THIRD AMENDMENT TO AGREEMENT BETWEEN THE CITY OF COACHELLA AND ANGENIOUS ENGINEERING SERVICES, INC. Project ST-81

THIS THIRD AMENDMENT ("Amendment") is made and entered into as of June 25th, 2025 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. <u>**RECITALS**</u>. This Amendment is made with the respect to the following facts and purposes:
 - a. On or about November 27th, 2019 the City and Consultant entered into that certain agreement entitled "City of Coachella Professional Services Agreement" between the City and Consultant in the amount of \$148,000 for project ST-81.
 - b. On or about October 6th, 2020 the City and Consultant entered into the "First Amendment to" agreement between the City and Consultant in the amount of \$15,000.00.
 - c. On or about January 22nd, 2025 the City and Consultant entered into the "Second Amendment to" agreement between the City and Consultant in the amount of \$49,500.00.
 - d. The parties now desire to amend the Agreement as set forth in this Amendment.

2. <u>AMENDMENT</u>

3.1 <u>General Scope of Services.</u> Section 3.1.1 of the Agreement is hereby amended to include the additional Scope of Services to be performed for the SR-86/Avenue 50 Interchange Project, ST-81 under this Amendment No. 3 referenced as EXHBIIT "A".

3.2 <u>Performance Period.</u> Section 3.1.2 of the Agreement is hereby amended to go into effect on June 25, 2025 contingent upon approval by City, and Consultant shall commence work after notification to proceed by City's Agreement Administrator. The Agreement shall end on June 30, 2027 unless extended by Agreement Amendment.

3.3 <u>Allowable Costs and Payments.</u> 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 <u>Amendment No. 3</u> is in the amount not to exceed <u>Three Million Five Hundred Eleven Thousand Two Hundred Sixty-One Dollars and Forty-Seven Cents (\$3,511,261.47).</u>

The amended total compensation shall not exceed **Three Million Seven Hundred Twenty-Three Thousand Seven Hundred Sixty-One Dollars and Forty-Seven Cents** (\$3,723,761.47) 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 <u>Continuing Effect of Agreement.</u> 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 <u>Adequate Consideration</u>. 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 <u>Counterparts</u>. 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:

By:_____

Andy Cheah Principal/ Project Manager

William B. Pattison Jr. City Manager

Approved as to Form:

BEST, BEST & KRIEGER

City Attorney

Attest:

Angela M. Zepeda City Clerk



June 17, 2025

Mr. Andrew Simmons, PE Director of Public Works/City Engineer City of Coachella, Engineering Department 53990 Enterprise Way, Coachella, CA 92236

RE: City Project No. ST-81 – SR-86/Avenue 50 New Interchange Project Cost Proposal

Dear Mr. Simmons:

AnGenious Engineering Services, Inc. (AES) would like to sincerely thank you for another opportunity to continue serving the City on the above-referenced project. We are pleased to submit our cost proposal.

We understand the City has budget constraints. Thus, we tailored our cost proposal based upon an estimated labor hours of the staffing plan with other direct costs, to perform the scope of work up to <u>65%</u> of Plans Specifications and Estimates (PS&E) submittal phase, and right of way acquisition assistance.

The total "Maximum Not-to Exceed" fee for these initial services to be rendered is **\$3,511,261.47**. AES, a certified DBE/SBE firm, coupled with Earth Mechanics, Inc., another DBE/SBE firm will provide a total of **53.65%** of the contract value, which exceeds the City's DBE goal. Please refer to the attached spreadsheet, which consists of the following requested details:

- 1. Cost proposal using Caltrans Exhibit 10-H1 template, with a maximum total fee for all services to be rendered and all materials.
- 2. Cost breakdown by task showing labor hours with hourly labor rates

With our **client focused solutions, ingenious ideas** combined with **sensible cost approach**, AES is the **"Right Team"** to deliver this project timely. AES always strives and commits to optimizing quality, utilization, and productivity in our sustainable engineering services within the City budget.

Should you have any questions, please feel free to contact me at (949) 599-5400 or via email at <u>Andy.Cheah@AnGenious-ES.com</u>.

Sincerely,

Andy Cheal

Andy Cheah, PE Principal/ Project Manager

Attachments

C. File

EXHIBIT "A"

SECTION III – SCOPE OF WORK

The following Scope of Work represents the effort preparation of Plans, Specifications and Estimates (PS&E) up to 65% submittal phase and Right Of Way (ROW) acquisition assistance services.

The plans, designs, reports, and other documents furnished under this Scope of Services will be provided in a professional manner in accordance with industry standards, and acceptable to the City of Coachella per Caltrans Project Development Procedures Manual. Criteria for acceptance of the deliverables will be neat in appearance, organized and technically and grammatically correct, reflecting the incorporation of City of Coachella and Caltrans review comments. The work will be checked to meet all the contract requirements.

Task 1. Project Management

1.1. Administration

Consultant will provide overall project management, coordination, and supervision of project staff to facilitate the performance of the work. Consultant will maintain project files using the Caltrans Uniform System in electronic format.

Consultant will prepare and submit monthly project progress reports to the City of Coachella Project Manager, which includes schedule, contract budget, general progress on project tasks, and project issues and concerns (see below).

Deliverables:

- Consultant shall include with the monthly progress report that reflects the work completed within the invoice period.
- Consultant will maintain copies of written correspondence between the Consultant and third parties pertaining specifically to the Project.
- Consultant will maintain project files in accordance with its Work Plan.
- Consultant shall also prepare Caltrans reporting forms and documents.

1.2. Coordination and Meetings

Consultant's Project Manager will take the lead in the coordination of all project activities, including coordination with other agencies, deliverables submissions, permits, and similar coordination efforts consistent with the scope of work.

- The Consultant shall conduct a project kick-off meeting with the City of Coachella staff. The Consultant will present the Work Plan, introduce the project team, request information, and conduct other similar activities. The Consultant shall prepare and distribute kick-off meeting minutes.
- Meeting Agendas and Minutes (electronic PDF).
- Consultant shall schedule, attend, and conduct monthly Project Development Team (PDT) meetings. The Consultant shall prepare and distribute PDT meeting minutes to all PDT members.
- Consultant shall attend other meetings as required (e.g., coordination with Caltrans, utility company, other agencies) to perform coordination and to execute the scope of work.

1.3. Quality Assurance and Quality Control

Consultant will have a Quality Assurance and Quality Control Plan in effect for the duration of the scope of services. The plan will establish a process whereby all deliverables are checked prior to any formal submission and all job-related correspondence and memoranda are appropriately filed. An appointed Quality Assurance Officer will monitor and review project activities and deliverable schedules.

• Quality Assurance and Quality Control Plan (electronic PDF)

EXHIBIT "A"

1.4. Project Schedule

Consultant will prepare and periodically update a project schedule with tasks and milestones represented in Microsoft Project format. Consultant will break down the schedule by logical tasks consistent with the scope of work and with enough detail to track project progress. Both a baseline schedule and tracking updates are required. The schedule must reflect <u>realistic</u> estimates of review periods by other agencies for tasks, such as reports, plans, permits, and coordination.

• Baseline project schedule and monthly schedule updates shall be in Microsoft Project 2013 (or newer) (electronic PDF)

1.5. Risk Management

Consultant will prepare a Project Risk Management (PRM) matrix to identify, analyze and track project risks through all phases of project delivery, including communicating, managing and responding to Project Development Team members:

- o Identify and assess risks and determine the risk owners.
- Develop responses to risks.
- Document risk response actions and report to PDT members for inclusion in risk management updates.
- Communicate new risks to PDT members.
- Retire risks.

1.6. Project Budget, Cost Accounting and Reporting

Consultant will establish and apply internal accounting methods and procedures acceptable to the City of Coachella for documenting and monitoring contract costs. Consultant will submit a consolidated monthly invoice in a format acceptable to the City of Coachella broken down in a manner consistent with the Work Plan. Consultant shall include with the monthly progress report that reflects the work completed within the invoice period.

Deliverables:

- *Monthly invoices*
- Progress reports, and
- Caltrans LAPM Exhibit 9-F: Disadvantaged Business Enterprise (DBE) running tally of payments (electronic PDF)

1.7. State & Federal Funding Assistance

Consultant will perform the necessary preliminary engineering with supporting data and recommendations to assist with funding applications. The Consultant will assist the City of Coachella in preparing funding applications per Caltrans' Local Assistance Procedures Manual (LAPM) to seek available funds.

EXHIBIT "A"

FINAL DESIGN AND ROW ACQUISITION PHASE (Tasks 2 to 5)

All dimensions shall be in the United States customary units, as known as "English Unit". All plans shall be prepared in accordance with the Caltrans Plans Preparation Manual (PPM) requirements listed below:

- Layout Plans with existing and proposed State right of way (ROW).
 - Horizontal Scale: 1" = 50'
 - o Reference to Caltrans Standard Plans, or
 - City Standard Drawings and Specifications within City's ROW, as appropriate.

Design Standards (most current version at the time of this contract execution)

- 1. Roadway design shall be in accordance with the Caltrans Highway Design Manual and Caltrans Standard Plans, and the American Association of State Highway Transportation Officials' (AASHTO) *A Policy on Geometric Design of Highways and Streets*, Riverside County Standard Drawings, and the California version of the Manual on Uniform Traffic Control Devices (CA-MUTCD), as appropriate.
- 2. Bridge design shall be in accordance with the AASHTO LRFD Bridge Design Specifications, 8th Edition with the California Amendments as the primary Caltrans bridge design specifications, bridge design details, bridge design aids, bridge seismic design criteria (most current version), the Structures Technical Guidelines, and the Structures Technical Policies manuals.
- 3. The "Greenbook" Standard Plans for Public Works Construction for local roads, as appropriate.
- 4. Specifications shall be in accordance with Caltrans Standard Specifications for the lead agency's standard bid documents and the "Greenbook" Standard Specifications for Public Works Construction for local roads only.
- 5. Federal Americans with Disabilities Act (ADA) requirements 28 CFR, Part 35 or Part 36.

Task 2. Draft Final Design Services (PS&E)

2.1. Engineering and Photogrammetric Surveys

Mapping and Surveys and preparation of Base Maps were performed during the PA/ED phase. CONSULTANT shall review Project Mapping and Project Survey Control prepared to ensure completeness and accuracy. CONSULTANT shall inform the City of Coachella Project Manager if there is incomplete or missing data in the Design Base Maps.

2.2. Prepare Draft Plans

CONSULTANT shall request, collect, assemble, and review pertinent project information, including, but not limited to, prior project related reports and Engineering Technical Reports, Environmental Documents and Environmental Technical Reports, CAD files and drawings, and relevant correspondence. CONSULTANT shall incorporate the collected materials and information into the Project Master File.

CONSULTANT shall prepare the plan set for the project following the Riverside County Standard Plans as appropriate. Preparation of the roadway PS&E plan set shall include, but not be limited to, the preparation of the following roadway engineering sheets:

Deliverables:

- 35% PS&E SUBMITTAL
 - 1. Title Sheet
 - 2. Typical Cross Sections
 - 3. Plan and Profile Sheets
 - 4. Utility Plans
 - 5. Signing and Pavement Delineation Plans

- 6. Structures Type Selection Plan and Report including General Plan (GP) and Foundation Plan (FP)
- 7. Preliminary Foundation Report (for Bridge)

2.3. Prepare Draft Cost Estimates

CONSULTANT shall prepare cost estimates based on the preliminary design for the project. Preparation of the cost estimates shall include itemized bid items list and estimated quantities.

2.4. Drainage Report

CONSULTANT will prepare the Draft and Final Roadway Drainage Report in accordance with Riverside County Criteria. Reports will be prepared for the 35%, 65% and 95% PS&E submittals. The Roadway Drainage Report will identify strategies and requirements for use by the design engineer to prepare the drainage plan sheets associated with preferred alternative.

The Roadway Drainage Report will address the existing drainage condition and the proposed mitigation and design. This report shall consider both onsite and offsite systems. Flood width calculations will be prepared to determine inlet spacing and locations. The scope of the drainage plans is based on utilization of existing cross culverts and downstream drainage systems for tying in new or relocated drainage systems or extending existing systems. Analysis and design for upgrade of any deficient existing off-site or downstream/upstream on-site drainage facilities, if such facilities are not impacted by the roadway work, are not included in this Scope of Work. The upsizing of cross culverts is beyond the scope of this project. If it is determined that existing cross culverts will need to be modified, the analysis, design and construction plans will be per separate Addendum to be approved by the CITY OF COACHELLA. Temporary Drainage Plans and Calculations are excluded from this Scope of Work. The project does not appear to require extensive Temporary Drainage. CONSULTANT will prepare drainage plans, profiles, and quantities based on the drainage report.

CONSULTANT will delineate the tributary drainage subareas and prepare a Hydrology Map for the bridge roadway, bridge approaches and roadway identified in Phase 1. CONSULTANT will prepare a Hydrology Analysis based on the Hydrology Map. The Hydrology Analysis will be prepared in accordance with the Caltrans and County of Riverside criteria. The drainage facilities will be designed for the 25-year storm event. Existing off-site hydrology for the highway crossculverts and regional facilities in the vicinity of the project will be referenced from previous drainage studies and will not be updated or verified for this Project. Previous reports will be utilized to determine hydraulic control for any new storm drain facilities that may be connected to these existing cross culverts and regional facilities. In the absence of such information, best professional judgement will be used to establish the required hydraulic controls.

CONSULTANT will prepare a storm drain Hydraulic Analysis based on the Hydrology Analysis. The Hydraulic Analysis will be prepared using the Water Surface Pressure Gradient (WSPG) computer program. The Roadway Drainage Report will identify strategies and requirements for use by the design engineer to prepare the storm drain plan and profile sheets for the proposed roadway.

It is assumed that SR-86/Avenue 50 project will not encroach Coachella Valley Water District (CVWD) facilities or Right-of-Way. Coordination with CVWD is excluded from this Scope of Work. It is further assumed that Trash BMPs are not required in the design because SR-86 is not designated as a Significant Trash Generating Area in the Caltrans Statewide Trash Implementation

Plan. Design and analysis of regional maintenance facilities (i.e. decanting sites) is not included in this scope.

Deliverables: • Roadway Drainage Report

2.5. Structures Type Selection Report, GP, FP, and Bridge Estimates

CONSULTANT shall prepare the Structures Type Selection Report, General Plan (GP), Foundation Plan (FP) and Bridge Estimates.

2.6. Geotechnical Reports

CONSULTANT will prepare Geotechnical and Foundation Reports in accordance with current Caltrans procedures and guidelines. The Geotechnical Reports will be used for recommendations to complete the plans and specifications. Design elements which require geotechnical support are listed below:

- New 2-span Avenue 50 Overcrossing (final bridge substructure width > 100').
- Approximately 750 feet long RW 65 along Avenue 50.
- 4 single-post overhead signs.
- Roadway and pavement structural sections.
- Infiltration testing at 10 locations (max. invert depth is 6 feet from existing grade).

Details of the proposed geotechnical services for the above design elements and deliverables are presented below.

2.6.1. Preliminary Foundation Report

A Preliminary Foundation Report will be prepared to provide preliminary geotechnical recommendations to assist structural designers in the Type Selection process for the bridge. This report will be prepared using available subsurface data and the format will be in accordance with current Caltrans Guidelines; no soil boring or testing will be performed.

Deliverable:

o A Preliminary Foundation Report

2.6.2. Soil Borings, Soil Sampling, and Soil Infiltration Testing

Caltrans is enforcing the AASHTO recommendations of a soil boring at each bridge support locations where substructure width is less than 100 feet; minimum of two borings are required per location where substructure width is greater than 100 feet. For retaining walls, a soil boring is required every 100 to 200 feet. Also, per Caltrans, a soil boring is required for every overhead sign. For proposed embankments and roadway improvements, a soil boring is proposed every 500 to 750 feet. Based on this, Consultant's geotechnical field investigation plan is presented in table below. Data obtained from some boreholes will be used for multiple design elements. The boreholes will be excavated using a truck-mounted or track-mounted drilling rig. Asphalt concrete cold-patch will be used to replace asphalt that is removed by excavations, and quick-set cement will be used to replace concrete that is removed by excavations.

Design Element	Proposed Number of Borings	Approximate Proposed Depth (feet)
Avenue 50 Overcrossing	4	80

Design Element	sign Element Proposed Number of Borings			
	2	150		
RW 65	3	30 - 50		
Overhead Signs	4	40		
Des deurse Leursenen ente	8	15 - 40		
Roadway Improvements	12	5		

A boring location plan will be prepared to secure the required encroachment permits. We assume permit fee will be waived or paid by the City. Prior to drilling, borehole locations shall be marked and cleared through DigAlert. Soil samples will be collected for laboratory testing, including bulk samples of near-surface soils and driven Standard Penetration Test (SPT) and Modified California Drive (MCD) samples of deeper soils. The driven soil samples shall be collected at vertical intervals of 5 feet or 10 feet. Samples of subsurface soils shall be logged during the field investigation, secured in their containers or collected in plastic bags, and transported to a soil testing laboratory.

Ten (10) infiltration testing will be performed. EMI will drill and install a well at each location. Depth of the wells will depend on the design invert elevation of the proposed basin but is assumed to be no more than 6 feet below existing ground. The wells will not be sampled, though the soil type will be observed for comparison and documented in well logs. Each well will be soaked overnight and infiltration testing will commence the following day. Well infiltration testing will be performed following USBR 7300-89 method.

Deliverable:

- A Boring Location Plan
- 2.6.3.Laboratory Testing

Various laboratory tests shall be performed to determine the physical and engineering characteristics of soils. The actual tests performed shall be based on conditions encountered. For planning purposes, the tests shall include in-place moisture and density, Passing #200 Sieve, grain size distribution, direct shear tests, UU triaxial, collapse potential, maximum density/optimum moisture content, R-value and soil corrosion tests. Tests shall be conducted in general accordance with California Test (CT) methods or American Society for Testing and Materials (ASTM) standards.

2.6.4. Geotechnical Engineering Analyses and Report Preparation

Results obtained from the field investigation and laboratory testing will be used to characterize subsurface soils and conditions and create idealized soil profiles for design purposes. The following analyses will be performed:

- Evaluation of seismicity and estimation of Peak Ground Acceleration based on the current Caltrans design criteria, and recommendation of an ARS curve for bridge.
- Assessment of soil liquefaction potential, seismic settlement, and lateral spreading.
- Foundation design recommendations for a bridge, a retaining wall, and 4 overhead signs.
- Assessment of global slope stability and settlement of the approach embankments.
- Estimation of soil infiltration rates.
- Evaluation of soil corrosivity conditions and recommendations for mitigation measures.
- Determination of pavement structural sections.

EXHIBIT "A"

Design Element	Review Agency	Deliverables
Avenue 50 Overcrossing	Caltrans	Foundation Report
RW 65	Caltrans	Foundation Report
Overhead Signs, Roadway Embankments, and Infiltration Test Results	Caltrans	Geotechnical Design Report
Pavement Structural Sections	Caltrans	Materials Report

Consultant will prepare the reports listed in table below.

Deliverables:

- Two Foundation Reports
- Geotechnical Design Report
- Materials Report

2.7. Utility Coordination and Research

CONSULTANT will coordinate with utility companies and perform utility as-built plans research Consultant will trace all utility lines shown on recorded as-built plans and prepare a base map in CADD format.

2.8. Right-of-way Requirements and Engineering

2.8.1. Prepare Right-of-way requirements

CONSULTANT will define the right-of-way requirements for the Project, including acquisitions, easements, and temporary construction easements.

2.8.2. Prepare Legal Descriptions and Plat Maps

Upon approval of the right-of-way requirements, the Consultant shall obtain Title Reports and prepare legal descriptions and plat maps.

Task 3. Right-Of-Way Acquisition Services

CONSULTANT will assist the City of Coachella on right-of-way acquisition services. Consultant shall ensure acquired properties are secure, accessible, and in compliance with all City of Coachella requirements until such time that they are incorporated into the project.

3.1. Appraisal

Consultant shall keep appraised and follow any revisions to applicable rules, codes, and regulations pertaining to the services to be performed.

Appraisal reports shall be prepared by Consultant for each affected parcel and submitted to the City of Coachella within sixty (60) days after the issuance of the Notice to Proceed or after obtaining the legal descriptions and/or plats from the design engineer. Review appraisals will be provided for each appraisal, in accordance with Caltrans, state and federal laws, as required.

Valuations of billboards that are impacted by the project will be provided by a specialty appraiser.

3.2. Acquisition Service

Consultant shall provide all services necessary to perform right-of-way acquisition on non-tribal lands, acquire title to real property in the assigned name by the City of Coachella, preparation of condemnation case information and recording deeds.

Consultant shall assist the City of Coachella on requesting the Bureau of Indian Affairs (BIA), tribal governments, and the Indian landowners to approve rights-of-way over or across Indian land per 25 CFR 169.

Consultant will develop and submit for the City of Coachella's approval all required forms to be used in the acquisition process. Review title search documents, right-of-way plans and legal descriptions in order to become familiar with the project and to verify that the information provided is accurate and consistent with approved appraisal reports. Provide supplemental title report updates and vesting documents, as requested and needed. Prepare agreements and present written offers of just compensation to property owners. Negotiate the acquisition of needed rightof-way parcels: prepare administrative settlements as necessary; open, coordinate, and monitor escrow activities through the close of escrow, sufficient to acquire title to real property in the of City of Coachella, as applicable. Activities may also include relocation of billboards impacted by the project.

Prepare and maintain planning, budgeting, scheduling, tracking and reporting documents. These will include project acquisition files, documenting offers, negotiations and contact logs, relocation computation and payments, relocation files and all required notices.

Deliverables:

• Obtain Right-of-Way Certification

Task 4. Permits/Agreements

4.1. Permits

CONSULTANT shall perform work to identify necessary permits to construct the project and obtain necessary permits and agreements needed to construct the project. Work as part of this task may include discussions with permitting agencies, preparation of the permit and attachments such as maps and other exhibits identifying funds necessary for the permit application and submitting the permit. A Natural Environment Study-Minimal Impacts and an Aquatic Resources Delineation Report will also be prepared to support permit applications. Discussions and negotiations with permitting agencies shall only be performed in consultation with the City of Coachella Project Manager or designee. It is assumed that permit work on the Avenue 50/SR-86 interchange will involve local drainage impacts only and permitting work with Coachella Valley Water District and Coachella Valley Stormwater Channel are excluded from this scope of work. Preparation of an Aquatic or Biological Resource Delineation Report is excluded from this scope.

Deliverables:

- o Clean Water Act Section 401 Water Quality Certification
- o Clean Water Act Section 404 Standard Individual Permit
- o California Fish and Game Code Section 1602 Streambed Alteration Agreement

4.2. Environmental Re-Validation

CONSULTANT will prepare an Environmental Re-Validation to the approved 2019 Initial Study/Environmental Assessment for the State Route 86/Avenue 50 New Interchange Project. The Environmental Re-Validation will be prepared in accordance with the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and Caltrans Standard

Environmental Reference (SER). The Environmental Re-validation will be submitted to Caltrans for review and approval.

The Environmental Re-validation will evaluate impacts due to changes in the project description. As it is unknown at this time what modifications to the project design will be necessary during the PS&E phase, this task assumes that any modifications would be minor, would occur within the limits of disturbance/APE identified in the IS/EA, and would involve updated traffic volumes. This task also assumes that project modifications would not require updates to any previously-approved technical studies for the project.

The documentation will note refinements to environmental issue areas addressed in the 2019 IS/EA and include qualitative analysis for specific environmental issue areas that would be potentially affected by the proposed modifications to the design previously approved in the Project Report and IS/EA.

4.2.1. Environmental Re-Validation Research and Data Collection

Michael Baker will review existing information and data related to the proposed project. Michael Baker will collect the aforementioned information and perform a detailed review of existing setting, methodology, and results. This information is expected to include, but not be limited to:

- 2019 IS/EA
- Previously-prepared technical studies used to support the IS/EA
- Updated reference documentation, including local General Plan/policy information and regulatory background documents
- Approved/Supplemental Project Report
- PS&E packages (65%, 95% etc.), depending on schedule and availability
- Current aerial photography of project area

4.2.2. Environmental Re-Validation Memorandum

Michael Baker will prepare a Re-validation Memorandum that will support the Environmental Revalidation to the 2019 IS/EA. The Re-validation Memorandum will provide a summary of key environmental topical areas affected by modifications to the project identified during the PS&E phase. The analysis within the memorandum will be qualitative, and excludes updates to any technical studies, field reconnaissance, or modeling. It is assumed up to ten (10) environmental topics will require discussion within the memo. The memo will summarize findings from the 2019 IS/EA, describe project changes in the context of the affected environmental topic, and provide confirmation that the project modifications would not result in any new significant adverse effects.

4.2.3. Environmental Re-Validation

Michael Baker will prepare the Environmental Re-validation in accordance with the Caltrans Environmental Re-validation Form within the Caltrans SER guidelines. The Environmental Re-Validation shall evaluate project impacts as a result of changes in current setting, changes in applicable laws, regulations and policies, and design changes as a result of PS&E work which were not identified in the approved Project Report (PR) and approved IS/EA.

The draft Re-Validation and supporting memorandum will be circulated for review and comment by Caltrans. This task assumes that Michael Baker will respond to two rounds

of comments from Caltrans on the Re-Validation. A final Environmental Re-validation Form will be submitted to Caltrans for approval.

4.2.4. Environmental Coordination & Meetings

This task accounts for project oversight, quality assurance, and quality control of the environmental deliverables. Michael Baker will undertake consultation and coordination of the project and the environmental review for compliance with CEQA/NEPA requirements. Michael Baker will provide management services to implement the work program and coordinate the effort with client/Caltrans staff.

Michael Baker's environmental staff will attend up to six (6) virtual meetings with the client and/or PDT to provide updates on the environmental process and discuss key issues.

Task 5. Draft Final Design Services – 65% PS&E Submittal

Upon written approval of 35% plans by the City of Coachella, final design and plan preparation shall commence. The Consultant shall finalize preparation of final plans, specifications, estimates and preliminary bid documents for construction of Project improvements, including:

- 1. Title Sheet
- 2. Typical Cross Sections
- 3. Plan and Profile Sheets
- 4. Construction Details
- 5. Grading Plans
- 6. Drainage Report and Plans
- 7. Water Plans
- 8. Utility Plans
- 9. Summary of Quantities
- 10. Stage Construction Plans
- 11. Signing and Pavement Delineation Plans
- 12. Traffic Signal and Street Lighting Plans
- 13. Retaining Wall Plans
- 14. Bridge Plans (Unchecked Details)
- 15. Bridge Independent Check
- 16. Draft Final Foundation Report
- 17. Cost Estimates
- 18. Preliminary Specifications

The remaining Tasks 6 to 10 are excluded from the current Scope of Work due to the City/CVAG budget limitation. These tasks are to be performed upon receiving the City's budget amendment authorization after completion of 65% PE&E Submittal.

Task 6. Draft Final Design Services – 95% PS&E Submittal

Upon written approval of 65% plans by the City of Coachella, draft final design and plan preparation shall commence. The Consultant shall finalize preparation of final plans, specifications, estimates and bid documents for construction of Project improvements, including:

- 1. Title Sheet
- 2. Typical Cross Sections
- 3. Plan and Profile Sheets
- 4. Construction Details
- 5. Grading Plans
- 6. Drainage Plans
- 7. Water Plans
- 8. Utility Plans
- 9. Summary of Quantities
- 10. Stage Construction Plans
- 11. Signing and Pavement Delineation Plans
- 12. Traffic Signal and Street Lighting Plans
- 13. Temporary Water Pollution and Erosion Control Plans
- 14. Retaining Wall Plans
- 15. Bridge Plans
- 16. Bridge Design Calculations
- 17. Bridge Independent Check
- 18. Bridge Quantity Calculations
- 19. Bridge Check Quantity Calculations
- 20. Final Foundation Report
- 21. Cost Estimates
- 22. Specifications

Task 7. Final Design Services – 100% PS&E Submittal

- 1. Title Sheet
- 2. Typical Cross Sections
- 3. Plan and Profile Sheets
- 4. Construction Details
- 5. Grading Plans
- 6. Drainage Plans
- 7. Water Plans
- 8. Utility Plans
- 9. Summary of Quantities
- 10. Stage Construction Plans
- 11. Signing and Pavement Delineation Plans
- 12. Traffic Signal and Street Lighting Plans
- 13. Temporary Water Pollution and Erosion Control Plans
- 14. Bridge Demolition Plans
- 15. Bridge Plans
- 16. Cost Estimates
- 17. Specifications

EXHIBIT "A"

Task 8. Resident Engineer File and Supplemental Materials

CONSULTANT shall be responsible for preparing the Resident Engineer's Pending File and other supplemental PS&E materials, which would include the following:

- Geotechnical Information Handout
- Materials Information Handout
- Construction Staking Package and Control
- Project Controls for Construction
- Construction Permits

Deliverables:

• *Resident Engineer's Pending File*

• Supplemental PS&E Materials

Task 9. Contract Bid Documents (Ready-To-List)

CONSULTANT shall assist the City of Coachella in the preparation of the Construction Contract Bid Documents. Under this task, the CONSULTANT shall develop a draft contract, which shall be consistent with the County standards. Draft contract shall include the plans, specifications, special provisions, applicable Federal, state and local laws, regulations, and requirements and item codes. All contract pay items may utilize the Basic Engineering Estimate System (BEES) coding.

Deliverables:Draft Construction Contract Package

Task 10. Construction Management Services (Optional Services)

Upon successful completion of PS&E phase. The City of Coachella will engage the Consultant to provide construction management, construction engineering and/or inspection, materials testing, construction surveying and public outreach services to administer the construction contract and prepare the as-built package.

The Consultant shall also provide a Resident Engineer. The Resident Engineer shall be assigned to direct and coordinate construction activities under this contract. The Resident Engineer shall be in the responsible charge of construction management overseeing field inspection, material testing and construction survey activities, and public outreach of the project.

Other assistant resident engineers/construction inspectors are to be assigned to specific project responsibilities as needed.

Offerors shall not include in their proposals any detailed scope and/or cost proposal for these services until further written request by the City of Coachella.

CITY OF COACHELLA		CO	ST PROPOS	SAL	Exhibit 10-H1	EXHIBIT '
SR-86 and Avenue 50 Brid	ge Over CVSC					-
	\checkmark	Prime Consult	ant 🗌	Subconsultar	nt 🗆	2nd Tier Sub
Consultant AnGenious E	ingineering Serv	<mark>/ices, Inc.</mark>				
Project No.			Contract No.	TBD	Date	17-Jun-25
DIRECT LABOR Classification/Title		Name		Hours	Hourly Rates	Total
Project Manager	A. Cheah	Name		1,022	\$128.00	\$130,816.00
Fr. Project Engineer	R. Ong			1,022	\$128.00	\$134,750.00
Project Engineer II	C. Manila			576	\$125.00	\$60,480.00
Project Engineer I	N. Khoo			404	\$105.00	\$38,380.00
Engineer III	A. Bui			440	\$85.00	\$37,400.00
Engineer II	D. Cheah			544	\$62.00	\$33,728.00
Engineer I	T. Bong			594	\$55.00	\$32,670.00
Admin Assistant	L. Chai			56	\$45.00	\$2,520.00
	E. Chur			4,714	Ş+3.00	\$470,744.00
ABOR COSTS				4,714		Ş470,744.00
a) Subtotal Direct Labor Cost	ts				\$470,744.00	
 Anticipated Salary Increas 		sample)		1	\$15,769.92	
, , ,			c) TOTAL	-	COSTS [(a) + (b)]	\$486,513.92
RINGE BENEFITS			•			. ,
l) Fringe Benefits (Ra	ite:)	e) Total F	ringe Benefits		
, 0 , ,				[(c) x (d)]	\$0.00	
NDIRECT COSTS	(5.)					
f) Overhead	(Rate	: <u>135.47%</u>	g) Over	head [(c) x (f)]	\$659,094.29	
			:) C 0 . A -	lune the [/ a \ / la \]	ć0.00	
h) General and Administrativ	ve (Rate	e:)	i) Gen & Ao	lmin [(c) x (h)]	\$0.00	
nj General and Administrativ	ve (Rate	:: <mark>)</mark>		-		¢650.004.20
nji General and Administrativ	ve (Rate	:: <mark>)</mark>		-	\$0.00 sts [(e) + (g) + (i)]	\$659,094.29
	ve (Rate	::)		-		\$659,094.29
IXED FEE (Profit)	ve (Rate	.:)	j) Tc	- otal Indirect Cos	s ts [(e) + (g) + (i)]	
-IXED FEE (Profit)	ve (Rate	.:)	j) Tc	- otal Indirect Cos		\$659,094.29 \$114,560.82
F IXED FEE (Profit) 1) (Rate: <u>10.00%</u>)	.:)	j) Tc	- otal Indirect Cos	s ts [(e) + (g) + (i)]	
IXED FEE (Profit)) (Rate: <u>10.00%</u>) OTHER DIRECT COSTS (OD)		j) Tc	- ital Indirect Cos AL FIXED PROF	sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)]	
IXED FEE (Profit)) (Rate: <u>10.00%</u>) OTHER DIRECT COSTS (OD Description) c)	Unit(s)	j) To k) TOT	tal Indirect Cos AL FIXED PROF Unit Cost	sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total	
IXED FEE (Profit) (Rate: 10.00% OTHER DIRECT COSTS (OD Description Copy/Reprogra) c)	Unit(s) 17,500	j) To k) TOT Page	otal Indirect Cos AL FIXED PROF Unit Cost \$3.50	sts [(e) + (g) + (i)] IT [(c) + (j)] x (q)] Total \$61,250.00	
FIXED FEE (Profit) 10.00% 10.00% OTHER DIRECT COSTS (ODD) Description Copy/Reprogra Mails) c)	Unit(s) 17,500 50	j) To k) TOT Page Each	otal Indirect Cos AL FIXED PROF Unit Cost \$3.50 \$25.00	sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00	
IXED FEE (Profit) (Rate: 10.00%) OTHER DIRECT COSTS (OD Description Copy/Reprogra Mails Mileage) c)	Unit(s) 17,500 50 7,320	j) To k) TOT Page Each Miles	tal Indirect Cos AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700	sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$5,124.00	
FIXED FEE (Profit) a) (Rate: 10.00%) OTHER DIRECT COSTS (OD Description Copy/Reprogra Mails) c)	Unit(s) 17,500 50	j) To k) TOT Page Each Miles Trips	otal Indirect Cos AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00	sts [(e) + (g) + (i)] IT [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00	
FIXED FEE (Profit) (Rate: 10.00% OTHER DIRECT COSTS (OD) Description Copy/Reprogra Mails Mileage) c)	Unit(s) 17,500 50 7,320 60	j) To k) TOT Page Each Miles Trips 10% A	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative	Sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40	
IXED FEE (Profit)) (Rate: 10.00%) OTHER DIRECT COSTS (OD Description Copy/Reprogra Mails Mileage) c)	Unit(s) 17,500 50 7,320 60	j) To k) TOT Page Each Miles Trips	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative	sts [(e) + (g) + (i)] IT [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00	
FIXED FEE (Profit) (Rate: 10.00% OTHER DIRECT COSTS (OD Description Copy/Reprogra Mails Mileage Tolls) c)	Unit(s) 17,500 50 7,320 60	j) To k) TOT Page Each Miles Trips 10% A	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative	Sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40	
FIXED FEE (Profit) a) (Rate: 10.00% b) OTHER DIRECT COSTS (ODe Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants:) C) phics	Unit(s) 17,500 50 7,320 60 I) TOTAL	j) To k) TOT Page Each Miles Trips 10% A	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative	sts [(e) + (g) + (i)] IT [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40	\$114,560.82
FIXED FEE (Profit) q) (Rate: 10.00% copy/Reprogra Mails Mileage Tolls) C) phics	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	Sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94	
(Rate: 10.00%) OTHER DIRECT COSTS (OD Description Copy/Reprogra Mails Mileage Tolls n) Subconsultants: Earth Mechan Fehr and Peer) C) phics	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] IT [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89	\$114,560.82
FIXED FEE (Profit) a) (Rate: 10.00% b) OTHER DIRECT COSTS (ODE Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants: Earth Mechan Fehr and Peer GFT) C) phics	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] IT [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53	\$114,560.82
PIXED FEE (Profit) () (Rate: 10.00%) OTHER DIRECT COSTS (ODescription Copy/Reprogra Mails Mileage Tolls) C) phics	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] T [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95	\$114,560.82
FIXED FEE (Profit) () (Rate: 10.00%) OTHER DIRECT COSTS (ODD) Description Copy/Reprogra Mails Mileage Tolls n) Subconsultants: Earth Mechan Fehr and Peer GFT MBI NV5) C) phics iics is	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E Survey and Ma	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREO Traffic Signal nvironmenta pping	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] T [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72	\$114,560.82
FIXED FEE (Profit) a) (Rate: 10.00% b) OTHER DIRECT COSTS (ODecoded) Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants: Earth Mechan Fehr and Peer GFT MBI) C) phics iics is	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREO Traffic Signal nvironmental pping cquisitions	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] T [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72 \$178,835.39	\$114,560.82
FIXED FEE (Profit) q) (Rate: 10.00%) OTHER DIRECT COSTS (ODE Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants: Earth Mechan Fehr and Peer GFT MBI NV5) C) phics iics is	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E Survey and Ma Right of Way Ad	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC Traffic Signal nvironmenta pping cquisitions 10% A	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] T [(c) + (j)] x (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72 \$178,835.39 \$181,528.60	\$114,560.82
FIXED FEE (Profit) q) (Rate: 10.00%) OTHER DIRECT COSTS (ODE Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants: Earth Mechan Fehr and Peer GFT MBI NV5) C) phics iics is	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E Survey and Ma	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC Traffic Signal nvironmenta pping cquisitions 10% A	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] T [(c) + (j)] × (q)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72 \$178,835.39	\$114,560.82
FIXED FEE (Profit) () (Rate: 10.00%) OTHER DIRECT COSTS (ODD) Description Copy/Reprogra Mails Mileage Tolls n) Subconsultants: Earth Mechan Fehr and Peer GFT MBI NV5) C) phics iics is ners	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E Survey and Ma Right of Way Ad m) TOTAL SUI	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC Traffic Signal nvironmenta pping cquisitions 10% A BCONSULTA	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72 \$181,528.60 \$2,175,650.03	\$114,560.82 DBE
FIXED FEE (Profit) q) (Rate: 10.00%) OTHER DIRECT COSTS (ODE Description Copy/Reprogra Mails Mileage Tolls m) Subconsultants: Earth Mechan Fehr and Peer GFT MBI NV5) C) phics iics is ners	Unit(s) 17,500 50 7,320 60 I) TOTAL Geotechnical Streetlight and Structures Drainage and E Survey and Ma Right of Way Ad	j) To k) TOT Page Each Miles Trips 10% A OTHER DIREC Traffic Signal nvironmenta pping cquisitions 10% A BCONSULTA	AL FIXED PROF Unit Cost \$3.50 \$25.00 \$0.700 \$16.00 Administrative CT COSTS	sts [(e) + (g) + (i)] Total \$61,250.00 \$1,250.00 \$1,250.00 \$5,124.00 \$960.00 \$6,858.40 \$75,442.40 \$366,646.94 \$102,276.89 \$714,220.53 \$450,121.95 \$182,019.72 \$181,528.60 \$2,175,650.03	\$114,560.82

CITY OF COACHELLA	COST PROPOSAL	Exhibit 10-H1	EXHIBIT "B" Page 2 of 4
SR-86 and Avenue 50 Bridge Over CVS	с		
	🔲 Prime Consultant 🗌 Subconsulta	ant 🗌	2nd Tier Sub
Consultant AnGenious Engineering	<mark>; Services, Inc</mark> .		
Project No.	Contract No. TBD	Date	
1. Calculate Average Hourly Rate for 1st y	year of the contract (Direct Labor Subtotal c	livided by total	
Direct Labor <u>Subtotal</u>	Total Hours	Avg Hourly	2 Year Contract

per Cost Proposal		per Cost Proposal		Rate	Duration
	\$470,744.00	4,714	=	\$99.86	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$99.86	+	5%	=	\$104.85	Year 2 Avg Hourly Rate
Year 2	\$104.85	+	5%	=	\$110.10	Year 3 Avg Hourly Rate
Year 3	\$110.10	+	4%	=	\$114.50	Year 4 Avg Hourly Rate
Year 4	\$114.50	+	3%	=	\$117.94	Year 5 Avg Hourly Rate

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

	Estimated %		Total Hours		Total Hours	
	Completed Each Year		per Cost Proposal	per Year		
Year 1	33.00%	*	4714.0	=	1555.6	Estimated Hours Year 1
Year 2	67.00%	*	4714.0	=	3158.4	Estimated Hours Year 2
Year 3		*	4714.0	=	0.0	Estimated Hours Year 3
Year 4		*	4714.0	=	0.0	Estimated Hours Year 4
Year 5		*	4714.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	4714.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate		Estimated hours			
	(calculated above)		(calculated above)		Cost per Year	
Year 1	\$99.86	*	1556	=	\$155,345.52	Estimated Hours Year 1
Year 2	\$104.85	*	3158	=	\$331,168.40	Estimated Hours Year 2
Year 3	\$110.10	*	0	=	\$0.00	Estimated Hours Year 3
Year 4	\$114.50	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$117.94	*		=	\$0.00	Estimated Hours Year 5
	Total Dire	ect Labor Cost w	vith Escalation	=	\$486,513.92	
	Direct La	bor Subtotal bei	fore Escalation	=	\$470,744.00	
	Estimated total of Direct Labor Salary Increase					Transfer to Page 1

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:	Andy Cheah	Title *:	Principal
Signature :	Andy Cheal	Date of Certification (mm/dd/yyyy):	06/17/25
Email:	Andy.Cheah@angenious-es.com	Phone Number:	949-599-5400
Address: _	26000 Towne Centre Drive North, Suite 100, Foothill Ranch, CA 92610		

List services the Subconsultants are providing under the proposed contract:

CITY OF COACHELLA

SR-86 and Avenue 50 Bridge Over CVSC

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

	Fully Lo	oaded Hourly Rate (Direct Labor, overhead, and profit)	\$331.55	\$323.78	\$271.97	\$246.07	\$220.17	\$160.59	\$142.46	\$116.56		out
TASKS	ask No	Staff Name	A. Cheah	R. Ong	C. Manila	N. Khoo	A. Bui	D. Cheah	T. Bong	L. Chai	JRS	itho
		Staff Classification	Project Manager	Sr. Project Engineer	Project Engineer II	Project Engineer l	Engineer III	Engineer II	Engineer I	Admin Assistant	TOTAL HOURS	TOTAL COST without Labor Escalation
1	Proje	ct Management Services										
	1.1	Administration	80							8	88	\$27,456.13
	1.2	Coordination and Meetings	120	100						8	228	\$73,095.48
	1.3	Quality Assurance and Quality Control	120	120						8	248	\$79,570.99
	1.4	Project Schedule	80							8	88	\$27,456.13
	1.5	Risk Management	80	80						8	168	\$53,358.15
		Project Budget, Cost Accounting and Reporting	40							8	48	\$14,194.30
	1.7	Prepare Funding Applications	40			40			80	8	168	\$35,433.95
2	Draft	Final Design Services (35% PS&E)										
1		Surveys and Mapping	8	16							24	\$7,832.77
	2.2	Prepare Draft Plans	8	20	40		80		80		228	\$49,016.97
	2.3	Prepare Draft Cost Estimates	8	8		40		40			96	\$21,509.03
	2.4	Drainage Report	8	16							24	\$7,832.77
		Structures Type Selection Report, GP, & Estimate	8	16							24	\$7,832.77
		Geotechnical Design Report	8	8							16	. ,
		Utility Coordination and Research	24	24				40			128	\$33,030.25
		Right-Of-Way Requirements and Engineering	24	20		40	40		80		204	\$44,478.94
		2.8.1.Prepare Right-of-way requirements	24		40			80			144	\$31,683.34
		2.8.2.Prepare Legal Descriptions and Plat Maps	24	16	24						64	\$19,664.81
3	Right	-Of-Way Acquisition Services										
		Appraisal	40			40			40		160	\$41,754.05
		Acquisition Support Services	40	40		40			40		160	\$41,754.05
4		its/Agreements										
		Clean Water Act Section 401 Water Quality Certification	8					40			108	\$27,466.50
		Clean Water Act Section 404 Standard Individual Permit	8					40			108	\$27,466.50
		California Fish and Game Code Section 1602 Streambed	8	40	20			40			108	\$27,466.50
_		CVWD Encroachment Permit									0	\$0.00
5		Final Design Services – 65% PS&E Submittal										4
	5.1	Title Sheet	2	2		4			20		28	\$5,144.14
	5.2	Typical Cross Sections	8	24			80				136	\$34,563.65
1		Plan and Profile Sheets	8	40				40	_		182	\$40,598.82
1	5.4	Construction Details	8	16		40	40		40		144	\$32,180.66
		Grading Plans	8	40		120					208	\$56,010.51
		Drainage Report and Plans	8	16 16							44	\$13,272.19
1		Irrigation Lateral and Tile Drain System	8	20				40			24 108	\$7,832.77 \$26,430.41
1		Water Plans Utility Plans	8 24				40	40			108	\$26,430.41 \$38,003.43
1		Summary of Quantities	24	32			40	40			136	\$38,003.43
Í		Stage Construction Plans	8				40	40			108	\$26,430.41
I	2.11		٥	20	40			40			109	,450,450.4

EXHIBIT "B"

TOTAL COST with	
	28,375.92
	575,544.18
	82,236.61 28,375.92
	555,145.65
	53,143.83 514,669.81
	514,669.81 536,620.99
÷	50,020.33
	\$8,095.17
4	\$8,655.17 \$50,659.04
	522,229.58
7	\$8,095.17
	\$8,095.17
	\$5,418.19
Ś	534,136.76
	645,968.98
	532,744.74
	, 20,323.58
ş	43,152.81
	43,152.81
ç	28,386.62
	28,386.62
ç	528,386.62
	\$0.00
	\$5,316.47
Ş	35,721.53
Ş	641,958.88
	33,258.71
	57,886.87
ç	513,716.81
	\$8,095.17
	527,315.83
Ş	39,276.55
	32,776.86 27,315.83

	5.12	Traffic Handling and Detour Plans	8	20	40		40	40			148	\$35,237.10
	5.13	Signing and Pavement Delineation Plans	8	8	8		40	40	60		164	\$31,196.39
	5.14	Traffic Signal and Street Lighting Plans	8	8	8			24			48	\$11,272.56
	5.15	Temporary Water Pollution and Erosion Control Plans	8	8	8						24	\$7,418.34
	5.16	Retaining Wall Plans	8	20	40		40		60		168	\$37,361.06
	5.17	Bridge Plans	8	8	8						24	\$7,418.34
	5.18	Bridge Independent Check	8	8	8						24	\$7,418.34
	5.19	Cost Estimates	20	32		40			40		132	\$32,532.93
	5.20	Specifications	40	60							100	\$32,688.34
8	Resid	ent Engineer File and Supplemental Materials										
	8.1	Resident Engineer's Pending File									0	\$0.00
	8.2	Supplemental PS&E Materials									0	\$0.00
9	Contr	act Bid Documents (Ready-To-List)										
	9.1	Assemble Bid Package									0	\$0.00
	ΤΟΤΑ	LHOURS	1,022	1,078	576	404	440	544	594	56	4,714	\$1,219,321.76

Total Escalations\$40,847.28

Grand Total \$1,260,169.04

EXHIBIT "B"

\$36,417.54
\$32,241.46
\$11,650.19
\$7,666.85
\$38,612.66
\$7,666.85
\$7,666.85
\$33,622.78
\$33,783.40
\$0.00
\$0.00
\$0.00
\$1,260,169.04

CITY OF COACHELLA	Page 1 of 4				
SR-86/Avenue 50 New Interchange					
	Prime Const	ultant 🗹	Subconsulta	nt 🗆	2nd Tier Sub
Consultant Earth Mechanics, Inc.		_			
Project No.		Contract No.	TBD	Date	17-Jun-25
DIRECT LABOR					
Classification/Title	Name		Hours	Hourly Rates	Total
Principal/PM	Alahesh Thuraira	jah*	120	\$105.70	\$12,684.00
Principal Engineer / Geologist			140	\$81.60	\$11,424.00
Senior Engineer / Geologist			200	\$71.80	\$14,360.00
Sr. Project Engineer / Geologist			200	\$60.50	\$12,100.00
Project Engineer / Geologist			180	\$52.80	\$9,504.00
Sr. Staff Engineer / Geologist			140	\$49.60	\$6,944.00
Staff Engineer / Geologist			120	\$41.80	\$5,016.00
Senior Technician			260	\$54.10	\$14,066.00
			1,360		\$86,098.00
LABOR COSTS					
a) Subtotal Direct Labor Costs				\$86,098.00	
b) Anticipated Salary Increases (see page 2 f	or sample)			\$2,590.69	
		c) TOTAL	DIRECT LABOR	COSTS [(a) + (b)]	\$88,688.69
FRINGE BENEFITS					
d) Fringe Benefits (Rate: 50.72%)	e) Total F	ringe Benefits		
			[(c) x (d)]	\$44,982.90	
INDIRECT COSTS					
	ate: 117.17%	g) Over	head [(c) x (f)]	\$103,916.54	
	ate: 0.00%	-	dmin [(c) x (h)]		
, ,		_ ,			
		j) Tc	otal Indirect Co	osts [(e) + (g) + (i)]	\$148,899.44
FIXED FEE (Profit)					
q) (Rate:10.00%)		k) тот	AL FIXED PRO	FIT [(c) + (j)] x (q)]	\$23,758.81
I) OTHER DIRECT COSTS (ODC)	.	11			
Description	Quantity	Unit	Unit Cost	Total	
Drill Rig Rental	14	Day	\$6,250.00	\$87,500.00	
Traffic Control Rental	5	Day	\$2,500.00	\$12,500.00	
Mileage	4000	Mile	\$0.700	\$2,800.00	
R-Value	10	Test	\$250	\$2,500.00	
	1) 1014	AL OTHER DIREC		\$105,300.00	
m) Subconsultants:					
ing subconsultants.					
	m) ΤΟΤΛΙ ς	UBCONSULTA	ΝΤ'ς ΓΩςτς	\$0.00	
	III, IOTAL S	ODCONSOLIA	11 3 00313	Ş0.00	
	n) Total Other E	Direct Costs Incl	uding Subcons	ultants [(l) + (m)]	\$105,300.00
				(c) + (j) + (k) + (n)]	\$366,646.94
				(C) T ()) T (C) T (U)]	3300,040.94

 CITY OF COACHELLA
 COST PROPOSAL
 Exhibit 10-H1
 Page 2 of 4

 SR-86/Avenue 50 New Interchange
 Image: Prime Consultant Image: Prime Consultant Image: Prime Consultant Image: Prime Consultant Image: Prime Contract No.
 Subconsultant Image: Prime Contract No.
 <td

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total

Direct Labor <u>Subtotal</u>		Total Hours		Avg Hourly	2 Year Contract
per Cost Proposal		per Cost Proposal		Rate	Duration
	\$86,098.00	1,360	=	\$63.31	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$63.31	+	3%	=	\$65.21	Year 2 Avg Hourly Rate
Year 2	\$65.21	+	3%	=	\$67.16	Year 3 Avg Hourly Rate
Year 3	\$67.16	+	3%	=	\$69.18	Year 4 Avg Hourly Rate
Year 4	\$69.18	+	3%	=	\$71.25	Year 5 Avg Hourly Rate

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

	Estimated % Completed Each Year		Total Hours		Total Hours	
			per Cost Proposal		per Year	
Year 1	10.00%	*	1360.0	=	136.0	Estimated Hours Year 1
Year 2	80.00%	*	1360.0	=	1088.0	Estimated Hours Year 2
Year 3	10.00%	*	1360.0	=	136.0	Estimated Hours Year 3
Year 4		*	1360.0	=	0.0	Estimated Hours Year 4
Year 5		*	1360.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	1360.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$63.31	*	136	=	\$8,609.80	Estimated Hours Year 1
Year 2	\$65.21	*	1088	=	\$70,944.75	Estimated Hours Year 2
Year 3	\$67.16	*	136	=	\$9,134.14	Estimated Hours Year 3
Year 4	\$69.18	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$71.25	*		=	\$0.00	Estimated Hours Year 5
	Total Dire	=	\$88,688.69			
Direct Labor Subtotal before Escalation					\$86,098.00	
	Estimated to	tal of Direct Lab	=	\$2,590.69	Transfer to Page 1	

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:	Alahesh Thurairajah, PE, GE	Title *:	President
Signature :	Mahemanay	Date of Certification (mm/dd/yyyy):	06/17/25
Signature .		_(11111/00/уууу)	00/17/20
Email:	A.Thurairajah@earthmech.com	Phone Number:	714-751-3826
Address:	17800 Newhope Street, Suite B, Fountain Valley, CA 92708	-	

List services the Subconsultants are providing under the proposed contract: 541330 - Geotechnical Engineering 541380 - Laboratory Testing

CITY OF COACHELLA

SR-86/Avenue 50 New Interchange

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

F	ully Lo	aded Hourly Rate (Direct Labor, overhead, and profit)		\$311.48	\$240.46	\$211.58	\$178.28	\$155.59	\$146.16	\$123.18	\$159.42		oor
TASKSa	sk Nc	Staff Name		Alahesh Thurairajah*	0	0	0	0	0	0	0	ours	with Labor Ition
		Staff Classification	Subconsultants	Principal/PM	Principal Engineer / Geologist	Senior Engineer / Geologist	Sr. Project Engineer / Geologist	Project Engineer / Geologist	Sr. Staff Engineer / Geologist	Staff Engineer / Geologist	Senior Technician	TOTAL HOURS	TOTAL COST with Escalation
1 P	rojec	t Management Services											
1	.1	Administration										0	\$0.00
1	.2	Coordination and Meetings										0	\$0.00
1	.3	Quality Assurance and Quality Control										0	\$0.00
1	.4	Project Schedule										0	\$0.00
1	.5	Risk Management										0	\$0.00
1	.6	Project Budget, Cost Accounting and Reporting										0	\$0.00
1	.7	Prepare Funding Applications										0	\$0.00
2 D	raft	Final Design Services (35% PS&E)											
2	.1	Surveys and Mapping	NV5									0	\$0.00
2	.2	Prepare Draft Plans										0	\$0.00
2	.3	Prepare Draft Cost Estimates										0	\$0.00
2	.4	Drainage Report	Michael Baker International									0	\$0.00
2	.5	Structures Type Selection Report, GP, & Estimate	Transystem									0	\$0.00
2	.6	Geotechnical Design Report	Earth Mechanics	120	140	200	200	180	140	120	260	1,360	\$253,712.73
2	.7	Utility Coordination and Research										0	\$0.00
2	.8	Right-Of-Way Requirements and Engineering										0	\$0.00
		2.8.1.Prepare Right-of-way requirements										0	\$0.00
		2.8.2. Prepare Legal Descriptions and Plat Maps	NV5									0	\$0.00
Т	OTAL	HOURS		120	140	200	200	180	140	120	260	1,360	\$253,712.73
											Tota	l Escalations	\$7,634
												ODC	\$105,300
											G	rand Total	\$366,646.94

CITY OF COACHELLA SR-86/Avenua 50 New Interchange Project	COST PRC	POSAL	Exhibit 10-H1	XHIBIT "B' Page 1 of 4
	Prime Consultant	Subconsulta	nt 🗆 2	2nd Tier Sub
Consultant Fehr & Peers				
Project No.	Contrac	: No	Date	17-Mar-25
DIRECT LABOR				
Classification/Title	Name	Hours	Hourly Rates	Total
Principal In Charge/EOR		26	\$87.02	\$2,262.52
Project Manager		84	\$69.23	\$5,815.32
Sr. Engineering Technician		34	\$68.27	\$2,321.18
Sr. Project Engineer		84	\$50.48	\$4,240.32
Project Engineer		114	\$38.46	\$4,384.44
CAD Technician		128	\$48.32	\$6,184.96
Sr. Admin Assistant		61	\$57.69	\$3,519.09
		-		\$0.00
k		531		\$28,727.83
LABOR COSTS		•		
a) Subtotal Direct Labor Costs			\$28,727.83	
b) Anticipated Salary Increases (see page 2 for	sample)		\$1,129.43	
	c) TC	TAL DIRECT LABOR	COSTS [(a) + (b)]	\$29,857.26
FRINGE BENEFITS			_	
d) Fringe Benefits (Rate: 60.07%) e) To	tal Fringe Benefits		
		[(c) x (d)]	\$17,935.26	
INDIRECT COSTS				
f) Overhead (Rat	e: 90.65% g)	Overhead [(c) x (f)]	\$27,065.61	
h) General and Administrative (Rat		& Admin [(c) x (h)]		
	e. <u>30.07</u> // 1) Gen		\$9,137.22	
		j) Total Indirect Co	sts [(e) + (g) + (i)]	\$54,158.09
FIXED FEE (Profit) q) (Rate: <u>10.00%</u>)	k)	TOTAL FIXED PROI	TT [(c) + (j)] x (q)]	\$8,401.54
I) OTHER DIRECT COSTS (ODC)				
Description	Unit(s)	Unit Cost	Total	
Copy/Reprographics	2,000.00 Page	\$3.00	\$6,000.00	
Mails	18.00 Each		\$360.00	
Mileage	5,000.00 Mile		\$3,275.00	
Tolls	15.00 Trip:		\$225.00	
	I) TOTAL OTHER I		\$9,860.00	
m) Subconsultants:				DBE
				JUL
	10	% Administrative	\$0.00	
	m) TOTAL SUBCONSU		\$0.00	
	n) Total Other Direct Cost	Including Subcons	ultants [(l) + (m)]	\$9,860.00
		TOTAL COST	a) + (i) + (la) + (m))	6103 376 00
			c) + (j) + (k) + (n)]	\$102,276.89

CITY OF COA	CHELLA		COST PROPOS	SAL	Exhibit 10-H1	EXHIBIT "B" Page 2 of 4
SR-86/Aven	ua 50 New Interch	ange Project				
			Prime Consultant \square	Subconsi	ultant 🗌	2nd Tier Sub
Consultant	Fehr & Peers					
Project No.			Contract No.	TBD	Date	17-Mar-25
Direct Labor	Average Houriy Rat	e for 1st year of	the contract (Direct La	bor Subtot	al divided by tota	
Subtotal			Total Hours		Avg Hourly	2 Year Contract
per Cost Proposal			per Cost Proposal		Rate	Duration
	\$28,727.83		531	=	\$54.10	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$54.10	+	3%	=	\$55.72	Year 2 Avg Hourly Rate
Year 2	\$55.72	+	3%	=	\$57.40	Year 3 Avg Hourly Rate
Year 3	\$57.40	+	3%	=	\$59.12	Year 4 Avg Hourly Rate
Year 4	\$59.12	+	3%	=	\$60.89	Year 5 Avg Hourly Rate

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

	Estimated %		Total Hours		Total Hours	
	Completed Each Year		per Cost Proposal		per Year	
Year 1	5.00%	*	531.0	=	26.6	Estimated Hours Year 1
Year 2	60.00%	*	531.0	=	318.6	Estimated Hours Year 2
Year 3	35.00%	*	531.0	=	185.9	Estimated Hours Year 3
Year 4		*	531.0	=	0.0	Estimated Hours Year 4
Year 5		*	531.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	531.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate	alculated above) \$54.10 * \$55.72 * \$57.40 *			Cost per Year	
	(calculated above)		(calculated above)			
Year 1	\$54.10	*	27	=	\$1,436.39	Estimated Hours Year 1
Year 2	\$55.72	*	319	=	\$17,753.80	Estimated Hours Year 2
Year 3	\$57.40	*	186	=	\$10,667.07	Estimated Hours Year 3
Year 4	\$59.12	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$60.89	*		=	\$0.00	Estimated Hours Year 5
	ar 4 \$59.12 * 0 ar 5 \$60.89 * Total Direct Labor Cost with Escalation				\$29,857.26	
	Direct Lal	bor Subtotal bef	ore Escalation	=	\$28,727.83	
	Estimated to	tal of Direct Lab	or Salary Increase	=	\$1,129.43	Transfer to Page 1

EXHIBIT "B"

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:	Title *: Principal Date of Certification
Signature :	(mm/dd/yyyy):
Email:	Phone Number:
Address:	

List services the Subconsultants are providing under the proposed contract:

CITY OF COACHELLA

SR-86/Avenua 50 New Interchange Project

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

Full	lly Loaded Hourly Rate (Direct Labor, overhead, and profit)	\$269.35	\$214.29	\$211.32	\$156.25	\$119.04	\$149.56	\$178.57	\$0.00		out	÷ c
rasks ^a sk	k No Staff Name	0	0	0	0	0	0	0	0	JRS	ithe	with Ition
	Staff Classification	Principal In Charge/EOR	Project Manager	Sr. Engineering Technician	Sr. Project Engineer	Project Engineer	CAD Technician	Sr. Admin Assistant	0	TOTAL HOURS	TOTAL COST without Labor Escalation	TOTAL COST with Labor Escalation
1 Pro	oject Management Services											
1.1	1 Administration									0	\$0.00	\$0.00
1.2	2 Coordination and Meetings	8	16	4	8	8	0	6		50	\$9,702.43	\$9,948.33
1.3	3 Quality Assurance and Quality Control									0	\$0.00	\$0.00
1.4	4 Project Schedule									0	\$0.00	\$0.00
1.5	5 Risk Management									0	\$0.00	\$0.00
1.6	6 Project Budget, Cost Accounting and Reporting									0	\$0.00	\$0.00
1.7	7 Funding Assistance									0	\$0.00	\$0.00
5 Dra	raft Final Design Services – 65% PS&E Submittal											
5.1	1 Title Sheet									0	\$0.00	\$0.00
5.2	2 Typical Cross Sections									0	\$0.00	\$0.00
5.3	3 Plan and Profile Sheets									0	\$0.00	\$0.00
5.4	4 Construction Details									0	\$0.00	\$0.00
5.5	5 Grading Plans									0	\$0.00	\$0.00
5.6	6 Drainage Report and Plans									0	\$0.00	\$0.00
5.7	7 Water Plans									0	\$0.00	\$0.00
5.8	8 Utility Plans									0	\$0.00	\$0.00
5.9	9 Summary of Quantities	2	8	2	4	4	8	4		32	\$5,687.60	\$5,831.74
5.1	10 Stage Construction Plans									0	\$0.00	\$0.00
5.1	11 Signing and Pavement Delineation Plans									0	\$0.00	\$0.00
5.1	12 Traffic Signal, Ramp Metering and Street Lighting Plans	12	50	24	60	90	120	45		401	\$65,090.45	\$66,740.06
5.1	13 Bridge Demolition Plans									0	\$0.00	\$0.00
5.1	14 Bridge Plans									0	\$0.00	\$0.00
5.1	15 Bridge Independent Check									0	\$0.00	\$0.00
5.1	16 Cost Estimates	2	4	2	4	12	0	3		27	\$4,407.72	\$4,519.43
5.1	17 Specifications	2	6	2	8	0	0	3		21	\$4,032.76	\$4,134.96
6 Dra	raft Final Design Services – 95% PS&E Submittal											
TO	DTAL HOURS	26	84	34	84	114	128	61	0	531	\$88,920.96	\$91,174.51
										l Escalations	\$2,253.55	

Grand Total \$91,174.51

EXHIBIT "B"

CITY OF COA	-		OST PROPOS	SAL	Exhibit 10-H1	Page 1 of 4	
SR-86/Aver	ua 50 New Intercha	nge Project					
			Prime Consul	tant 🗹	Subconsulta	nt 🗆	2nd Tier Sub
	GFT (Previously known	<mark>n as TranSyste</mark>	ms)				
Project No.	TBD			Contract No.	TBD	Date	28-Feb-25
DIRECT LABO)R						
	fication/Title		Name		Hours	Hourly Rates	Total
Project Mana	ager		Andre Issa		340	\$100.92	\$34,312.80
Senior Bridge			Sam Xie		320	\$100.50	
Engineer II			Jaime Garcia		850	\$60.10	\$51,085.00
Engineer II			Shunji Jiang		230	\$60.10	\$13,823.00
Senior CAD T	echnician	F	aula Johnson		1,070	\$67.66	\$72,396.20
Engineer I		ŀ	Andre Castillo		680	\$41.44	\$28,179.20
Engineer II			Alvin Yep		680	\$46.04	\$31,307.20
Admin Assist	ant		Rachel Lopez		120	\$42.56	\$5,107.20
					4,290		\$268,370.60
LABOR COST	S						
a) Subtotal [Direct Labor Costs					\$268,370.60	
b) Anticipate	ed Salary Increases (see	page 2 for sa	mple)			\$8,075.27	
				c) TOTAL I	DIRECT LABOR	COSTS [(a) + (b)]	\$276,445.87
FRINGE BEN	EFITS						
d) Fringe Be	nefits (Rate:	49.89%)	e) Total F	ringe Benefits		
					[(c) x (d)]	\$137,918.85	
INDIRECT CO	STS						
f) Overhead		(Rate:	84.62%	g) Over	head [(c) x (f)]	\$233,928.50	
	nd Administrative	(Rate:			dmin [(c) x (h)]		
,			,	,		,	
				j) To	tal Indirect Co	osts [(e) + (g) + (i)]	\$371,847.34
FIXED FEE (P	rofit)						
q) (Rate:	10.00%)			k) тот	AL FIXED PROI	FIT [(c) + (j)] x (q)]	\$64,829.32
<i>ii</i> , (,			, -			· /
I) OTHER DIR	ECT COSTS (ODC)						
Description			Unit(s)		Unit Cost	Total	
	Copy/Reprographics		5	Submittals	\$100.00	\$500.00	
	Mails	-	5	Each	\$50.00	\$250.00	
	Mileage	-	600	Miles	\$0.580	\$348.00	
		-					
			m) TOTAL SU	BCONSULTA	NT'S COSTS	\$0.00	-
		n) 1	Total Other Di	rect Costs Incl	uding Subcons	ultants [(l) + (m)]	\$1,098.00
					TOTAL COST [((c) + (j) + (k) + (n)]	\$714,220.53

CITY OF COACHE	ELLA	COST PROPOSAL	Exhibit 10-H1	Page 2 of 4
SR-86/Avenua	50 New Interchange Proje	ct		
		🗆 Prime Consultant 🗹 Subco	nsultant 🗌 2n	d Tier Sub
Consultant G	FT (Previously known as	TranSystems)		
Project No.	TBD	Contract No. TBD	Date	28-Feb-25
1. Calculate Ave	erage Hourly Rate for 1st yea	r of the contract (Direct Labor Sub	total divided by tota	
Direct Labor		Total Hours	Avg Hourly	2 Year Contract

<u>Subtotal</u>		Total Hours		Avg Hourly	2 Year Contract
per Cost Proposal		per Cost Proposal		Rate	Duration
	\$268,370.60	4,290	=	\$62.56	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$62.56	+	3%	=	\$64.43	Year 2 Avg Hourly Rate
Year 2	\$64.43	+	3%	=	\$66.37	Year 3 Avg Hourly Rate
Year 3	\$66.37	+	3%	=	\$68.36	Year 4 Avg Hourly Rate
Year 4	\$68.36	+	3%	=	\$70.41	Year 5 Avg Hourly Rate

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

	Estimated %		Total Hours		Total Hours	
	Completed Each Year		per Cost Proposal		per Year	
Year 1	10.00%	*	4290.0	=	429.0	Estimated Hours Year 1
Year 2	80.00%	*	4290.0	=	3432.0	Estimated Hours Year 2
Year 3	10.00%	*	4290.0	=	429.0	Estimated Hours Year 3
Year 4		*	4290.0	=	0.0	Estimated Hours Year 4
Year 5		*	4290.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	4290.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate		Estimated hours						
	(calculated above)		(calculated above)		Cost per Year				
Year 1	\$62.56	*	429	=	\$26,837.06	Estimated Hours Year 1			
Year 2	\$64.43	*	3432	=	\$221,137.37	Estimated Hours Year 2			
Year 3	\$66.37	*	429	=	\$28,471.44	Estimated Hours Year 3			
Year 4	\$68.36	*	0	=	\$0.00	Estimated Hours Year 4			

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:	Ayman Salama	Title *:	Principal
		Date of Certification	
Signature	:	(mm/dd/yyyy):	
Email:	aesalama@transystems.com	Phone Number:	949-798-9385

Address: <u>6 Hutton Centre Dr, Suite 800, Santa Ana, CA 92707</u>

List services the Subconsultants are providing under the proposed contract:

CITY OF COACHELLA

SR-86/Avenua 50 New Interchange Project

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

	OF WORK - ESTIMATED HOURS WORKSHEET Loaded Hourly Rate (Direct Labor, overhead, and profit)		\$260.33	\$259.25	\$155.03	\$155.03	\$174.54	\$106.90	\$118.77	\$109.79		_	
TASKSask N	d Staff Name		Andre Issa	Sam Xie	Jaime	Shunji Jiang	Paula	Anure	Alvin Yep	Kacher	RS	with	
	Staff Classification	Subconsultants	Project Manager	Senior Bridge Engineer	Engineer II	Engineer II	Senior CAD Technician	Engineer I	Engineer II	Admin Assistant	TOTAL HOURS	TOTAL COST with Labor Escalation	TOTAL COST without Labor Escalation
1 Proje	ect Management Services												
1.1	Administration		40								40	\$10,413.37	\$10,743.22
1.2	Coordination and Meetings		80	40							120	\$31,196.77	\$32,184.96
1.3	Quality Assurance and Quality Control		80	80							160	\$41,566.80	\$42,883.48
1.4	Project Schedule		40								40	\$10,413.37	\$10,743.22
1.5	Risk Management										0	\$0.00	\$0.00
1.6	Project Budget, Cost Accounting and Reporting									120	120	\$13,174.58	\$13,591.90
1.7	Prepare Funding Applications										0	\$0.00	\$0.00
2 Draft	t Final Design Services (35% PS&E)												
2.1	Surveys and Mapping	NV5									0	\$0.00	\$0.00
2.2	Prepare Draft Plans										0	\$0.00	\$0.00
2.3	Prepare Draft Cost Estimates										0	\$0.00	\$0.00
2.4	Drainage Report	Michael Baker International									0	\$0.00	\$0.00
2.5	Structures Type Selection Report, GP, & Estimate	Transystems	100	100	100)	180	140	140		760	\$130,471.51	\$134,604.34
2.6	Geotechnical Design Report	Earth Mechanics									0	\$0.00	\$0.00
2.7	Utility Coordination and Research										0	\$0.00	\$0.00
2.8	Right-Of-Way Requirements and Engineering										0	\$0.00	\$0.00
	2.8.1.Prepare Right-of-way requirements										0	\$0.00	\$0.00
	2.8.2. Prepare Legal Descriptions and Plat Maps	NV5									0	\$0.00	\$0.00
5 Draft	t Final Design Services – 65% PS&E Submittal												
5.10	Summary of Quantities										0	\$0.00	\$0.00
5.11	Stage Construction Plans										0	\$0.00	\$0.00
5.12	Traffic Handling and Detour Plans										0	\$0.00	\$0.00
5.13	Signing and Pavement Delineation Plans										0	\$0.00	\$0.00
	Traffic Signal and Street Lighting Plans										0	\$0.00	\$0.00
5.15	Temporary Water Pollution and Erosion Control Plans	Michael Baker International									0	\$0.00	\$0.00
5.16	Retaining Wall Plans	Transystems		20	250	50	180	80	80		660	\$101,165.08	\$104,369.59
	Bridge Plans	Transystem		40	400)	550	240	80		1310	\$203,535.87	
5.18	Bridge Independent Check	Transystems		40	100) 180	160	40	200		720	\$109,734.55	\$113,210.50
5.19	Cost Estimates	Everyone - based on your work						180	180		360	\$40,619.57	\$41,906.24
5.20	Specifications	Everýone - baseu on ýour work									0	\$0.00	\$0.00
ΤΟΤΑ	L HOURS		340	320	850	230	1,070	680	680	120	4,290	\$692,291.48	\$714,220.53

,	<i>+•••=)=•=</i> ::•
Total Escalations	\$20,831
ODC	\$1,098
Grand Total	\$714,220.53

CITY OF COACHELLA

SR-86/Avenue 50 New Interchange Project

Consultant Michael Baker International, Inc.

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

Mather Text Mark Staff Classification Staff Classification Performant Mark Garcet Ress Output Performant Res Output Performant Res		Fully Loaded			\$312.93	\$248.84	\$145.80	\$151.20	\$127.62	\$211.43	\$162.36	\$138.86		ŗ	oor
Image matrix frame Image	ASKS		. Staff Name		Brad Losey	Perla Abarca	Garrett Ribas	Daniel Price	-		-	Trina Ming	IOURS	T without alation	with Labo tion
Internation Part of the second second second for the second second for			Staff Classification	Subconsultants	Project Manager	Technical Manager	Project Engineer I	Technical Specialist	Assistant Engineer	Environmenta I Manager	Environmenta I Specialist II	Environmenta Specialist	ТОТАL Н	TOTAL COS Labor Esc	AL
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	Project	Management Services												
13 Quality Quality Quality Quality Quarter Image Report		1.1	Administration		24	40							64	\$17,463.76	\$18,150.3
Image: second		1.2	Coordination and Meetings		12	32							44	\$11,717.93	\$12,178.6
16 roject Budget, Cost Accounting and Reportin international international international international international 24 400 800 120 1 1 6 540, 467.11 542, 654 4 Perints/Reseachment Fermits International international International Internationa		1.3			4	32							36	\$9,214.50	\$9,576.7
2.4 Drainage Report Michael Baker International 4 2.4 40 80 120 Image Report 268 \$40,66,11 \$42,056 4 Permit/Agreements Image Report Michael Baker Image Report					6	32							38		\$10,227.2
4.1.1 Clean Water Act Section 40.1 Water Quality Michael Baker Image: Clean Water Act Section 100/Mater Act Sectin 100/Mater Act Sectin 100/Mater Act Section 100/Mater					4	24	40	80	120				268		\$42,058.0
Image: bit is the state of the sta	4	Permits	/Agreements												
4.1.3 California Fish and Game Code Section 1602 Michael Baker Image of the section 1602 Michael Baker <td></td> <td>4.1.1</td> <td>Clean Water Act Section 401 Water Quality</td> <td>Michael Baker</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>16</td> <td>64</td> <td>48</td> <td>128</td> <td>\$20,438.99</td> <td>\$21,242.5</td>		4.1.1	Clean Water Act Section 401 Water Quality	Michael Baker						16	64	48	128	\$20,438.99	\$21,242.5
4.4 CVWD Encreachment Permit Image: Constraint of the second of the sec		4.1.2	Clean Water Act Section 404 Standard Individual	Michael Baker						16	64	48	128	\$20,438.99	\$21,242.5
4.2.1 Environmental Re-Validation Research and Data Michael Baker Image: Constraint of the constrain		4.1.3	California Fish and Game Code Section 1602	Michael Baker						20	64	48	132	\$21,284.70	\$22,121.5
4.2.2 Environmental Re-Validation Memorandum Michael Baker Image of the second sec		4.4	CVWD Encroachment Permit										0	\$0.00	\$0.0
4.2.3 Environmental Re-Validation Michael Baker Image of the second seco		4.2.1	Environmental Re-Validation Research and Data	Michael Baker						6	32	40	78	\$12,018.37	\$12,490.8
4.2.4 Environmental Coordination & Meetings Michael Baker Image Report and Plans Michael Baker R 40 12 24 8 44 57,544.60 57,841.00 5 Draft File Design Services - 65% PS&E Submittal Image Report and Plans Michael Baker 8 40 120 800 240 Image Report R888 \$72,679.41 \$575,536 5.16 Cost Estimates Image Report and Plans Michael Baker 8 400 120 800 240 Image Report R888 \$72,679.41 \$575,536 5.16 Cost Estimates Image Report and Plans Michael Baker 8 400 120 400 100 100 100 500 500 500 500 500 500 500 500 500 500 500 500,520 </td <td></td> <td>4.2.2</td> <td>Environmental Re-Validation Memorandum</td> <td>Michael Baker</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> <td>40</td> <td>60</td> <td>108</td> <td>\$16,517.26</td> <td>\$17,166.6</td>		4.2.2	Environmental Re-Validation Memorandum	Michael Baker						8	40	60	108	\$16,517.26	\$17,166.6
5 Draft II-ID esign Services - 65% PS&E Submittal International International R 400 100 800 2400 100 100 488 572,679.14 575,530 5.6 Drainage Report and Plans Michael Baker International R 400 120 800 2400 100 100 488 572,679.14 575,530 5.16 Cost Estimates		4.2.3	Environmental Re-Validation	Michael Baker						12	60	40	112	\$17,832.99	\$18,534.0
5.6 $1000000000000000000000000000000000000$		4.2.4	Environmental Coordination & Meetings	Michael Baker						12	24	8	44	\$7,544.60	\$7,841.2
5.6 Drainage Report and Plans International 8 40 120 80 240 $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$ $<$	5	Draft Fi	nal Design Services – 65% PS&E Submittal												
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		5.6	Drainage Report and Plans		8	40	120	80	240				488	\$72,679.14	\$75,536.5
6 Draft Final Design Services - 95% PS&E Submittal international		5.16	Cost Estimates		2	4	24		40				70	\$10,225.38	\$10,627.3
6.6Drainage PlansMichael Baker International124012080200200452\$68,825.87\$71,5316.15Cost EstimatesCost Estimates2412404058\$8,475.78\$88,8056.16SpecificationsCost Estimates24124040658\$8,475.78\$88,8057Final Design Services - 100% PS&E SubmittalCost EstimatesCost Estimates281266622\$4,366.15\$4,5377.6Drainage PlansMichael Baker International824804014066202\$44,055.11\$45,7877.15Cost EstimatesCost Estimates228248024		5.17	Specifications		4	12	16						32	\$6,570.55	\$6,828.8
$ \frac{6.6}{1.5} \frac{1}{1.5} \frac$	6	Draft Fi	nal Design Services – 95% PS&E Submittal												
6.16Specifications 2 8 12 2 3 2 3 3 7Final D=services - 100% PS&E Submittal 2 2 8 12 2 3 2 3 3 3 7 7 .6Drainage PlansMichael Baker International 8 2 8 2 8 40 140 2 2 3 3 3 3 3 7.15Cost EstimatesCost Estimates 2 2 2 8 2 8 2 2 2 3 2 2 3 <td></td> <td>6.6</td> <td>Drainage Plans</td> <td></td> <td>12</td> <td>40</td> <td>120</td> <td>80</td> <td>200</td> <td></td> <td></td> <td></td> <td>452</td> <td>\$68,825.87</td> <td>\$71,531.7</td>		6.6	Drainage Plans		12	40	120	80	200				452	\$68,825.87	\$71,531.7
6.16Specifications 10 2 8 12 10 10 10 22 $$4,366.15$ $$4,376.15$ 7 Final D=services - 100% PS&E Submittal 10		6.15	Cost Estimates		2	4	12		40				58	\$8,475.78	\$8,809.0
7 Final Design Services - 100% PS&E Submittal Image Services - 100% PS Image Services - 100% PS <th< td=""><td></td><td></td><td></td><td></td><td>2</td><td>8</td><td>12</td><td></td><td></td><td></td><td></td><td></td><td>22</td><td></td><td>\$4,537.8</td></th<>					2	8	12						22		\$4,537.8
7.6 Drainage Plans International 8 24 80 40 140 6 292 \$44,055.11 \$45,787 7.15 Cost Estimates 2 2 8 24 24 80 40 140	7	Final De	esign Services – 100% PS&E Submittal												
7.16 Specifications 2 24 8 Image: Marcine State					8	24	80	40	140				292	\$44,055.11	\$45,787.1
		7.15	Cost Estimates		2	2	8		24				36	\$5,352.92	\$5,563.3
TOTAL HOURS 92 318 440 280 804 90 348 292 2,664 \$433,094.83 \$450,121		7.16	Specifications		2	24	8						34	\$7,764.35	\$8,069.6
		TOTAL H	IOURS		92	318	440	280	804	90	348	292	2,664	\$433,094.83	\$450,121.95
												^	and Total	\$450 121 95	

EXHIBIT "B"

Page 1 of 1

Grand Total \$450,121.95

SR-86/Avenua 50 New Interc	change Project					
onsultant		Prime Consulta	ant 🗹 Su	bconsultar	nt 🗆 2no	d Tier Sub
Jongunum	NV5, INC.					
Project No.		C	Contract No.		Date	
DIRECT LABOR						
Classification/Title		Name		Hours	Hourly Rates	Total
Project Manager	Jay Fahrion			250	\$93.75	\$23,437.50
enior Surveyor	Doug Boyle			280	\$50.12	\$14,033.60
enior Surveyor	David McCoppe	en		108	\$45.00	\$4,860.00
Survey Party Chief (PW)	Joshua Wehe *			80	\$82.26	\$6,580.80
urvey Instrument Person (PW)	Matthew Fahrio	on *		80	\$85.28	\$6,822.40
dmin Assistant	Chong Leong			16	\$45.67	\$730.72
				-		
				- 814		\$56,465.02
ABOR COSTS			I			,, iouiu
a) Subtotal Direct Labor Costs				_	\$56,465.02	
) Anticipated Salary Increases	(see page 2 for sa	ample)			\$2,219.92	
			c) TOTAL DIRI	ECT LABOR	COSTS [(a) + (b)]	\$58,684.94
RINGE BENEFITS I) Fringe Benefits (Rate:	: 25.92%	1	e) Total Fring	e Renefits		
i mige benefits (nate.	23.3270)		[(c) x (d)]	\$15,211.14	
NDIRECT COSTS				[(-) - (-)]	+) · - ·	
) Overhead	(Rate:	0.00%	g) Overhea	d [(c) x (f)]	\$0.00	
) General and Administrative	(Rate:		i) Gen & Admir	-		
	(nate.	110.5070			<i>\$05,770.40</i>	
			i) Total (Indirect Cos	+ [(-), (-), (3)]	
			j) Total		i ts [(e) + (g) + (i)]	\$84,987.53
IXED FEE (Profit)			j) Totan		ts [(e) + (g) + (l)]	\$84,987.53
	_)				T [(c) + (j)] × (q)]	\$84,987.53 \$14,367.25
q) (Rate: <u>10.00%</u>	_)					
a) (Rate: <u>10.00%</u> 1) OTHER DIRECT COSTS (ODC)	_)	Unit(s)	k) TOTAL F			
a) (Rate: <u>10.00%</u> 1) OTHER DIRECT COSTS (ODC)	_)	Unit(s)	k) TOTAL F		T [(c) + (j)] × (q)]	
) (Rate: 10.00%	_)	Unit(s)	k) TOTAL F		T [(c) + (j)] × (q)] Total	
a) (Rate: <u>10.00%</u> 1) OTHER DIRECT COSTS (ODC)	_)	Unit(s)	k) TOTAL F		T [(c) + (j)] × (q)] Total \$0.00	
a) (Rate: <u>10.00%</u> 1) OTHER DIRECT COSTS (ODC)	_)	Unit(s)	k) TOTAL F		T [(c) + (j)] × (q)] Total \$0.00 \$0.00	
a) (Rate: <u>10.00%</u> 1) OTHER DIRECT COSTS (ODC)	_)		k) TOTAL F	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00	
) (Rate: 10.00% OTHER DIRECT COSTS (ODC) Description	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00	
 (Rate: <u>10.00%</u>) OTHER DIRECT COSTS (ODC) Description n) Subconsultants: 	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00	
n) (Rate: 10.00% OTHER DIRECT COSTS (ODC) Description	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
 a) (Rate: 10.00% b) OTHER DIRECT COSTS (ODC) c) Description c) Subconsultants: c) AeroTech 	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
FIXED FEE (Profit) q) (Rate: <u>10.00%</u>) OTHER DIRECT COSTS (ODC) Description m) Subconsultants: AeroTech Fidelity Titl€ 10 PTR	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
a) (Rate: <u>10.00%</u>) OTHER DIRECT COSTS (ODC) Description m) Subconsultants: AeroTech	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
 a) (Rate: 10.00% b) OTHER DIRECT COSTS (ODC) c) Description c) Subconsultants: c) AeroTech 	_)		k) TOTAL F Page	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
 (Rate: 10.00% OTHER DIRECT COSTS (ODC) Description n) Subconsultants: AeroTech 	_)		k) TOTAL F Page THER DIRECT C	Unit Cost	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$14,375.00	
n) (Rate: 10.00% OTHER DIRECT COSTS (ODC) Description		I) TOTAL O	k) TOTAL F Page OTHER DIRECT CO 10% Admi CONSULTANT	Nistrative	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$14,375.00 \$14,375.00 \$2,180.00 \$23,980.00	\$14,367.25
) (Rate: 10.00% OTHER DIRECT COSTS (ODC) Description		I) TOTAL O	k) TOTAL F Page OTHER DIRECT CO 10% Admi CONSULTANT	IXED PROF	T [(c) + (j)] × (q)] Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$14,375.00 \$14,375.00 \$2,180.00	

CITY OF COAC	CHELLA		COST PROPOS	SAL	Exhibit 10-H1	EXHIBIT "B" Page 2 of 4
SR-86/Avenu	ua 50 New Interch	nange Project				
			Prime Consultant 🗵	Subconsu	ultant 🗌	2nd Tier Sub
Consultant	NV5, INC.					
Project No.			Contract No.	TBD	Date	
1. Calculate	Average Hourly Rat	e for 1st year of	f the contract (Direct La	bor Subtot	al divided by tota	I
Direct Labor <u>Subtotal</u>			Total Hours		Avg Hourly	2 Year Contract
per Cost Proposal			per Cost Proposal		Rate	Duration
	\$56,465.02		814	=	\$69.37	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$69.37	+	3.00%	=	\$71.45	Year 2 Avg Hourly Rate
Year 2	\$71.45	+	3.00%	=	\$73.59	Year 3 Avg Hourly Rate
Year 3	\$73.59	+	3.00%	=	\$75.80	Year 4 Avg Hourly Rate
Year 4	\$75.80	+	3.00%	=	\$78.07	Year 5 Avg Hourly Rate

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

	Estimated %		Total Hours		Total Hours			
	Completed Each Year		per Cost Proposal		per Year			
Year 1	5.00%	*	814.0	=	40.7	Estimated Hours Year 1		
Year 2	60.00%	*	814.0	=	488.4	Estimated Hours Year 2		
Year 3	35.00%	*	814.0	=	284.9	Estimated Hours Year 3		
Year 4		*	814.0	=	0.0	Estimated Hours Year 4		
Year 5		*	814.0	=	0.0	Estimated Hours Year 5		
Total	100%		Total	=	814.0			

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$69.37	*	41	=	\$2,823.25	Estimated Hours Year 1
Year 2	\$71.45	*	488	=	\$34,895.38	Estimated Hours Year 2
Year 3	\$73.59	*	285	=	\$20,966.31	Estimated Hours Year 3
Year 4	\$75.80	*	0	=	\$0.00	Estimated Hours Year 4
Year 5	\$78.07	*		=	\$0.00	Estimated Hours Year 5
	Total Dire	ect Labor Cost v	vith Escalation	=	\$58,684.94	
	Direct Lal	oor Subtotal bei	fore Escalation	=	\$56,465.02	
	Estimated to	tal of Direct Lab	or Salary Increase	=	\$2,219.92	Transfer to Page 1

EXHIBIT "B"

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:	Mike Stys	Title *:	Principal
		Date of	
		Certification	
Signature :		(mm/dd/yyyy):	05/29/25
Email:	<u>mike.stys@nv5.com</u>	Phone Number:	858-223-2330

Address: 15092 Avenue of Science, Suite 200 San Diego, CA 9218

List services the Subconsultants are providing under the proposed contract:

CITY OF COACHELLA

SR-86/Avenua 50 New Interchange Project

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

Fully Lo	oaded Hourly Rate (Direct Labor, overhead, and profit)	\$216.56	\$115.78	\$103.95	\$190.02	\$197.00	\$105.50	\$0.00	\$0.00		<u>ب</u>	
TASKS ask No	Staff Name	Jay Fahrion	Doug Boyle	David McCoppen	Joshua Wehe *	Matthew Fahrion *	Chong Leong	0	0	HOURS	TOTAL COST without Labor Escalation	COST with Labor Escalation
	Staff Classification	Project Manager	Senior Surveyor	Senior Surveyor	. Survey Party Chief (PW)	Survey Instrument Person (PW)	Admin Assistant	0	0	TOTAL	TOTAL COST Esca	TOTAL COS Esca
1 Proje	ct Management Services											
1.1	Administration	40								40	\$8,662.50	\$9,003.07
1.2	Coordination and Meetings	40								40	\$8,662.50	\$9,003.07
1.3	Quality Assurance and Quality Control	20								20	\$4,331.25	\$4,501.53
1.4	Project Schedule									0	\$0.00	\$0.00
1.5	Risk Management									0	\$0.00	\$0.00
1.6	Project Budget, Cost Accounting and Reporting									0	\$0.00	\$0.00
1.7	Funding Assistance									0	\$0.00	\$0.00
2 Draft	Final Design Services (35% PS&E)										\$0.00	
2.1	Surveys and Mapping	90	160	68	80	80	8			486	\$76,888.95	\$79,911.84
2.2	Prepare Draft Plans									0	\$0.00	\$0.00
2.3	Prepare Draft Cost Estimates									0	\$0.00	\$0.00
2.4	Drainage Report									0	\$0.00	\$0.00
2.5	Structures Type Selection Report, GP, & Estimate									0	\$0.00	\$0.00
2.6	Geotechnical Design Report									0	\$0.00	\$0.00
2.7	Utility Coordination and Research									0	\$0.00	\$0.00
2.8	Right-Of-Way Requirements and Engineering									0	\$0.00	\$0.00
	2.8.1.Prepare Right-of-way requirements									0	\$0.00	\$0.00
	2.8.2.Prepare Legal Descriptions and Plat Maps	60	120	40			8			228	\$31,889.00	\$33,142.71
TOTAL	HOURS	250	280	108	80	80	16	0	0	814	\$130,434.20	\$135,562.22
									Tota	l Escalations	\$5,128.02	

Grand Total \$135,562.22

EXHIBIT "B"

SR-86/Avenua 50 New Interchange Project Prime Consultant Subconsultant 2nd Tier Sub Consultant Paragon Partners Consultants, Inc. Contract No. Date 29-May-25 DIRECT LABOR Contract No. Date 29-May-25 Direct Namager/Principal Mark Mendoza 192 S31.65 521.440.64 Agent Sarah Riggs 340 S40.465 533.892.40 Coordinator Jennifer Benson 120 S33.65 64.038.00 Project Controls Specialist Joyce Monaco 80 S44.47 S3.557.60 Agent S3.257.60 732 S42.928.64 LaBOR COSTS a) Subtotal Direct Labor Costs 6) TOTAL DIRECT LABOR COSTS (a) +(40.1) S44.615.38 a) Subtotal Direct Labor Costs e) TOTAL DIRECT LABOR COSTS (a) +(60.1) S44.515.38 a) Subtotal Direct Labor Costs e) Total Fringe Benefits (a)	CITY OF COA	CHELLA		cos	T PROPOS	SAL	Exhibit 10-H1	HIBIT "B" Page 1 of 4
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TOTAL COST [(c) + (j) + (k) + (n)] \$178,835.39			n)	Total Other Dire	ct Costs Incl	uding Subconsu	iltants [(l) + (m)]	\$84,105.00
						TOTAL COST [(c	c) + (j) + (k) + (n)]	\$178,835.39

CITY OF COA	CHELLA	COST PROPOSAL	Exhibit 10-H1	EXHIBIT "B" Page 2 of 4
SR-86/Aven	ua 50 New Interchange Project			
	Prin	ne Consultant 🗹 Subconsult	tant 🗌	2nd Tier Sub
Consultant	Paragon Partners Consultants, In	IC		
Project No.		Contract No. TBD	Date	
1. Calculate	Average Hourly Rate for 1st year of the	contract (Direct Labor Subtotal	divided by tota	I
Direct Labor <u>Subtotal</u>		Total Hours	Avg Hourly	2 Year Contract
per Cost Proposal	p	er Cost Proposal	Rate	Duration
	\$42,928.64	732 =	\$58.65	Year 1 Avg Hourly Rate

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

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$58.65	+	3%	=	\$60.41	Year 2 Avg Hourly Rate
Year 2	\$60.41	+	3%	=	\$62.22	Year 3 Avg Hourly Rate
Year 3	\$62.22	+	3%	=	\$64.08	Year 4 Avg Hourly Rate
Year 4	\$64.08	+	3%	=	\$66.01	Year 5 Avg Hourly Rate

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

	Estimated %		Total Hours		Total Hours	
	Completed Each Year		per Cost Proposal		per Year	
Year 1	5.00%	*	732.0	=	36.6	Estimated Hours Year 1
Year 2	60.00%	*	732.0	=	439.2	Estimated Hours Year 2
Year 3	35.00%	*	732.0	Ħ	256.2	Estimated Hours Year 3
Year 4		*	732.0	=	0.0	Estimated Hours Year 4
Year 5	3.	*	732.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	732.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year			
Year 1	\$58.65	*	37	=	\$2,146.43	Estimated Hours Year 1		
Year 2	\$60.41	*	439	=	\$26,529.90	Estimated Hours Year 2		
Year 3	\$62.22	*	256	=	\$15,940.05	Estimated Hours Year 3		
Year 4	\$64.08	*	0	=	\$0.00	Estimated Hours Year 4		
Year 5	\$66.01	*		Ξ	\$0.00	Estimated Hours Year 5		
	Total Direct	Labor Cos	t with Escalation	=	\$44,616.38			
	Direct Labor	Subtotal k	pefore Escalation	=	\$42,928.64			
	Estimated total	of Direct L	abor Salary Increase	=	\$1,687.74	Transfer to Page 1		

Page 3 of 4

CITY OF COACHELLA SR-86/Avenua 50 New Interchange Project

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:	William McCawley	Title *:	Vice President/CFO
Signature	William Mi Cauly	Date of Certification (mm/dd/yyyy):	05/29/25
Email:	bmccawley@paragon-partners.com	Phone Number:	714452-2226
Address:	5660 Katella Ave., Suite 100, Cypress, CA 90630		

List services the Subconsultants are providing under the proposed contract:

EXHIBIT "B"

1

CITY OF COACHELLA

Page 4 of 4

SR-86/Avenua 50 New Interchange Project

SCOPE OF WORK - ESTIMATED HOURS WORKSHEET

Project Management Services Image of the second secon	ully Load sk Nd	ded Hourly Rate (Direct Labor, overhead, and profit) Staff Name	\$237.10 Mark Mendoza	\$86.75 Sarah Riggs	\$71.45 Jennifer Benson	\$94.42 Joyce Monaco	URS	without ation	r with ation
1.1 Administration 0 0 50.00 1.2 Coordination and Meetings 0 50.00 50.00 1.3 Quality Assurance and Quality Control 0 50.00 50.00 1.4 Project Schedule 0 50.00 50.00 1.5 Risk Management 0 50.00 50.00 2.7 Funding Assistance 0 50.00 50.00 2.1 Surveys and Mapping 0 0 50.00 2.3 Surveys and Mapping 0 0 50.00 2.4 Drainage Report 0 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 0 50.00 2.6 Gotechnical Design Report 0 0 50.00 2.8.127.25 0 51.00 2.8 Right-Of-Way Regutements and Engineering 0 0 50.00 2.8.127.55 2.8 Right-Of-Way Regutements and Plat Maps 0 0 51.00 2.8.116 518.08.25		Staff Classification	Project Manager/Pri ncìpal	Agent		Project Controls Specialist	TOTAL HOURS	TOTAL COST without Labor Escalation	TOTAL COST with Labor Escalation
1.2 Coordination and Meetings 0 50.00 1.3 Quality Assurance and Quality Control 0 50.00 1.4 Project Schedule 0 50.00 1.5 Risk Management 0 50.00 1.6 Project Schedule 0 50.00 2.7 Finding Assistance 0 50.00 2.1 Funding Assistance 0 50.00 2.2 Prepare Draft Plans 0 50.00 2.3 Prepare Draft Cost Stimates 0 50.00 2.4 Prepare Draft Cost Stimates 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 50.00 2.6 Geotechnical Design Report 0 50.00 2.7 Utily Coordination and Research 0 50.00 2.8 Right-Of-Way Requirements 0 50.00 2.8.1 Prepare Light of Way requirements 0 50.00 2.8.2 Prepare Light of Way Requirements 0 50.00 2.8.3.1 Management/Mee	roject	Management Services							
1.3 Quality Assurance and Quality Control 0 50.00 1.4 Project Schedule 0 \$0.00 1.5 Risk Management 0 \$0.00 1.6 Project Sudget, Cost Accounting and Reporting 0 \$0.00 1.7 Funding Assistance 0 \$0.00 2 Draft Final Design Services (35% PS&E) 0 \$0.00 2.1 Surveys and Mapping 0 \$0.00 2.3 Prepare Draft Plans 0 \$0.00 2.4 Drainage Report 0 \$0.00 2.4 Drainage Report 0 \$0.00 2.5 Structures Type Selection Report, GP, & Estimate 0 \$0.00 2.6 Genetennical Design Report 0 \$0.00 2.8.1 Prepare Right of-way requirements 0 \$0.00 2.8.2 Right-Of-Way Requirements and Engineering 0 \$0.00 2.8.3 Management/Meeting/Reporting 58 18 16 \$18,087.50 3.1 Management/Meeting/Reporting	1 A	dministration					0	\$0.00	\$0.00
1.4 Project Schedule 0 50.00 1.5 Risk Management 0 50.00 50.00 1.7 Funding Assistance 0 50.00 50.00 2.7 Funding Assistance 0 50.00 50.00 2.1 Surveys and Mapping 0 6 50.00 2.3 Prepare Draft Nans 0 50.00 50.00 2.4 Drainage Report 0 50.00 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 50.00 50.00 2.6 Geotechnical Design Report 0 50.00 50.00 50.00 2.6 Geotechnical Design Report 0 50.00 50.00 50.00 2.8 Right-Of-Way Requirements and Engineering 0 0 50.00 50.00 2.8.1 Jtepare Legal Descriptions and Plat Maps 0 0 50.00 53.11 3.1 Management/Meeting/Reporting S 18 25 116 53.8,087.8	2 C	Coordination and Meetings					0	\$0.00	\$0.00
1.5 Rick Management 0 \$0.00 1.6 Project Budget, Cost Accounting and Reporting. 0 \$0.00 2 Draft Final Design Services (35% PS&1) 0 \$0.00 2.1 Survices (35% PS&1) 0 \$0.00 2.1 Survices (35% PS&1) 0 \$0.00 2.1 Survices and Mapping 0 \$0.00 2.3 Prepare Draft Cost Estimates 0 \$0.00 2.4 Drainage Report 0 \$0.00 2.5 Structures Type Selection Report, GP, & Estimate 0 \$0.00 2.6 Geotechnical Design Report 0 \$0.00 2.8.1/Prepare Right-of-way requirements 0 \$0.00 \$0.00 2.8.2 Prepare Right-of-way requirements 0 \$0.00 \$0.00 2.8.3 Management/Meeting/Reporting 5 18 25 18 16 \$3.00,00 2.8.4 Numagement/Meeting/Reporting 5 18 25 18 16 \$3.0,00,00 2.8.4 N	.3 0	Quality Assurance and Quality Control		(4)			0	\$0,00	\$0.00
1.6 Project Budget, Cost Accounting and Reporting 0 0 50.00 1.7 Funding Assistance 0 0 50.00 2.1 Surveys and Mapping 0 0 50.00 2.1 Surveys and Mapping 0 0 50.00 2.2 Prepare Draft Plans 0 0 50.00 2.4 Drainage Report 0 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 0 50.00 2.6 Geotechnical Design Report 0 0 50.00 2.7 Utility Coordination and Research 0 50.00 2.8 Right-Of-Way Requirements and Engineering 0 50.00 2.8.1 Prepare Leg1 Plet Maps 0 50.00 2.8.1 Prepare Leg1 Plet Maps 0 50.00 3.1 Management/Meeting/Reporting 55 18 25 18 16 518.087.80 3.2 Valuation Coordination and Revew 10 0 36	4 P	Project Schedule					0	\$0.00	\$0.00
1.7 Fund Design services (35% PS&E) 0 50.00 2.1 Surveys and Mapping 0 50.00 2.1 Surveys and Mapping 0 50.00 2.3 Prepare Draft Cost Estimates 0 50.00 2.4 Drainage Report 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 50.00 2.6 Geotechnical Design Report 0 50.00 2.8 Right-Of-Way Requirements and Engineering 0 50.00 2.8.1.Prepare Right-Of-way requirements 0 50.00 2.8.2.Prepare Right-Of-way requirements 0 50.00 2.8.2.Prepare Right-Of-way requirements 0 50.00 2.8.3.Prepare Right-Of-way requirements 0 50.00 3.1 Management/Meetings/Reporting 55 18 25 18 116 518,087.80 3.2 Valuation Coordination and Review 10 16 10 0 36 54.473.54 3.3 Document Prep (PAS, Lessement, TCE, etc.) 18 21 27	.5 R	lisk Management					0	\$0.00	\$0.00
2 Draft Final Design Services (35% PS&E) 0 50.00 2.1 Surveys and Mapping 0 50.00 2.2 Prepare Draft Cost Estimates 0 50.00 2.4 Drainage Report 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 50.00 2.6 Geotechnical Design Report 0 50.00 2.7 Utility Coordination and Research 0 50.00 2.8 Right-Of-Way Requirements and Engineering 0 50.00 2.8.1.Prepare Right-Orway requirements 0 50.00 2.8.2.Prepare Legal Descriptions and Plat Maps 0 50.00 3.1 Management/Meeting/Reporting 55 18 25 18 16 518,087.80 3.2 Valuation Coordination and Review 10 16 0 36 54,473.54 3.3 Document Preq (PA, Essement, TCE, etc.) 38 26 12 7 65 52,152.25 3.4 Offer Package Preparation 16 24 <	.6 P	Project Budget, Cost Accounting and Reporting					0	\$0.00	\$0.00
2 Oraft Final Design Services (35% PS&F) 50.00 2.1 Surveys and Mapping 0 50.00 2.2 Prepare Draft Cost Estimates 0 50.00 2.4 Derane Draft Cost Estimates 0 50.00 2.4 Derane Report 0 50.00 2.5 Structures Type Selection Report, GP, & Estimate 0 50.00 2.6 Geotechnical Design Report 0 50.00 2.7 Utility Coordination and Research 0 50.00 2.8.1/Prepare Right-Of-Way requirements 0 50.00 2.8.2/Prepare Legal Descriptions and Plat Maps 0 50.00 3.1 Management/Meetings/Reporting 55 18 25 18 116 51.037.80 3.2 Valuation Coordination and Review 10 16 10 0 36 54.473.54 3.3 Document Preg (PSA, Lasement, TCE, etc.) 18 28 12	7 F	unding Assistance					0	\$0.00	\$0.00
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2.2 Prepare Draft Plans 0 \$0.00 2.3 Prepare Draft Cost Estimates 0 \$0.00 2.4 Drainage Report 0 \$0.00 2.5 Structures Type Selection Report, GP, & Estimate 0 \$0.00 2.6 Geotechnical Design Report 0 \$0.00 2.7 Utility Coordination and Research 0 \$0.00 2.8. Right-Of-Way Requirements and Engineering 0 \$0.00 \$0.00 2.8.1 Prepare Light-of-Way requirements 0 \$0.00 \$0.00 2.8.1 Prepare Light-of-Way Acquirements 0 \$0.00 \$0.00 3.1 Management/Meetings/Reporting \$5 18 25 18 116 \$15.10.87.80 3.2 Valuation Coordination and Review 10 16 10 0 \$5 18 25 18 116 \$15.10.87.80 3.3 Management/Meetings/Reporting \$5 18 27 65 \$\$21.5.23 3.4 Offer Dackage PrepareLancin 15 40 14 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>\$0.00</td>							0		\$0.00
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3.7 Right of Way Certification 20 14 8 5 47 \$7,000.24 3.8 Document Control/File Management 12 25 35 20 92 \$9,403.08 4 Permits/Agreements 0 0 \$0.00 \$0.00 4.1 Clean Water Act Section 401 Water Quality 0 \$0.00 \$0.00 4.2 Clean Water Act Section 404 Standard Individual 0 \$0.00 \$0.00 4.3 California Fish and Game Code Section 1602 0 \$0 \$0.00 4.4 CVWD Encroachment Permit 0 \$0.00 \$0.00 5 Draft Final Design Services - 65% PS&E Submittal 0 \$0.00 \$0.00 5.1 Title Sheet 0 \$0.00 \$0.00 \$0.00 5.2 Typical Cross Sections 0 \$0.00 \$0.00 \$0.00 5.4 Construction Details 0 \$0.00 \$0.00 \$0.00 5.5 Grading Plans 0 \$0.00 \$0.00 \$0.00									\$7,294.8
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	TOT	AL HOURS	192	340	120				\$94,730.39
Total Escalations \$3,583.44									

Grand Total \$94,730.39