

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



**ITEM: 3.21
(ID # 20205)**

MEETING DATE:

Tuesday, October 25, 2022

FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION:
Amendment 2 to the Environmental & Engineering Services Agreement between ICF Jones & Stokes, Inc. (formerly known as Jones & Stokes Associates, Inc.), a wholly owned subsidiary of ICF Consulting Group, Inc., and the County of Riverside for the Cajalco Road Widening Project. District 1. [\$3,865,420 Amendment No. 2 Cost, \$14,540,058 Total Contract Cost - Local Funds 87%, Federal Funds 13%]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Ratify and approve Amendment 2 to the Environmental & Engineering Services Agreement between ICF Jones & Stokes, Inc. (formerly known as Jones & Stokes Associates, Inc.), a wholly owned subsidiary of ICF Consulting Group, Inc., and the County of Riverside for the Cajalco Road Widening Project effective June 30, 2022, to extend the completion date to June 30, 2026, add additional services needed to complete the environmental phase of the project, and increase the contract amount by \$3,865,419.59, from \$10,674,638.43 to \$14,540,058.02; and authorize the Chairman of the Board to execute the same.

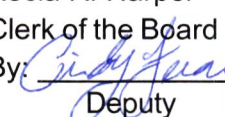
ACTION:Policy


Mark Lancaster, Director of Transportation 10/7/2022

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Spiegel, seconded by Supervisor Perez and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Hewitt, and Perez
Nays: None
Absent: None
Date: October 25, 2022
xc: Trans.

Kecia R. Harper
Clerk of the Board
By: 
Deputy

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FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$1,965,420	\$1,900,000	\$3,865,420	0
NET COUNTY COST	0	0	0	0
SOURCE OF FUNDS: TUMF Central Zone (52%), DIF AP7 Major Improvement Fund – Lake Matthews/Woodcrest (8%), DIF AP 13 Major Improvement Fund – Mead Valley/Good Hope (10%), STP (13%), and Gas Tax/HUTA (17%). There are no General Funds used on this project.			Budget Adjustment: No	
			For Fiscal Year: 22/23 – 25/26	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

By 2030, Riverside County’s population is expected to reach 3.5 million. All the major transportation routes in the region are already experiencing significant congestion. Many regional roadway projects are being designed now to ease congestion and ensure future mobility.

The Riverside County Transportation Commission took action on July 8, 2009 to focus efforts on the portion of the Mid County Parkway (MCP) between the limits of I-215 and SR-79. This change in plan occurred as a response to comments received during the environmental process and was considered at length at the June 2009 RCTC Commission meeting. Many of the concerns focused on ensuring the County’s success with improvements to Cajalco Road. Improvements to Cajalco Road are essential to reduce congestion and maintain and enhance the quality of life in western Riverside County.

On December 14, 2010 (Item 3.59), the Board of Supervisors approved an Environmental and Engineering Services Agreement between Jones & Stokes Associates, Inc. and the County of Riverside to prepare the environmental documentation and preliminary engineering design to obtain environmental clearance required for improvements along the Cajalco Road corridor.

The scope, schedule and fee in the original Agreement expected the environmental document would be a California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) and National Environmental Policy Act (NEPA) Complex Environmental Assessment/Finding of No Significant Impact (EA/FONSI). The project proceeded on this path, and a CEQA Notice of Preparation was issued, and public scoping meetings were conducted. During the preparation of the Preliminary Environmental Study (PES) for the project, the California Department of Transportation (Caltrans), the NEPA lead agency, determined that a higher level environmental document, an Environmental Impact Statement (EIS), was required pursuant to NEPA. The preparation of an EIS required that all reasonable and feasible alternatives be evaluated in

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detail. Additional alternatives were added to the project, along with analysis of the Metropolitan Water District's (MWD) Lake Mathews Multiple Species Habitat and Natural Community Conservation Plan (Lake Mathews MSHCP) in the EIR/EIS and an amendment to the Lake Mathews MSHCP would be processed. Amendment No. 1 to the Agreement was approved on March 26, 2016 in the amount of \$5,634,447 to perform the required services. Significant progress has been made to advance the EIR/EIS, culminating in the public circulation of the Draft EIR/EIS with the public comment period ending on March 3, 2022.

Amendment No. 2 is needed to provide for multiple new or expanded issues that arose since approval of Amendment No. 1. The scope of work for Amendment No. 2 could not be finalized prior to the expiration of Amendment No. 1 due to the late inclusion of additional tasks and so necessitates ratification. Amendment No. 2 includes a new, modified alignment (Alternative 2C) and detailed analysis of a six-lane condition for a portion of one alternative. Consultant efforts to design wildlife crossings, address MWD access, and evaluate engineering and operational concerns for MWD facilities is included in Amendment No. 2. The public outreach effort has been expanded to include additional public meetings. New concerns raised by Tribes will be incorporated into updated cultural studies in compliance with Section 106 of the National Historic Preservation Act. Participating and Cooperating agencies will require significant coordination to address comments they made regarding the technical studies and EIR/EIS. Optional tasks have been added to address potential additional public outreach, traffic analysis, hydraulic study, and roadway access elements raised during the public comment period.

As part of the original agreement authorization, the Board of Supervisors delegated authorization to the Director of Transportation to approve an additional 10% budget contingency for unforeseen services and Optional Tasks. Approval of this amendment is intended to retain that delegation. The project budget will be adjusted as follows:

Original Contract Budget	\$5,040,190.88
Additional Budget proposed by Amendment 1	\$5,634,447.55
Additional Budget proposed by Amendment 2	\$3,865,419.59
Total Revised Contract Budget	\$14,540,058.02

Project Number C0-0551

Impact on Citizens and Businesses

Regional transportation facilities are essential to public health, safety, and welfare. Cajalco Road is a significant east-west regional arterial in the County. Extensive public outreach to area residents and businesses has taken place for the project prior to and during Circulation of the Draft EIR/EIS. Public input has been obtained via public meetings, Municipal Advisory Council briefings, community group and town hall meetings.

Mailings to property owners, agencies, a project contact list, and advertisement in local

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newspapers have also been used to notify residents and businesses. Also, a dedicated website with project information and comment options was available during circulation of the Draft EIR/EIS. Input provided will be reviewed and taken into consideration in preparation of the Final EIR/EIS.

SUPPLEMENTAL:

Additional Fiscal Information


RCTC took action in 2009 to focus efforts of the MCP between the limits of I-215 and SR-79 and delay the segment between I-15 and I-215. As a result, RCTC has allocated \$13,000,000 in Surface Transportation Program (STP) funds for the purpose of obtaining environmental clearance for improvements on Cajalco Road that are essential to reduce congestion and maintain and enhance the quality of life in western Riverside County. As a result of the additional services now required to obtain environmental clearance, this amendment will be funded with a combination of TUMF Central Zone, DIF AP7 Major Improvements Fund - Lake Matthews/Woodcrest, DIF AP13 Major Improvements Fund – Mead Valley/Good Hope, STP, and Gas Tax/HUTA funds.

Contract History and Price Reasonableness

As noted above, the revised scope of services requires the consultant to coordinate with MWD to incorporate the PROJECT within their Multi-Species Habitat Conservation Plan (MWDMSHCP), perform updated cultural studies that include new concerns raised by tribes, and evaluate access, engineering, and operational concerns for MWD facilities. This has resulted in a significant increase in the effort that is needed to obtain environmental clearance. The billing rates have been negotiated with ICF Jones & Stokes, Inc., and are comparable with other consulting firms offering similar services.

Attachments:

Vicinity Map
Amendment No. 2



Jason Farin, Principal Management Analyst 10/18/2022



Kristine Bell-Valdez, Supervising Deputy County Counsel 10/14/2022

AMENDMENT 2

TO THE ENVIRONMENTAL & ENGINEERING SERVICES AGREEMENT FOR CAJALCO ROAD WIDENING PROJECT BETWEEN COUNTY OF RIVERSIDE • TRANSPORTATION DEPARTMENT AND ICF JONES & STOKES, INC., A WHOLLY OWNED SUBSIDIARY OF ICF CONSULTING GROUP, INC.

THIS AMENDMENT (hereinafter the "Amendment 2") to an agreement is made and entered into as of this 25th day of October, 2022, by and between the County of Riverside, a political subdivision of the State of California, (hereinafter the "COUNTY"), and ICF Jones & Stokes, Inc. (formerly known as Jones & Stokes Associates, Inc.), a wholly owned subsidiary of ICF Consulting Group, Inc., (hereinafter the "CONSULTANT").

RECITALS

- A. COUNTY and CONSULTANT have entered into a consulting services agreement entitled "Environmental & Engineering Services Agreement for Cajalco Road Widening Project (hereinafter the "PROJECT") between County of Riverside • Transportation Department and Jones & Stokes Associates, Inc., a Wholly Owned Subsidiary of ICF Consulting Group, Inc." that is dated December 14, 2010 (County Supervisor Board Item 3.59) (hereinafter the "AGREEMENT"). The AGREEMENT provides the terms and conditions, scope of work, schedule, and budget for the performance of professional and technical services related to preliminary engineering and environmental technical studies necessary to complete an environmental document and obtain environmental clearance for the PROJECT.
- B. COUNTY and CONSULTANT have entered into an amendment to the AGREEMENT that is dated March 29, 2016 (County Supervisor Board Item 3.31) (hereinafter the "AMENDMENT 1"). The scope, schedule and fee in the AGREEMENT expected the environmental document to be a California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) and National Environmental Policy Act (NEPA) Complex Environmental Assessment/Finding of No Significant Impact (EA/FONSI). The PROJECT proceeded on this path, and a CEQA Notice of Preparation was issued, and public scoping meetings were conducted. During the preparation of the Preliminary Environmental Study (PES) for the PROJECT, the California Department of Transportation (Caltrans), the NEPA lead agency, determined that a higher-level environmental document, an Environmental Impact Statement (EIS), was required pursuant to NEPA. The preparation of an EIS required that all reasonable and feasible alternatives be evaluated in detail. Additional alternatives were added to the PROJECT, along with analysis of the Metropolitan Water District's (MWD)

1 Lake Mathews Multiple Species Habitat and Natural Community Conservation Plan (Lake Mathews
2 MSHCP) in the EIR/EIS and an amendment to the Lake Mathews MSHCP would be processed.
3 AMENDMENT 1 provided the scope and budget for CONSULTANT to perform the necessary additional
4 tasks.

5 C. Significant progress has been made to advance the EIR/EIS, culminating in the public circulation of the
6 draft EIR/EIS with the public comment period ending on March 3, 2022.

7
8 D. AMENDMENT 2 is needed to provide for multiple new and expanded matters that arose since approval of
9 AMENDMENT 1. AMENDMENT 2 includes a new, modified alignment (Alternative 2C), and detailed
10 analysis of a six-lane facility within one alignment alternative. AMENDMENT 2 also includes resources for
11 CONSULTANT to put forth significant additional efforts to evaluate access, engineering, and operational
12 concerns for MWD facilities, and for coordination with MWD regarding implementing the PROJECT within
13 their Multi-Species Habitat Conservation Plan (MWDMSHCP). Additional traffic data collection, evaluation,
14 and forecasting analysis will be performed to address comments received during the public review period
15 of the EIR/EIS. The public outreach effort has been expanded to include additional public meetings and
16 community workshops. New concerns raised by tribes will be incorporated into updated cultural studies in
17 compliance with Section 106 of the National Historic Preservation Act. Participating and Cooperating
18 agencies will require extensive coordination to address comments made regarding the technical studies
19 and EIR/EIS.

20 D. As a result of the above factors and findings, the PROJECT will require substantial additional services in
21 terms of completing the EIR/EIS. The parties desire to amend the AGREEMENT to include the scope of
22 work, schedule and budget needed to perform the necessary work to complete the environmental phase
23 for the PROJECT.

24 **AGREEMENT**

25 NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows,
26 effective June 30, 2022:

- 27 1. Appendix A Scope of Services of the AGREEMENT entitled "CAJALCO ROAD WIDENING – HARVILL
28 AVENUE TO TEMESCAL CANYON ROAD, SCOPE OF WORK – PRELIMINARY ENGINEERING /
29 ENVIRONMENTAL DOCUMENT" and Appendix A Scope of Services of AMENDMENT 1 entitled

1 "AMENDMENT 1 • APPENDIX A1 • SCOPE FOR ADDITIONAL ENVIRONMENTAL SERVICES" is
2 amended to include the additional and modified services as described in the attached Appendix A Scope
3 of Services of this AMENDMENT 2 attached hereto and incorporated herein by this reference.
4

5 2. Appendix B • Article B1• Introduction of the AGREEMENT is amended to revise the completion date from
6 June 30, 2022 (AMENDMENT 1) to June 30, 2026. All covenants set forth in the AGREEMENT,
7 AMENDMENT 1, and this AMENDMENT 2 are effective June 30, 2022 and shall be completed by June
8 30, 2026, unless extended by supplemental agreement.

9 3. Article VI (Compensation) and Appendix C • Article CV (Cost Proposal) of the AGREEMENT are
10 amended to increase the contract amount of \$10,674,638.43 (AMENDMENT 1) by \$3,865,419.59 for a
11 new contract amount of \$14,540,058.02 as provided below and in accordance with the attached Appendix
12 B to this AMENDMENT 2 entitled "AMENDMENT 2 • APPENDIX B • FEE PROPOSAL WORKSHEETS"
13 attached hereto and incorporated herein by this reference. Salary Rates and company payroll additives
14 and overhead rates have been updated to current values. These changes in salary and company billing
15 rates are hereby approved and effective upon execution of this AMENDMENT 2.
16

17 4. Except to the extent specifically modified or amended hereunder, all the terms, covenants and conditions
18 of the AGREEMENT and AMENDMENT 1 shall remain in full force and effect between the parties hereto.
19 IN WITNESS HEREOF, the parties hereto have caused this AMENDMENT 2 to the AGREEMENT to be
20 duly executed this day and year first written above.

21 [REMAINDER OF PAGE LEFT BLANK]
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ARTICLE VIII - APPROVALS

Clerk of the Board (SEAL)

COUNTY Approvals

RECOMMENDED FOR APPROVAL

Mark Lancaster Dated: 10-17-22

Mark Lancaster
Director of Transportation

APPROVED AS TO FORM:

COUNTY COUNSEL

[Signature] Dated: 10/14/22
By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

_____ Dated: _____

PRINTED NAME
Chairman, Riverside County Board of Supervisors

ATTEST:

_____ Dated: _____
KECIA R. HARPER

ARTICLE VIII • APPROVALS

Clerk of the Board (SEAL)

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

Mark Lancaster Dated: 10-12-22

Mark Lancaster
Director of Transportation

APPROVED AS TO FORM:

COUNTY COUNSEL

By Deputy _____ Dated: _____

APPROVAL BY THE BOARD OF SUPERVISORS

Jeff Hewitt Dated: 10/25/22

JEFF HEWITT

PRINTED NAME _____

Chairman, Riverside County Board of Supervisors

ATTEST:

Kecia R. Harper Dated: 10/25/22
KECIA R. HARPER

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CONSULTANT Approvals

CONSULTANT:

 Dated: 9/30/22

Mike Lenett

Vice President, Contracts & Administration
TITLE

CONSULTANT:

N.A. Dated: _____

PRINTED NAME

TITLE

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AMENDMENT 2 • INTRODUCTION

A. BACKGROUND/JUSTIFICATION

On December 14, 2010, COUNTY and CONSULTANT entered into a “ENVIRONMENTAL & ENGINEERING SERVICES AGREEMENT” to provide preliminary engineering and environmental services necessary to obtain environmental clearance for a proposed regional traffic capacity enhancement and safety improvement project along the Cajalco Road Corridor located between Interstate (I-) 15 and 215 in unincorporated Riverside County. On March 29, 2016, the original agreement (herein referred to as “Original Contract”) was amended to include “AMENDMENT 1” to provide additional budget and time for supplementary consulting services in support of a National Environmental Policy Act (NEPA) Environmental Impact Statement (EIS), the evaluation of two additional alternatives, Alternatives 3 and 4, the evaluation of six-lane ultimate conditions for the western portion of the project alignment under Alternatives 1 and 2, analysis of the Metropolitan Water District of Southern California (MWD) Lake Mathews Multiple Species Habitat and Natural Community Conservation Plan (Lake Mathews MSHCP) in the Environmental Impact Report (EIR)/EIS, and processing an amendment to the Lake Mathews MSHCP.

Since AMENDMENT 1, the project has been presented at multiple public meetings, discussed with cooperating and participating agencies, environmental stakeholders, and Tribes, and has experienced a number of changes in response to the input received and for various other technical and process/compliance related reasons. Because the project is located in a very challenging landscape involving extreme topography, overlapping habitat conservation plans (HCPs), and environmental stakeholder, public, and Tribal interests, the complexities associated with the alignments and project area from an environmental evaluation and documentation standpoint has required complex engineering design, extensive coordination, and analysis and documentation, above and beyond that which was planned for under the Original Contract and AMENDMENT 1. Furthermore, the multitude of project stakeholders, updates, revisions, refinements, and consideration of alternative solutions related to the project design have resulted in further engineering design effort and environmental analysis and documentation to address these items, beyond that included in the Original Contract and AMENDMENT 1, including, among many other items, a large bridge spanning the MWD facilities to the west of Lake Mathews.

Because all three of the project build alternative alignments extend through the boundaries of the Western

1 Riverside County Multiple Species Habitat Conservation Plan (WRC MSHCP), Habitat Conservation Plan for
2 the Stephens' Kangaroo Rat (SKR HCP), and Lake Mathews MSHCP, the COUNTY, CALTRANS, and
3 CONSULTANT have consulted and coordinated with multiple resource agencies, other agencies, and
4 stakeholders in conjunction with project development. In addition to resources agencies specifically
5 associated with the HCPs, the COUNTY, CALTRANS and consultant have also consulted and coordinated
6 with resource agencies and other stakeholders on matters such as wetlands/waters and riparian resources,
7 water quality, and wildlife connectivity.

8 Compliance with the HCPs has required: 1) extensive, ongoing, and frequent consultation and coordination
9 with multiple resource agencies, boards, and stakeholders; 2) the development and design of wildlife
10 crossings (required every 1,000 feet) along the western half of the project alignment; 3) numerous project
11 redesigns to avoid or minimize impacts on identified resources; and 4) development of mitigation options
12 commensurate with identified impacts that are also consistent with each HCP. Furthermore, reopening of the
13 Lake Mathews MSHCP has resulted in greater coordination with MWD than anticipated in order to address
14 environmental constraints, and security and access concerns involving MWD facilities and operations,
15 among other considerations such as adequate mitigation acceptable to all parties involved due to the
16 complexities associated with addressing impacts to these HCPs.

17 Due to the limited, two-year time period of each MWD access permit for biological and cultural surveys, and
18 noise measurements, permit renewals were necessary in order to complete survey work in support of
19 technical studies, and required additional screening of properties for avoidance, access limitations, and
20 advance notification protocols, as part of the permit negotiations.

21 **B. PROJECT UPDATES/UNDERSTANDING**

22 In July 2015, MWD presented a letter to the COUNTY that outlined engineering and operational concerns
23 regarding specific segments of the proposed project and the accommodation of existing and future, planned
24 MWD facilities. In response to the concerns identified in the letter, project engineers prepared recommended
25 design modifications to accommodate operations and maintenance access needs for the Lake Mathews
26 Dam and other Lake Mathews facilities, including maintenance road access, and redesign of the main MWD
27 entrance at the intersection of El Sobrante Road and La Sierra Avenue. The letter also addressed variations
28 associated with the portion of Build Alternative 3 within MWD-managed lands west of La Sierra Avenue
29

1 previously developed in an effort to avoid or otherwise minimize impacts on sensitive conservation areas and
2 MWD facilities discussed with MWD and resource agencies prior to 2015. The 2015 letter confirmed that the
3 variations would not fully avoid future facilities planned by MWD and, in November 2016, Build Alternative 3
4 was eliminated from further consideration. Previously completed technical studies and technical studies in
5 progress were revised to reflect the removal of Alternative 3.

6 In November 2016, MWD presented a letter to the COUNTY that outlined engineering and operational
7 concerns regarding the alignment of Build Alternative 4 west of Lake Mathews and existing MWD facilities
8 east of Lake Mathews. In response to the concerns identified in the letter, project engineers adjusted the
9 alignment of Alternative 4 east and west of Lake Mathews and added a large, arched bridge to span the
10 Lake Mathews Dam spillway area. All of these various design updates, revisions, and modifications
11 necessitated extensive design work, coordination, and environmental analysis and documentation to
12 address.

13 Between 2016 and 2020, additional consultation and coordination meetings with the Western Riverside
14 Regional Conservation Authority (RCA), including representatives from United States Fish and Wildlife
15 Service (USFWS), California Department of Fish and Wildlife (CDFW), and United States Army Corps of
16 Engineers (USACE), also occurred to confirm mutual understanding of WRC MSHCP requirements and
17 approaches for meeting requirements, confirm wildlife crossing design and placement, and limits of
18 riparian/riverine resources and project nexus. From these meetings arose further need for coordination
19 design considerations and updates to environmental analyses, evaluations, and documentation.

20 Multiple design options were also developed and reviewed for Alternative 2 (2A, 2B, 2C), in response to
21 agency and public feedback; design options considered included alignment shifts, bridges and bridge
22 refinements, access roads, wildlife crossings, and drainage considerations. Between 2016 and 2018,
23 Temescal Creek Bridge and other bridges were redesigned in response to feedback from Riverside County
24 Habitat Conservation Agency (RCHCA), USFWS, CDFW, Regional Water Quality Control Board (RWQCB),
25 and Riverside County Flood Control Water Conservation District (RCFCWCD), concerning water quality, land
26 management directives, and shading impacts.

27 While Native American coordination and consultation was initiated in 2011, three tribes expressed interest in
28 the project and requested formal consultation much later: Soboba Band of Luiseño Indians (2015), Cahuilla
29 Band of Indians (2016), and Morongo Band of Mission Indians (2017). This resulted in additional

1 consultation, consideration of redesign on several occasions for avoidance of resources, and modification of
2 technical studies.

3 Coordination and consultation with Pechanga Band of Luiseño Mission Indians (Pechanga), including in-
4 person meetings and site visits, multiple project modifications, and site testing, in response to Tribal
5 concerns, has been ongoing. In 2019, Pechanga identified three Traditional Cultural Properties (TCPs)
6 extending throughout the entire project area of potential effect (APE), which had not been shared with the
7 project team until this time. These resources are considered eligible for the National Register of Historical
8 Place (NRHP) and required, and will continue to require, additional cultural resources evaluation and
9 documentation, and the revision of already prepared technical studies. In fact, the cultural documentation for
10 the project, which has been through numerous iterations and updates due to changing design, Tribal
11 considerations, and changes in direction from reviewing agencies, was finalized and ready for approval at
12 the time that these TCPs were presented by the Tribe. This resulted in substantial rework and analysis to
13 address these resources, which could not have been known about by CONSULTANT prior to them being
14 identified by the Tribe. The COUNTY has worked closely with CALTRANS cultural resources staff and Native
15 American Coordinator throughout the Project Approval/Environmental/Environmental Document (PA/ED)
16 process and has consulted regularly with the Tribes (via CALTRANS as the Section 106 lead) since the
17 Native American consultation was initiated at the outset of the project. This has been an intensive and time-
18 consuming process with many meetings, project redesigns, and field work to address Tribal concerns and
19 resources evaluation, far beyond that which could have been expected at the start of the project or when
20 AMENDMENT 1 was approved. This will continue to be a challenge with the multiple tribal perspectives and
21 often changing and evolving tribal priorities that have affected how the project is designed and the work
22 required.

23 The traffic analysis for the project includes a separate east-west corridor (Community Environmental
24 Transportation Acceptability Process [CETAP] West) that is assumed to be operational prior to the future
25 traffic year and is required to be included in the traffic study for the project (i.e., 20 years beyond the
26 anticipated opening year) of the proposed project. Because the CETAP west corridor influences the
27 projected future traffic data of the proposed project, a separate, additional "Non-CETAP" traffic analysis,
28 including traffic modeling and comparative analysis of future traffic projections, was conducted to determine
29 future conditions without the separate corridor. This was not expected or assumed at the outset of the project

1 based on the originally identified opening year for the Cajalco Road project and therefore was not included in
2 the Original or AMENDMENT 1 scopes of work.

3 Due to the geographical extent of the project, additional public meetings were held with six community-based
4 organizations and included multiple Riverside County Town Hall meetings. Additional focused meetings were
5 also held with environmental stakeholder groups in 2017, 2018, and 2021, where wildlife movement, species
6 protection, and consistency with transportation planning, were discussed and follow up coordination as well
7 as project design changes were made in response.

8 Changes to the California Environmental Quality Act (CEQA) Guidelines, and CALTRANS' documentation
9 requirements for joint EIR/EIS documents, also resulted in changes to the CEQA/NEPA document. These
10 changes included new, revised, and/or expanded analyses for all alternatives, in the areas of energy, air
11 quality, greenhouse gases, climate change, wildfire, and traffic/transportation. All of these changes in
12 guidelines and requirements occurred after AMENDMENT 1 was issued for the Cajalco Road project.

13 With the addition of Cooperating and Participating Agencies coordination per 23 USC 139 Efficient
14 Environmental Review (formerly 6002), several meetings and coordination points beyond the level assumed
15 under AMENDMENT 1 were determined to be needed based on the level of interest and involvement in the
16 project by the Cooperating and Participating agencies. Additional efforts include: Continued updates to the
17 Coordination Plan; expanded coordination in the distribution and processing of responses to letters soliciting
18 comments from 28 Cooperating and Participating Agencies on the project description and purpose and need,
19 range of alternatives and methodology, technical studies, and EIS; and, focused in-person and individual
20 agency meetings, and bi-monthly conference calls. The meetings and calls were added per agency request
21 by participating and cooperating agencies, to inform agencies of the status of environmental review, share
22 project updates, and discuss information and related to environmental technical studies and/or specific
23 project topics of interest.

24 The project will consist of roadway widening improvements along the Cajalco Road corridor from Interstate
25 (I-) 215 to Temescal Canyon Road generally providing four lanes throughout most of the alignment (along
26 either Cajalco Road or El Sobrante Road) and six lanes between Harvill Avenue and the I-215 southbound
27 ramps. All three build alternatives would include the same alignment from Cowan Road to Interstate 215;
28 generally following the existing Cajalco Road alignment. These three alternatives along the western portion
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1 of the project from Temescal Canyon Road to Harley John Road are described under AMENDMENT 2,
2 below:

3 **Original Alternatives**

- 4 1. Facility generally along the existing Cajalco Road alignment;
5 2. Facility that follows the General Plan alignment along the western portion of the project;

6 **AMENDMENT 1 Additional Alternatives**

- 7 3. Facility that follows El Sobrante Road to La Sierra Avenue and then travels west through
8 undeveloped lands before rejoining Cajalco Road just east of Temescal Canyon Road; and
9 4. Facility that follows El Sobrante Road to La Sierra Avenue, then travels south along La Sierra
10 Avenue, and then west along Cajalco Road.

11 In addition, AMENDMENT 1 included two other “ultimate” condition situations. One based on Alternative
12 1 that assumes Cajalco Road as a six-lane facility from Temescal Canyon Road to Harley John Road
13 and one based on Alternative 2 that assumes Cajalco Road as a six-lane facility from Temescal Canyon
14 Road to Harley John Road.

15 **AMENDMENT 2 (proposed) Modified Alternatives and Expanded Coordination**

- 16 1. Facility generally along the existing Cajalco Road alignment with further curve reductions, decreased
17 MWD facility and Riverside-Corona Resource Conservation District land impacts, increased drainage
18 features, realigned intersections, and modified bridges and wildlife crossings;
19 2C. Facility no longer follows earlier General Plan alignment between Temescal Canyon Road and La
20 Sierra Avenue (Alternative 2). The modified alignment under Alternative 2C deviates from the existing
21 Cajalco Road alignment between Lake Mathews Drive and La Sierra Avenue where it follows the
22 boundaries of the Lake Mathews MSHCP and SKR HCP, allows for decreased MWD facility impacts,
23 includes increased drainage facilities, and modified bridges and wildlife crossings;
24 4. Facility that further realigns La Sierra Avenue between Cajalco Road and El Sobrante Road, with the
25 addition of a large arch bridge along La Sierra Avenue, revised main MWD access, modified Harley
26 John Road intersections, and modified El Sobrante Road and Cajalco Road transition. In addition,
27 the project includes one additional “ultimate” condition situation for Alternative 4 that assumes La
28 Sierra Avenue as a six-lane facility from Cajalco Road to El Sobrante Road.

29 Because all three of the project build alternative alignments extend through the boundaries of the Western

1 Riverside County Multiple Species Habitat Conservation Plan (WRC MSHCP), Habitat Conservation Plan for
2 the Stephens' Kangaroo Rat (SKR HCP), and Lake Mathews MSHCP, coordination between the COUNTY,
3 CALTRANS, and CONSULTANT, with multiple resource agencies, other agencies, and stakeholders, has
4 been ongoing in conjunction with project development, beyond the effort scoped for under AMENDMENT 1.
5 In addition to resource agencies specifically associated with the HCPs, the COUNTY, CALTRANS and
6 CONSULTANT, have also continued consultations and coordination with resource agencies and other
7 stakeholders on matters such as wetlands/waters and riparian resources, water quality, and wildlife
8 connectivity. Since AMENDMENT 1, three additional Native American Tribes became involved in the project
9 and additional coordination for participation in monitoring, input on local resources, and consultation under
10 Section 106 of the National Historic Preservation Act, was required.

11 **C. SCOPE AND FEE PROPOSAL**

12 The Scope of Work (Appendix A) and hours as shown in the Fee Proposal Worksheets (Appendix B), have
13 been adjusted assuming the three (3) identified build alternatives under AMENDMENT 2 above, plus No-
14 Build alternative, and considerations of Ultimate six-lane conditions for each build alternative. This
15 amendment has been prepared to provide additional budget and time for supplementary consulting services
16 as defined in the following scope of work that is necessary to complete the project and outside of the scopes
17 of work included in the Original Contract and in AMENDMENT 1.
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APPENDIX A • SCOPE FOR ADDITIONAL ENVIRONMENTAL SERVICES

T1 MANAGEMENT, COORDINATION & MEETINGS

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$1,321,945.53	\$294,21.88	22%	\$1,616,457.42
ICF	\$910,305.88	\$319,783.71	35%	\$1,230,089.59
AECOM	\$214,867.85	\$0	0%	\$214,867.85
ITERIS	\$127,719	\$0	0%	\$127,719
EPIC	\$17,840	\$0	0%	\$17,840
WICKE	\$51,212.80	- \$25,261.83	- 49%	\$25,950.97

ICF, AECOM, ITERIS, Epic, Wicke

Additional cost is needed for the extended duration associated with completion of PA/ED. These costs include project management, meetings, agency coordination and scheduling. It is assumed that Wicke will not be involved further in the project and their remaining budget has been credited back to the COUNTY.

1.01 Project Management

To date CONSULTANT has managed the project for one hundred and thirty-two (132) months versus an Original plus AMENDMENT 1 assumption of ninety (90) months. Project management has continued for forty-two (42) months beyond the Original plus AMENDMENT 1 estimate of ninety (90) months, and is estimated to continue an additional thirty (30) months through Year 2023. In summary, this scope of work includes management time for seventy-two (72) additional months beyond what was included in the Original Contract and AMENDMENT 1.

1.02 Meetings

To date CONSULTANT has attended a total of approximately two hundred sixty (260) project-related meetings; the Original plus AMENDMENT 1 assumption included up to one hundred seventy-nine (179) project-related meetings. This task also includes the additional anticipated future coordination and effort that is anticipated related to MWD based on MWD's involvement in the reopening of the Lake Mathews MSHCP and the number of alternatives that cross MWD property. This scope of work includes attendance at up to one hundred sixty-one (161) additional project-related meetings through Year 2023 beyond those included in the Original Contract and AMENDMENT 1.

1.03 Schedule

On-going schedule updates are necessary, consistent with the extension of the Project Management

activities. Under the Original Contract and AMENDMENT 1, twenty-four (24) hours were assumed for initial preparation of the schedule plus one half (0.5) hour per month for maintenance, for a total of ninety (90) hours. This scope of work adds thirty-six (36) hours related to the schedule beyond the amount included in the Original Contract and AMENDMENT 1.

The scope of work for task T1 remains the same with the following exceptions.

- Based on changes to the project and the revised project schedule, an additional seventy-two (72) months of project management has been assumed beyond the Original plus AMENDMENT 1 assumption of ninety (90) months.
- Based on changes to the project and the revised project schedule, attendance at one hundred sixty-one (161) additional project related meetings by CONSULTANT Project Manager and environmental lead have been assumed; along with other team members, as needed.
- Based on changes to the project and the revised project schedule, an additional thirty-six (36) hours related to the schedule has been assumed beyond the amount included in the Original Contract and AMENDMENT 1.

T2 RESEARCH, DATA GATHERING & RIGHTS-OF-ENTRY

	Original Plus AMENDMENT 1 Plus Budget Transfers:	Amount Requested:	% Increase/Decrease:	Total at Completion:
Total	\$117,887	\$60,036.03	51%	\$177,923.03
ICF	\$152,815	\$60,036.03	39%	\$212,851.03
EPIC	-\$34,928	\$0	0%	-\$34,928

ICF Epic

Data Gathering has been completed. Additional cost incurred for research, property screenings, and agency coordination for rights-of-entry related to modified environmental survey areas, multiple access permit renewals, and property access restrictions.

This task originally included research and data gathering along with initial rights-of-entry (ROE) coordination. To date CONSULTANT has performed the necessary data collection and has supported the COUNTY in obtaining ROE, including for survey areas that were not assumed under the Original scope of work, property screenings for permit renewals, and property owner and manager coordination. Additional research has been conducted, subsequent to the Original Contract and AMENDMENT 1, per request by COUNTY regarding several items including groundwater flow and drainage data, existing site conditions for survey access, regional and localized truck traffic, wildlife crossing viability, and local development plans.

1 **2.01 Rights-of-Entry Coordination**

2 CONSULTANT assisted the COUNTY in obtaining ROE (renewing existing and obtaining new) for the Build
3 Alternative alignments. The Original plus AMENDMENT 1 scopes of work allocated up to 130 hours for
4 additional site access coordination efforts expended between 2011 and November 2014, and 130 hours for
5 anticipated additional site access needs following November 2014, including new properties associated with
6 Alternatives 3 and 4, agency coordination, and permit renewals. The additional 130 hours have been
7 expended on access coordination, including property screenings, agency coordination, and permit renewals.
8 The following private properties, Borel-Cornerstone (Hanson), Christopher Ranch, Indian Mesa, Corona-
9 Cajalco Road Development, Majestic Freeway Business Center and Boulder Springs, have further involved
10 unanticipated, additional coordination and graphic production between December 2014 and June 2016 as
11 summarized below:

- 12 • Coordination with gravel mining company including graphic production and meeting (December 2014 –
13 June 2016).
- 14 • Coordination with Christopher Ranch property to obtain technical studies in lieu of site access
15 (December 2014 – January 2015).
- 16 • Coordination with Indian Mesa properties via COUNTY including graphic production and supplemental
17 access documentation (December 2014 – January 2015).
- 18 • Coordination with COUNTY regarding Corona-Cajalco Road Development, including graphic production
19 (February 2015 - October 2015).
- 20 • Coordination with COUNTY and Majestic Freeway Business Center regarding access permit terms and
21 conditions, including graphic production (October 2015 - November 2015).
- 22 • Coordination with Boulder Springs Holdings LLC (Lehman Brothers Holding Inc.) and Soboba Band of
23 Mission Indians, including graphic production and meetings with property and Tribal representatives
24 (December 2014 – February 2015).
- 25 • Additional ROE reviews of new properties affected by changes in project alignments by technical
26 specialists and coordination.

27 ROE support continued beyond the project duration identified under AMENDMENT 1 for review of individual
28 property entry needs and renewal of expired entry authorizations and permits. In addition, general right of
29 way costs for each alternative have been revised to account for changes in project design and increased
 costs over time (no detailed appraisal or costing information is assumed to be generated during this phase of

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the project). It is assumed that the COUNTY will continue to be responsible for obtaining any additional ROE, and that CONSULTANT will provide the list of parcels that require ROE and provide support to the COUNTY. No appraisals are assumed or included. If the COUNTY desires any advance acquisition work be done then that will be addressed and an amendment provided to the COUNTY for this work.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Updated property access screening lists
- Detailed survey activities information (for permit renewals)

T3 ENVIRONMENTAL TASKS

The following assumptions have been updated in this amendment. Other assumptions included in the Original and AMENDMENT 1 scopes of work remain valid.

- Three modified Build Alternatives (as previously described under Project Description), along with three future six-lane scenario alternatives (for a total of six build alternatives), will be evaluated.
- Build Alternative 3 will be removed from consideration and no additional analysis will be conducted.
- The potential impacts of the project on the Lake Mathews MSHCP and Lake Mathews Reserve will be evaluated for all build alternatives.

3.01 Planning Study (included in 3.02)

No modification to budget is requested.

3.02 Scoping & Coordination

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$255,553.97	\$105,613.13	41%	\$361,167.10

ICF (Includes Item 3.02) (See Also Item 4.08)

Original and AMENDMENT 1 costs included the Planning Study, Initial Study/Notice of Preparation, Scoping, Preliminary Environmental Study, and Notice of Intent. These subtasks have been completed. With the addition of Cooperating and Participating Agencies coordination per 23 USC 139 (formerly 6002), several meetings and coordination points beyond the level assumed under AMENDMENT 1 were determined to be needed based on the level of interest and involvement in the project by multiple agencies. Additional efforts include continued updates to the Coordination Plan, expanded coordination and documentation, outreach, processing feedback and responding to comments received from Cooperating and Participating Agencies, and focused meetings with the Agencies.

Several tasks have been completed under this item and some tasks have been expanded.

1 Initial Study, Notice of Preparation, Notice of Intent: These tasks were completed by CONSULTANT and no
2 effort is assumed or included in this amendment related to this task.

3 Coordination Plan and Cooperating and Participating Agencies: CONSULTANT prepared the Coordination
4 Plan, and Cooperating and Participating Agency Letters of Invitation, Letters Inviting Input on Project
5 Purpose and Need, Letters Inviting Input on Range of Project Alternatives, and Letters Inviting Input on
6 Project Methodology, in accordance with MAP-21 and 23 USC 139 through CALTRANS. These efforts were
7 prepared under AMENDMENT 1. Since the first amendment, several meetings and coordination points
8 beyond the level assumed under AMENDMENT 1 were determined to be needed based on the level of
9 interest and involvement in the project by the 28 confirmed Participating agencies. The additional
10 coordination points include technical study reviews, Draft EIS reviews, and addressing feedback received,
11 and involved additional letters, outreach, and communications. Five (5) meetings, thirteen (13) coordination
12 calls, and three (3) focused calls were held with Cooperating and Participating Agencies for project
13 involvement and review comments received on technical studies. Five (5) focused calls were held with
14 Cooperating and Participating Agencies for project involvement and review comments received on the Draft
15 EIS. Up to twelve (12) additional general Cooperating and Participating Agencies coordination meetings and
16 calls are anticipated through project completion.

17 *Deliverables (reflects revisions associated with AMENDMENT 2)*

- 18 • Coordination Plan Updates (electronic file)
- 19 • Distribution of technical studies for Cooperating and Participating Agency reviews
- 20 • Distribution of Draft EIS sections for Cooperating and Participating Agency reviews
- 21 • Coordination of Cooperating and Participating Agency DEIS comments
- 22 • Distribution of Final EIS sections for Cooperating and Participating Agency reviews
- 23 (assumes eight [8] agencies)
- 24 • Coordination of Cooperating and Participating Agency Final EIS comments

25 **3.03 Environmental Technical Studies**

26 Deliverables identified in the Original Contract and AMENDMENT 1 are assumed to remain the same except as
27 identified in the following descriptions. All studies now assume that six Build Alternatives will be addressed (the
28 three Build Alternatives plus the six-lane "ultimate" cross-sections that are being addressed and were discussed
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earlier). The following identifies work conducted to date and out of scope items required for the project. The Original plus AMENDMENT 1 scopes of work for each technical report remains the same unless otherwise noted.

3.03.01 Historic Property Survey

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase/ Decrease:	Total at Completion:
TOTAL	\$538,146	\$404,792.59	75%	\$942,938.59
HPSR /ASR /XPI	\$226,428	\$146,978.09	65%	\$373,406.09
PHASE II /AER	\$207,036	- \$61,112	- 30%	\$145,924
HRER / CLS Outline (formerly Landscape Evaluation)	\$74,682	\$52,944.71	71%	\$127,626.71
Tribal Coordination	\$24,000	\$25,607.16	107%	\$49,607.16
Tribal Monitors	\$6,000	\$30,000	500%	\$36,000
TCPs	\$0	\$29,861.85	100%	\$29,861.85
TCRs	\$0	\$10,849.19	100%	\$10,849.19
MOA	\$0	\$47,288.21	100%	\$47,288.21
DRP	\$0	\$67,575.47	100%	\$67,575.47
CRDMP	\$0	\$54,799.91	100%	\$54,799.91

ICF/ Cahuilla/ Morongo/ Pechanga/ Soboba

Additional cost has been incurred for survey work, coordination, development of avoidance measures, and evaluations, and other related tasks that were not originally assumed. Budget has been added for expanded and extensive Tribal coordination, addressing Tribal concerns and changes in project design, revised Area of Potential Effect, removal of Alternative 3, replacement of Alternative 2 with Alternative 2C, revised bridge west of Barton Street, and the addition of Tribal Cultural Resources and Traditional Cultural Properties; this includes additional survey, testing, and evaluation of new sites, and expanded areas of previously identified sites. Tribal monitoring during XPI excavations was included for one (1) Tribal monitor for an estimated 10-day period under the Original and AMENDMENT 1 scopes of work. Three (3) Tribes have been added and monitoring days increased to fifteen (15) eight-hour (8-hr) days. Site evaluations for three (3) sites, as included in the Original Contract and AMENDMENT 1, has been increased to ten (10) sites, and the preparation of a Memorandum of Agreement (MOA), have also been added. Based on direction received from CALTRANS, it is assumed the following three attachments to the MOA will be required; Project-specific Data Recovery Plan (DRP), Cultural Resources Discovery and Monitoring Plan (CRDMP), and a Cultural Landscape Study annotated outline (CLS outline).

AMENDMENT 1 assumed that coordination with Native American Tribes beyond that identified in the Original scope of work would be required and that this work would require one hundred (100) hours of time for the cultural lead and archaeologist. The Original and AMENDMENT 1 scopes of work also assumed that the project area would not have to be evaluated as a District, and that village/regional evaluation of cultural

1 sites would not be required. The Original plus AMENDMENT 1 scopes of work further assumed that up to a
2 total of twenty-five (25) archaeological sites would not be exempt under the PA and require evaluation on
3 California historic resource inventory forms (series DPR 523), that ten (10) small sites (i.e., milling sites,
4 small lithic scatters, etc.) would require shovel testing (Extended Phase I), three (3) sites would require
5 Phase II evaluation with up to thirty (30) shovel test probes (STP), and up to three (3) properties would be
6 evaluated in the Finding of Effect (FOE) and that a Finding of No Adverse Effect would result.

7 Since AMENDMENT 1, CONSULTANT archeologists have engaged in expanded Native American
8 consultation involving four (4) Tribes under the direction of CALTRANS staff and the COUNTY. In addition to
9 the five (5) field meetings and meetings with Native American representatives identified in AMENDMENT 1,
10 CONSULTANT archaeologists attended and participated in nineteen (19) additional meetings and
11 conferences, as requested by COUNTY or CALTRANS. In response to new feedback received from the
12 Tribes, and direction received from CALTRANS staff and the COUNTY, three (3) Traditional Cultural
13 Properties (TCPs), one (1) Potential Prehistoric Archaeological District (PPAD), and eleven (11) Tribal
14 Cultural Resources (TCRs), were added to the project and evaluated. The additional sites and resources
15 included adjustments to the project Area of Potential Effect (APE), site boundary refinements in response to
16 Tribal and CALTRANS input, increased site testing, and expanded analysis in the technical studies prepared
17 in support of the HPSR. Up to twenty (20) additional meetings and conference calls with Native American
18 representatives and CALTRANS are anticipated through the remainder of the Project.

19 Archaeological Survey Report (ASR): Expanded scope activities in support of the ASR included adjustments
20 to the APE, ASR, and HPSR to include Potential Prehistoric Archaeological District (PPAD) and Traditional
21 Cultural Properties (TCPs), updated record search/review, and supplemental cultural surveys. Following
22 completion of updated record search/review, CONSULTANT conducted multiple field surveys of new APE
23 areas for archaeological resources. In mid-2019, a PPAD was assigned to a group of prehistoric sites
24 located along one of the alignments per CALTRANS' direction. In late 2019, during opportunity for
25 participating Tribes to concur with the Draft HPSR and supporting studies, Pechanga presented three (3)
26 new TCPs extending throughout the entire project APE. Adjustments to the APE, additional evaluations of
27 sites within the APE, additional coordination with Pechanga, and newly added PPAD and TCPs, required
28 extensive analysis and substantial revisions to the already prepared ASR and HPSR.
29

1 Extended Phase I (XPI): Expanded scope activities in support of the XPI included an additional,
2 supplemental Extended Phase I Proposal, for review and approval by CALTRANS, sixty-five (65) test pits
3 (STPs), and twelve (12) 1x1 meter Test Units (TEUs), approximately forty (40) more STPs and twelve (12)
4 more TEUs than assumed under the Original plus AMENDMENT 1 scopes of work. In addition, it was
5 assumed that fieldwork would take no more than five (5) days, with a crew of two archaeologists, and one (1)
6 Native American monitor required during fieldwork. The number of fieldwork days exceeded the Original plus
7 AMENDMENT scopes assumption by approximately seven (7) days, for a total of twelve (12) days, and
8 included three (3) additional Tribal monitors, for a total of four (4) Tribal monitors.

9 Phase II Evaluation (Phase II): The Original plus AMENDMENT 1 scopes of work assumed that three (3)
10 small prehistoric archaeological sites (i.e., lithic scatters with depth, small habitation areas) would require
11 Phase II evaluation as defined by CALTRANS, and that the results of the Phase II study would be presented
12 in an Archaeological Evaluation Report (AER) as outlined in the CALTRANS SER. In an effort to avoid harm
13 to sites within the APE that may not be disturbed depending upon the project alternative selected, Phase II
14 testing was not undertaken, and the evaluation of National Register eligibility for each site was limited to
15 research, physical survey and XPI testing. The AER has since been approved without Phase II testing;
16 therefore, this effort has been removed and a budget reduction for the combined Phase II/AER task is
17 included in the budget associated with AMENDMENT 2.

18 Archaeological Evaluation Report (AER): Expanded scope activities in support of the Archaeological
19 Evaluation Report (AER) included the evaluation of seven (7) additional sites beyond the Original plus
20 AMENDMENT 1 scope assumptions of three (3) sites, for a total of ten (10) sites, and documentation of
21 expanded Extended Phase I efforts. Because the AER scope of work was combined with the Phase II scope
22 of work in the Original plus AMENDMENT 1 scopes, and site testing and curation related to the Phase II
23 scope was not performed, the additional effort identified above for the AER is included in the current budget,
24 and a budget reduction for removal of Phase II efforts from the scope is included in this Amendment.

25 Landscape Evaluation: A Historic Landscape Evaluation prepared to CALTRANS standards for the
26 prehistoric cultural site known as the Cajalco Creek site was assumed under AMENDMENT 1. In response
27 to the addition of TCPs and per direction by CALTRANS, extensive efforts were undertaken to identify and
28 document details of the site such as physical attributes, land use and spatial patterns, and cultural traditions,
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1 that are normally included in a Landscape Evaluation. These efforts are discussed further under Traditional
2 Cultural Properties, below. The HPSR has since been approved without the Landscape Evaluation; however,
3 the need for a Cultural Landscape Study annotated outline (CLS outline) as attachment to the Memorandum
4 of Agreement (MOA) has also been confirmed by CALTRANS since approval of the HPSR. Therefore, the
5 preparation of a Historic Landscape Evaluation assumed under AMENDMENT 1 is replaced with the
6 following CLS outline scope:

7 The CLS outline will be an attachment to the MOA and generally follow the annotated outline prepared for
8 the Mid County Parkway project, as there is no Caltrans SER Volume 2 exhibit providing format and
9 guidance for preparing CLSs. The CLS outline will include a brief description of the following sections:
10 Historic Landscapes; Research Methods; Environmental, Paleoenvironmental, Prehistoric, and Ethnographic
11 Contexts, Previous Research in Western Riverside County, Overview of the Cultural Landscape of Western
12 Riverside County and the Cajalco Road Study Area, Districts/Cultural Landscapes Identified in the Study
13 Area, References, and Appendices. It is assumed that SHPO and Consulting party review will occur following
14 approval of the administrative draft CLS outline by CALTRANS. Preparation of the complete Cultural
15 Landscape Study, and/or the implementation of plan components during final design (PS&E phase), are not
16 included in this scope and may be prepared and/or provided upon request by the COUNTY for a scope and
17 fee for this effort.

18 Historical Resources Evaluation Report (HRER): In response to removal of Alternative 3, replacement of
19 Alternative 2 with Alternative 2C, and other APE modifications for minor alignment adjustments, drainage
20 facilities and wildlife crossings, CONSULTANT architectural historians revised the previously prepared
21 HRER, including mapping and DPR 523a and 523b forms. Per CALTRANS request, the DPR forms were
22 updated and new properties over 50 years old were surveyed, and previous properties over 50 years old
23 reviewed, and in some cases resurveyed, for the updates; this effort was not included in the Original and
24 AMENDMENT 1 scopes of work. Due to the passage of time and per CALTRANS' request, additional
25 interested parties letters were distributed, and responses to the outreach incorporated into the HRER.

26 Tribal Coordination and Monitoring: The Original plus AMENDMENT 1 scope included up to ten (10) days of
27 monitoring for one Tribe (Pechanga). Three additional Tribes (Cahuilla Band of Indians [Cahuilla], Morongo
28 Band of Mission Indians [Morongo], and Soboba Band of Luiseño Indians [Soboba]) requested formal
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1 consultation and inclusion in the monitoring of site testing activities and the COUNTY directed that they be
2 included in the site testing monitoring. This resulted in addition tribal monitoring than what was previously
3 assumed due to the expanded testing scope of work, the incorporation of three (3) additional Tribes, and an
4 increase to a maximum duration of fifteen (15) days of monitoring. This resulted in the inclusion of four
5 participating Tribes at an hourly rate of \$75 per hour over the fifteen (15) day period. A totaling fifty (50)
6 additional days of monitoring by Tribal monitors beyond the originally assumed ten (10) days in
7 AMENDMENT 1. In addition, coordination with each monitor was required in advance of each field day, and
8 at the close of each day, to ensure site access and document monitoring activities.

9 The project team further met with and discussed the proposed project and area cultural information with
10 Native American Tribes through the 23 USC 139 coordination process. The Draft HPSR was distributed to
11 consulting tribes (Cahuilla, Morongo, Pechanga, and Soboba) in October 2019. Meetings were held with the
12 four Tribes to discuss any comments; three new TCPs extending throughout the entire project APE were
13 presented by Pechanga, and subsequent meetings held and communications exchanged with Pechanga,
14 COUNTY and CALTRANS, to define the limits of the TCPs and determine the approach to be taken in
15 addressing these resources.

16 Traditional Cultural Properties: In late 2019, during the opportunity for participating Tribes to concur with the
17 Draft HPSR and supporting studies, Pechanga presented three new TCPs extending throughout the entire
18 project APE. The details necessary for adequate evaluation of the TCPs were provided over a four-month
19 period by Pechanga via letters, emails, and meetings. The TCPs are considered NRHP-eligible and required
20 additional cultural resources evaluation and documentation, and the revision of already prepared technical
21 studies in order to include the TCPs. Multiple iterations of the boundaries for each TCP were prepared per
22 Tribal input and CALTRANS direction prior to establishment of the limits for evaluation. In response to the
23 addition of TCPs and per direction by CALTRANS, extensive efforts were undertaken to identify and
24 document details of the sites such as physical attributes, land use and spatial patterns, and cultural
25 traditions. In addition to the three new TCPs, other previously documented sites encompassed within the
26 TCP limits were further evaluated for their relationship to the TCPs and potential effects related to effects to
27 the TCPs. The ASR, AER, and HPSR, and Draft EIR/EIS, were revised to include the TCPs and related
28 documentation and correspondence, and the Draft FOE expanded include the TCPs.
29

1 Tribal Cultural Resources (TCRs): Effective January 1, 2015, projects that have a Notice of Preparation for
2 an EIR or Negative Declaration or Mitigated Negative Declaration filed on or after July 1, 2015, are required
3 to consider and evaluate Tribal Cultural Resources as described per Public Resource Code Section 21074,
4 and comply with Tribal consultation requirements of PRC Section 21080.3.1. Because this requirement
5 became active for qualifying projects after 2015, it was not included in the Original or AMENDMENT 1
6 scopes of work. Per COUNTY request, eleven (11) resources that would meet “tribal cultural resource”
7 criteria under PRC Sections 21074, 5020.1(k) (local register of historical resources) and/or Section 5024.1
8 (CRHR), were evaluated, and addressed in the CEQA chapter of the Draft EIR/EIS. This required additional
9 research, evaluation, and documentation related to these sites. No further coordination specifically related to
10 TCRs was undertaken. Ongoing coordination and consultation between the COUNTY and tribal
11 governments, public agencies, and project proponents, per Section 106 of the National Historic Preservation
12 Act of 1966 and Title 23 USC Section 139, has included opportunities for participating California Native
13 American tribes to provide information concerning the value and significance of resources within the project
14 area, and is considered sufficient in meeting the requirements of PRC Sections 21074 and 21080.3.1.

15 Memorandum of Agreement (MOA): CONSULTANT will prepare a Project-specific Memorandum of
16 Agreement between CALTRANS, the California State Historic Preservation Office (SHPO) and Consulting
17 Parties. The MOA will ensure that the Project shall be implemented in accordance with appropriate
18 stipulations developed to take into account the effects of the Undertaking on historic properties. The MOA
19 will govern the Undertaking and all of its parts until the MOA expires or is terminated. The MOA will include
20 the following stipulations: Roles and responsibilities, Area of Potential Effects, plan of treatment for up to
21 thirteen (13) historic properties, reporting requirements and reviews, Native American consultation, mitigation
22 monitoring and reporting plan, late discoveries and unanticipated effects, and administrative provisions.
23 Based on direction received from CALTRANS, it is assumed the following three attachments to the MOA will
24 be required; Project-specific Data Recovery Plan (DRP), Cultural Resources Discovery and Monitoring Plan
25 (CRDMP), and a Cultural Landscape Study annotated outline (CLS outline). The DRP, CRMDP, and CLS
26 outline will describe in detail the methodology and processes to be implemented to resolve adverse effects
27 historic properties resulting from the Undertaking.

28 The DRP will be prepared following the Caltrans SER volume 2, Exhibit 5.6: *Data Recovery Plan Format and*
29

1 Guidance, which contains the following sections: Introduction, Site Descriptions, Site Significance and
2 Research Issues, Proposed Investigation, Public Outreach Plan, Native American Coordination, Personnel,
3 Curation, Archaeological Permits, Anticipated Scope and Schedule, References Cites, Preparer's
4 Qualifications, Maps, and Appendices.

5 The CRDMP will be prepared following the Caltrans SER volume 2, Exhibit 5.11: *Post-Review Discovery and*
6 *Monitoring Plan Format and Guidance*, which contains the following sections: Introduction, Project
7 Description, Archaeological Sensitivity and Rationale for Discovery Plan, Archaeological Context and
8 Research design, Methods, Monitoring, Consulting Parties, References Coted, Preparer's Qualifications, and
9 Attachments.

10 Preparation of the MOA, DRP, CRDMP, and CLS outline, will be led by professionals who meet the
11 Secretary of the Interior's Professional Qualification standards in the discipline of archaeology and who are
12 approved by Caltrans as Principal Investigators.

13 It is assumed that SHPO and Consulting party review will occur following approval of the administrative draft
14 DRP, CRDMP, and CLS outline by CALTRANS. Participation in up to two (2) video conference calls between
15 RCTD/Caltrans/consultant, and up to four (4) video conference calls with consulting tribes, is also assumed.
16 The preparation of documentation of compliance in support of the MOA not identified above, such as Historic
17 Property Treatment Plan, Environmentally Sensitive Area Action Plan, etc., and/or the implementation of plan
18 components during final design (PS&E phase), are not included in this scope and may be prepared and/or
19 provided upon request by the COUNTY for a scope and fee for this effort.

20 **Deliverables** (reflects revisions associated with AMENDMENT 2)

- 21 • Revised Historic Property Survey Report (including APE map, ASR, and HRER)
- 22 • Expanded Extended Phase I Report
- 23 • Expanded Archaeological Evaluation Proposal
- 24 • Expanded Archaeological Evaluation Report
- 25 • Cultural Landscape Study Outline
- 26 • Memorandum of Understanding
- 27 • Project-specific Data Recovery Plan
- 28 • Cultural Resources Discovery and Monitoring Plan
- 29 • Cultural Landscape Study annotated outline

3.03.02 Finding of Effect

Original Plus AMENDMENT 1 Budget:	Amount Reduced:	% Decrease:	Total at Completion:
\$73,069	- \$59,111	- 81%	\$13,958

ICF

This task has been modified to address up to nine (9) properties in the Finding of Adverse Effect; the Original Contract plus AMENDMENT 1 scopes of work included three (3) properties and Finding of No Adverse Effect.

The Original plus AMENDMENT 1 scopes of work assumed that up to three (3) properties would be evaluated in the Finding of Effect (FOE), and a Finding of No Adverse Effect will result. This has been increased to up to nine (9) properties including multiple properties with a Finding of Adverse Effect. In response to the Finding of Adverse Effect, additional discussions were held with CALTRANS regarding proposed measures to avoid or minimize harm to affected resources and confirm development of the MOA. Because the discussions were conducted efficiently, no additional budget was required.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Finding of Adverse Effect

3.03.03 Visual Impacts

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase/Decrease:	Total at Completion:
TOTAL	\$119,651	\$45,383.37	38%	\$165,094.37
ICF	\$18,243	\$14,402.37	79%	\$32,645.37
AECOM	\$101,408	\$30,981	31%	\$132,389

ICF AECOM

Additional cost has been added to address additional visual assessment units, extended visual analysis, and additional visual simulation locations per request by CALTRANS; the number of visual simulations has been increased from eight (8) to fifteen (15).

In response to meetings and coordination with CALTRANS regarding project viewsheds and analysis of visual impacts, this task was expanded to include additional visual simulations and analysis. The number of visual simulations assumed for this task under AMENDMENT 1, eight (8), has been increased to fifteen (15), for a total of seven (7) additional visual simulations.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Additional Visual Simulations
- Expanded Visual Impact Assessment

3.03.04 Noise Study

	Original Plus AMENDMENT 1 Budget:	Amount Requested/Reduced	% Increase/ Decrease:	Total at Completion:
TOTAL	\$235,691	-\$30,058.61	13%	\$205,632.39
Noise Study Report (ICF)	\$235,691	-\$62,579.64	-27%	\$173,111.36
FICON and Rubberized Asphalt Analyses (ICF)	\$0	\$32,521.03	100%	\$32,521.03

ICF

Additional cost has been included to address new FICON analysis of six alternatives, fifteen (15) additional short-term measurements, modeling and analyses, and development of rubberized asphalt mitigation.

The Original plus AMENDMENT 1 scopes of work identified that short-term (10 to 15 minutes duration) sound-level data would be collected at up to forty-five (45) representative noise-sensitive locations throughout the area and that 24-hour measurements would be conducted at up to ten (10) locations. Additional time and effort to confirm noise analysis methodologies and approve the Noise Study Report (NSR) in coordination with CALTRANS was also included in the AMENDMENT 1 scope of work, and was based on local transportation projects at the time of AMENDMENT 1. Since AMENDMENT 1, the short-term locations increased from forty-five (45) to sixty (60) locations, and 24-hour measurements decreased from ten (10) to five (5) locations, respectively. Because noise analysis methodologies were agreed upon with Caltrans without extensive negotiation, and efforts in support of the noise analyses for the NSR and NADR, and preparation of the NSR, were performed efficiently by CONSULTANT, a reduction of the remaining budget for the NSR is included in this Amendment.

FICON Analysis: In response to COUNTY request, additional analysis of the project relative to the Federal Interagency Committee on Noise (FICON) standard was conducted and included in the environmental document.

Rubberized Asphalt Analyses: In response to the findings of the CEQA noise analysis, mitigation of the form of rubberized asphalt was identified and included in the environmental document per COUNTY request.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Expanded Noise Study Report
- FICON analysis (included in ED)
- Rubberized Asphalt analysis (included in ED)

3.03.05 Noise Abatement

	Original Plus AMENDMENT 1 Budget:	Amount Requested/Reduced	% Increase/ Decrease:	Total at Completion:
TOTAL	\$59,567	\$6,697.04	11%	\$66,264.04
Noise Abatement Decision Report (ICF)	\$59,567	-\$16,145.28	- 27%	\$43,421.72
Abatement Surveys (ICF)	\$0	\$22,842.32	100%	\$22,842.32

ICF

Additional cost has been included to address soundwall surveys not included in Original or AMENDMENT 1 scopes of work.

Additional time and effort to confirm the NADR in coordination with CALTRANS was included in the AMENDMENT 1 scope of work, and was based on local transportation projects at the time of AMENDMENT 1. Because efforts in support of the noise analyses for the NADR, and preparation of the NADR, were performed efficiently by CONSULTANT, a reduction of the remaining budget for the NADR is included in this Amendment.

Abatement Surveys: CONSULTANT will work with the project engineer, COUNTY, and CALTRANS, to prepare noise barrier surveys and conduct the survey process to determine the viewpoints of benefited receptors with respect to any walls (i.e., whether owners or non-owner occupants support or oppose any recommended noise barriers) included as abatement as part of the project. CONSULTANT will prepare the survey for review by the COUNTY and CALTRANS, and will send the surveys out to benefited receptors included in the EIR/EIS. This scope assumes that the surveys will be pdf on COUNTY letterhead, the COUNTY will be the recipient of the responses, and will provide CONSULTANT with the responses to be included in the Final EIR/EIS. This scope assumes that two rounds of mailings which will be sent out certified mail will be attempted and that one in person drop off attempt. The responses will be included in a soundwall survey report to be included in the Final EIR/EIS.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Soundwall Survey and Report

3.03.06 Biological Resources

The following addresses out of scope and/or additional tasks that have been determined to be needed for the project.

3.03.06 a Fed, State & MSHCP Jurisdictional Delineation

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase	Total at Completion:
\$146,805	\$85,498.87	58%	\$232,303.87

ICF

Since the AMENDMENT 1 scope for the Jurisdictional Delineation, the following changes have occurred:

- Alternative 3 was removed and Alternative 2 replaced with Alternative 2C
- Wildlife crossings and associated drainages expanded
- Features added to Riparian-Riverine resources recognized by resource agencies
- Project alignment modifications
- Review of project qualification for CWA 404 NWP vs. Individual Permit

Since the prior delineation work performed between 2012 and 2014, and the changes noted in the AMENDMENT 1 scope of work, there have been additional changes that have affected the delineation of jurisdictional resources for the project; these include: changes in the extent of Riparian-Riverine resources; removal of Alternative 3; replacement of Alternative 2 with Alternative 2C; modifications to wildlife crossings and drainages in the areas of jurisdictional features; and, modifications to the alignments of Alternatives 1, 2C, and 4, to avoid or reduce impacts to biological resources and or cultural resources. Additional delineation surveys were conducted between October 2014 and January 2018.

A jurisdictional delineation report was prepared that includes background information, delineation methods, and the results of this delineation in text, tabular, and graphical formats. The report meets the standard requirements for a delineation report in the applicable regions of the Corps of Engineers, California Department of Fish and Wildlife, and Regional Water Quality Control Board. Attendance at up to two (2) meetings by the ICF Project Manager and project delineator with resource agencies related to jurisdictional determinations is assumed.

Riparian-Riverine – Changes in policy/requirements: In response to CDFW and USFWS requests for inclusion of additional Riparian-Riverine resources in MSHCP and CDFW jurisdictions, additional coordination with resource agencies occurred via emails and approximately five (5) focused meetings with RCA and resource agency representatives, to discuss the addition of swales and other features within areas classified as Riparian-Riverine resources. A memorandum was prepared by ICF and submitted to RCA, CDFW, and USFWS, to confirm resources, their extent, and methodology for the project. Based on feedback from the resource agencies, the memorandum was revised and resubmitted to RCA, CDFW, and USFWS. All project mapping that includes Riparian-Riverine resources was updated.

CWA 404 NWP Consistency Review and Adjustment: It was previously assumed that impacts to Waters of the U.S. will be greater than 0.5 acre and thus an Individual Permit will be necessary. A review of impacts to all JD resources (141 for the study area) was conducted in 2020 by ICF regulatory permitting staff and GIS to determine potential coverage of the project under stacked Nationwide Permits (NWP). As a result, it was determined the project could qualify for a stacked NWP for all JD resources, with the exception of feature No. 91. Based on this result, the proposed project drainage design and wildlife crossing located at STA 498+75 (Feature No. 91) was modified to main the function of the drainage and crossing and impacts on the jurisdictional feature were reduce the impacts to a jurisdictional feature while maintaining the function of the drainage and crossing. ICF worked with AECOM to adjust the project design to reduce impacts at the location and subsequently allow the project for consideration of coverage under ACOE NWPs. This review and the coordination with regulatory staff, biologists, GIS, and the project engineers was approximately seventy-five (75) hours.

This scope does not include permitting services.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Revised Jurisdictional Delineation Report

3.03.06 c Least Bell's Vireo & Southwestern Willow Flycatcher

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$62,882	\$8,978.47	14%	\$71,860.47

ICF

Alignment modifications and changes to biological survey area (BSA) 2015 through 2017. Supplemental least Bell's vireo survey north of Cajalco/Alexander intersection.

Between 2011 and 2015, focused surveys for Least Bell's Vireo (LBV) and Southwestern Willow Flycatcher were performed for all build alternatives, as stated in the Original plus AMENDMENT 1 scopes of work. Between 2015 and 2017, supplemental LBV survey was conducted north of the Cajalco Road/Alexander Street intersection to address footprint revisions and changes to the Biological Study Area (BSA) in response to changes in the extent of Riparian-Riverine resources and drainage design. This scope includes incorporation of the results of this work into the NES.

3.03.06 e Habitat Evaluation & Rare Plants

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$73,483	\$33,256.81	45%	\$106,739.81

ICF

Alignment modifications and changes to BSA 2015 through 2018.

Changes to the BSA in response to changes in the extent of Riparian-Riverine resources, replacement of Alternative 2 with Alternative 2C, modified wildlife crossings and drainage design, and alignment adjustments to avoid and minimize impacts to sensitive biological and cultural resources, required additional habitat evaluations for rare plants, and subsequent additional rare plant survey, and documentation performed to address alignment and design changes. The results of this work have been incorporated into the NES.

3.03.06 f Bat Habitat Evaluation and Focused Surveys

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$28,924	\$70,853.55	245%	\$99,777.55

ICF

Initial findings revealed need for substantial additional effort to address identified bat habitat in accordance with evaluation protocol.

Several substantial rock outcroppings with potential habitat for bat roosts and nurseries are located in the western third of the project alignments of Alternatives 1, 2C, and 4. The project has potential to directly and indirectly impact these rock outcroppings. Based on initial findings of the habitat evaluation, substantial potential habitat is present that required additional survey time to meet focused survey protocols for the presence of bat roosts. Focused surveys were performed using a combination of Anabat bat detectors, the unaided ear, and visual techniques on multiple dates at each potential roost location. The Original plus AMENDMENT 1 scopes of work assumed an estimated two (2) survey dates at an estimated eight (8) locations. Based on site conditions confirmed early on during the Bat Habitat Evaluation, completion of the Evaluation and Focused Surveys required fifty-four (54) additional survey days at eighteen (18) additional locations to cover the full extent of potential habitat and meet survey protocol requirements. The study area for this work included the proposed project footprint plus a 300-foot buffer. The results of the work have been incorporated into the NES.

3.03.06 g Vegetation Mapping

Original Plus AMENDMENT 1 Budget: Amount Requested: % Increase: Total at Completion:

Under NES \$10,181 \$9,891.65 97% \$20,072.65

ICF

Alignment modifications and changes to BSA 2015 through 2018. Changes in policy/requirements for documentation of Riparian-Riverine features.

Since the Original and AMENDMENT 1 scopes of work, additional vegetation mapping was performed due to alignment and design changes, changes to the BSA, and CDFW/USFWS requests for inclusion of additional features such as Riparian-Riverine resources. The additional field effort and survey work required GIS data processing as well as pre-field mapping using aerials. The results of the work have been incorporated into the NES.

3.03.06 h Stake Holder Coordination

Original Plus AMENDMENT 1 Budget: Amount Requested: % Increase: Total at Completion:

ICF \$53,874 \$205,752.93 382% \$259,626.93

ICF (Original budget included under NES item 3.03.06m)

Additional meetings with RCA, MWD, COUNTY Counsel, environmental advocacy groups, and other stake holders. Coordination with resource agencies, groups/stake holders expanded to address wildlife crossings.

The Original plus AMENDMENT 1 scopes of work included meeting, and related preparation and coordination time, for up to twelve (12) meetings with wildlife and water resource agencies, RCA, RCHCA, MWD, and Special Interest Groups. As a result of early discussions with the resource agencies and environmental stakeholder groups, additional wildlife corridor analysis was performed, and adjustments made to wildlife crossings; the changes were provided to resource agencies and environmental stakeholder groups for review and feedback. This exchange of information occurred via meetings, email and conference calls, above and beyond what was estimated for general stakeholder coordination. To date, there have been fourteen (14) meetings with the RCA, five (5) meetings with the RCHCA, several meetings with the RCRCD, USFWS, and RWQCB. Approximately nineteen (19) meetings (in-person and conference calls) were also held with MWD to discuss wildlife fencing, wildlife crossings, potential mitigation lands and mitigation options, reducing impacts on MWD lands, and the Lake Mathews MSHCP amendment requirements. It is estimated that up to four (4) additional stakeholder meetings and coordination time would be required through Year 2023.

3.03.06 i Core Wildlife Corridor Analysis

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$61,699	\$80,240.28	130%	\$141,939.28
ICF	\$44,898	\$80,240.28	179%	\$125,138.28
RAHN	\$16,801	\$0	0%	\$16,801

ICF

- Replacement of Alternative 2/2A with Alternative 2C
- Mountain lion and mule deer modeling
- Compatibility reviews and assessments for agency requirements, crossing designs, land use restrictions, wildlife corridors and crossing use potential, and other environmental factors
- Integrative design modifications for dual drainage/crossings
- Field analysis of potential use of two overcrossings for Alternative 1

The Original plus AMENDMENT 1 scopes of work included a qualitative corridor analysis (MSHCP Linkage/Core Corridor Evaluation) for Build Alternatives 1, 2/2A, 3, and 4, quantitative study of up to three (3) potential Alternative 1 overpasses, and alignment/design updates through 2014. Since 2015, additional effort was required to address resource agency and environmental advocacy group wildlife corridor documentation requests with additional wildlife corridor modeling and research, and wildlife crossing updates. This included evaluating crossing designs and placements for consistency with WRC MSHCP requirements, assessing compatibility of crossings with environmental conditions and land use restrictions, and assessing wildlife use potential. This resulted in the identification and coordination of wildlife crossing design and placement updates with project engineers. In addition, between 2015 and 2018, additional wildlife crossing analysis was performed to address the replacement of Alternative 2/2A with Alternative 2C, and alignment and design changes associated with Alternatives 1 and 4.

3.03.06 j Mitigation Lands Evaluation

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$41,895	\$6,394.41	15%	\$48,289.41
ICF	\$31,837	\$6,394.41	20%	\$38,231.41
RBF	Removed	\$0	0%	\$0

ICF (Original budget included under NES item 3.03.06m)

An extensive number of parcel evaluations have been required and additional evaluations may be required as the project moves forward.

This task under the Original plus AMENDMENT 1 task was completed by CONSULTANT, however due to the amount of time since the evaluation of potential mitigation lands, the availability and feasibility of the

1 previously reviewed parcels may have changed. CONSULTANT will conduct a desktop evaluation of up to
 2 five (5) new potential mitigation parcels. The desktop review will include a review of the CNDDDB and CNPS
 3 for potential known sensitive species, analysis of the MSHCP features, and a review of vegetation,
 4 hydrology/drainages, and soils based on aerial imagery. A memorandum will be prepared with the
 5 preliminary findings. No field evaluation is associated with this task.

6 *Deliverables (reflects revisions associated with AMENDMENT 2)*

- 7 • Parcel Analysis Memorandum

8
 9 **3.03.06 k Mitigation Lands Focused SKR**

10 No modification to budget is requested.

11 **3.03.06 l RCHCA/MWD SKR Lands Focused Study**

12 This task was completed by CONSULTANT and no effort is assumed or included in this amendment related
 13 to this task. No further work under this task is assumed and no additional budget being requested.

14 **3.03.06 m Natural Environment Study**

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$470,005.61	\$82,511.73	18%	\$552,517.34

15
 16 *ICF*

17 The additional effort spent to date includes additional fieldwork performed for rare plants, burrowing owl,
 18 jurisdictional delineation, vegetation mapping, and wildlife corridor work.

19 Revisions to the Natural Environment Study (NES) in response to modified survey areas for adjusted
 20 project limits, input received from Participating and Cooperating Agencies and Environmental Advocacy
 21 Groups. Includes removal of Alternative 3, replacement of Alternative 2 with Alternative 2C, modification of
 22 Alternative 4, as well as preparation of an NES Errata.

23 Modifications to the LOD required additional fieldwork for vegetation mapping, rare plants, burrowing owl,
 24 jurisdictional delineation, and wildlife corridor work. A shading memorandum was also prepared for the
 25 COUNTY. The NES was revised based on input from the Participating and Cooperating Agencies and
 26 Environmental Advocacy groups. Adjustments were made to: the project limits (removal of Alternative 3,
 27 replacement of Alternative 2 with Alternative 2C, modification of Alternative 4); incorporation of new field results;
 28 impacts analysis; avoidance, minimization and mitigation measures; jurisdictional delineation impacts analysis,
 29 An NES Errata was prepared to document the updates to the NES that revise, clarify, or make corrections to
 text, tables, and mitigation measures in the NES and Impacts Analysis for Jurisdictional Water Resources.

Deliverables (reflects revisions associated with AMENDMENT 2).

- Shading memorandum
- Revised Natural Environment Study
- Natural Environment Study Errata

3.03.06 n Biological Equivalent or Superior Preservation

No modification to budget is requested.

3.03.06 o Equivalency Lands Analysis Report

No modification to budget is requested.

3.03.06 p WRC MSHCP Minor Amendment and Coordination

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$0	\$73,726.74	100%	\$73,726.74

ICF

The amount of acreage allowable for coverage by the project under the WRC MSHCP was calculated and adjusted based on feedback from RCA. Includes Acreage Allowance Calculation, WRC MSHCP Equivalency Analysis and future coordination.

The Original Contract and AMENDMENT 1 assumptions did not include efforts related to area data calculations and supporting documentation for processing a Minor Amendment to the WRC MSHCP. The amount of acreage allowable for coverage by the project under the WRC MSHCP was calculated and adjusted based on feedback from RCA. Meetings were also held to confirm WRC MSHCP amendment approach, procedure, timing, and future coordination needs. The MSHCP Minor Amendment will be prepared and submitted to the RCA for review prior to submittal of the Joint Project Review (JPR) application. The JPR application will be prepared and submitted separately to the RCA for review. This task assumes one round of comments with the RCA and one (1) round of comments with the CDFW and USFWS for the Minor Amendment, and one round of comments with the RCA and one (1) round of comments with the CDFW and USFWS for the JPR application. Up to three (3) meetings with the RCA, USFWS, and CDFW are assumed to be needed during the Minor Amendment and JPR preparation and comment period.

Deliverables (reflects revisions associated with AMENDMENT 2)

- WRC MSHCP Acreage Allowance Calculations
- WRC MSHCP Minor Amendment
- WRC MSHCP Joint Project Review Application

3.03.06 q RCHCA Core Land Disturbance Report

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$0	\$14,169.41	100%	\$14,169.41

ICF

Minor modification to SKR HCP and documentation for impacts to the Core Reserve. Includes coordination with RCHCA.

The Original Contract and AMENDMENT 1 assumptions did not include efforts related to the preparation of documentation in support of SKR HCP consistency or a Minor Adjustment. A Core Land Disturbance Report will be prepared and coordinated with RCHCA for SKR HCP compliance. The report will be submitted to RCHCA, USFWS, and CDFW for approval. This will also facilitate the Minor Adjustment Request for the SKR HCP which will be prepared as a letter. Additional coordination with the RCHCA may be needed (no more than 1 meeting is assumed) with RCHCA and the wildlife agencies for this task.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Core Land Disturbance Report
- Minor Adjustment Request

3.03.07 Paleontological Identification & Evaluation

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase/ Decrease:	Total at Completion:
TOTAL	\$112,964.40	-\$46,682.03	-41%	\$66,282.37
ICF	\$46,295	\$0	0%	\$46,295
JAMES ALLEN	\$66,669.40	-\$66,669.40	-100%	\$0
Duke CRM	\$0	\$19,987.37	100%	\$19,987.37

ICF, Duke CRM

A Technical Memorandum has been prepared by CONSULTANT in lieu of the Paleontological Identification Report/ Paleontological Evaluation Report, and the findings incorporated into the EIR/EIS. James Allen is no longer providing the services identified in Original Contract scope. Duke CRM is identified for preparation of the Paleontological Mitigation Plan in coordination with CONSULTANT.

A Paleontological Technical Memorandum has been prepared.

Deliverables: Refer to Original Contract and AMENDMENT 1 scopes of work

3.03.08 Paleontological Mitigation Plan

Budget Included under Item 3.03.07. No effort has been expended to date related to this task. James Allen is no longer providing the services identified in Original Contract. Duke CRM is identified for preparation of the Paleontological Mitigation Plan (PMP) in coordination with CONSULTANT. Duke CRM will review and

1 use data presented in the former paleontological memorandum prepared by CONSULTANT, the PIR/PER
 2 previously prepared by LSA Associates, Inc for the Mid County Parkway Project, and other data provided by
 3 CONSULTANT and COUNTY. An agreement with a curation facility/museum such as the Western Science
 4 Center will be prepared. A site visit will be conducted to view geologic exposures along the road.
 5 Photographs will be taken. The PMP will include an introduction, project description (one Alternative only),
 6 description of paleontologically sensitive geologic units that will be disturbed, monitoring and coordination
 7 protocols, emergency discovery procedures, provisions for museum curation/ storage of any specimens
 8 recovered, and maps. Duke CRM will prepare a draft report for CONSULTANT review, a draft for COUNTY
 9 to review, and a draft and final for CALTRANS to review. The report will be provided in PDF and/or MS Word
 10 electronic format. No hard copies or reproductions are included. Tasks associated with the completion of the
 11 PMP include photography, graphics, and word processing/editing.

12 *Deliverables: Refer to Original Contract and AMENDMENT 1 scopes of work*

13
 14 **3.03.09 Air Quality**

15 No modification to budget is requested.

16 **3.03.10 Air Quality Conformity Report & Checklist**

17 No modification to budget is requested.

18 **3.03.11 Relocation Impacts**

	Original Plus AMENDMENT 1 Plus Budget Transfers:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$84,190.74	\$26,910.68	32%	\$111,101.42
ICF	\$15,206	\$11,910.68	78%	\$27,116.68
EPIC	\$68,984.74	\$15,000	22%	\$83,984.74

19
 20
 21
 22 ICF Epic

23 Effort expanded to address adjustments to limits of disturbance and changes in right of way impacts.

24 The assumed number of relocations related to the proposed project increased since the Original scope of
 25 work. Due to various design and alignment adjustments to the project alternatives, the evaluation and
 26 calculation of anticipated relocations was revised multiple times and Draft Relocation Impact Report updated
 27 accordingly.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Revised Relocation Impact Report

For other Deliverables, refer to Original Contract and AMENDMENT 1 scopes of work.

3.03.12 Water Quality

No modification to budget is requested.

3.03.13 Location Hydraulics & Floodplain Encroachment

No modification to budget is requested.

3.03.14 Community Impacts

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$142,838.51	\$43,039.29	30%	\$185,877.80

ICF

Effort expanded to address additional Alternatives and new annotated outline

Since AMENDMENT 1 was approved, adjustments to the limits of disturbance, connecting roadways, and updated incident data have been necessary, and the analysis of community impacts in the previously prepared CIA had to be updated in 2018 to address these items, along with potential changes in property impacts, access, and farmlands acquisitions. The updated farmlands evaluation included calculation of impacts under each alternative, Williamson Act records review, Farmland Impact Rating Form, NRCS coordination, and mitigation development. Since completion of the CIA Update in 2018, comments received from Caltrans' Headquarters on the Draft EIR/EIS resulted in expanded analysis of community impacts, including two additional communities, and expanded analysis of growth, access, and potential environmental justice populations. Separate community profiles were developed and potential community impacts analyzed for each of the six communities. The farmland data presented in the CIA also had to be updated to reflect subsequent coordination with NRCS that occurred following completion of the 2018 CIA update. A CIA Errata was subsequently prepared to include updates since the CIA Update prepared in 2018.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Community Impact Assessment Updates
- Community Impact Assessment Errata

3.03.15 Initial Site Assessment Update and Preliminary Site Investigation

	Original Plus AMENDMENT 1:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$62,223	\$33,684.78	54%	\$95,907.78
ICF	\$8,000	\$2,284.65	29%	\$10,284.65
GROUP DELTA	\$54,223	\$31,400.13	58%	\$85,623.13

ICF, Group Delta

Effort was previously expanded under AMENDMENT 1 to address additional Alternatives. Additional effort since AMENDMENT 1 includes preparation of an updated Initial Site Assessment (ISA), preparation of a Preliminary Site Investigation (PSI), and coordination.

CONSULTANT prepared an ISA report for the proposed project in accordance with CALTRANS and ASTM requirements. The ISA was approved by CALTRANS in 2017. Due to the passage of time, and per CALTRANS and COUNTY request, an updated ISA was prepared by CONSULTANT and approved by CALTRANS in 2020. In response to CALTRANS comments on related sections of the Draft Environmental Document, and per COUNTY request, a Preliminary Site Investigation for two sites was prepared by CONSULTANT and approved by CALTRANS in 2020. The following are the related tasks.

- Prepare the ISA report and summarize findings and recommendations
- Completion of the ISA checklist
- Prepare updated ISA report
- Prepare the PSI report and summarize findings and recommendations

No sampling and laboratory testing or additional effort is included in this scope of work.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Initial Site Assessment and Update
- Preliminary Site Investigation

3.03.16 Aerially Deposited Lead Screening

	Original Plus AMENDMENT 1 Budget:	Amount Decreased:	% Increase/Decrease:	Total at Completion:
Group Delta	\$21,223	-\$12,050	- 57%	\$9,173

Group Delta

The ADL task was added under AMENDMENT 1 and has been completed.

This task has been completed and required less effort than assumed under AMENDMENT 1. Refer to Original Contract and AMENDMENT 1 for the scopes of work for this Task. No additional scope is being added and no additional budget being requested.

Deliverables: Refer to Original Contract and AMENDMENT 1 scopes of work.

3.03.17 Section 4(f) Analysis

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$177,331	\$24,609	14%	\$201,940

ICF

Effort was expanded under AMENDMENT 1 to address three (3) anticipated Section 4(f) resources and the preparation of an Individual rather than a *de minimis* 4(f). Based on coordination with MWD, resource agencies, and Tribes since AMENDMENT 1, four (4) additional sites were introduced for a total of seven (7) sites requiring 4(f) analysis. The number of sites to be analyzed under Section 4(f) at the Individual evaluation level decreased from three (3) to two (2), and the number of sites to be analyzed for *de minimis* impact findings increased from no sites to four (4) additional sites.

In the Original Contract and AMENDMENT 1, it was assumed that three potential Section 4(f) resources would need to be addressed at the Individual evaluation level—the Lake Mathews-Estelle Mountain Core Reserve (Reserve) and two cultural resources sites. Based on coordination with MWD, resource agencies, and Tribes since AMENDMENT 1, it was confirmed that two Individual Section 4(f) evaluations will be required to address two cultural resources sites; however, analysis of the Reserve and four (4) other, additional sites (three cultural and one refuge) would occur at level consistent with *de minimis* impact findings. Analysis will also include multiple NRHP-eligible contributing elements associated with each of the five cultural sites. Thus, while the number of sites subject to 4(f) evaluation at the Individual level decreased from three (3) to two (2), the overall number of sites to be evaluated increased from three (3) to seven (7), and includes additional analysis of multiple NRHP-eligible contributing elements associated with each of the five cultural sites. The requisite Section 4(f) analysis reporting for this project would adhere to guidelines pursuant to 23 Code of Federal Regulations 771.135, as well as the reporting requirements set forth in CALTRANS' Standard Environmental Reference, Volume 1, Chapter 20 [Section 4(f) and Related Requirements].

Deliverables (reflects revisions associated with AMENDMENT 2)

- Expanded Section 4(f) Evaluation. Appendix to EIR/EIS

3.04 Environmental Document EIR/EIS

In the Original Contract it was assumed that an Environmental Assessment (Complex) would be the appropriate NEPA document. The type of NEPA document changed to an Environmental Impact Statement (EIS), and this change was addressed in AMENDMENT 1. The EIR/EIS format used followed the annotated outline for combined EIR/EISs included on CALTRANS SER at the time that the EIR/EIS document was

1 initiated. Since initiation of the EIR/EIS, the annotated outline and CEQA regulations have changed, requiring
 2 new and expanded consideration of Wildfire, Climate Change, Tribal Cultural Resources, and transportation
 3 impacts analysis. In addition, per COUNTY request, additional analysis of noise impacts was conducted
 4 relative to the Federal Interagency Committee on Noise (FICON) standard, and evaluation of rubberized
 5 asphalt. The costs of these analyses are included under Task 3.03.04 Noise Study; however, efforts related
 6 to revisions to the EIR/EIS in response to the changed analyses are addressed under Task 3.04.01.
 7 Furthermore, per COUNTY request, evaluation of Tribal Cultural Resources was conducted and included in
 8 the CEQA analysis for the project, and per Tribal consultations that occurred after AMENDMENT 1, three (3)
 9 Traditional Cultural Properties were identified and included in the EIR/EIS. The costs of these analyses are
 10 included under Task 3.03.01 Historic Property Survey; however, efforts related to revisions to the EIR/EIS in
 11 response to the changed analyses are addressed under Task 3.04.01.

12 The submittals and deliverables identified in the Original Contract and AMENDMENT 1 remain the same with
 13 the exception of the EIR/EIS being updated to address changes in environmental regulations and document
 14 accessibility requirements, and 18 review cycles being added (10 Draft EIR/EIS and 8 Final EIR/EIS) to the
 15 total number identified in AMENDMENT 1 (11), for a total of 29 review cycles.

16 **3.04.01 Draft Environmental Document**

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$751,822	\$447,967.28	60%	\$1,199,789.28

17 ICF (Includes Item 3 04 10)

18 Since AMENDMENT 1, changes to CALTRANS annotated outline content and analysis requirements, and
 19 State environmental analysis and document accessibility requirements, have occurred, and include
 20 additional requirements for addressing Wildfire, Climate Change, Tribal Cultural Resources and
 21 transportation impacts analysis.

22 The Original plus AMENDMENT 1 scopes of work included seven (7) submittal versions of the Draft EIR/EIS
 23 for COUNTY and CALTRANS reviews. Twelve (12) additional revisions and submittals of the Draft EIR/EIS
 24 beyond those identified above, for a total of fifteen (19) submittal versions of the Draft EIR/EIS ended up
 25 being required. In response to COUNTY Legal review in June 2019, and per COUNTY request, additional
 26 documentation and analysis was performed and included in the Draft EIR/EIS for rubberized asphalt, FICON
 27 standards, Vehicle Miles Traveled (VMT), expanded greenhouse gas emissions, and updated farmland
 28 impacts. The additional information resulted in modification to the Draft EIR/EIS and resubmittal to COUNTY
 29

1 prior to submittal to CALTRANS. In response to CALTRANS District review in September 2019, and per
2 COUNTY request, additional documentation and analysis was performed and included in the Draft EIR/EIS
3 for traffic, including CETAP, greenhouse gas (GHG) emissions, wildfire, cultural resources, visual resources,
4 and updated hazards information. The Draft EIR/EIS was also revised for consistency with updates to
5 CALTRANS' Annotated Outline for EIR/EIS. The additional information resulted in modification to the Draft
6 EIR/EIS and resubmittal to COUNTY prior to submittal to CALTRANS. In response to ongoing Tribal
7 consultations, in July 2020, additional documentation and analysis was performed and included in the Draft
8 EIR/EIS for multiple Traditional Cultural Properties. In August, per COUNTY request, the analysis of Tribal
9 Cultural Resources was added to the Draft EIR/EIS, and in September 2020, additional hazards information
10 added in response to CALTRANS comments.

11 An additional submittal of the Draft EIR/EIS was included for PARTICIPATING and COOPERATING
12 AGENCIES in May 2021 for consistency with 23 USC 139 Efficient Environmental Review coordination.

13 **Deliverables** (Submittals 8 through 19 reflect revisions associated with AMENDMENT 2).

14 Draft EIR/EIS (19)

- 15 • Submittal (1) 5/10/2019: Screencheck Draft EIR/EIS to COUNTY
- 16 • Submittal (2) 6/24/2019: Revised Screencheck Draft EIR/EIS to COUNTY and COUNSEL
17 (Add rubberized asphalt analysis, FICON Analysis, VMT analysis, GHG analysis, and
18 update farmland impacts documentation and analysis)
- 19 • Submittal (3) 8/5/2019: Revised Screencheck Draft EIR/EIS to COUNTY and COUNSEL
- 20 • Submittal (4) 9/24/2019: Revised Screencheck Draft EIR/EIS to COUNTY and CALTRANS
21 (revise ISA and update Hazards, expand traffic, add CETAP, revise visual simulations, add
22 expand GHG and cultural, Wildfire, and AB 743 update, AO updates)
- 23 • Submittal (5) 2/13/2020: Administrative Draft EIR/EIS to COUNTY
- 24 • Submittal (6) 3/6/2020: Administrative Draft EIR/EIS to COUNTY and CALTRANS
25 DISTRICT
- 26 • Submittal (7) 7/28/2020: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT (Traditional
27 Cultural Properties added)
- 28 • Submittal (8) 8/4/2020: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT NEPA
29 Quality - Control review (with Comment/Response Matrix, External QC Form, Environmental

Document Review Checklist)

- Submittal (9) 10/5/2020: Draft EIR/EIS to COUNTY and COUNTY COUNSEL (Tribal Cultural Resources and PSI added)
- Submittal (10) 10/21/2020: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT (with Comment/Response Matrix)
- Submittal (11) 11/12/2020: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT NEPA Quality - Control review (with Comment/Response Matrix, Environmental Document Review Checklist)
- Submittal (12) 11/24/2020: Draft EIR/EIS to CALTRANS HQ and Legal reviews
- Submittal (13) 4/8/2021: Draft EIR/EIS to COUNTY
- Submittal (14) PARTICIPATING and COOPERATING AGENCIES 4/22/2021: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT
- Submittal (15) 5/7/2021: Draft EIR/EIS to PARTICIPATING and COOPERATING AGENCIES
- Submittal (16) 7/19/2021: Draft EIR/EIS to COUNTY and CALTRANS DISTRICT NEPA Quality - Control review (with Comment/Response Matrix, External QC Form, Environmental Document Review Checklist)
- Submittal (17) 9/14/2021: Draft EIR/EIS to CALTRANS HQ and Legal (with Comment/Response Matrix)
- Submittal (18) 10/27/2021: Draft EIR/EIS to CALTRANS HQ and Legal
- Submittal (19) 11/2/2021: Final Draft EIR/EIS to CALTRANS HQ and Legal for review/concurrence

3.04.02 Cumulative Impacts

No modification to scope is requested.

3.04.03 Notice of Availability and Public Meetings

Original Plus AMENDMENT 1 Plus Budget Transfers:	Amount Requested:	% Increase:	Total at Completion:
\$53,808	\$15,374.31	29%	\$69,182.31

ICF

The Original plus AMENDMENT 1 scopes of work remains the same for the public hearing; the scope has been expanded to include additional notification efforts for the Notice of Availability of the Draft EIR/EIS,

1 additional public information meetings, and coordination. Related efforts by Arellano Associates
 2 (ARELLANO [Public Outreach Consultant]) are included under Task 3.04.12 (Public Outreach).

3 The Original plus AMENDMENT 1 scopes of work remains the same for the Notice of Availability being
 4 prepared for publication in the Federal Register by FHWA (transmitted by CALTRANS to FHWA) and a
 5 public hearing. In addition to the Notice of Availability/Notice of Public Hearing being prepared for publication
 6 in the newspaper as identified under the Original scope, the Notice of Availability/Notice of Public Hearing
 7 will be published in two additional newspapers, and a second publication of the Notice of Availability/Notice
 8 of Public Hearing will be provided in three newspapers, consistent with CALTRANS Project Development
 9 Procedures Manual. Additional efforts in support of release of the Draft EIR/EIS have also been requested
 10 by the COUNTY; these include updates to Fact Sheet, and webpage linked Draft EIR/EIS sections for
 11 posting on project website. Since 2014, the project has been presented at twelve (12) public meetings.
 12 Related coordination and post-meeting documentation efforts by CONSULTANT are included under this
 13 task.

14 *Deliverables (reflects revisions associated with AMENDMENT 2)*

- 15 • Second publication of Notice of Availability/Notice of Public Hearing in three newspapers
- 16 • Updated Fact Sheet
- 17 • Twelve (12) Additional public information meetings (coordination and documentation)

18 **3.04.04 Response to Comments**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$111,068	\$87,062.08	78%	\$198,130.08
ICF	\$94,473	\$87,062.08	92%	\$181,535.08
ITERIS	\$16,595	\$0	0%	\$16,595

19 ICF. Iteris

20 Effort expanded to address anticipated additional comments based on increased public, agency and
 21 environmental stakeholder interest level. Includes responses to private property inquiries, expanded
 22 coordination with resources agencies, and updates to the EIR/EIS to address supplemental analyses and
 23 assessments involving population data, traffic data and truck traffic, USDOT's Complete Streets,
 24 hydrological conditions, and new equity assessment task. With exception to the resources agency
 25 coordination, equity assessment, and truck traffic tasks, this task includes efforts related to responding to
 26 comments and inquiries, and updates to the EIR/EIS to incorporate the results of the traffic, population,
 27 and hydrological assessments, and community charrettes; actual analyses and assessments involving
 28 traffic data and hydrology, and MWD-specific comments, and community charrettes facilitation, are
 29

1 addressed under separate Tasks 3.04.10 (MWD - Lake Mathews MSHCP), 3.04.12 (Public Outreach),
2 4.02 (Traffic), and 4.05 (Hydrology).

3 In response to agency and public comments received on the Draft EIR/EIS, additional efforts not included in
4 the ORIGINAL plus AMENDMENT 1 scope of work have been identified, including screening-level access
5 and circulation assessments for Eagle Canyon Road/Cajalco Road, responses to public inquiries concerning
6 private properties, expanded coordination with resources agencies regarding project understanding and
7 MSHCP requirements, and supplemental analyses, assessment, and updates to the EIR/EIS, including,
8 population updates, traffic data validations, truck traffic assessment, focused discussion of USDOT's
9 Complete Streets, hydrological analysis, and equity assessment.

10 Per request by COUNTY, supplemental assessment and documentation in support of Executive Order
11 13985, Advancing Racial Equity and Support of Underserved Communities through the Federal Government,
12 will be prepared and included in the Final EIR/EIS. The equity assessment will include a focused evaluation
13 of potential impacts on communities that have been historically underrepresented in the Federal Government
14 and underserved by, or subject to discrimination in, Federal policies and programs. Based on available
15 demographic data, two communities in the project area are identified as meeting criteria as underserved
16 populations and will be assessed for impacts. Up to two local charrettes will be held to engage the
17 community in the identification of potential solutions that may then be used to inform project development
18 and design. The results of the assessment, including public involvement activities and any commitments
19 made, will be included in the Final EIR/EIS.

20 This scope assumes up to two community charrettes, addressed under Task 3.04.12 (Public Outreach). This
21 scope further assumes potential solutions incorporated into the project as a result of the assessment will be
22 limited to minor, localized design updates, minor updates to exiting measures, and/or minor new measures,
23 that do not result in changes to the project limits and/or substantial changes in project impacts. If any of the
24 prior circumstances occur, additional scope and fee for related effort can be provided upon request.

25 **Deliverables** (reflects revisions associated with AMENDMENT 2)

- 26 • Responses to Comments on the Draft EIR/EIS. Expanded effort
- 27 • Supplemental equity assessment, included in Final EIR/EIS
- 28 • Supplemental discussions (traffic, collision reduction estimates, community, MWD/Lake
29 Mathews MSHCP, and hydrology), included in Final EIR/EIS

3.04.05 Final Environmental Document EIR/EIS

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$557,712	\$196,784.15	35%	\$754,496.15

ICF

Effort expanded to address anticipated increased comments on the Draft EIR/EIS and subsequent revisions to the EIR/EIS, and additional CALTRANS reviews.

Original plus AMENDMENT 1 scopes of work included five (5) submittal versions of the Administrative Final EIR/EIS for COUNTY and CALTRANS reviews. Five (5) additional revisions and submittals of Administrative Final EIR/EIS beyond those identified above, for a total of Ten (10) submittal versions of the Administrative Final EIR/EIS, will be prepared. No effort has been expended to date related to this task.

Deliverables (reflects revisions associated with AMENDMENT 2):

Final EIR/EIS (11)

- Submittals 1 to 5 – included under Original and AMENDMENT 1 scopes
- Submittal (6) to COUNTY and CALTRANS DISTRICT (with Comment/Response Matrix)
- Submittal (7) to PARTICIPATING and COOPERATING AGENCIES
- Submittal (8) to COUNTY and CALTRANS DISTRICT (with External QC Form, Environmental Document Review Checklist)
- Submittal (9) to COUNTY and CALTRANS DISTRICT (with Comment/Response Matrix)
- Submittal (10) to CALTRANS HO and Legal for review/concurrence

3.04.06 Environmental Commitments Record

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$8,197	\$4,365.76	53%	\$12,562.76

ICF

Effort expanded to address anticipated increased volume of changes that are expected, and measures, in response to public, agency and environmental stakeholder comments on Draft EIR/EIS, and measures identified during development of project MOA with participating Tribes.

The scope of work for the Environmental Commitments Record has been expanded to address increased public, agency, environmental stakeholder, and Tribal input on the Draft EIR/EIS, changes to the EIR/EIS in response to the increased input, and measures identified during development of project MOA. A draft has been prepared and is included in the preliminary Draft EIR/EIS.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Environmental Commitments Record Expanded

3.04.07 CEQA Findings

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$20,207	\$23,340.41	116%	\$43,547.41

ICF

Effort expanded to include preparation of Statement of Overriding Considerations, and, if needed, Resolution to incorporate the Statement of Overriding Considerations.

Based on the preliminary Draft EIR/EIS prepared for the project, the level of effort assumed under AMENDMENT 1 for the Statement of Overriding Considerations will need to be expanded for the project alternative selected in order to address multiple impacts identified as significant and unavoidable. Per COUNTY request, if recommended by Counsel, CONSULTANT will prepare a Resolution to incorporate the Statement of Overriding Considerations for certification of the EIR.

No effort has been expended to date related to this task.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Statement of Overriding Considerations
- Statement of Overriding Considerations – Resolution

3.04.08 Notice of Determination

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$749	\$2,790.25	373%	\$3,539.25

ICF

Since the Original and AMENDMENT 1 scopes of work, NOD filing fees have increased and the proposed cost reflects the 2022 filing fee for an EIR.

No effort has been expended to date related to this task.

Deliverables (reflects revisions associated with AMENDMENT 2):

- Notice of Determination, Increased Fee

3.04.09 Federal Register Notice

No modification to budget is requested.

3.04.10 MWD Lake Mathews Habitat Conservation Plan

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
Originally included under EIR/EIS	\$99,968.70	100%	\$99,968.70

ICF

Since the Original and AMENDMENT 1 scopes of work, COUNTY and CALTRANS efforts to develop a Memorandum of Understanding with Metropolitan Water District (MWD) changed course to address

1 reopening of the Lake Mathews MSHCP, Lake Mathews operations, and Lake Mathews Reserve.
2 Focused virtual calls will be facilitated by CONSULTANT to address MWD comments on the Draft EIR/EIS
3 and future coordination of the Lake Mathews MSHCP between the COUNTY, CALTRANS, MWD, and
4 responsible agencies.

5 Based on coordination to date with MWD, addressing the Lake Mathews Multiple Species Habitat
6 Conservation Plan and Natural Community Conservation Plan (Lake Mathews MSHCP) in the EIR/EIS will
7 require additional effort not included in AMENDMENT 1 scope of work. The AMENDMENT 1 scope of work
8 included the assumption that the NEPA/CEQA documentation related to the Lake Mathews MSHCP would
9 primarily focus on the biological resources related to the MSHCP. Additional NEPA/CEQA documentation
10 effort since AMENDMENT 1 includes expanded land use, access, hydrology, and cultural resources
11 analyses specific to Lake Mathews MSHCP. No specific deliverables are included as all information will be
12 included in the Draft and Final EIR/EIS. Coordination and evaluation of options for addressing the Lake
13 Mathews MSHCP have been conducted by CONSULTANT including attendance at meetings with COUNTY
14 counsel. It was assumed that up to five (5) meetings with MWD specifically related to the Lake Mathews
15 MSHCP would be attended by the CONSULTANT project manager, environmental lead, lead biologist, and
16 engineering lead under AMENDMENT 1.

17 Between 2011 and 2013, five (5) meetings were held with MWD regarding the Lake Mathews MSHCP.
18 Since 2016, six (6) additional meetings (including virtual meetings) have been held with MWD regarding the
19 Lake Mathews MSHCP. Based on comments received from MWD on the Draft EIR/EIS/Section 4(f) and
20 feedback during the last meeting held with MWD, additional meetings with MWD and other responsible
21 parties associated with the Lake Mathews MSHCP via agreements and/or legal settlements, are anticipated
22 to coordinate a process for reopening the Lake Mathews MSHCP and associated agreements. Up to twelve
23 (12) additional meetings with MWD, three (3) meetings with the Lake Mathews Reserve Management
24 Committee, and six (6) meetings with other Lake Mathews MSHCP responsible parties, for a total of twenty-
25 one (21) meetings, are assumed under this amendment. Initial coordination efforts for reopening the Lake
26 Mathews MSHCP and associated agreements resulted in the development of a draft Actions/Approvals
27 process outline and draft Coordination Plan currently under COUNTY review. It is anticipated that the draft
28 process and coordination plan will establish the framework for the reopening and modification of the Lake
29 Mathews MSHCP and associated agreements, and be refined in coordination with MWD.

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Because the draft process and coordination plan are in early stages of development, the final steps and procedures coordinated with MWD and responsible parties, such as supplemental impact and/or consistency analyses, and modifications to the Lake Mathews MSHCP and related agreement, cannot yet be defined. Therefore, this scope includes an assumed number of hours for the CONSULTANT project manager, environmental lead, lead biologist, and GIS to continue coordination and refinement of the modification process and coordination plan for the Lake Mathews MSHCP and associated agreements, with the COUNTY, MWD, and Lake Mathews MSHCP responsible parties. Up to five (5) iterations of the Actions/Approvals Process and Coordination Plan, and four (4) related exhibits are assumed. The preparation of analyses, documentation, exhibits, or other services, including impact calculations, consistency analyses, supplemental CEQA documentation, amendment proposals, draft updates, and/or coordination of approvals, related to modification of the Lake Mathews MSHCP and related agreements, are not included in this scope. A separate scope and estimate for these services can be provided upon request.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Meeting summaries for up to 21 Lake Mathews MSHCP meetings
- Lake Mathews MSHCP Actions/Approvals Process (5) iterations
- Lake Mathews MSHCP Coordination Plan (5) iterations

3.04.11 Record of Decision

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$32,492	\$11,642.03	36%	\$44,134.03

ICF

A ROD will be prepared for the EIS.

The scope of work for the Record of Decision (ROD) has been expanded to address increased public, agency, environmental stakeholder, and Tribal input on the EIR/EIS, a monitoring and enforcement program that includes measures identified during development of project MOA, and additional measures coordinated with MWD for the Lake Mathews MSHCP, and larger volume of comments, and responses, anticipated on the final EIS.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Draft and Final Record of Decision: Expanded Effort

3.04.12 Public Outreach

	Original Plus AMENDMENT 1 Budget minus Budget Transfers:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$244,979.17	\$113,503.97	46%	\$358,483.14
ICF	\$49,275	\$17,463.04	35%	\$66,738.04
ARELLANO	\$195,704.17	\$96,040.93	49%	\$291,745.10
Optional Task*	\$0	\$50,351.09	100%	\$50,351.09*

ICF, Arellano

Effort expanded to address additional public outreach that has been required for the project due to additional stakeholder and scoping meetings, and additional project information meetings, related coordination prior to and during circulation of the Draft EIR/EIS, and coordination and outreach in support of the Final EIR/EIS. Related efforts by CONSULTANT specific to Public Hearing held during circulation of the Draft EIR/EIS are included under Task 3.04.03 (Notice of Availability and Public Meetings).

*An optional task (Community Charrettes) for the coordination and support of outreach activities for up to two (2) community-based charettes is included to address comments received on the Draft EIR/EIS. The budget allowance for this additional study task is \$50,351.10, and is not included in the Total Amount Requested or Total at Completion, listed above.

Since the addition of AMENDMENT 1, the project has been presented at twelve (12) public meetings and three (3) environmental stakeholder meetings. Related coordination and post-meeting documentation efforts by ARELLANO for public meetings, and related coordination and post-meeting documentation efforts by CONSULTANT for environmental stakeholder meetings, are included under this task. ARELLANO will participate in up to twelve (12) project team coordination meetings, as needed, to support outreach tasks, and will continue to build, ARELLANO will provide support for up to ten (10) briefings to community groups. Support will include updating PowerPoint presentation, preparing/updating exhibits, staffing during briefings, sign-in sheets for participants to receive future project information, and summary memos of each event. The approach for conducting targeted outreach support will largely depend on how the current pandemic continues to evolve.

ARELLANO will assist with updating the project fact sheet, as needed, to include an overview of the projects purpose, process and schedule. Fact sheet would be translated into Spanish and will be posted on-line via the project website and available for handout at community group briefings and Town Halls. Comments/questions and responses at public meetings will be documented as needed, as well as the preparation of draft responses. ARELLANO will prepare a meeting summary report to document outreach activities performed from the release of the Draft EIR/EIS to the release of the Final EIR/EIS. ICF will be

1 responsible for the preparation and formal submittal of outreach reports to environmental agencies and State
 2 Clearinghouse, as legally required.

3 Community Charrettes (Optional Task): ARELLANO will coordinate and support outreach activities for up to
 4 two (2) community-based charrettes prior to the release of the Final EIR/EIS. Dates of the charrettes to be
 5 confirmed by the COUNTY. A 1.5-hour meeting duration is recommended per charrette. Given the
 6 uncertainty with the current pandemic, charrettes may need to be held virtually and/or be supported by other
 7 innovative outreach tactics. ARELLANO will provide virtual public meetings via Zoom as well as
 8 simultaneous in-person support for those with limited access to the internet by hosting outdoor 'Tech Booth'
 9 with live stream of the meeting and opportunities to comment, as needed. Charrette support activities will
 10 include meeting logistics, securing the venue, direct-mail notification, meeting facilitation, documenting
 11 comments received and set-up. Outreach will also coordinate facilitation of up to two (2) project team
 12 practice sessions should the charettes be held virtually. A certified Spanish interpreter will be available
 13 offering simultaneous interpretation during the PowerPoint presentation segment. This option will be
 14 announced, in Spanish, at the top of the English presentation to allow participants preferring to listen to the
 15 presentation in Spanish to obtain a translation transponder. The Spanish interpreter and Spanish speaking
 16 staff will be available to provide interpretation to speak one-on-one to a project team member. The English
 17 and Spanish PowerPoint presentations and fact sheet will be provided to COUNTY for posting to the project
 18 website.

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 20 **T4 PRELIMINARY ENGINEERING TASKS**

21 **4.02 Traffic**

22 **4.02.01 Data Collection & Validation, Existing LOS & Future Volumes, Collision Data, and Sensitivity Analysis**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$148,648	\$59,938.67	40%	\$208,586.67
ITERIS	\$148,648	\$44,938.67	30%	\$193,586.67
ICF	\$0	\$15,000	100%	\$15,000
Optional Task*	\$0	\$11,286	100%	\$11,286*

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 27 *Items ICF*

28 Additional effort beyond the Original plus AMENDMENT 1 scopes of work has been conducted for
 29 updated level of service (LOS) data and analysis consistent with revised opening year (2024), and design

1 year (2044), modified alternatives, updated traffic collision data, additional screening analyses, collision
2 reduction estimates, and sensitivity analysis. Amount to cover updated LOS effort transferred from ICF
3 budget.

4 *An optional task (LOS Analysis - Corona Locations) for the further study of LOS analysis at limited
5 intersections within the City of Corona is included to address comments received on the Draft EIR/EIS.
6 The budget allowance for this additional study task is \$11,286, and is not included in the Total Amount
7 Requested or Total at Completion, listed above.

8 **4.02.01 a Existing LOS**

9 Per COUNTY request, the LOS data at 69 intersections was updated based on traffic counts collected by
10 CONSULTANT in 2014, and the existing AM and PM peak hour LOS reevaluated based on the updated
11 data. This additional effort occurred following AMENDMENT 1.

12 In response to comments received on the Draft EIR/EIS, and per COUNTY request, ITERIS will perform a
13 validation exercise for the original traffic counts in the Corona area. This effort will include:

14 Comparisons of peak hour and daily volume percentages between Corona projects and Cajalco Road
15 project. Iteris will utilize previous Corona area traffic studies to extract volume data (at overlapping locations);
16 Consistency between travel-demand model SED assumptions (households, population, jobs) in the traffic
17 analysis zones within the Corona area; Collection of new/supplemental traffic counts at a limited number of
18 intersections in the Corona area (up to seven [7] locations). The new traffic count data will be compared to
19 original traffic count data. The results of the above analysis will be documented in a data validation
20 memorandum.

21 The scope assumed under this AMENDMENT 2 does not include the collection or processing of additional or
22 new traffic data, or validation of existing data.

23 **4.02.01 b Future Traffic Volumes**

24 The Original plus AMENDMENT 1 scopes of work assumed traffic forecasts for project opening year (2024)
25 and design year (2044) scenarios, for six (6) project design alternatives (Alternatives 1, 2, 3, and 4, and
26 Future Six-Lane [ultimate configuration] Scenarios for Alternatives 1 and 2).

27 Since AMENDMENT 1, CONSULTANT revised traffic forecasts for Alternative 2C, and developed traffic
28 forecasts for two (2) additional project design alternatives (Future Six-Lane [ultimate configuration] Scenarios
29 for Alternatives 2C and 4) for a total of eight (8) project design alternatives (Alternatives 1, 2C, 3, and 4, and

1 Future Six-Lane [ultimate configuration] Scenarios for each). A draft traffic volume development report was
2 submitted, which included the above expanded level of effort, to CALTRANS for review and comment. This
3 additional effort was required after AMENDMENT 1. The scope assumed under this AMENDMENT 2 does
4 not include the processing of additional or new traffic data, or validation of existing future traffic volume data.

5 Sensitivity Analysis: In response to comments received on the Draft EIR/EIS, and per COUNTY request,
6 ITERIS will perform a Sensitivity Analysis to assess the traffic forecasting assumptions used for the project,
7 and will identify (to the extent possible) whether certain transportation facilities/improvement projects were
8 properly considered or whether warrant additional consideration. If any facilities are identified as warranting
9 further consideration because of the assessment, options will be identified to factor the facilities' potential
10 effect on and contribution to traffic information for the project. The evaluation will include a review of both
11 large circulation network projects and/or localized streets and freeway interchange projects. The review will
12 include research into the RIVTAM model used for the Cajalco Road project Traffic Operations Analysis
13 Report (Traffic Study), as well as the 2012 Southern California Association of Governments' Regional
14 Transportation Plan/Sustainable Communities Strategy list of projects. The analysis will include a discussion
15 of the Traffic Study assumptions for both the 2024 and 2044 scenarios. It is assumed that model run outputs
16 will be prepared with the new/updated transportation project list incorporated into the circulation network, and
17 will compare the daily traffic volumes from the new model runs (at the roadway level) to the volumes included
18 in the EIR. The focus of the comparison would be on roadways within Corona as identified in the City's
19 comments as potential impact locations. Detailed intersection and roadway levels of service (LOS) will not be
20 performed as part of this task but could be performed as part of an optional follow-up task (see Optional Task
21 below) , if requested by the agencies. The results of the assessment, including approach/methodology, will
22 be documented in a memorandum.

23 LOS Analysis - Corona Locations (Optional Task): As an optional task, based on the results of the sensitivity
24 analysis and concurrence with County of Riverside, ITERIS will prepare peak hour intersection LOS analysis
25 at limited intersections within the City of Corona not evaluated in the Traffic Study. The analysis will be based
26 on volumes developed from the sensitivity analysis model runs above. The analysis would be performed at
27 up to five (5) Corona intersections not evaluated in the Traffic Study. The results of the assessment,
28 including approach/methodology, will be added to the Sensitivity Analysis memorandum.
29

4.02.01 c Traffic Collision Data

Per COUNTY request, CONSULTANT processed traffic collision data for Years 2013 – 2015 provided by COUNTY, calculated rates, and compared results with CALTRANS Statewide rates for similar facilities. Also per COUNTY request, CONSULTANT revised rate calculations and comparisons using updated data provided for Years 2015 – 2017. These efforts were not included in the Original or AMENDMENT 1 scopes of work. Per COUNTY request, ITERIS will generate basic collision reduction estimates for Build Alternatives 1/2C and Build Alternative 4 (Build Alternatives 1 and 2C collision data are the same), using available collision data for Years 2015 – 2017 and Crash Reduction Factor formulas consistent with either or both of the following guidance: FHWA's Crash Modification Factors Clearinghouse site: www.cmfclearinghouse.org (cmfclearinghouse.org); and Caltrans' Local Roadway Safety Manual: <https://dot.ca.gov/-/media/dot-media/programs/local-assistance/documents/hsip/2020/lrsm2020.pdf> (dot.ca.gov). The results of collision reduction estimates for each alternative, as well the approach/methodology, will be documented in a memorandum.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Traffic Volume Forecast Development Report
- Data Validation Memorandum
- Sensitivity Analysis Memorandum
- Traffic Collision Reduction Estimates Memorandum

4.02.02 Screening Analysis, Alternative Evaluation, and CETAP Analysis

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$65,719	\$9,869	17%	\$76,619

Items

Additional effort beyond the Original and AMENDMENT 1 scopes of work includes evaluations of new conceptual scenarios, including the addition of “without CETAP” scenario, and additional Six-Lane Alternatives under Build Alternatives 2C and 4.

4.02.02 a Screen Analysis

CONSULTANT conducted preliminary model runs and generated ADT volume plots for two additional alignment alternatives for a total eight screened alignment alternatives. CONSULTANT also generated ADT plots for an additional modeling scenario (General Plan Buildout). In addition to the ADT volume plots, CONSULTANT also developed PM peak hour and daily Volume-to-Capacity ratio (V/C) plots for all

scenarios. CONSULTANT also generated Vehicle Miles Traveled (VMT), Vehicle Hours Traveled (VHT), Average Speed, and Travel Time data for the alternatives. CONSULTANT documented the results of the analysis in a Technical Memorandum and also made two sets of revisions to the memorandum based on the comments from the Project Team.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Alignment Screening Analysis Technical Memorandum

4.02.02 b Alternative Evaluation

CONSULTANT has evaluated the advantages and disadvantages of traffic operations of eight alignment alternatives using various area-wide and corridor-wide performance indicators. These included, VMT, VHT, average speeds and travel times, which were developed based on running the modeling scenarios. The results of these analyses were included in the screening analysis technical memorandum. It is not anticipated that any additional work on this task will be required and no effort is assumed or included.

4.02.02 c CETAP Analysis and Illustrations

Per COUNTY request, CONSULTANT evaluated projected conditions without the Community and Environmental Transportation Acceptability Process (CETAP) corridor included (“Without CETAP”) on Cajalco Road for Alternative 1, and summarized findings in a Memorandum. Per COUNTY request, CONSULTANT prepared traffic Volume-to-Capacity (V/C) ratio plots on existing roadways for the No Build and Alternative 1 scenarios for the 2044 “Without CETAP” and 2044 “With CETAP” conditions. The scope assumed under this AMENDMENT 2 does not include additional development and/or processing of CETAP data.

Deliverables (reflects revisions associated with AMENDMENT 2)

- Impact of “CETAP Corridor I-15 to I-215” on the Cajalco Road Corridor Memorandum
- CETAP and non-CETAP Volume-to-Capacity (V/C) ratio plots

4.02.03 Operations

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$143,372	\$23,800	17%	\$167,172
ITERIS	\$143,372	\$0	0	\$143,372
ICF	\$0	\$23,800	100%	\$23,800

1 Iteris

2 Effort expanded to update Day Street analysis. Amount to cover effort transferred from ICF budget.

3
4 **4.02.03 a Open Year Operations**

5 CONSULTANT has completed efforts related to this subtask. CONSULTANT prepared opening year
6 operations analysis for eight (8) project design alternatives (Alternatives 1, 2C, 3, and 4, and Future Six-Lane
7 [ultimate configuration] Scenarios for each) and No Project alternative. Per COUNTY request,
8 CONSULTANT prepared separate model plots for different scenarios at Day Street / Cajalco Road. The
9 scope assumed under this AMENDMENT 2 reflects the completion of design-year operations analyses, and
10 does not include additional or supplemental traffic-related data analysis.

11 **4.02.03 b Interim Year Operations**

12 CONSULTANT has completed efforts related to this subtask on Interim Year (2028) operations.

13 **4.02.03 c Design Year Operations**

14 CONSULTANT has completed efforts related to this subtask. The number of study intersections and
15 freeway/roadway segments were expanded by 32 and 90, respectively, beyond the Original scope of work
16 and the project alternatives were expanded to six build alternatives. The scope assumed under this
17 AMENDMENT 2 reflects the completion of design-year operations analyses, and does not include additional
18 or supplemental traffic-related data analysis.

19 **4.02.03 d Impact Analysis**

20 CONSULTANT has completed efforts related to this subtask. CONSULTANT conducted impact analysis for
21 eight (8) project design alternatives (Alternatives 1, 2C, 3, and 4, and Future Six-Lane [ultimate configuration]
22 Scenarios for each) and No Project alternative. The scope assumed under this AMENDMENT 2 reflects the
23 completion of traffic and traffic-related impact analyses, and does not include additional impact analyses
24 and/or processing of traffic data.

25 *Deliverables (reflects revisions associated with AMENDMENT 2)*

- 26 • Day Street / Cajalco Road Update

27 **4.02.04 Mitigation Measures**

28 No modification to budget is requested.

1 **4.03 Existing Utilities Data**

2 No modification to budget is requested.

3
4 **4.04 Survey Coordination with COUNTY**

5 No modification to budget is requested.

6 **4.05 Hydrology & Hydraulic Report & Optional Task**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
	\$147,683	\$37,796	53%	\$185,479
Optional Task*	\$0	\$39,959	100%	\$39,959*

7
8
9 **AECOM**

10 Task anticipated evaluation of the existing drainage condition with the Flood Control District and
11 incorporation of additional roadside drainage features as part of the project, but a developed drainage
12 system in the area from Brown Street to Alexander Street was also evaluated. Effort expanded to address
13 additional alternatives.

14 *An optional task (Lake Mathews Basin Study) for the further study of hydraulics and detention within
15 areas of the Lake Mathews basin is included to address comments received on the Draft EIR/EIS. The
16 budget allowance for this additional study task is \$39,959, and is not included in the Total Amount
17 Requested or Total at Completion, listed above. It is assumed that no scope, deliverable, or budget is
18 associated with this work task until a defined scope and budget is agreed upon between the COUNTY and
19 CONSULTANT.

20 The Original plus AMENDMENT 1 scopes of work anticipated evaluation of the existing drainage condition
21 with the Flood Control District and incorporation of additional roadside drainage features as part of the
22 project, but a developed drainage system in the area from Brown Street to Alexander Street was also
23 evaluated. Evaluation of the drainage conditions between Clark Street and Brown Street were determined to
24 remain as is under the Widening Project, but the area west of Brown Street required new hydraulic analysis
25 and channel design to address some RCFCD long term drainage issues. A total of three alternative
26 hydraulic evaluations were evaluated and presented for review and incorporation into the final alignment
27 documents. The new drainage channel design and hydraulic work and the associated coordination have
28 increased beyond the Original plus AMENDMENT 1 scopes of work.

29 Lake Mathews Basin Study (Optional Task): In response to comments received from MWD on the Draft
EIR/EIS regarding hydraulics and detention basin areas within the Lake Mathews operations area, an
additional, optional task has been added for further analysis and documentation of potential changes to the

basin areas and hydraulic conditions as a result of the project. An allowance is identified for this optional task until a defined scope and budget is agreed upon between the COUNTY and CONSULTANT.

Deliverables *(reflects revisions associated with AMENDMENT 2)*

- Hydrology and Hydraulics Analysis
- Bridge Hydraulic Analysis
- Lake Mathews Basin Study (Optional Task)

4.06 WQMP & BMP Feasibility Study

No modification to budget is requested.

4.07 Site Assessment & Identify Constraints

No modification to budget is requested.

4.08 Planning Studies & Concept Alignment Alternatives

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$952,320	\$0	0%	\$952,320

AECOM

Original plus AMENDMENT 1 scopes of work for Alternatives 1, 2, 3 and 4, and ultimate 6-lane condition under Alternatives 1 and 2, completed. Effort expanded to address additional cultural avoidance, and ultimate 6-lane conditions under Alternatives 2C and 4. Additional budget is included in request under Task 4.11.

Additional budget is included in request under Task 4.12.

Deliverables *(reflects revisions associated with AMENDMENT 2)*

- Alternatives Evaluation Report/Planning Report
- Concept Alternatives Layouts

4.09 Draft Preliminary Cost Estimates

No modification to budget is requested.

4.10 Evaluate Concept Alignment Alternatives

No modification to budget is requested.

4.11 Prepare Conceptual Alignment Report

No modification to budget is requested.

4.12 Develop Final Alternatives Alignment & Optional Task

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
TOTAL	\$593,226	\$118,690.14	20%	\$711,916.14
Optional Task*	\$0	\$54,837.86	100%	\$54,837.86

AECOM

CONSULTANT was requested to study the area near Harley John Road to evaluate constraints and evaluate roadway connection locations. CONSULTANT was requested to evaluate three alignment alternatives, four profile alternatives, and two bridge alternatives studies from MWD which resulted in additional scope of work. Effort expanded to address requests and outcomes of meetings with MWD and RCRCA. Meetings with RCRCA resulted in roadway alignment evaluations near Temescal Creek. Effort expanded to address additional alternatives.

*An optional task (Supplemental Roadway Evaluation and Design) for the further study of roadway elements and access along Cajalco Road is included to address comments received on the Draft EIR/EIS. The budget allowance for this additional study task is \$54,837.86, and is not included in the Total Amount Requested or Total at Completion, listed above. It is assumed that no scope, deliverable, or budget is associated with this optional task until a defined scope and budget is agreed upon between the COUNTY and CONSULTANT.

CONSULTANT During the course of the project, CONSULTANT was requested to evaluate enhancements and betterments to the design alignments beyond the original anticipated connections between the alignments that had been developed. Some of this work was driven by ROW constraints and trying to minimize ROW takes, and other changes were driven by the traffic modeling elements and preferred connections to existing roadway networks. In the area of Harley John Road, the alignment was adjusted three times to minimize the impact to a local residence along the north-northeast side of the transition curve from Cajalco Road to El Sobrante. These alternatives were presented to RCTD for selection of the preferred ROW approach.

In the area of El Sobrante, four alternative bypass concepts were prepared to connect Alternatives 3 and 4 alignments to old Cajalco Road. These alternatives included modifications to Smith Road, an alternative to cross the settlement pond at the east end of the lake and other alternatives to mitigate the impacts to the right of way, the wetland areas, and to address traffic lane betterments.

The scope of work included coordination with various agencies, including MWD, but for a number of the agencies the associated coordination has increased beyond what was anticipated in the Original plus AMENDMENT 1 scope of work.

1 MWD requested numerous items for coordination with their facilities including the site access issues
2 previously identified as well as locating miscellaneous infrastructure, establishing limits of their dam,
3 numerous meetings, and coordination of roadway through, over, and around their land. Their review of the
4 plans we provided were 'piecemeal' requiring us to re-work and modify bridge locations and roadway
5 alignments and prepare multiple exhibits for review. Two roadway alignments through the area west of their
6 dam were evaluated and then re-evaluated to address earthwork and ROW requirements once MWD
7 provided us with the dam limits. Three profile options including two different bridge options were provided for
8 MWD review and discussion and options for extension of their infrastructure were also provided to MWD for
9 review so that all possible roadway alternatives and associated infrastructure requirements were evaluated.
10 In addition, an evaluation was also prepared where the alignment through the area west of the dam was
11 shifted to the west to avoid impact to MWD's "preferred no-touch boundary for dam embankment". A profile
12 for the shifted alignment was also provided as part of the evaluation. The shifted alignment option was
13 eventually deemed infeasible due to its impact on the MWD conserved lands.

14 Based on the discussions, an arch bridge approximately 1200 feet in length was requested by MWD and
15 COUNTY as the revised design to meet the conditions of MWD. The bridge was evaluated at a conceptual
16 level along with the roadway geometry associated with the bridge. The bridge was not advanced beyond the
17 concept level. This task includes the associated early studies of the bridge and roadway. No further study of
18 this bridge or roadway is anticipated or included.

19 RCRCDC was not anticipated to have much input associated with the roadway alignments and engineering
20 evaluations, but meetings with them resulted in a need to adjust design of the Temescal Creek bridge from a
21 two-span bridge to a 4-span bridge. In addition, their conservation lands had to be evaluated along Temescal
22 Creek and in two locations along Cajalco Road where they had lands associated with Cajalco Creek. The
23 roadway alignment had to be shifted to the north to minimize impacts to their conservation lands.

24 Supplemental Roadway Evaluation and Design (Optional Task): In response to comments received on the
25 Draft EIR/EIS regarding roadway elements, design, and access, an additional, optional task has been added
26 for further evaluations and design considerations. An allowance is identified for this optional task until a
27 defined scope and budget is agreed upon between the COUNTY and CONSULTANT.
28
29

Deliverables (reflects revisions associated with AMENDMENT 2):

- Plans and Profiles of the Final Alternatives
- Supplemental Roadway Evaluation and Design (Optional Task)

4.13 Structures Preliminary Geotechnical Reports

No modification to budget is requested.

4.14 Structural Advance Planning Studies

No modification to budget is requested.

4.15 Staging & Constructability Review

No modification to budget is requested.

4.16 Identify Utility Conflicts & Impacts

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$16,568	\$75,726	457%	\$92,294

AECOM

The alignment was shifted on the east end of the project to reduce overall impacts to SCE pole line and parcels along alignment.

The ROW for the eastern portion for all of the alternatives was originally established to be centered on the existing centerline. As a result of discussions with SCE and due to the cost to replace their poles on both sides of the roadway, it was determined that a modified alignment for the eastern portion of the project would be appropriate. The modified alignment mitigated the cost impacts associated with the SCE poles and also reduced property acquisitions. The original alignment resulted in property takes (full and partial) on both sides of the roadway whereas the modified alignment reduces property takes, property disturbance, and total cost. A complete alignment modification of the roadway from Alexander Street to Harvill Avenue was not included in the AMENDMENT 1 scope of work.

4.17 Right of Way Requirements

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$30,468	\$44,786	147%	\$75,254

AECOM

Effort expanded to address additional alternatives.

The right of way (ROW) for Alternatives 3 and 4 was based on a proposed 6-lane roadway from Harley John Road to the west end for the project. The alignment and ROW were established to these boundaries. As a

1 result of the traffic studies and the inclusion of the MCP into the modeling parameters, the lane and ROW
 2 requirements for a portion of the Alternatives 3 and 4 alignment was reduced to a 4-lane cross section for EI
 3 Sobrante between La Sierra Avenue and Harley John Road.

4 **4.18 Design Exceptions**

5 No modification to budget is requested.

6 **4.19 Final Preliminary Cost Estimates**

7 No modification to budget is requested.

8 **4.20 Project Report Equivalent**

9 No modification to budget is requested.

10 **4.21 Value Engineering**

	Original Plus AMENDMENT 1 Budget:	Amount Reduced:	% Decrease:	Total at Completion:
TOTAL	\$61,207	-\$61,207	- 100%	\$0
ICF	\$18,984	-\$18,984	- 100%	\$0
VMS	\$42,223	-\$42,223	- 100%	\$0

11 ICF VMS

12 Task removed.

13 No work has been conducted to date related to this task. This effort has been removed and a budget
 14 reduction for the task is requested.

15 *Deliverables: Value Analysis Report – DELETED*

16 **4.22 Presentation Exhibits**

17 No modification to budget is requested.

18 **4.23 Video for Public Outreach**

19 No modification to budget is requested.

20 **4.24 Coord & Review Development Projects**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
	\$32,373	\$49,765	154%	\$82,138

21 AECOM

22 Scope of work with AMENDMENT 1 included review of four (4) development plans. To date six (6)
 23 development plans have been reviewed by AECOM each with multiple reviews. Effort expanded to
 24

1 address additional developments and reviews as outlined below.

2 CONSULTANT has performed plan review and coordination on the following development project adjacent to
3 Cajalco Road:

- 4 • Proposed gas station development near Brown Street

5 Additional effort is anticipated for this task for future developments, consisting of either developer or interim
6 COUNTY projects (assumed up to four [4] projects total).

7 The AMENDMENT 1 scope of work provided for up to 4 project reviews. To date a number of development
8 projects have been reviewed with many of them returning for multiple reviews. These include:

- 9 • Proposed gas station development near Brown Street
- 10 • The La Sierra Market Place development project at La Sierra Avenue was reviewed 3 times up to this
11 point in time to evaluate different layouts that they provided. In addition, AECOM modified the alignment
12 for Alternatives 3-4 and also modified the alignment for La Sierra Avenue twice to accommodate this
13 developer's possible access points as well as those of MWD.
- 14 • The MWD site also required multiple design options of roadway alignments to accommodate the MWD's
15 preferences for secondary access points to their treatment site. The existing access locations provided
16 acceptable connection points, but MWD requested better access options for their vehicles which resulted
17 in multiple studies of their site.
- 18 • The Circle-K development site at the corner of Temescal Canyon Road and Alternatives 3-4 was
19 evaluated for any impacts based on their intended site and this site was coordinated with the proposed
20 project ROW with minimal to no impacts.
- 21 • The development projects at Harvill Avenue and Seaton Avenue were evaluated for impacts based on
22 their site plan at the early stage of the project, but these sites may still require additional review to
23 address drainage items.
- 24 • A review of the private properties (three houses) east of Temescal Wash was required to address the
25 issues of preferred site access versus the design access that was evaluated.
- 26 • The property on the south side of Cajalco Road east of Haines Street was evaluated for a mixed-use
27 project.

24 **4.25 Coordination Work with RCFC&WCD**

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$80,703	\$0	0%	\$80,703

26 AECOM

27 Additional coordination effort with RCFC&WCD on Cajalco Creek crossings

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Additional effort is anticipated for this task for the remainder of the project. Additional outreach and coordination included in Task 4.16.

4.26 Environmental Document Coordination

No modification to budget requested.

4.27 Outreach & Coordination for EIS

Original Plus AMENDMENT 1 Budget:	Add Proposed:	% Increase:	Total at Completion:
\$35,099	\$0	0%	\$35,099

AECOM

Additional effort due to expanded 23 USC 139 scope and continuing MWD coordination.

Additional efforts have included extra public outreach meetings, additional adjustments of current alignment alternatives, and additional engineering support for the environmental document. Additional effort is anticipated for this task for the remainder of the project. Additional outreach and coordination included in Task 4.12.

4.28 NADR Engineering Support

No modification to budget is requested.

4.29 Provide Engineering Support for Section 4(f)

Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
\$23,704	\$29,298	124%	\$53,002

AECOM

Due to additional comments from Tribes and resource agencies concerning Section 4(f) resources, two additional bridge alignments and various design options were required and developed by CONSULTANT. Effort expanded to address additional bridge design options.

The scope of work anticipated some dialogue and coordination with the Tribal agencies regarding the roadway through the boulder areas along Cajalco Road. In addition to alignment modifications made southeast of the La Sierra Avenue/Cajalco Road intersection, including a bridge redesign, a proposal was provided to utilize two bridges in this area which was modified to incorporate a new bridge only for the west bound lanes near the boulders and to leave the east bound lanes at grade within the existing ROW. The tribes reviewed these options and required extensive additional information that was beyond the expectations of a normal bridge alignment. To satisfy the tribes, two additional bridge alignments were proposed and the profiles for the bridge were adjusted to meet the tribes' requirements for vertical clearance from the rocks. Additional

1 sketches were provided to the tribes to show horizontal clearances from the rocks and field meetings were
 2 also held with the tribes to view the rocks and discuss the construction access. There were also specific
 3 meetings with the tribes to address the bridge options and presentations of the various options and issues.
 4 This level of work was beyond what was anticipated by the scope of work in AMENDMENT 1.
 5

6 **4.30 Wildlife Crossing Assessment**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
AECOM	\$35,171	\$88,204	251%	\$123,375

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 8 AECOM

Expanded task performed and anticipated for wildlife crossing assessment and engineering support.

9
 10 This task is expanded to include additional wildlife crossings, adjustment in the placement and/or design of
 11 crossings, and the assessment of and engineering support for, wildlife crossings proposed under Alternatives 1,
 12 2C and 4. CONSULTANT was requested to evaluate the impacts of upsizing the small wildlife crossings within
 13 the RCHCA and MWD conserved lands to medium size crossings, beyond the anticipated work involved for the
 14 wildlife crossings. This additional work included an estimate of the cost to increase the crossing sizes to
 15 medium, revising the roadway profile, and determining the limits of disturbance from the revised roadway
 16 profile. The results were presented to RCTD and deemed infeasible due to the additional impacts to the Lake
 17 Mathews Reserve, additional right of way requirements to accommodate the larger crossings, and cost.
 18 After completion of the study of upsizing wildlife crossings from small to medium sizes, AECOM was
 19 requested to upsize the wildlife crossings from medium to large, as well as upsize some other sizes. This
 20 additional work included an estimate of the cost to increase the crossing sizes to medium, revising the
 21 roadway profile, and determining the limits of disturbance from the revised roadway profile.

22 **4.31 Wildlife Crossing Bridge Structures**

	Original Plus AMENDMENT 1 Budget:	Amount Requested:	% Increase:	Total at Completion:
	\$67,048	\$0	0%	\$67,048

23
 24 AECOM

Expanded task for revisions to wildlife crossing bridge structures.

25
 26 Additional design and modifications to proposed wildlife crossing bridge structures included in Task 4.30.
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APPENDIX B • FEE PROPOSAL WORKSHEETS

Cajalco Road Widening Project Fee Revision Summary

COMPANIES	TASK	ORIGINAL	AMENDMENT 1	ORIGINAL + AMENDMENT 1	AMENDMENT 1 TASK ADJUSTMENTS	AMENDMENT 2	PERCENT CHANGE*	TOTAL
ICF Jones & Stokes	Prime (Environmental)	\$ 2,594,213.45	\$2,864,069.80	\$ 5,458,283.25	\$ 0	\$ 2,818,146.87	52%	\$ 8,276,430.12
AECOM/LAN	Engineering/Design	\$ 1,541,420.41	\$1,600,117.96	\$ 3,141,538.37	\$ 260,014.15	\$ 475,265.86	15%	\$ 3,876,818.38
Iteris	Traffic	\$ 346,162.66	\$ 409,641.75	\$ 755,804.41	\$ 11,000.00	\$ 54,807.67	7%	\$ 821,612.08
URS	Water Quality, Hydraulics & Floodplain	\$ 173,999.36	\$ 119,334.44	\$ 293,333.80	\$ -293,333.80	\$ 0	-100%	\$ 0
Group Delta Consultants	Geotech	\$ 70,957.41	\$ 222,770.21	\$ 293,727.62	\$ 0	\$ 31,400.13	11%	\$ 325,127.75
Epic Land Solutions	Relocation Analysis	\$ 121,454.34	\$ 42,698.53	\$ 164,152.87	\$ -77,328.13	\$ 10,999.95	7%	\$ 97,824.69
Arellano and Associates	Public Outreach	\$ 112,000.06	\$ 83,704.11	\$ 195,704.17	\$ 0	\$ 96,040.93	49%	\$ 291,745.10
VMS	Value Engineering	\$ 39,058.14	\$ 3,165.14	\$ 42,223.28	\$ 0	\$ -42,223.28	-100%	\$ 0
James Allen	Paleontology	\$ 40,925.05	\$ 25,744.35	\$ 66,669.40	\$ 0	\$ -66,669.40	-100%	\$ 0
Glen Lukos Associates	Vernal Pool, Watershed & Fairy Shrimp	NA	\$ 62,044.39	\$ 62,044.39	\$ 186,324.81	\$ 0	0%	\$ 248,369.20
SJM	Stephens' Kangaroo Rat	NA	\$ 108,085.15	\$ 108,085.15	\$ -61,619.25	\$ 0	0%	\$ 46,465.90
Rahn Consulting	Wildlife Corridor Analysis	NA	\$ 16,801.14	\$ 16,801.14	\$ 0	\$ 0	0%	\$ 16,801.14
RBF Consulting	Biological Resources Oversight for ROE	NA	\$ 10,057.78	\$ 10,057.78	\$ -10,057.78	\$ 0	-100%	\$ 0
Wicke Consulting	MWD Coordination/Outreach	NA	\$ 66,212.80	\$ 66,212.80	\$ -15,000.00	\$ -25,950.97	-39%	\$ 25,261.83
Duke CRM	Paleontological Mitigation Plan	NA	NA	NA	NA	\$ 19,987.37	100%	\$ 19,987.37
SUB TOTAL		\$ 5,040,190.88	\$ 5,634,447.55	\$10,674,638.43	NA	\$ 3,371,805.13	32%	\$14,046,443.56
CONTINGENCY (10%)						\$ 337,180.51		\$ 337,180.51
OPTIONAL TASKS						\$ 156,433.95		\$ 156,433.95
COMBINED TOTAL						\$ 3,865,419.59		\$ 14,540,058.02

*Percent Change = Percent change from Original plus Amendment 1 to Amendment 2

Cajalco Road Widening Project - Environmental and Engineering Services

August 24, 2022

COMPANIES	PHASE I	PHASE II	PHASE III	PHASE IV	TOTAL
ICF Jones & Stokes Prime	\$ 2,818,146.87				\$ 2,818,146.87
AECOM Engineering/Design	\$ 475,265.86				\$ 475,265.86
Iteris Traffic	\$ 54,807.67				\$ 54,807.67
Group Delta Consultants Geotech	\$ 31,400.13				\$ 31,400.13
Epic Land Solutions	\$ 10,999.95				\$ 10,999.95
Arellano Associates	\$ 96,040.93				\$ 96,040.93
VMS	\$ (42,223.28)				\$ (42,223.28)
Duke CRM PMP	\$ 19,987.37				\$ 19,987.37
James Allen PMP	\$ (66,669.40)				\$ (66,669.40)
Wicke Consulting	\$ (25,950.97)				\$ (25,950.97)
TOTAL	\$ 3,371,805.13				\$ 3,371,805.13
CONTINGENCY 10%	\$ 337,180.51				\$ 337,180.51
OPTIONAL TASKS Engineering, Traffic, Outreach	\$ 156,433.95				\$ 156,433.95
COMBINED TOTAL	\$ 3,865,419.59				\$ 3,865,419.59

Phase I Preliminary Engineering & Environmental

Phase II Plans, Specs & Estimates

Phase III Bid Support

Phase IV Construction Support

FEE PROPOSAL WORKSHEET

COMPANY ICF Jones & Stokes	SCOPE OF WORK Project Summary	PHASE All Phases
PROJECT Cajalco Road Widening Project - Environmental and Engineering Services		DATE 08/24/22

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Calvert, Brian	Proj Dir	1,468	@	\$100.58	\$147,651.44
Anderson, Keturah	Sr Tech Analyst	3,104	@	\$68.28	\$211,941.12
Stoop, Noah	Assoc Consult I	16	@	\$30.29	\$484.64
Lay, Keith	Proj Dir	22	@	\$84.86	\$1,866.92
Buehler, David	Proj Dir	2	@	\$105.00	\$210.00
Guerrero, Mens	Mng Consult	62	@	\$62.92	\$3,901.04
Crawford, Karen	Proj Dir	484	@	\$75.08	\$36,338.72
Ban, Jennifer	Sr Consult III	32	@	\$57.92	\$1,853.44
Trisal, Shilpa	Tech Dir	24	@	\$74.78	\$1,794.72
Hardie, Jon	Tech Dir	151	@	\$76.92	\$11,614.92
Schumaker, Noah	Assoc Consult I			\$32.19	
Swiontek, Soraya	Assoc Consult III	800	@	\$42.61	\$34,088.00
Paul, Daniel	Mng Consult	112	@	\$59.81	\$6,698.72
Glaize, Pierre	Sr Consult III	8	@	\$50.96	\$407.68
Corpuz, Monica	Mng Consult	156	@	\$61.54	\$9,600.24
Flores, Marisa	Sr Consult III	1,844	@	\$57.94	\$106,841.36
Schwartz, Paul	Sr Consult III	168	@	\$55.18	\$9,270.24
Crossen, Shannon	Sr Consult II	798	@	\$50.70	\$40,458.60
Sparks, Michael	Sr Consult III	734	@	\$52.74	\$38,711.16
Vargas, Benjamin	Mng Consult	556	@	\$60.50	\$33,638.00
Hoisington, Gregory	Sr Tech Analyst	449	@	\$66.55	\$29,880.95
Hickman, James	Sr Consult III	206	@	\$52.76	\$10,868.56
Buscombe Brittany	Sr Consult II	252	@	\$49.12	\$12,378.24
Richards, Phillip	Sr Consult II	168	@	\$50.52	\$8,487.36
Mangrich, Makela	Mng Consult	16	@	\$58.97	\$943.52
Martin, Colleen	Assoc Consult III	116	@	\$41.15	\$4,773.40
Twaddell, Hannah	Sr Proj Dir	80	@	\$71.25	\$5,700.00
Fleury, Scott	Proj Dir	2	@	\$88.81	\$177.62
Ramos, Emily	Assoc Consult II	304	@	\$38.46	\$11,691.84
Irvine, Elizabeth	Sr Consult III	464	@	\$54.09	\$25,097.76
Swanson, Megan	Assoc Consult I	60	@	\$31.73	\$1,903.80
Hill, Kristie	Admin Tech	360	@	\$35.53	\$12,790.80
Burch, Isabella	Assoc Consult II	10	@	\$37.50	\$375.00
Byram, Saadia	Sr Consult I	360	@	\$43.58	\$15,688.80
Bryne, Stephen	Sr Consult III	222	@	\$54.12	\$12,014.64
Sukola, Katrina	Assoc Consult II	64	@	\$37.50	\$2,400.00
Morgan, Harcourt	Proj Dir	60	@	\$86.29	\$5,177.40
Rzeszutko, Jakob	Assoc Consult II	12	@	\$37.69	\$452.28
Yasui, Youji	Mng Consult	52	@	\$64.26	\$3,341.52
Snodgrass, Lisa	Assoc Consult I	34	@	\$30.29	\$1,029.86
Higginson, Jonathan	Tech Dir	122	@	\$76.92	\$9,384.24
Mountain-Castro, Jenelle	Assoc Consult II	2	@	\$39.22	\$78.44

TOTAL HOURS **13,956** @ DIRECT LABOR **\$872,006.99**

MULTIPLIERS

ESCALATION @		(Rates Vary by Phase)	
OVERHEAD @	134.61%	(of Direct Labor + Escalation)	\$1,173,808.61
PAYROLL ADDITIVES @	53.88%	(of Direct Labor + Escalation)	\$469,837.37
PROFIT (FIXED FEE) @	10.00%	(of Direct Labor + Escalation + Overhead + Payroll Additive)	\$251,565.30
TOTAL MULTIPLIERS			\$1,895,211.27

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Reprographics	1	@	\$94,680.00	\$94,680.00
Mileage (including rental car)	1	@	\$32,000.00	\$32,000.00
Project supplies	1	@	\$4,800.00	\$4,800.00
Postage/delivery	1	@	\$14,870.00	\$14,870.00
Filing Fee	1	@	\$2,790.25	\$2,790.25
Native American Monitor	50	day	\$600.00	\$30,000.00
Ethnographer	1	@	\$25,000.00	\$25,000.00
Lodging/Meals	115	person/day	\$85.00	\$9,775.00
Traffic Support (ICF budget for services performed by Iteris)	1	@	\$38,800.00	\$38,800.00
TOTAL ODC'S				\$252,715.25

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
AECOM	\$436,505.86		\$38,760.00	\$475,265.86
ICF Jones & Stokes				\$54,807.67
Group Delta Consultants	\$9,643.13	\$17,915.00	\$3,842.00	\$31,400.13
Epic Land Solutions	\$10,999.95			\$10,999.95
Arellano Associates	\$73,540.93		\$22,500.00	\$96,040.93
VMS	(\$36,854.14)		(\$5,369.14)	(\$42,223.28)
James Allen (Paleontology)	(\$66,669.40)			(\$66,669.40)
Duke CRM (Paleontology)	\$6,240.00	\$12,602.37	\$1,145.00	\$19,987.37
Wicke Consulting	(\$24,236.17)		(\$1,714.80)	(\$25,950.97)
TOTAL SUBCONSULTANT SERVICES				\$553,658.26

*NOT INCLUDED IN TOTAL SUBCONSULTANT SERVICES

SUBTOTAL \$3,573,591.77

FEE PROPOSAL WORKSHEET

COMPANY: ICF Jones & Stokes	SCOPE OF WORK: Preliminary Engineering & Environmental	PHASE: Phase I
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: 8/24/2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Calvert, Brian	Proj Dir	1,468	@ \$100.58	\$147,651.44
Anderson, Keturah	Sr Tech Analyst	3,104	@ \$68.28	\$211,941.12
Stoop, Noah	Assoc Consult I	16	@ \$30.29	\$484.64
Lay, Keith	Proj Dir	22	@ \$84.86	\$1,866.92
Buehler, David	Proj Dir	2	@ \$105.00	\$210.00
Guerrero, Meris	Mng Consult	62	@ \$62.92	\$3,901.04
Crawford, Karen	Proj Dir	484	@ \$75.08	\$36,338.72
Ban, Jennifer	Sr Consult III	32	@ \$57.92	\$1,853.44
Trisal, Shilpa	Tech Dir	24	@ \$74.78	\$1,794.72
Hardie, Jon	Tech Dir	151	@ \$76.92	\$11,614.92
Schumaker, Noah	Assoc Consult I		\$32.19	
Swontek, Soraya	Assoc Consult III	800	@ \$42.61	\$34,088.00
Paul, Daniel	Mng Consult	112	@ \$59.81	\$6,698.72
Glaize, Pierre	Sr Consult III	8	@ \$50.96	\$407.68
Corpuz, Monica	Mng Consult	156	@ \$61.54	\$9,600.24
Flores, Marisa	Sr Consult III	1,844	@ \$57.94	\$106,841.36
Schwartz, Paul	Sr Consult III	168	@ \$55.18	\$9,270.24
Crossen, Shannon	Sr Consult II	798	@ \$50.70	\$40,458.60
Sparks, Michael	Sr Consult III	734	@ \$52.74	\$38,711.16
Vargas, Benjamin	Mng Consult	556	@ \$60.50	\$33,638.00
Hoisington, Gregory	Sr Tech Analyst	449	@ \$66.55	\$29,880.95
Hickman, James	Sr Consult III	206	@ \$52.76	\$10,868.56
Buscombe Brittany	Sr Consult II	252	@ \$49.12	\$12,378.24
Richards, Phillip	Sr Consult II	168	@ \$50.52	\$8,487.36
Mangrich, Makela	Mng Consult	16	@ \$58.97	\$943.52
Martin, Colleen	Assoc Consult III	116	@ \$41.15	\$4,773.40
Twaddell, Hannah	Sr Proj Dir	80	@ \$71.25	\$5,700.00
Fleury, Scott	Proj Dir	2	@ \$88.81	\$177.62
Ramos, Emily	Assoc Consult II	304	@ \$38.46	\$11,691.84
Irvin, Elizabeth	Sr Consult III	464	@ \$54.09	\$25,097.76
Swanson, Megan	Assoc Consult I	60	@ \$31.73	\$1,903.80
Hill, Kristie	Admin Tech	360	@ \$35.53	\$12,790.80
Burch, Isabella	Assoc Consult II	10	@ \$37.50	\$375.00
Byram, Saadia	Sr Consult I	360	@ \$43.58	\$15,688.80
Bryne, Stephen	Sr Consult III	222	@ \$54.12	\$12,014.64
Sukola, Katrina	Assoc Consult II	64	@ \$37.50	\$2,400.00
Morgan, Harcourt	Proj Dir	60	@ \$86.29	\$5,177.40
Rzeszutko, Jakob	Assoc Consult II	12	@ \$37.69	\$452.28
Yasui, Youji	Mng Consult	52	@ \$64.26	\$3,341.52
Snodgrass, Lisa	Assoc Consult I	34	@ \$30.29	\$1,029.86
Higginson, Jonathan	Tech Dir	122	@ \$76.92	\$9,384.24
Mountain-Castro, Jenelle	Assoc Consult II	2	@ \$39.22	\$78.44
TOTAL HOURS		13,956	AL DIRECT LABOR	\$872,006.99

MULTIPLIERS

ESCALATION @	(of Direct Labor)	
OVERHEAD @	134.61% (of Direct Labor + Escalation)	\$1,173,808.61
PAYROLL ADDITIVES @	53.88% (of Direct Labor + Escalation)	\$469,837.37
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$251,565.30
TOTAL MULTIPLIERS		\$1,895,211.27

REDUCTIONS

TASKS COMPLETED UNDER BUDGET **-\$201,786.64**

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Reprographics	1	@	\$94,680.00	\$94,680.00
Mileage (including rental car)	1	@	\$32,000.00	\$32,000.00
Project supplies	1	@	\$4,800.00	\$4,800.00
Postage/delivery	1	@	\$14,870.00	\$14,870.00
Filing Fee	1	@	\$2,790.25	\$2,790.25
Native American Monitor	50	day	\$600.00	\$30,000.00
Ethnographer	1	@	\$25,000.00	\$25,000.00
Lodging/Meals	115	person/day	\$85.00	\$9,775.00
Traffic Support (ICF budget for services performed by Iteris)	1	@	\$38,800.00	\$38,800.00
TOTAL ODC'S				\$252,715.25

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC'S	TOTAL
AECOM	\$436,505.86		\$38,760.00	\$475,265.86
AECOM (Optional Tasks)*				\$94,796.86
Iteris	\$17,200.00	\$35,157.67	\$2,450.00	\$54,807.67
Iteris (Optional Tasks)*				\$11,286.00
Group Delta Consultants	\$9,643.13	\$17,915.00	\$3,842.00	\$31,400.13
Epic Land Solutions	\$10,999.95			\$10,999.95
Arellano Associates	\$73,540.93		\$22,500.00	\$96,040.93
Arellano Associates (Optional Tasks)*	\$34,951.09		\$15,400.00	\$50,351.09
VMS	(\$36,854.14)		(\$5,369.14)	-\$42,223.28
James Allen (Paleontology)	(\$66,669.40)			-\$66,669.40
Duke CRM (Paleontology)	\$6,240.00	\$12,602.37	\$1,145.00	\$19,987.37
Wieke Consulting	(\$24,236.17)		(\$1,714.80)	-\$25,950.97
TOTAL SUBCONSULTANT SERVICES				\$553,658.26

*NOT INCLUDED IN TOTAL SUBCONSULTANT SERVICES

LABOR + MULTIPLIERS + ODC + SUB CONSULTANT SERVICES

TOTAL \$3,371,805.13

CONTINGENCY

10% **\$337,180.51**

OPTIONAL TASKS

OPTIONAL TASKS SUBTOTAL **\$156,433.95**

COMBINED TOTAL (TOTAL + CONTINGENCY + OPTIONAL TASKS) \$3,865,419.59

101 Management Coordination & Meetings
 1.01 Project Management
 1.02 Meetings
 1.03 Agency Coordination (incl. under 1.02)

1.04 Agency Coordination (incl. under 1.02)
 1.05 Meetings
 1.06 Agency Coordination (incl. under 1.02)

1.07 Meetings
 1.08 Agency Coordination (incl. under 1.02)
 1.09 Agency Coordination (incl. under 1.02)

1.10 Agency Coordination (incl. under 1.02)
 1.11 Meetings
 1.12 Meetings

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1.88 Meetings
 1.89 Meetings
 1.90 Meetings

Task	Start	End	Duration	Resources	Cost	Notes
3.04.05 Environmental Comments Record	6/1	6/1	1	1	18	
3.04.07 CEQA Findings	6/1	6/1	1	1	144	
3.04.08 Notice of Determination	6/1	6/1	1	1	612	
3.04.09 MWD Habit Conservation Plan	6/1	6/1	1	1	48	
3.04.10 MWD Habit Conservation Plan	6/1	6/1	1	1	72	
3.04.11 Record of Decision	6/1	6/1	1	1	100	
3.04.12 Public Outreach	6/1	6/1	1	1	12	
3.04.13 Public Outreach	6/1	6/1	1	1	12	
T4 PRELIMINARY ENGINEERING TASKS						
4.02.01 Traffic Support (ICF)					24	
4.20 Project Report Esquirell					18	
4.22 Value Analysis					18	
TOTAL					23,340.41	

18 \$ 4,395.76
 144 \$ 23,340.41
 612 \$ 98,640.70
 48 \$ 11,842.03
 72 \$ 17,463.04
 100 \$ 22,842.32
 \$ 28,800.00
\$ (18,994.00)

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: AECOM/LAN	SCOPE OF WORK: Engineering/Design	PHASE: Phase I
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: March 30, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT	
Greg Hefter	Project Manager	142	@	\$119.63	\$16,987.46	
Todd Dudley	Structure Lead Engineer			\$83.42		
Dat Nguyen	Project Engineer (Roadway)	1,136	@	\$85.25	\$96,844.00	
Gary Sjelin	Project Engineer (Drainage)	158	@	\$85.25	\$13,469.50	
Charlotte Wu	Senior Engineer (Design)			\$55.17		
Oliver Baker	Design Engineer	1,154	@	\$45.09	\$52,033.86	
Francis Gbondo	QA/QC			\$80.06		
Francis Gbondo	QA/QC			\$80.06		
		TOTAL HOURS		2,590	AL DIRECT LABOR	\$179,334.82

MULTIPLIERS

ESCALATION @		(of Direct Labor)		
OVERHEAD @	169.33%	(of Direct Labor + Escalation)		\$303,667.65
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additive)		\$48,300.25
TOTAL MULTIPLIERS				\$351,967.90

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	35000	Ea	@	\$1.00	\$35,000.00
Travel (including rental car)	3200	Ea	@	\$0.55	\$1,760.00
Postage/delivery	80	Ea	@	\$25.00	\$2,000.00
TOTAL ODC'S					\$38,760.00
TOTAL					\$570,062.72

SUBCONSULTANT MANHOOR WORKSHEET SUMMARY

COMPANY: AECOM/LAN	SCOPE OF WORK: Engineering/Design	PHASE: All Phases
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: March 30, 2022

TASK	PROJECT MANAGER	STRUCTURE LEAD ENGINEER	PROJECT ENGINEER (ROADWAY)	PROJECT ENGINEER (DRAINAGE)	SENIOR ENGINEER (DESIGN)	DESIGN ENGINEER	QA/QC	HOURS
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PHASE TOTALS	142	1,136	158	1,154	2,590
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PHASE I	142	1,136	158	1,154	2,590
PHASE II					
PHASE III					
PHASE IV					

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Iteris	SCOPE OF WORK: Response to Comments, Data Validation, Sensitivity	PHASE: All Phases
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: May 2, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Viggen Davidian	Project Director	17	@ \$106.00	\$1,802.00
Deepak Kaushik	Associate Vice President	80	@ \$74.00	\$5,920.00
Jennifer Martin	Senior Engineer	56	@ \$75.00	\$4,200.00
Chris Devlin	Senior Planner		\$70.00	
Ted Huynh	Senior Engineer		\$68.00	
Jin Eo	Assistant Planner	122	@ \$38.00	\$4,636.00
Senior Engineer (tbd)	Senior Engineer		\$72.00	
SungWoo Jo	Associate Engineer	76	@ \$44.00	\$3,344.00
Assistant Engineer (tbd)	Assistant Engineer	24	@ \$37.00	\$873.57
TOTAL HOURS		375	AL DIRECT LABOR	\$20,775.57

MULTIPLIERS

OVERHEAD @	178.49% (of Direct Labor)		\$37,082.31
PAYROLL ADDITIVES @	(of Direct Labor)		
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Overhead + Payroll Additives)		\$5,785.79
TOTAL MULTIPLIERS			\$42,868.10

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Traffic Counts	7	Ea @	\$350.00	\$2,450.00
Travel (including rental car)		Ea		
Postage/delivery		Ea		
TOTAL ODC'S				\$2,450.00

TOTAL **\$66,093.67**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Iteris	SCOPE OF WORK: Response to Comments, Data Validation, Sensitiv	PHASE: Phase I
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: May 2, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Viggen Davidian	Project Director	4	@	\$106.00	\$424.00
Deepak Kaushik	Associate Vice President	26	@	\$74.00	\$1,924.00
Jennifer Martin	Senior Engineer			\$75.00	
Chris Devlin	Senior Planner			\$70.00	
Ted Huynh	Senior Engineer			\$68.00	
Jin Eo	Assistant Planner			\$38.00	
Senior Engineer (tbd)	Senior Engineer			\$72.00	
SungWoo Jo	Associate Engineer			\$44.00	
Assistant Engineer (tbd)	Assistant Engineer	24	@	\$37.00	\$873.57
		TOTAL HOURS	54	DL DIRECT LABOR	\$3,221.57

MULTIPLIERS

OVERHEAD @	178.49%	(of Direct Labor)	\$5,750.18
PAYROLL ADDITIVES @		(of Direct Labor)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Overhead + Payroll Additives)	\$897.18
TOTAL MULTIPLIERS			\$6,647.36

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Traffic Counts		Ea	\$350.00	
Travel (including rental car)		Ea		
Postage/delivery		Ea		
TOTAL ODC'S				
TOTAL				\$9,868.93

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:

Iteris

SCOPE OF WORK:

Response to Comments, Data Validation, Sensitivi

PHASE:

Phase II

PROJECT:

Cajalco Road Widening Project - Environmental and Engineering Services

DATE:

May 2, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Viggen Davidian	Project Director	5	@	\$106.00	\$530.00
Deepak Kaushik	Associate Vice President	12	@	\$74.00	\$888.00
Jennifer Martin	Senior Engineer	12	@	\$75.00	\$900.00
Chris Devlin	Senior Planner			\$70.00	
Ted Huynh	Senior Engineer			\$68.00	
Jin Eo	Assistant Planner	34	@	\$38.00	\$1,292.00
Senior Engineer (tbd)	Senior Engineer			\$72.00	
SungWoo Jo	Associate Engineer	24	@	\$44.00	\$1,056.00
Assistant Engineer (tbd)	Assistant Engineer			\$37.00	
TOTAL HOURS		87		AL DIRECT LABOR	\$4,666.00

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	178.49%	(of Direct Labor + Escalation)	\$8,328.34
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,299.43
TOTAL MULTIPLIERS			\$9,627.78

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Traffic Counts		Ea	\$350.00	
Travel (including rental car)		Ea		
Postage/delivery		Ea		

TOTAL ODC'S

TOTAL **\$14,293.78**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Iteris	SCOPE OF WORK: Response to Comments, Data Validation, Sensitivi	PHASE: Phase III
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: May 2, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Viggen Davidian	Project Director	4	@	\$106.00	\$424.00
Deepak Kaushik	Associate Vice President	26	@	\$74.00	\$1,924.00
Jennifer Martin	Senior Engineer	40	@	\$75.00	\$3,000.00
Chris Devlin	Senior Planner			\$70.00	
Ted Huynh	Senior Engineer			\$68.00	
Jin Eo	Assistant Planner	72	@	\$38.00	\$2,736.00
Senior Engineer (tbd)	Senior Engineer			\$72.00	
SungWoo Jo	Associate Engineer	32	@	\$44.00	\$1,408.00
Assistant Engineer (tbd)	Assistant Engineer			\$37.00	
TOTAL HOURS		174		AL DIRECT LABOR	\$9,492.00

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	178.49%	(of Direct Labor + Escalation)	\$16,942.27
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$2,643.43
TOTAL MULTIPLIERS			\$19,585.70

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Traffic Counts		Ea	\$350.00	
Travel (including rental car)		Ea		
Postage/delivery		Ea		

TOTAL ODC'S

TOTAL **\$29,077.70**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Iteris	SCOPE OF WORK: Response to Comments, Data Validation, Sensitivi	PHASE: Phase IV
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: May 2, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Viggen Davidian	Project Director	4	@	\$106.00	\$424.00
Deepak Kaushik	Associate Vice President	16	@	\$74.00	\$1,184.00
Jennifer Martin	Senior Engineer	4	@	\$75.00	\$300.00
Chris Devlin	Senior Planner			\$70.00	
Ted Huynh	Senior Engineer			\$68.00	
Jin Eo	Assistant Planner	16	@	\$38.00	\$608.00
Senior Engineer (tbd)	Senior Engineer			\$72.00	
SungWoo Jo	Associate Engineer	20	@	\$44.00	\$880.00
Assistant Engineer (tbd)	Assistant Engineer			\$37.00	
TOTAL HOURS		60		AL DIRECT LABOR	\$3,396.00

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	178.49%	(of Direct Labor + Escalation)	\$6,061.52
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$945.75
TOTAL MULTIPLIERS			\$7,007.27

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Traffic Counts		Ea	\$350.00	
Travel (including rental car)		Ea		
Postage/delivery		Ea		

TOTAL ODC'S

TOTAL **\$10,403.27**

SUBCONSULTANT MANHOOR WORKSHEET SUMMARY

COMPANY: Iteris	SCOPE OF WORK: Response to Comments, Data Validation, Sensitivity, C	PHASE: All Phases
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services	DATE: May 2, 2022	

TASK	PROJECT DIRECTOR	ASSOCIATE VICE PRESIDENT	SENIOR ENGINEER	SENIOR PLANNER	SENIOR ENGINEER	ASSISTANT PLANNER	SENIOR ENGINEER	ASSOCIATE ENGINEER	ASSISTANT ENGINEER	HOURS
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PHASE TOTALS	17	80	56	122	76	24				375
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PHASE I	4	26						24		54
PHASE II	5	12	12		34		24			87
PHASE III	4	26	40		72		32			174
PHASE IV	4	16	4		16		20			60

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Group Delta Consultants	SCOPE OF WORK: Hazardous Waste	PHASE: ISA
PROJECT: Cajalco Road Widening Project		DATE: 12/6/2019

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
	Principal	4	@ \$99.82	\$399.28	
	Associate	18	@ \$65.62	\$1,181.16	
	Senior		\$52.62		
	Project	84	@ \$41.40	\$3,477.60	
	Staff		\$32.04		
	CAD		\$36.84		
	Admin Supprt	4	@ \$30.95	\$123.80	
		TOTAL HOURS	110	AL DIRECT LABOR	\$5,181.84

MULTIPLIERS

ESCALATION @		(of Direct Labor)		
OVERHEAD @	159.80%	(of Direct Labor + Escalation)	\$8,280.58	
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,346.24	
			TOTAL MULTIPLIERS	\$9,626.82

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
Mileage	300	Mile @	\$0.57	\$171.00	
EDR (Data Search) - Update	1	Report @	\$3,500.00	\$3,500.00	
Soil Laboratory		Event	\$2,500.00		
Sampling Supplies		Day	\$100.00		
Hazmat Laboratory		Event	\$1,500.00		
Hand Auger Labor		Day	\$1,600.00		
				TOTAL ODC'S	\$3,671.00

TOTAL **\$18,479.66**

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY

Group Delta Consultants

SCOPE OF WORK

Hazardous Waste

PHASE

ISA

PROJECT

Cajalco Road Widening Project

DATE

December 6, 2019

TASK	PRINCIPAL	ASSOCIATE	SENIOR	PROJECT	STAFF	CAD	ADMIN SUPPRT	HOURS	COST

Total Manhours

4	18	84	4	110
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Project scope review		1	8					9	\$ 1,134
Site Recon.		1	12					13	\$ 1,607
Review EDR Data			8					8	\$ 947
Historical Records/Agency Reviews		2	12					14	\$ 1,795
Draft Report		8	24			2		34	\$ 4,517
Response to comments		2	4					6	\$ 848
Final Report	4	2	12			2		20	\$ 3,113
Project Admin, QA/QC, Meetings		2	4					6	\$ 848

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Group Delta Consultants	SCOPE OF WORK: Hazardous Waste - Preliminary Site Investigation	PHASE: PSI
PROJECT: Cajalco Road Widening Project		DATE: 7/22/2020

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
	Principal	7	@ \$99.82	\$698.74
	Associate	20	@ \$65.62	\$1,312.40
	Senior		\$52.62	
	Project	12	@ \$41.40	\$496.80
	Staff	60	@ \$32.04	\$1,922.40
	CAD		\$36.84	
	Admin Supprt	1	@ \$30.95	\$30.95
TOTAL HOURS		100	AL DIRECT LABOR	\$4,461.29

MULTIPLIERS

ESCALATION @	(of Direct Labor)	
OVERHEAD @	159.80% (of Direct Labor + Escalation)	\$7,129.14
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,159.04
TOTAL MULTIPLIERS		\$8,288.18

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage	300	Mile @	\$0.57	\$171.00
EDR (Data Search) - Update		Report	\$3,500.00	
Soil Laboratory		Event	\$2,500.00	
Sampling Supplies		Day	\$100.00	
Hazmat Laboratory		Event	\$1,500.00	
Hand Auger Labor		Day	\$1,600.00	
TOTAL ODC'S				\$171.00

TOTAL **\$12,920.47**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY: Group Delta Consultants	SCOPE OF WORK: Hazardous Waste - Preliminary Site Investigation	PHASE: All Phases
PROJECT: Cajalco Road Widening Project	DATE: July 22, 2020	

TASK	PRINCIPAL	ASSOCIATE	SENIOR	PROJECT	STAFF	CAD	ADMIN SUPPRT	HOURS
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\$285.27 \$187.53 \$150.38 \$118.31 \$91.56 \$105.28 \$88.45

PHASE TOTALS

7	20	12	60	1	100
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ISA					
PSI	7	20	12	60	1
Bridge Hazmat					

7 20 12 60 1 100

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:

Group Delta Consultants

SCOPE OF WORK:

Hazardous Waste - Preliminary Site Investigation

PHASE:

PSI

PROJECT:

Cajalco Road Widening Project

DATE:

July 22, 2020

TASK	PRINCIPAL	ASSOCIATE	SENIOR	PROJECT	STAFF	GAD	ADMIN SUPPRT	HOURS	COST
	\$265.00	\$187.50	\$150.00	\$118.00	\$71.50	\$105.25	\$55.40		

Total Manhours

7	20		12	60		1		100
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Document Review	1	2		4	16		1		24	\$ 2,687
Data Analyses and Summary		2			12				14	\$ 1,474
Draft Report	4	8		8	20				40	\$ 5,419
Response to comments	1	4			4				9	\$ 1,402
Final Report	1	2			6				9	\$ 1,210
Project Admin, QA/QC, Meetings		2			2				4	\$ 558

RCTD
Cajalco Road Widening
Public Outreach
12 Months **5/5/2022**

LABOR COSTS		Chester Britt		Elsa Argomaniz		Creative Lead		Project Coordinator		Asst. Project Coordinator		TOTAL	
		Principal-in-Charge		Senior Project Coordinator									
		*Rate	\$ 305.18	\$ 159.79	\$ 127.16	\$ 86.47	\$ 73.75						
Task	Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
1	Team Meeting & Coordination	25	\$ 7,630	60	\$ 9,587	-	\$ -	-	\$ -	-	\$ -	85	\$ 17,216.90
2	Stakeholder Database	-	\$ -	10	\$ 1,598	-	\$ -	15	\$ 1,297	40	\$ 2,950	65	\$ 5,844.95
3	Support for Briefings/Town Halls	10	\$ 3,052	50	\$ 7,990	-	\$ -	40	\$ 3,459	55	\$ 4,056	155	\$ 18,556.35
4	FEIR/EIS Notification	2	\$ 610	15	\$ 2,397	10	\$ 1,272	15	\$ 1,297	30	\$ 2,213	72	\$ 7,788.36
5	Collateral Material/Presentation Material	2	\$ 610	25	\$ 3,995	15	\$ 1,907	20	\$ 1,729	20	\$ 1,475	82	\$ 9,716.91
6	Public Inquiries	-	\$ -	20	\$ 3,196	-	\$ -	25	\$ 2,162	30	\$ 2,213	75	\$ 7,570.05
7	Summary Report	2	\$ 610	15	\$ 2,397	5	\$ 636	20	\$ 1,729	20	\$ 1,475	62	\$ 6,847.41
LABOR SUBTOTAL		41	\$ 12,512	195	\$ 31,159	30	\$ 3,815	135	\$ 11,673	195	\$ 14,381	596	\$ 73,540.93
ESTIMATED DIRECT COSTS*													
Postage												\$ 5,000.00	
Printing/Photocopy												\$ 3,500.00	
Spanish Translations												\$ 1,000.00	
Display Ads (1 Round)												\$ 8,500.00	
Mailing Supplies 80												\$ 300.00	
Occupant and Parcel Data												\$ 2,000.00	
Mileage												\$ 2,200.00	
SUB-TOTAL												\$ 22,500.00	
TOTAL PROPOSED BUDGET												\$ 96,040.93	

* Rates are fully burdened, inclusive of 131.20% overhead and 10% profit fee.

** To be billed at actual cost.

RCTD
Cajalco Road Widening
Public Outreach
12 Months **5/5/2022**

LABOR COSTS		Chester Britt		Elsa Argomaniz		Creative Lead		Project Coordinator		Asst. Project Coordinator		TOTAL	
		Principal-in-Charge		Senior Project Coordinator									
		*Rate: \$ 305.18		\$ 159.79		\$ 127.16		\$ 86.47		\$ 73.75			
Task	Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
	Team Meeting & Coordination	25	\$ 7,630	80	\$ 12,783	-	\$ -	-	\$ -	-	\$ -	105	\$ 20,412.70
	Stakeholder Database	-	\$ -	15	\$ 2,397	-	\$ -	25	\$ 2,162	45	\$ 3,319	85	\$ 7,877.35
	Support for Briefings/Town Halls	10	\$ 3,052	50	\$ 7,990	-	\$ -	40	\$ 3,459	55	\$ 4,056	155	\$ 18,556.35
	FEIR/S & Meeting Notification	2	\$ 610	25	\$ 3,995	15	\$ 1,907	25	\$ 2,162	45	\$ 3,319	112	\$ 11,993.01
	Collateral Material/Presentation Material	2	\$ 610	30	\$ 4,794	20	\$ 2,543	25	\$ 2,162	25	\$ 1,844	102	\$ 11,952.76
	Public Inquiries	-	\$ -	20	\$ 3,196	-	\$ -	25	\$ 2,162	30	\$ 2,213	75	\$ 7,570.05
	Summary Report	2	\$ 610	15	\$ 2,397	5	\$ 636	20	\$ 1,729	25	\$ 1,844	67	\$ 7,216.16
	Charrettes (Optional)	8	\$ 2,441	60	\$ 9,587	10	\$ 1,272	60	\$ 5,188	60	\$ 4,425	198	\$ 22,913.64
LABOR SUBTOTAL		49	\$ 14,954	295	\$ 47,138	50	\$ 6,358	220	\$ 19,023	285	\$ 21,018.75	899	\$ 108,492.02
ESTIMATED DIRECT COSTS*													
Postage												\$	7,400.00
Printing/Photocopy												\$	9,000.00
Spanish Translation/Interpretation/Translation Unit Rentals												\$	4,000.00
Display Ads (1 Round)												\$	8,500.00
Venue Rentals (2 Venues)												\$	2,250.00
Meeting/Mailing Supplies/Refreshments												\$	2,250.00
Occupant and Parcel Data												\$	2,000.00
Mileage												\$	2,500.00
Mobile Tech Van/Booth (2)												\$	-
SUB-TOTAL												\$	37,900.00
TOTAL PROPOSED BUDGET												\$	146,392.02

* To be billed at actual cost.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: Duke CRM	SCOPE OF WORK: Paleontological Mitigation Plan	PHASE: Phase I
PROJECT: Cajalco Road Widening Project - Environmental and Engineering Services		DATE: April 22, 2022

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT	
Curt Duke	Project Manager	24	@	\$80.00	\$1,920.00	
Crystal Cortez	Senior Paleontologist	32	@	\$36.00	\$1,152.00	
Adrian Garibay	Paleontologist	88	@	\$27.00	\$2,376.00	
Edgar Alvarez	GIS Analyst	24	@	\$33.00	\$792.00	
		TOTAL HOURS		168	TOTAL DIRECT LABOR	\$6,240.00

MULTIPLIERS

OVERHEAD @	174.51%	(of Direct Labor)	\$10,889.42
PAYROLL ADDITIVES @		(of Direct Labor)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Overhead + Payroll Additives)	\$1,712.94
TOTAL MULTIPLIERS			\$12,602.37

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Western Science Center	1	Ea	@	\$950.00	\$950.00
Travel (including rental car)	300	Ea	@	\$0.65	\$195.00
		Ea			
TOTAL ODC'S					\$1,145.00
TOTAL					\$19,987.37