions:**

- Michael Baker will provide 25 hard copies of the training for the initial training.
- This task does not include time to present the Education Program at a project kick-off/tailgate meeting. Time for presentation of the Education Program will be conducted as part of construction monitoring.

**Deliverable:** Microsoft Word and PDF of Education Program training submitted electronically, and 25 hard copies of the training provided at initial project kick-off.

## **TASK 6: PRE-CONSTRUCTION NESTING BIRD SURVEYS**

To comply with Measure 2.11.2, qualified Michael Baker biologists will conduct a pre-construction survey for nesting birds encompassing all suitable areas, including trees, shrubs, bare ground, burrows, cavities, and the bridge structure no more than 3 days prior to the initiation of project activities addressed by the Notification, regardless of time of year. If an active nest is found, 300 or 500-foot nest buffers will initially be set per Measure 2.11.3; however, it is also anticipated the qualified biologists will delineate an appropriate avoidance buffer around the nest based on their best professional judgement and experience. Buffers will be delineated with visible flagging and/or stakes so they are clear to all project personnel and will remain in place throughout construction as determined necessary by the biologist, or until the nest is no longer active. The construction foreman and crew will immediately be informed of the presence of an active nest and the biologist will mark/delineate the nest buffer in the field.

Results of the pre-construction nesting bird survey will be emailed to the County with a survey report summarizing the methods and results of the pre-construction survey prepared and submitted to the City within 5 days following conclusion of the final survey. Any subsequent nest monitoring or status checks will be conducted during construction monitoring and information regarding active nests documented in Daily Monitoring Reports.

**Assumptions and Exclusions:**

- This task provides for one pre-construction nesting bird survey completed by two biologists. Should construction start more than three days after survey completion, a new survey would be required.

**Deliverable:** The Nesting Bird Survey Report will be submitted electronically in Microsoft Word and PDF formats.

## TASK 7: BURROWING OWL HABITAT ASSESSMENT

To comply with Measure 2.12.1, qualified Michael Baker biologists will conduct a habitat assessment for burrowing owl at least 60 days prior to the initiation of project activities. The Habitat Assessment will be conducted pursuant to the 2012 Staff Report<sup>1</sup> guidelines and cover the project site and an appropriate buffer. Biologists will utilize binoculars to survey adjacent suitable habitats that may not be accessible. A report summarizing the methods and results of the habitat assessment will be finalized for submittal to CDFW within 10 days of survey completion.

### Assumptions and Exclusions:

- This task provides for 1 site visit by 2 biologists to complete the burrowing owl habitat assessment. If suitable habitat is determined present, biologists will simultaneously conduct a focused survey for burrowing owl.

Deliverable: The Burrowing Owl Habitat Assessment survey report will be submitted electronically in Microsoft Word and PDF formats.

## TASK 8: BURROWING OWL FOCUSED SURVEYS

To comply with Measure 2.12.2, qualified Michael Baker biologists will conduct focused surveys for burrowing owls if suitable habitat for the species is identified during the Habitat Assessment. Focused surveys would follow guidelines in the 2012 Staff Report and in consideration of survey guidance included in this measure regarding breeding season vs non-breeding season surveys. Following completion of focused surveys, Michael Baker will prepare a survey report in accordance with the 2012 Staff Report and submit the report to CDFW within 10-21 days of survey completion, or at least 21 days prior to commencement of project activities.

### Assumptions and Exclusions:

- It is assumed that the burrowing owl habitat assessment will identify the presence of suitable habitat, requiring the focused burrowing owl surveys included in this task.
- This task provides for 3 surveys, each completed by two biologists. The first focused survey will be conducted during the habitat assessment. This task provides for the remaining 3 surveys required to comply with minimal survey requirements of the 2012 Staff Report.

Deliverable: The Burrowing Owl Survey Report will be submitted electronically in Microsoft Word and PDF formats.

## TASK 9: BURROWING OWL AVOIDANCE AND MONITORING PLAN

To comply with Measure 2.12.5, in the event burrowing owl are detected during pre-construction surveys or occupy the project area after project activities have started, Michael Baker biologists will prepare a Burrowing Owl Avoidance and Monitoring Plan. This plan will be prepared in accordance with Measure 2.12.5 and submitted to the County and CDFW for review and approval no less than 30 days prior to the initiation of any project activities. The plan would detail number

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<sup>1</sup> California Department of Fish and Game. 2021. *Staff Report on Burrowing Owl Mitigation*. March 7. 36 pp.

and location of occupied burrows and detail avoidance actions and monitoring efforts for implementation during construction.

**Assumptions and Exclusions:**

- No site visit is included to complete this task. It is assumed sufficient field data on burrowing owl number and location will have been collected during the habitat assessment and any focused surveys.
- Michael Baker will respond to two rounds of comments by the County and/or CDFW on the draft plan.

**Deliverable:** *Draft and Final versions of the Burrowing Owl Avoidance and Monitoring Plan will be submitted electronically in Microsoft Word and PDF formats.*

## **TASK 10: LEAST BELL'S VIREO SURVEYS**

To comply with Measure 2.13, if project activities will occur between March 1 and September 15, a qualified biologist with the appropriate federal and State permits and approvals will conduct presence/absence surveys for the least Bell's vireo. The surveys will be conducted according to the Least Bell's Vireo Survey Guidelines (USFWS 2001) within a 500-foot buffer of the project site. A total of 8 surveys between April 10 and July 31, each conducted at least 10 days apart, are required. If the species is detected, project activities may not take place within 1,000 feet of occupied habitat from March 1 through July 31 and 500 feet of occupied habitat from August 1 through September 15. The results of the protocol surveys will be submitted to CDFW prior to the start of project activities.

**Assumptions and Exclusions:**

- Eight field surveys per USFWS protocol will be conducted.
- This task includes time to respond to 2 rounds of comments by County, USFWS, and/or CDFW on the survey report before accepted as final.
- Preparation of federal and/or State Incidental Take Permits in the event unavoidable impacts to this species are anticipated is not included in this task.

**Deliverable:** *Draft and Final versions of the Least Bell's Vireo Survey Report will be submitted electronically in Microsoft Word and PDF formats.*

## **TASK 11: CALIFORNIA BLACK RAIL AND YUMA RIDGEWAY'S RAIL SURVEYS**

To comply with Measure 2.14, if project activities will occur between February 15 and September 30, a qualified biologist with the appropriate federal and State permits and approvals will conduct presence/absence surveys for California black rail and Yuma Ridgeway's rail. The surveys will be conducted according to the Yuma Ridgeway's Raily Survey Protocol for Project Evaluation (USFWS 2017) within a 500-foot buffer of the project site. A total of 6 callback surveys between March 1 and May 15 are required. If the species is detected, project activities may not take place until after September 30 and must stop by February 15. CDFW shall be notified in writing of detection of any detections of this species within 3 days. The results of the protocol surveys will be submitted to CDFW within 14 days of survey completion.

**Assumptions and Exclusions:**

- Six field surveys per USFWS protocol will be conducted.

- This task includes time to respond to 2 rounds of comments by County, USFWS, and/or CDFW on the survey report before accepted as final.
- Preparation of federal and/or State Incidental Take Permits in the event unavoidable impacts to this species are anticipated is not included in this task.

*Deliverable:* Draft and Final versions of the California Black Rail and Yuma Ridgway's Rail Survey Report will be submitted electronically in Microsoft Word and PDF formats.

## TASK 12: SPECIAL-STATUS SMALL MAMMAL SURVEYS

To comply with Measure 2.15, a qualified biologist will conduct a visual survey of the entire project site, access route, and appropriate buffer for Palm Springs pocket mouse and Palm Springs round-tailed ground squirrel. The intent of the one-time survey is to identify any features/habitats (i.e., burrows, dens, cavities, etc.) suitable to support these special-status small mammals. Where an identifiable feature is present, the qualified biologist will mark the potentially occupied feature for avoidance. If special-status small mammals are detected, the CDFW will be notified within 24 hours and a set of species-specific avoidance measures will be provided that when implemented, will fully avoid impacts to the special-status small mammals. If full avoidance cannot be accomplished, work will be postponed and the CDFW will be contacted to discuss an appropriate path forward.

### Assumptions and Exclusions:

- One field survey will be conducted.
- This task includes time to respond to 2 rounds of comments by County, USFWS, and/or CDFW on the species-specific avoidance measures before accepted as final.

*Deliverable:* Draft and Final versions of the Special-Status Small Mammal Avoidance Measures will be submitted electronically in Microsoft Word and PDF formats, if necessary.

## TASK 13: BIOLOGICAL RESOURCE MONITORING

Measure 2.9 references conducting daily clearance surveys before the start and end of daily project activities and the LSAA contains other references to completing "daily" monitoring. As a result and at this time, Michael Baker anticipates daily monitoring during all project activities, anticipated for a 6-month period. Regular spot checks may become appropriate at some time during the project, rather than a daily presence on-site; however, at this time Michael Baker will be available to respond to requests from project personnel as they arise to remove wildlife, answer any questions, and generally provide as-needed support to confirm project measures are implemented. During construction monitoring, biologists would focus on compliance with measures related directly to construction, including:

- Confirming the project limits and/or any environmentally sensitive areas are clearly delineated with fencing or other boundary markers prior to the start of construction and that construction workers limit their activities, vehicles, equipment, and construction materials to the designated construction limits.
- Presenting the Education Program to on-site project personnel and documenting those that have attended/completed the training.
- Conducting pre-activity clearance surveys/sweeps of work areas prior to the day's activities and at the end of the day, focusing on any special-status species and nesting

birds, and relocating, when appropriate, wildlife from the work area to areas outside of designated work zones.

- Clearance surveys of excavations, pipes, and other construction materials for incidentally trapped wildlife.
- Artificial night protection from excessive sound.
- Confirming construction Best Management Practices, measures related to using clean equipment, and trash and pollution measures are implemented and in compliance.

In accordance with measures 2.3 and 2.4, the biological monitor has the authority to temporarily halt work if it is not in compliance with the LSAA or any other permit requirement or impacts to a special-status species is imminent and has not been previously identified and/or compensated for.

A daily monitoring report will be prepared for each monitoring site visit to document project activities, results of pre-activity sweeps, observations of any non-compliance and their resolution, any WEAP trainings provided, and other pertinent information related to compliance with the SAA and other regulatory permits. Weekly summaries of monitoring activities will be emailed to the County.

*Assumptions and Exclusions:*

- This task includes time for one biological monitor to be on-site for 40 days from start to finish of construction activities. A total of 12 hours a day is budgeted for time monitoring on-site, drive time to/from the site, and preparation of daily monitoring log.
- Time for senior oversight is included for coordination and reporting during construction monitoring.
- Please note that construction monitoring efforts may fluctuate from day-to-day. Shorter or longer days than 10 hours on-site, construction delays, or the unlikely event that more than one monitor is needed on-site will ultimately affect the level of effort for construction monitoring. Michael Baker will coordinate with County and the contractor to confirm that adequate biological monitoring is occurring to avoid and minimize unanticipated impacts to biological resources. ed on-site and depending on construction duration and time of year construction will occur.

*Deliverable:* Weekly monitoring summaries will be provided via email to County. Daily monitoring logs will be completed and filed and are available upon request.

## **TASK 14: PROJECT COMPLETION REPORT**

To comply with Reporting Measure 4.6 in the SAA, Michael Baker will prepare a Project Completion Report for submittal to CDFW no later than one month after the project is fully completed. The completion report will include the information required by the measure, including photo documentation, avoidance/minimization measures implemented, biological survey notes (including construction monitoring), and the Table of Mitigation Measures included in the LSAA with notes showing status and date of implementation and completion for each of the mitigation measures listed.

*Assumptions and Exclusions:*

- No site visit is included to complete this task. Information gathered during survey and monitoring efforts will be utilized to prepare the completion report.
- Michael Baker will respond to one round of comments by the County and/or CDFW on the completion plan.

*Deliverable: Draft and Final versions of the Project Completion Plan will be submitted electronically in Microsoft Word and PDF formats.*

## TASK 16: PROJECT MEETINGS AND MANAGEMENT

Michael Baker's Project Manager, lead biologist, and support staff will manage the tasks outlined above and will maintain close communication throughout the project to ensure that tasks are completed within the schedule and budget parameters. The Michael Baker project team will participate in project team meetings, as needed, with County to discuss project progress and any issues that arise. Michael Baker assumes a virtual project kick-off meeting with the selected contractor and virtual meetings over a 6-month period.

Additionally, under this task Michael Baker will perform administrative compliance tasks related to implementation of the SAA Measures, such as submitting project start and end notifications to the regulatory agencies, submitting resumes, and other reporting and administrative tasks related to regulatory permit compliance. Michael Baker anticipates it will support County with formal report submittals and communications with CDFW via the Environmental Permit Information Management System (EPIMS).

Michael Baker will also perform contract management functions under this task, including project team coordination, communications with County, and project tracking. This task also provides for the administration of the contract including billing and accounting functions by Michael Baker's staff.

### Assumptions and Exclusions:

- This task does not include time for an on-site meeting. If required, on-site meetings will be conducted under the biological resource monitoring task (Task 10).

## SCHEDULE

We are prepared to begin work immediately upon approval of this scope of work and receipt of an approved task order. We have the staff immediately available to commit to this project. The scope of work provided above would be scheduled and implemented when further construction details are available to comply with scheduling and reporting requirements included in the SAA. When further details regarding construction timing is available, Michael Baker will schedule pre-construction surveys and report submittals accordingly.

## PROJECT FEE

Table 2 provides a breakdown of costs per task included in the Scope of Work.

**TABLE 2: PROJECT FEE**

| <b>Task #</b>    | <b>Task Description</b>                                                 | <b>Labor</b>     | <b>ODCs*</b>    | <b>Fee</b>       |
|------------------|-------------------------------------------------------------------------|------------------|-----------------|------------------|
| 1                | Offsite Mitigation Site Due Diligence Review and Agency Coordination    | \$40,305         | \$843           | \$41,148         |
| 2                | Mitigation Site Enhancement Plan                                        | \$11,542         | \$0             | \$11,542         |
| 3                | Long Term Management Plan                                               | \$13,742         | \$0             | \$13,742         |
| 4                | On-Site Habitat Mitigation and Monitoring Plan                          | \$15,962         | \$281           | \$15,962         |
| 5                | Worker Environmental Awareness Program Training                         | \$1,500          | \$0             | \$1,500          |
| 6                | Pre-construction Nesting Bird Surveys and Report                        | \$6,370          | \$562           | \$6,932          |
| 7                | Burrowing Owl Habitat Assessment                                        | \$7,860          | \$562           | \$8,422          |
| 8                | Focused Burrowing Owl Survey and Report                                 | \$13,640         | \$2,248         | \$15,888         |
| 9                | Burrowing Owl Avoidance and Monitoring Plan                             | \$11,660         | \$0             | \$11,660         |
| 10               | Focused Least Bell's Vireo Survey and Report                            | \$21,580         | \$4,496         | \$26,076         |
| 11               | Focused California Black Rail and Yuma Ridgway's Rail Survey and Report | \$16,860         | \$3,372         | \$20,232         |
| 12               | Special-Status Small Mammal Survey and Report                           | \$5,120          | \$562           | \$5,682          |
| 13               | Biological Resources Monitoring                                         | \$201,930        | \$33,720        | \$235,650        |
| 14               | Project Completion Report                                               | \$9,040          | \$0             | \$9,040          |
| 15               | Project Management, Meetings, and Coordination                          | \$26,576         | \$0             | \$26,576         |
|                  |                                                                         |                  |                 |                  |
| <b>TOTAL FEE</b> |                                                                         | <b>\$403,927</b> | <b>\$46,646</b> | <b>\$450,573</b> |

\* Other direct costs include travel expenses for field surveys, vehicle mileage (standard IRS rate), field supplies, document reproduction, and messenger/mailling services.

June 12, 2026

Andy Cheah, PE  
Principal  
**Angenious Engineering Services, Inc.**  
26000 Towne Center Dr, Ste 100  
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Email: [andy.cheah@angenious-es.com](mailto:andy.cheah@angenious-es.com)

**Subject: Letter Proposal for Professional Surveying Services  
Avenue 50 Bridge Construction Staking  
Coachella, CA**

Dear Andy,

Pursuant to your request, we are pleased to present our proposal for providing professional surveying services for Avenue 50 Bridge over the Coachella Valley Storm Water Channel.

Based on what we believe are your goals, we propose providing the following services for the above-mentioned project.

- Task 1: Survey Control**  
Verify, establish, and maintain **4** monuments for horizontal and vertical control during the construction staking process as outlined in items 1 and 2 of the Bid Evaluation Report. *(Control disturbed or destroyed during construction by any party other than NV5 will be reset/replaced on a time and expenses basis).*
- Task 2: Removal Lines**  
Provide office calculations and one set of paint marks for removal lines. Paint marks will be set in line only on Tyler Street and Avenue 50; no grades will be provided. Cut sheets will be provided for this Removal Lines Scope of Services; 1 site visit is included in our fee estimate.
- Task 3: Rough Grading**  
Provide office calculations and one set of stakes for the Rough Grade Staking. Stakes will be set to a pre-determined offset for Avenue 50, Tyler Street, bridge approaches, access road, CV link, and channel grading. Cut sheets will be provided for this Rough Grade Scope of Services; 8 site visits are included in our fee estimate.
- Task 4: Curb and Gutter**  
Provide office calculations and one set of stakes for curb and gutter. Stakes will be set on a pre-determined offset to face of curb at intervals of 25 feet and at BC's, EC's and returns only. Grades will be marked to the top of the curb or flowline for Tyler Street, Avenue 50 Bridge approaches, and bridge deck. Cut sheets will be provided for this Curb and Gutter Scope of Services; 8 site visits are included in our fee estimate.

- Task 5: Water Line**  
Provide office calculations and one set of stakes for water lines. Stakes will be set at a predetermined offset from the centerline of the water pipe at intervals of 50 feet, including all appurtenances. No grades will be provided. Cut sheets will be provided for this Water Line Scope of Services; 3 site visits are included in our fee estimate.
- Task 6: Storm Drain**  
Provide office calculations and one set of stakes for storm drain lines, catch basins, manholes, outlet structures and head walls. Stakes will be set at a pre-determined offset at 25' intervals graded to invert or finish surface elevations. Cut sheets will be provided for this Storm Drain Scope of Services; 4 site visits are included in our fee estimate.
- Task 7: Abutments & Bents**  
Provide office calculations and two sets of stakes for Abutments & Bents set at a pre-determined offset graded to a plan elevation determined by the field engineer of contractor. Cut sheets will be provided for this Abutments & Bents Scope of Services: 6 site visits are included in our fee estimate.
- Task 8: Field Survey Certification**  
Provide office calculations and field survey locations (horizontal & vertical) of abutments & bents. This task includes multiple visits for each structure; a total of 10 site visits are included in our fee estimate.
- Task 9: Bridge Deck**  
Provide office calculations and one set of stakes for the Bridge deck centerline control stationing at 25' intervals along the edges of the bridge deck graded to finish grade elevation. Cut sheets will be provided for this Bridge Deck Scope of Services. Our fee estimate includes 8 site visits.
- Task 10: CV Link**  
Provide office calculations and one set of stakes for the CV Link edge of concrete at 25' intervals, graded to finish surface. Cut sheets will be provided for this CV Link Scope of Services: 2 site visits are included in our fee estimate.
- Task 11: Channel Access Road**  
Provide office calculations and one set of stakes for the Channel Access Road, stake edge of road or face of curb at 25' intervals graded at finish surface or top of curb including all handicap ramps. Cut sheets will be provided for this Channel Access Road. Scope of Services: 2 site visits are included in our fee estimate.
- Task 12: Maintenance Access Road**  
Provide office calculations and one set of stakes for the Maintenance Access Road; stake one side of the road at 50' intervals graded to finish grade. Cut Sheets will be provided for this Maintenance Access Road. Scope of Services: 1 site visit is included in our fee estimate.

**Task 13: Channel Slope Protection**

Provide office calculations and one set of stakes for Channel Slope Protection; stakes will be set at 50' intervals along the top at a pre-determined offset graded to finish grade as shown on the Channel plans. Cut Sheets will be provided for this Channel Slope Protection. Scope of Services: 4 site visits are included in our fee estimate.

**Task 14: Traffic Signal**

Provide office calculations and one set of stakes for Traffic Signal; stakes will be set at pre-determined offsets for signal poles, control boxes, and pull boxes. Cut Sheets will be provided for this Traffic Signal Scope of Services: 3 site visits are included in our fee estimate.

**Task 15: Administration and Consultation**

Provide office administration, safety meeting reports, attend site staff meetings, and additional services requested by the client.

**Task 16: Additional Services**

Additional services, staking, or re-staking will be provided upon client request on a T & M basis at the applicable Charge Rate Schedule. If additional services are requested by the client, a change order will be used for any re-staking or other added services. NV5 will produce a change order for the client's approval and signature at the time services are to be provided.

**Proposed Compensation**

All listed fees will be considered Time and Materials based on the attached rate schedule. NV5 will invoice monthly by subtotal groupings based upon time spent on each task.

We propose to provide the foregoing services for up to the following fees, and Client agrees to compensate NV5 for such services as indicated below:

**Breakdown of Total Fees**

|                                                 |                    |
|-------------------------------------------------|--------------------|
| <b>Task 1: Survey Control</b>                   | <b>\$8,735.00</b>  |
| <b>Task 2: Removal Lines</b>                    | <b>\$6,000.00</b>  |
| <b>Task 3: Rough Grading</b>                    | <b>\$41,450.00</b> |
| <b>Task 4: Curb and Gutter</b>                  | <b>\$42,015.00</b> |
| <b>Task 5: Water Line</b>                       | <b>\$16,007.50</b> |
| <b>Task 6: Storm Drain</b>                      | <b>\$26,615.00</b> |
| <b>Task 7: Abutments &amp; Bents</b>            | <b>\$47,620.00</b> |
| <b>Task 8: Field Survey Certification</b>       | <b>\$42,615.00</b> |
| <b>Task 9: Bridge Deck</b>                      | <b>\$48,525.00</b> |
| <b>Task 10: CV Link</b>                         | <b>\$23,165.00</b> |
| <b>Task 11: Channel Access Road</b>             | <b>\$14,165.00</b> |
| <b>Task 12: Maintenance Access Road</b>         | <b>\$10,885.00</b> |
| <b>Task 13: Channel Slope Protection</b>        | <b>\$31,770.00</b> |
| <b>Task 14: Traffic Signal</b>                  | <b>\$17,765.00</b> |
| <b>Task 15: Administration and Consultation</b> | <b>\$43,900.00</b> |
| <b>Task 16: Additional Services</b>             | <b>T &amp; M</b>   |

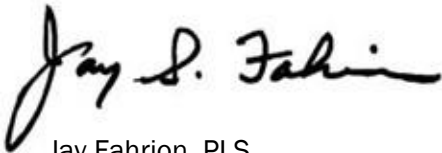
**Total Not to Exceed Budget:**

**\$421,232.50**

Reimbursable expenses for reprographics, postage, deliveries, and mileage will be billed at 1.15 x cost and the accepted IRS rate. Services not included in this scope may be provided upon a separate authorization.

We appreciate the opportunity to be of service to you. Please give me a call at 760.341.3101 if you have any questions regarding this proposal.

Sincerely,  
NV5, Inc.



Jay Fahrion, PLS  
Director of Survey



Mike Stys  
Senior Vice President, Geomatics

Attachment: 2026 PW Rate Schedule  
PP27626-0018423.00

# NV5, INC.

## Avenue 50 Bridge Project 2026 Prevailing Wage Charge Rates Schedule

### Technical Services

|                                       |               |
|---------------------------------------|---------------|
| Engineering Aide/Planning Aide .....  | \$90.00/hour  |
| Project Assistant.....                | \$100.00/hour |
| Project Administrator.....            | \$105.00/hour |
| CADD Technician I.....                | \$110.00/hour |
| CADD Technician II.....               | \$130.00/hour |
| CADD Technician III .....             | \$140.00/hour |
| Senior CADD Technician/Designer ..... | \$155.00/hour |

### Professional

|                                           |               |
|-------------------------------------------|---------------|
| Junior Engineer/Planner/Surveyor .....    | \$120.00/hour |
| Assistant Engineer/Planner/Surveyor ..... | \$140.00/hour |
| Associate Engineer/Planner/Surveyor ..... | \$160.00/hour |
| Senior Engineer/Planner.....              | \$170.00/hour |
| Associate Project Manager.....            | \$185.00/hour |
| Project Manager .....                     | \$250.00/hour |
| Associate.....                            | \$270.00/hour |
| Entitlement Engineer/Planner .....        | \$200.00/hour |
| Principal .....                           | \$325.00/hour |

### Construction Management

|                               |               |
|-------------------------------|---------------|
| Junior Field Engineer.....    | \$88.00/hour  |
| Assistant Field Engineer..... | \$109.00/hour |
| Associate Field Engineer..... | \$125.00/hour |
| Senior Field Engineer .....   | \$140.00/hour |
| Construction Manager .....    | \$256.00/hour |

### Surveying

|                           |               |
|---------------------------|---------------|
| 1-Person Field Crew ..... | \$205.00/hour |
| 2-Person Field Crew ..... | \$410.00/hour |
| 3-Person Field Crew ..... | \$480.00/hour |
| Senior Surveyor .....     | \$175.00/hour |
| Associate Surveyor.....   | \$160.00/hour |
| Survey Manager .....      | \$250.00/hour |
| Director of Survey .....  | \$275.00/hour |

### Expenses:

|                                  |               |
|----------------------------------|---------------|
| Messenger/Deliveries .....       | \$30.00/ea    |
| Mileage .....                    | \$0.70/mile   |
| Reproduction Charges:            |               |
| Data files on computer disk..... | \$8.00/ea     |
| 8.5 x 11 Copies .....            | \$0.10/page   |
| Bond/Blue prints .....           | \$4.50 / page |
| Vellum Prints.....               | \$12.00/page  |
| Mylar Prints.....                | \$20.00/page  |

Rates are effective through December 31, 2026. If contract assignment extends beyond that date, a new rate schedule will be added to the contract. Litigation support will be billed at \$325.00 per hour.  
Eff: 1.01.2026



City of Coachella  
Avenue 50 Bridge Over CVSC

ZTC PID: 26-S602

| Source Inspection for Structural Steel Fabrication |                                                                                                                                                   |                                                                                                            |                                           |                  |                        |                    |                          |                       |                   |                                                                               |                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|------------------------|--------------------|--------------------------|-----------------------|-------------------|-------------------------------------------------------------------------------|-----------------------|
| Item No.                                           | Item Description                                                                                                                                  | Sub. Items                                                                                                 | Inspection Type                           | Inspection Hours | Approx. Testing Budget | Testing Components | Prob. Source Location ** | Approx. Travel Budget | Engineering Hours | Engineering Function                                                          | Approx. Cost per Item |
| 73                                                 | 96" Cast-In-Drilled-Hole Concrete Piling<br><br>#5 1'-0" Welded Hoops<br>QTY: ~192 (~2 lots)<br><br>#7 5'-0" Welded Hoops<br>QTY: ~1296 (~9 lots) | Welded Hoops                                                                                               | QA Sampling & Verification Testing        | 48               | \$ 1,120               | Welded Hoops       | California               | \$ 300                | 8                 | Submittal Review (Splice Prequalification Report (SPR)) - Fabrication support | \$ 10,687.96          |
| 74                                                 | Prestressing Cast-In-Place Concrete<br><br>QTY: 10 Girders                                                                                        | Strands                                                                                                    | Sampling and Testing                      | 32               | \$ 4,800               | Strands            | California               | \$ 2,400              | 12                | Submittal Review - Testing Coordination                                       | \$ 14,735.94          |
|                                                    |                                                                                                                                                   | PT Anchorage                                                                                               | QA Testing and Releasing                  | 32               | \$ 1,400               | PT Anchorage       | California               | \$ 4,800              | 12                | Submittal Review - Testing Coordination                                       | \$ 13,735.94          |
| 11                                                 | JOINTED PLAIN CONCRETE PAVEMENT<br><br>QTY: 800 CY                                                                                                | Epoxy Coated Bars                                                                                          | QA Sampling & Verification Testing        | 96               | \$ 1,920               | Epoxy Coated Bars  | Utah, Nevada, California | \$ 19,200             | 24                | Submittal Review - Testing Coordination Fabrication support                   | \$ 41,284.68          |
| 76                                                 | Structural Concrete (Bridge)                                                                                                                      | Elastomeric Bearing Pads<br><br>20" x 20" x 5 1/2" (QTY: 20)<br>(QTY: 10 on Abut 1)<br>(QTY: 10 on Abut 6) | QA Testing                                | 0                | \$ 575                 | Bearing Pads       | Texas or Nevada          | \$ -                  | 8                 | Submittal Review - Testing Coordination                                       | \$ 2,203.76           |
|                                                    |                                                                                                                                                   | Neoprene Pad<br><br>1/8" x 1'-3" Neoprene Strip                                                            | QA Testing                                | 0                | \$ 575                 | Neoprene Strip     | Texas or Nevada          | \$ -                  | 8                 | Submittal Review - Testing Coordination                                       | \$ 2,203.76           |
| 80                                                 | Bar Reinforcing Steel (Bridge)<br><br>#7 7'-0" Welded Hoops<br>QTY: ~6540 (~44 lots)                                                              | Welded Hoops                                                                                               | QC/QA Sampling and Testing                | 128              | \$ 6,300               | Welded Hoops       | California               | \$ -                  | 32                | Splice Prequalification Report Review - Testing Coordination                  | \$ 33,186.24          |
|                                                    |                                                                                                                                                   | Couplers                                                                                                   | QC/QA Sampling and Testing                | 0                | \$ 7,360               | Couplers           | California               | \$ -                  | 24                | Splice Prequalification Report Review - Testing Coordination                  | \$ 12,246.28          |
| 81                                                 | Headed Bar Reinforcement                                                                                                                          | Headed Bars<br>#10 Headed Bars                                                                             | QC/QA Sampling and Testing                | 32               | \$ 2,760               | Headed Bars        | California               | \$ 200                | 12                | Submittal Review - Testing Coordination                                       | \$ 10,495.94          |
|                                                    |                                                                                                                                                   | Poles & Arms<br><br>Type 24-3-100<br>Type 1-A (QTY: 3)<br>Type 29-5-100<br>Type 19-1-100<br>Type 26-3-100  | CWI Source inspection, Sampling & Testing | 24               | \$ -                   | -                  | Nebraska or Oklahoma     | \$ 2,400              | 16                | Submittal Review - Fabrication support                                        | \$ 9,477.12           |



| Source Inspection for Structural Steel Fabrication |                            |                                                                                                                                                                                                                                                         |                                    |                  |                        |                            |                          |                       |                   |                                                               |                       |
|----------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------|------------------------|----------------------------|--------------------------|-----------------------|-------------------|---------------------------------------------------------------|-----------------------|
| Item No.                                           | Item Description           | Sub. Items                                                                                                                                                                                                                                              | Inspection Type                    | Inspection Hours | Approx. Testing Budget | Testing Components         | Prob. Source Location ** | Approx. Travel Budget | Engineering Hours | Engineering Function                                          | Approx. Cost per Item |
| 29                                                 | Electrical Street Lighting | Structural Fasteners - Anchor Rods<br><br>Anchor Bolts Sizes:<br><br>2 1/4" x 42 (Used for 24-3-200 Poles & 26-3-100 Pole)<br><br>1" x 3'-0" (Used for 1-A Pole)<br><br>2 1/4" x 42" (Used for 29-5-100 Pole)<br><br>2" x 42" (Used for 19-1-100 Poles) | QA Sampling & Verification Testing | 16               | \$ 2,040               | Anchor Bolts (F1554)       | California               | \$ 2,400              | 12                | Review Reports and Inspection Coordination - Submittal Review | \$ 9,429.54           |
|                                                    |                            | Structural Fasteners - High Strength Bolts                                                                                                                                                                                                              | QA Sampling & Verification Testing | 0                | \$ 1,530               | High Strength Bolts (A325) | California               | \$ -                  | 8                 | Review Reports and Inspection Coordination - Submittal Review | \$ 3,158.76           |
|                                                    |                            | LEDs, Luminaires, & APS                                                                                                                                                                                                                                 | QA Verification                    | 0                | \$ -                   | N/A                        | California               | \$ -                  | 8                 | Submittal Review                                              | \$ 1,628.76           |
|                                                    |                            | Service Enclosures & Cabinets<br><br>Type 332 Controller Cabinet<br>Type III-CF Cabinets                                                                                                                                                                | Source inspection                  | 16               | \$ -                   | -                          | California               | \$ -                  | 8                 | Submittal Review - Fabrication support                        | \$ 4,175.16           |



| Source Inspection for Structural Steel Fabrication |                                                                                                                                                             |            |                 |                  |                        |                    |                          |                       |                   |                                                                                      |                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|------------------|------------------------|--------------------|--------------------------|-----------------------|-------------------|--------------------------------------------------------------------------------------|-----------------------|
| Item No.                                           | Item Description                                                                                                                                            | Sub. Items | Inspection Type | Inspection Hours | Approx. Testing Budget | Testing Components | Prob. Source Location ** | Approx. Travel Budget | Engineering Hours | Engineering Function                                                                 | Approx. Cost per Item |
| SIQMP Engineering Works For 36 Months Duration     |                                                                                                                                                             |            |                 |                  |                        |                    |                          |                       |                   |                                                                                      |                       |
| Item No.                                           | Item Description                                                                                                                                            |            |                 | Inspection Hours | Approx. Testing Budget | Testing Components | Prob. Source Location    | Approx. Travel Budget | Engineering Hours | Engineering Function                                                                 | Approx. Cost per Item |
| N/A                                                | SIQMP Preparation and Approval, Revisions, and Addendums                                                                                                    |            |                 | 0                | \$ -                   | N/A                | N/A                      | \$ -                  | 40                | Submitting SIQMP to Caltrans and responding to comments + 2 Addendums                | \$ 8,143.80           |
| N/A                                                | Typical SMR work such as response ding to QAF-3101 and issuing 28/608 forms during the course of project, Resolving NCRs, attend construction meeting, etc. |            |                 | 0                | \$ -                   | N/A                | N/A                      | \$ -                  | 144               | Misc. SMR work for average of 1 hour per month                                       | \$ 29,317.68          |
| N/A                                                | Caltrans Monthly SIQMP Summary Report                                                                                                                       |            |                 | 0                | \$ -                   | N/A                | N/A                      | \$ -                  | 0                 | Preparing monthly SIQMP report for duration of the project average 2 hours per month | \$ -                  |
| N/A                                                | Caltrans METS quarterly IQA audit and response to audit                                                                                                     |            |                 | 0                | \$ -                   | N/A                | N/A                      | \$ -                  | 0                 | Caltrans Quarterly IQA audits - 8 hours for duration of each audit                   | \$ -                  |

|             |              |           |  |  |           |              |                       |               |
|-------------|--------------|-----------|--|--|-----------|--------------|-----------------------|---------------|
| Total Hours | 424          |           |  |  |           | 376          | Total Cost            |               |
| Total Cost  | \$ 67,479.60 | \$ 30,380 |  |  | \$ 31,700 | \$ 76,551.72 | Based on regular rate | \$ 206,111.32 |

|                 |                                                               |              |
|-----------------|---------------------------------------------------------------|--------------|
| ZTC Hourly Rate | Engineering Average Regular hourly rate                       | 203.60 \$/hr |
|                 | Source Inspection Average Regularly hourly rate - Include NDT | 159.15 \$/hr |

|    |                                                                              |
|----|------------------------------------------------------------------------------|
| *  | These cost estimates are not intended to be lump sums or guaranteed costs.   |
| ** | Material source location will be set by the Prime Contractor and their subs. |