

AMENDMENT NO. 1 TO
NAPA COUNTY AGREEMENT NO. 260303B
PROFESSIONAL SERVICES AGREEMENT

THIS AMENDMENT NO. 1 (“Amendment No. 1) of **NAPA COUNTY AGREEMENT NO. 260303B** is made and entered into as of this 28th day of July 2026, by and between Napa County, a political subdivision of the State of California, hereinafter referred to as “County,” and ADKO Engineering, Inc., a California corporation, whose business address is 140 Diamond Creek Place, Roseville, CA 95747 hereinafter referred to as “Consultant,” or “ADKO.”

RECITALS

WHEREAS, County entered into Napa County Agreement No. 260303B with Consultant on February 9, 2026 (“Agreement”), to obtain specialized services, as authorized by Government Code section 31000, in order to provide engineering design and support services for the 1699 Diamond Mountain Road Landslide Repair Project, RDS 26-39 (“Project”); and

WHEREAS, County and Consultant now desire to amend the Agreement to increase the scope and compensation in order to provide additional engineering design and support services for the Project.

TERMS

NOW, THEREFORE, County and Consultant hereby amend the Agreement as follows:

1. Article I, subparagraph 1.1, of the Agreement is amended to read in full as follows:

Scope of Services. Consultant shall provide County those services set forth in Exhibit "A", attached to the Agreement as originally approved and incorporated by reference therein, and those additional services set forth in Exhibit "A-1" attached to Amendment No. 1 of the Agreement. Exhibit A-1 is attached hereto and incorporated herein by this reference.
2. Article III, subparagraph 3.1.1, of the Agreement is amended to read in full as follows:

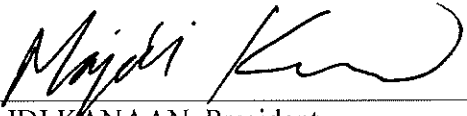
Rates. County shall pay Consultant according to the compensation and fee schedule set forth in Exhibit “B”, attached to the Agreement as originally approved and incorporated by reference therein, and those additional fees set forth in Exhibit “B-1” attached to Amendment No. 1 of the Agreement. Exhibit B-1 is attached hereto and incorporated herein by this reference.
3. Article III, subparagraph 3.1.3, of the Agreement is amended to read in full as follows:

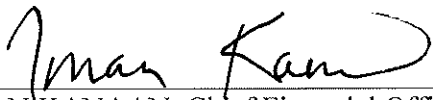
Maximum Amount. Notwithstanding subparagraphs (a) and (b) or any other provision of this Agreement, the maximum payments under this Agreement shall be **Four Hundred Twenty Seven Thousand Six Hundred Ninety One AND 07/100 DOLLARS (\$427,691.07)**; provided, however, that such amounts shall not be construed as guaranteed sums, and compensation shall be based upon services actually rendered and reimbursable expenses actually incurred.

4. Except as provided in subparagraphs 1.1 and 3.1.3, above, all other provisions of the Agreement shall remain in full force and effect as previously approved.

IN WITNESS WHEREOF, County and Consultant have executed this Amendment No. 1 to Napa County Agreement No. 260302B as of the date first above written.

ADKO ENGINEERING, INC.

By 
MAJDI KANAAN, President

By 
IMAN KANAAN, Chief Financial Officer

NAPA COUNTY, a political subdivision of
the State of California

By _____
AMBER MANFREE, Chair of the Board of
Supervisors

"COUNTY"

APPROVED AS TO FORM Office of County Counsel By: <u>Ryan FitzGerald (e-sign)</u> Deputy County Counsel Date: <u>July 9, 2026</u>	APPROVED BY THE NAPA COUNTY BOARD OF SUPERVISORS Date: _____ Processed By: _____ Deputy Clerk of the Board	ATTEST: NEHA HOSKINS Clerk of the Board of Supervisors By: _____
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EXHIBIT "A-1"

SCOPE OF WORK

Within this Exhibit "A-1", references to "our" mean "ADKO's" and references to "we" mean "ADKO."

SCOPE OF WORK

ADKO Engineering shall provide the following engineering services for the project.

TASK 1: PROJECT MANAGEMENT

Task 1.1 - Project Management activities will include:

- Project administration, coordination with subconsultants, county and other stakeholders
- Attend meetings and prepare meeting minutes, and action items
- Prepare progress schedule and monitor schedule
- Manage project budget and prepare monthly invoices

Task 1.2: QC Engineer

ADKO's Senior Engineer will provide QC and constructability reviews on the 35%, 65% and 100% submittals. The review will be documented and submitted to County at the request of the project manager. The QC engineer will back check work product to ensure comments were addressed.

Task 1.3: QA Services

ADKO will provide QA services and reviews. The reviews will be documented and submitted to County at each phase of the project.

Task 1.4: Project Meetings and Site Visit

ADKO's team will participate in design development meetings and resolve technical issues as they arise and to review project status and budget. A minimum of four design development meetings are proposed. ADKO will attend conference calls to receive and respond to review comments. One site visit is anticipated for the project.

Deliverables

- Meeting Minutes
- QA/QC review comments
- Schedules

TASK 2: PERFORM SURVEYS AND PREPARE BASE PLANS

Task 2.1: Field Survey and Mapping

Albion Surveys will provide the necessary project control and topographic surveys of both sites. The topographic surveys will cover the project limits as determined by the design consultants as

well as the areas described in the Damage Assessment and Recommendation Report for each site. In addition, field reconnaissance and surveys for existing controlling monuments of record will be performed to assist in the placement of record right of way and ownership information onto the surveys. All field surveying activities will be overseen by Brian Frazier, PLS, including planning, methodology and equipment. All office surveying activities will be overseen by Mark Garrette, PLS, including data reduction, terrain modeling, boundary analysis and quality control. CTA assumes any right of entry or encroachment permits will be provided by others. Specific services for these projects would be as follows:

- Records research related to property boundaries, control and benchmarks.
- Prepare field survey plan and the necessary search coordinates for boundary and right of way information.
- Establish project control by GPS data logging and processing through the NGS OPUS web interface to obtain CCS83, Zone 2 horizontal control and NAVD 88 vertical control.
- Set a minimum of two permanent control points at each site which would be suitable for future construction uses.
- Tie existing controlling monuments found during field reconnaissance.
- Topographic field surveys to gather spot elevations sufficient for a design level topographic survey, including all grade breaks, high/low points and other features necessary to develop a proper terrain model.
- Field surveys to locate the existing improvements at the project site, visible surface utility features, such as manholes, valve boxes, utility poles, etc., existing trees, driveways, fences and other improvements that may be present within the project limits developed for each site. All accessible manholes and drain inlets will be investigated and pipe sizes and depths recorded.
- Office analysis of the field data to reconcile the record data with the evidence found in the field.
- Develop a digital terrain model of each site and process 1' contours across both.
- Prepare a 1"= 20' topographic survey exhibit for each site. Each exhibit will also include the existing right of way and ownership information available, the location of the project control and Information related to the horizontal and vertical datum's used.
- Prepare legal description and exhibit plat for Temporary Construction Easements

Task 2.2: Survey Verification

Albion Surveys will perform construction survey verification of the contractor's layout.

Deliverables:

- Digitally signed pdf copy of each survey site.
- AutoCAD drawing files of each site
- Copies of field notes and photos taken during our field survey efforts.
- Plats and legal descriptions (assumes one per site)
- Survey verification memorandum

TASK 3: GEOTECHNICAL

Following recent site visits, including one with County Staff on January 15th, and experiences at similar sites, we are pleased to propose our geotechnical engineering services for the design and construction of a new uphill “catchment” retaining wall to reduce landsliding impacts to the roadway below the failing slope. Sliding in this area was initially reported during the winter of 2024/2025 and a significant volume of slide material has been removed from the site by Roads Department. Additional sliding is anticipated at the site so the “repair plan” we discussed on January 15th includes a relatively tall “catchment wall” on the uphill side of the roadway. The catchment wall will prevent soil/slide debris from landing on the roadway, although overtopping of the wall could occur which will then allow debris to affect the roadway. The taller the wall, the more catchment area and less risk of overtopping but additional construction costs will need to be considered in “optimizing” the wall height which we anticipate will be about 10 feet.

Based on our discussions on January 15th, a wall length of about 150 feet is anticipated, and wall design will include provisions that should allow easier removal of accumulated debris behind the wall. Elevating the roadway by perhaps a foot will be required for proper site drainage, along with reconstructing/repaving the roadway which has deteriorated due to debris removal. The purpose of our services is to develop geotechnical criteria for the project design team to use in preparing construction plans and technical specifications for the project.

Task 3.1: Geotechnical Investigation Report with Design Recommendations

Based on the findings from our Phase 1 drilling and topographic mapping, we will consult with the project design team to select a “preferred” repair alternative. We will prepare a Geotechnical Investigation Report with recommendations for the preferred repair type which we anticipate will be a subdrain and buttress fill. Our report will also include subsurface drainage recommendations, recommendations for backfill compaction an maximum slope inclination, roadway restoration, utility trenches and other items.

Task 3.2: Supplemental Consultation

We will consult with the project consultants and County Staff as plans are being prepared and we will review plans to offer an opinion on whether they conform to our recommendations.

Task 3.3: Construction Observation and Testing

During construction, we should be present intermittently to observe and test the geotechnical portions of the work in order to verify conditions are as anticipated and that the Contractor’s workmanship is in general conformance to the project plans and specifications. Items to be observed include foundation excavation and concrete placement (if a conventional wall is selected) or geogrid for a block wall, wall drainage and backfill placement and compaction along with other items, depending on final design and roles of other consultants.

Deliverables:

- Geotechnical Borings
- Geotechnical Report
- Supplemental Consultation Memorandum
- Construction Observation and Testing Report

TASK 4: HYDROLOGY AND HYDRAULICS

This scope of services will provide hydraulics analyses for the Diamond Mountain emergency drainage in Napa County. Schaaf & Wheeler will gather field data, review all available data for the site, perform hydrology and hydraulic analyses, and develop a proposed engineering solution to meet the County's goals. Schaaf & Wheeler will conduct the necessary task to size emergency stormwater conveyance facilities on Diamond Mountain Road.

Task 4.1: Develop Flows

Schaaf & Wheeler will develop steady state flows for the site using standard methodologies. Likely, the 2-year and 10-year flows will be developed.

Task 4.2: Size New Channels

Schaaf & Wheeler will develop and size two channel concepts. One atop the recent slope failure material and the other approximately in the pre-failure locations. The channels will be sized based on the flows in Task 1. Schaaf & Wheeler will work with the project team to determine the proposed channel bed material.

Task 4.3: Size Culvert

Schaaf & Wheeler develop a culvert size and alignment based on the post slide conditions. The culvert will be sized based on the flows from Task 1.

Task 4.4: Size Inlet and Outfall Concept Development

Schaaf & Wheeler will develop concepts for the intake and outfalls for the culvert and channels in Tasks 2 and 3. Readily available standard details will be utilized for these facilities.

Task 4.5 Technical Memorandum and Standard Details

Based on the results of Tasks 1 to 4, Schaaf & Wheeler will develop a technical memorandum. This technical memorandum will present the results of the analyses and recommendations.

TASK 5: ENVIRONMENTAL STUDIES

Task 5.1: Cultural Resources Assessment and Letter Report

Kleinfelder will conduct a records search at the Northwest Information Center (NWIC), located at Sonoma State University to request all previous site records and reports completed within the project area and the surrounding 0.5-mile radius. Staff will also conduct site-specific research for the project area and surrounding vicinity including references on file from previous work conducted in the project vicinity and a review of historic maps (e.g., Sanborn Fire Insurance Maps, Government Land Office Plat Maps). The cultural resources review will identify any previous archaeological and/or historic-period built environment resources reported in the area. A Sacred Lands File (SLF) search with the Native American Heritage Commission (NAHC) will be conducted to determine if any SLFs have been reported within the Project Area or surrounding vicinity. Kleinfelder will also conduct a cultural resources survey and inventory of the project area to assess any cultural resources present on the site. This task assumes one archaeologist will perform one, 8-

hour field survey and record. This estimate includes costs associated with pre-field preparation, travel, and other direct costs (e.g., mileage, global positioning system [GPS] usage). Within approximately 30 business days after completion of the fieldwork, a Draft Cultural Resources Inventory Report will be prepared and submitted. One report will be prepared to satisfy both CEQA and Section 106 of the National Preservation Act (NHPA). The report will describe the results of background research, cultural context, records search and survey results, and any management recommendations.

Assumptions:

- A map depicting the limits of ground disturbance with depth of ground disturbance per construction activity will be provided at notice to proceed (NTP).
- No Native American consultation support is included.
- No in-person meetings are required for archaeological or tribal cultural resources.
- The cost of the records search at the NWIC will not exceed \$500.
- This scope assumes no more than one cultural resource will require recordation or updates. If additional cultural resources are encountered or if the project has the potential to impact a cultural resource, additional cultural resources technical studies may be required, and a scope/budget augment prepared.
- Does not include completion or implementation of any proposed or required mitigation measures (e.g., additional documentation of historic structure).
- The final approved report will be submitted to the NWIC.
- One electronic version of the Archaeological Assessment Report will be provided within approximately 6 weeks of NTP. Kleinfelder will respond to one round of comments (4 hours maximum) and provide a final electronic version of the report.
- Both sites can be surveyed the same day.
- Mileage at the standard 2026 IRS rate is included in this task.

Task 5.2: Biological Resources Assessment and Letter Report

This task is comprised of a desktop evaluation of terrestrial wildlife and plant species and habitats, to document existing biological resources within the proposed project area. Prior to the field survey, a query of the following databases will be performed to identify any occurrences of listed or special status species, sensitive habitats, and/or rare and endangered plants found within a two-mile radius of the site:

- California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB)
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) Planning Tool
- USFWS National Wetlands Inventory (NWI),
- California Native Plant Society (CNPS) Rare Plant Inventory
- USFWS Critical Habitat Mapper

The results of the desktop evaluation will be presented in a technical letter report. The report will

include a description of the project, a discussion of the methods, an assessment of existing vegetation communities, sensitive biological resources, wetlands or other waters potentially under jurisdiction of the U.S. or State, the significance of potential project impacts in accordance with CEQA and/or NEPA, and any recommended avoidance and mitigation measures that would be necessary for project approval to avoid or reduce these impacts.

The need for additional focused biological surveys or formal wetlands delineation will be identified, as well as regulatory mechanisms necessary for approval of the slide repair. Graphics will be prepared to illustrate the location of the site, the existing biological conditions, and any potential wetlands or waters of the U.S. or State. Proposed mitigation requirements for potential impacts to sensitive resources will be discussed in terms of regional planning, state and federal laws and guidelines.

Assumptions:

- Does not include permitting assistance. Kleinfelder would be happy to provide a separate scope and cost upon request if the biological resources report determines that environmental permits are needed.
- Both sites can be surveyed on the same day.
- If the scope of the Project changes or expands, additional field surveys may be required at an additional cost.

Task 5.3: Northern Spotted Owl Protocol-Level Surveys (Required if construction takes place between February 1 - August 31)

A team of two qualified Kleinfelder biologists will conduct protocol-level surveys for Northern spotted owl (NSO) within an approximate 0.25-mile buffer around the project area that contains suitable habitat for NSO. Up to 100 acres will be included in the buffer area. The survey procedure will follow guidance from the U.S. Fish and Wildlife Service (USFWS) Protocol for Surveying Proposed Management Activities That May Impact Northern Spotted Owls (2012) and will consist of performing six nighttime spot calling surveys at established calling stations. Surveys will be performed at least seven days apart, and at least three of the complete visits will be conducted before 30 June; this includes at least two visits in May and one in June. A digital wildlife caller will be used and NSO recordings will be played for the duration of approximately 3-4 complete calls, then 1-2 minutes will be spent listening at each station before playing another set of calls. This cycle will be repeated for approximately 10-15 minutes at each station, or until a NSO responds. Surveys will not be performed during periods of inclement weather (e.g., rain, heavy fog, or high winds), or in areas near streams where there is potential for noise interference with NSO calls.

During each survey, datasheets will be utilized to record information regarding survey time, location, weather, presence of other raptors, compass bearing and approximate distance to NSO, time of first response, age of NSO (if known), status (resident single, individual, or pair, and if there is an active nest), and type of detection (audible or visual). Each NSO estimated location will be recorded with a GPS device and depicted on an appropriately scaled map.

Should a NSO detection occur during any of the nighttime calling surveys, this task includes one daytime follow-up survey to determine the status of the detected NSO. Should there be a gap between project initiation/construction and the start of the NSO nesting season, this task includes up to three spot check surveys, to be performed using the U.S. Fish and Wildlife Service (USFWS) Protocol for Surveying Proposed Management Activities That May Impact Northern Spotted Owls (2012). A summary memo for each spot check survey is included in this task.

The results of the surveys will be documented in an email to the client and Napa County within 48 hours after completion. A memo will be prepared at the conclusion of the surveys that will describe the site location, times and dates of the surveys, weather observations, methods, and results of the surveys. Any active nests will be recorded by the qualified biologist and depicted on a field map for documentation. This task includes up to 12 total hours of time for coordination with the client and Napa County, coordination with CDFW regarding the results of the protocol-level surveys, and response to any comments from CDFW on the summary memo.

Assumptions:

- Napa County will coordinate access to private property within the buffer area as necessary and will make landowner notifications prior to the surveys.
- No additional daytime follow-up surveys are included, as Kleinfelder will assume surveys are complete and the project area is occupied if a NSO is detected.
- Per diem and mileage at the standard federal 2026 GSA rate is included in this task.

Task 5.4: Aquatic Resource Delineation

Prior to a field investigation, a desktop review of the biogeography, elevation, vegetation, soils, and habitat on the site will be performed. During the field investigation, a Kleinfelder wetland specialist will delineate and map the extent of aquatic resources, which will include identification of wetland and non-wetland jurisdictional waters within the project boundary that examines vegetation, soils, and hydrology. Routine on-site delineation forms based on the applicable Regional Supplement will be completed for sample areas to determine jurisdictional and wetland boundaries. The preliminary jurisdictional delineation of these areas will be made based on the regulations of the following agencies:

- Waters of the U.S., including wetlands, under the jurisdiction of the Army Corps of Engineers (USACE) pursuant to Section 404 of the federal Clean Water Act.
- Wetlands under the jurisdiction of the Regional Water Quality Control Board (RWQCB) pursuant to Section 401 of the Clean Water Act and the Porter-Cologne Act.
- Wetlands under the jurisdiction of California Department of Fish and Wildlife (CDFW), pursuant to Section 1602 of the California Fish and Game Code.

The extent of any streams will be mapped to the Ordinary High Water Mark (OHWM) as defined by the USACE Regulatory Guidance Letter No. 05-05 Ordinary High Water Mark Identification. Wetlands will be mapped using routine onsite methods as outlined in the USACE Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2010). Other regulatory guidance documents will be used as necessary, and datasheets will be completed to document the

field verification. Mapping will be performed using a GPS unit capable of sub-meter accuracy. The field delineation is expected to require one field day.

Assumptions:

- Napa County will coordinate access to private property within the buffer area as necessary and will make landowner notifications prior to the surveys.
- Mileage at the standard 2026 Internal Revenue Service (IRS) rate is included in this task

Task 5.5: Environmental Permit Applications

Potential impacts Kortum Creek will be determined during the biological field assessment. Based on the extent of impacts to Kortum Creek that are likely to be associated with installation of hardscape on the creek bed or bank, we anticipate that the Project will require several permit applications including the following:

- Lake and Streambed Alteration Agreement from California Department of Fish and Wildlife (CDFW) pursuant to Section 1602 of the California Fish and Game Code
- Authorization from the Regional Water Quality Control Board (RWQCB) under Section 401 of the Clean Water Act
- Authorization from the Army Corps of Engineers (USACE) via a Nationwide Permit under Section 404 of the Clean Water Act
- Section 7 consultation by USACE with the United States Fish and Wildlife Service (USFWS)
- Section 7 consultation by USACE with the National Marine Fisheries Services (NMFS)

We assume that the Biological Assessment is sufficient for the consultation and that it will be completed before permit applications are required. Kleinfelder will prepare and submit applications for regulatory permits to the USACE, RWQCB, and CDFW, as necessary. Biological assessments of impacts to special status species will be supplied to USACE for Section 7 Consultation. Application requirements of each of the agencies differ, but there is a great deal of overlap such as providing a project description, discussion of avoidance and minimization measures, etc. To the extent feasible, processing with the agencies will be done concurrently; for example, if a site visit is required, Kleinfelder will attempt to coordinate a single meeting attended by all agencies rather than holding separate meetings for each agency. This task includes scheduling and providing a presentation for one interagency meeting, one round of review by the County, and one round of revisions after review by the agencies, as well as one field visit. Kleinfelder will provide responses to 30-day incomplete letters if required. Kleinfelder will continue to facilitate communications with the agencies until the permit is finalized.

Assumptions:

- Project will be constructed during 2027.
- A map depicting the assumed limits of ground disturbance with depth of ground disturbance per construction activity will be provided at notice to proceed.

- This proposal assumes no additional permits beyond those listed will be required for this work.
- Assumes that continued communications with agencies will not exceed 20 hours total.
- If additional permits are required, Kleinfelder will be happy to assist under a separate proposal.
- This proposal does not cover any surveys or additional construction support that may be required during the construction phase of this project. Kleinfelder would be happy to assist with any future construction support under a separate proposal.
- Assumes that a geomorphological survey of the creek is not required. If the agencies request a geomorphology study, Kleinfelder will be happy to assist under a separate proposal.

TASK 6: DESIGN

Task 6.1: Design Basis Memorandum

The ADKO (ADKO) Team will develop the Design Basis Memorandum which will investigate and discuss design and construction issues such as: any required temporary construction easement and right of entry, utility coordination.

Deliverables:

- Design Basis Memorandum (.dwg, .xcl, .doc and PDF as applicable)

Task 6.2: 65% PS&E Submittal

The ADKO team will prepare 65% plans, specifications, and estimates for roadway design, retaining wall, drainage improvements, grading, paving, temporary water pollution control, permanent erosion control and any permit requirement design elements. The ADKO Team will follow 2015 Caltrans and County specifications wherever possible. ADKO will be responsible for the retaining wall design plans, specifications, and estimate. This effort will include addressing all of the County's comments on the 35% PS&E package.

Deliverables:

- 65% Plans, Technical Specifications, and Estimates (.dwg, .xcl, .doc and PDF as applicable)

Task 6.3 95%: PS&E Submittal

The ADKO Team will refine the 65% PS&E and generate the 95% PS&E design by addressing all of the County's comments on the 65% PS&E package.

Deliverables:

- 95% Plans, Technical Specifications, and Estimate (.dwg, .xcl, .doc and PDF as applicable)

Task 6.4: Issued for Bid PS&E Submittal

The ADKO Team will work with the County to issue a bid set of the PS&E documents. It is

anticipated that the County will take the ADKO Team's technical specifications and combine with the County prepared front-end specifications to complete the bid package.

Deliverables:

- Issued for Bid Plans, Technical Specifications, and Estimate (.dwg, .xcl, .doc and PDF as applicable)

TASK 7: CONSTRUCTION SUPPORT

Task 7.1: Bid support

ADKO team will provide ongoing support to assist in responding to comments and inquiries, which includes the following tasks:

- Attend Pre-bid and Pre-construction Meetings
- Respond to Bid Inquiries

Task 7.2: Design Services during Construction

ADKO team as will provide the following services:

- Review Appropriate Construction Submittals
- Answer questions and address issues that may arise during construction (RFIs & CCOs)
- Perform close-out inspection and help County develop close-out punch list for Contractor
- Provide construction certification of completion

Deliverables:

- Approved submittals
- Respond to RFI
- Change order recommendations
- Construction close-out punch list and construction certification of completion (PDF)

Task 7.3: As-Built Design Plans

Following completion of construction, the County Construction Contractor will provide redline markups of the design plans. The ADKO team will incorporate the redlines into the CAD Files, clouding any changes made in construction, and submit them as final As-Built Plans.

Deliverables:

- Final As-Built Plans (DWG and PDF)

Task 7.4: Resident Engineer/Structures Representative

ADKO team will provide a resident engineer during construction. The resident engineer will prepare weekly resident engineer's report and work closely with the construction engineer and design team to ensure the project is constructed in compliance with the contract documents and schedule. The resident engineer will attend construction progress meetings and prepare meeting minutes and track RFI, submittals and change orders, etc.

Assumptions:

- This Project will be designed to Caltrans 2024 Standard Plans and Specifications.
- County will obtain Encroachment Permit to cover the ADKO Team.
- The County will provide the right-of-way width information.
- County staff will prepare the Board Letters, advertise to the Project to bidders, open bids, and coordinate with affected property owners/ stakeholders.

Compensation:

Consultant shall be compensated for a not-to-exceed fee of \$408,184.38 for the additional services above.

Consultant shall be compensated at the rates set forth in Exhibit B-1 for the additional services for a new amount not to exceed \$427,691.07.

EXHIBIT "B-1" **COMPENSATION AND FEE SCHEDULE**

ADKO Engineering Cost Proposal

ADKO Engineering, Inc.										CONSULTANTS					
		Majid Kanaan PM	Yim Yuan Structures Project Engineer	Lal Ahmadia Engineering Designer	Haron Design Engineer	INSPECTOR (ADKO)	CM	Total Hours (ADKO)	Total Not To Exceed Cost (ADKO)	(Miller Pacific)	(Schaff & Wheeler)	Total Not To Exceed Cost (Albion)	Total Not To Exceed Cost (McIntire/Gor)	(ADKO) (15%)	Total Not To Exceed Cost
BILLING RATES		\$256.02	\$269.85	\$209.83	\$187.46	\$187.48	\$192.40								
No.	Task Description														
1	TASK 1: PROJECT MANAGEMENT AND MEETINGS	64	0	0	0	0	0	64	\$ 16,355.28						\$ 16,355.28
	1.1 Project Management	17						17	\$ 4,093.32						\$ 4,093.32
	1.2 Project Meetings and Site Visit	45						45	\$ 12,259.20						\$ 12,248.55
2	TASK 2: PERFORM SURVEYS AND PREPARE BASE PLANS	8	0	0	0	0	0	8	\$ 2,049.16			\$ 10,700.00		\$ 1,605.00	\$ 14,353.16
	2.1 Field Surveys and Mapping	8						8	\$ 2,049.16			\$ 9,200.00		\$ 1,390.00	\$ 12,828.16
	2.2 Survey Verification Construction Phase	0						0	\$ -			\$ 1,500.00		\$ 225.00	\$ 1,725.00
3	TASK 3: GEOTECHNICAL	8	0	0	0	0	0	8	\$ 2,049.16	\$ 34,800.00	\$ -	\$ -		\$ 5,238.00	\$ 42,068.16
	3.1 Geotechnical Investigation Report with Recommendations	8						8	\$ 2,049.16	\$ 12,800.00				\$ 1,920.00	\$ 16,768.16
	3.2 Supplemental Consultation	0						0	\$ -	\$ 2,000.00				\$ 300.00	\$ 2,300.00
	3.3 Construction Observation and Testing	0						0	\$ -	\$ 20,000.00				\$ 3,000.00	\$ 23,000.00
4	TASK 4: HYDRAULIC/HYDROLOGY	0	0	0	0	0	0	0	\$ -	\$ -	\$ 8,650.00	\$ -		\$ 1,629.75	\$ 9,659.75
	4.1 Develop Flows	0						0	\$ -		\$ 950.00			\$ 142.50	\$ 1,425.00
	4.2 Size Main Channels	0						0	\$ -		\$ 2,355.00			\$ 428.25	\$ 428.25
	4.3 Size Culvert	0						0	\$ -		\$ 1,265.00			\$ 189.75	\$ 189.75
	4.4 Size Intake and Outlet	0						0	\$ -		\$ 1,755.00			\$ 269.25	\$ 269.25
	4.5 Tech Memo and Standard Details	8						8	\$ 2,049.16		\$ 1,755.00			\$ 269.25	\$ 2,317.41
5	TASK 5: ENVIRONMENTAL STUDIES	8	0	0	0	0	0	8	\$ 10,240.80	\$ -	\$ -	\$ -	\$ 87,575.00	\$ 13,136.25	\$ 110,952.05
	5.1 Cultural Resources Assessment and Letter Report	8						8	\$ 2,049.16				\$ 14,000.00	\$ 2,100.00	\$ 18,148.16
	5.2 Biological Resources Survey and Report	0						0	\$ -				\$ 14,000.00	\$ 2,100.00	\$ 18,148.16
	5.3 ISO Survey and Report	8						8	\$ 2,049.16				\$ 24,350.00	\$ 3,652.50	\$ 30,059.66
	5.4 Aquatic Resources Delineation Survey and Report	0						0	\$ -				\$ 11,500.00	\$ 1,725.00	\$ 13,225.00
	5.5 Environmental Permit Applications	8						8	\$ 2,049.16				\$ 23,725.00	\$ 3,558.75	\$ 29,331.91
6	TASK 6: DESIGN	68	232	384	232	0	0	916	\$ 187,707.20						\$ 187,707.20
	6.1 Design Basis Memorandum	4	8		8			20	\$ 4,135.52						\$ 4,130.56
	6.2 35% Plans and Estimate Submittal	15	50	100	80			245	\$ 50,258.72						\$ 50,226.72
	6.3 65% PS&E Submittal	15	50	100	80			245	\$ 50,258.72						\$ 50,226.72
	6.4 95% PS&E Submittal	15	40	100	40			210	\$ 44,604.36						\$ 44,654.32
	6.5 100% PS&E Submittal	15	24	24	24			87	\$ 18,429.88						\$ 18,428.68
7	TASK 7: CONSTRUCTION SUPPORT	21	20	21	28	0	0	90	\$ 27,828.76						\$ 27,828.76
	7.1 Bid Support	4	4	4	4			16	\$ 3,412.64						\$ 3,412.64
	7.2 Design Services During Construction	15	16	16	16			64	\$ 13,051.36						\$ 13,051.36
	7.3 As-Built Design Plans	1		1	8			10	\$ 1,654.56						\$ 1,654.56
	7.4 Resident Engineer/Structures Rep	0						0	\$ 8,000.00						\$ 8,000.00
TOTAL HOURS		177	232	405	280	0	0	1,094							
TOTAL COST		\$ 45,315.54	\$ 50,614.20	\$ 84,555.40	\$ 48,733.60	\$ -	\$ -		\$ 245,458.38	\$ 34,800.00	\$ 8,650.00	\$ 10,700.00	\$ 87,575.00	\$ 20,991.00	\$ 409,184.38