



February 22, 2013

Mr. Alex Tuttle
County of Santa Barbara
Planning and Development
123 East Anapamu Street
Santa Barbara, CA 93101-2058

Subject: Proposal to Prepare Extended Phase I Cultural Resources Investigation, Add New Alternative with Project-Level Analysis, Enhanced Coastal Processes Coordination, and Additional Visual Simulation in support of Goleta Beach County Park Managed Beach Retreat Project Environmental Impact Report

Dear Mr. Tuttle,

Thank you for the opportunity to submit this proposal for budget related to the expanded scope of the Goleta Beach County Park Managed Retreat Project 2.0 (Project) Environmental Impact Report (EIR). AMEC Environment & Infrastructure, Inc. (AMEC) has previously submitted a proposal to conduct an Extended Phase I cultural resources investigation, for which fieldwork has been completed and a report is currently under preparation. For the County's convenience, that proposal has been combined with this submittal to facilitate processing and review.

Other expanded scope items included in this proposal are (1) an additional photoillustration for the Administrative Draft EIR; (2) development and detailed analysis of an alternative to remove existing Parking Lots 1 and restore more natural movement of the Goleta Slough mouth, while retaining the existing revetment fronting the western half of the Park; (3) enhanced coordination with Dave Revell of ESA, who would remain under contract to the Parks Department.

The following tasks have been performed or would be performed by AMEC under this proposal:

Cultural Resources Investigation

To satisfy requirements under the California Environmental Quality Act (CEQA) and address concerns of Native American representatives, AMEC has teamed with Applied EarthWorks to conduct an Extended Phase I Cultural Resource Investigation for the project area, including limited subsurface testing in the identified areas of concern adjacent to State Route 217. AMEC completed a file search at the Central Coast Information Center (CCIC) and provided relevant information to members of County staff.

- Phase I Limited Subsurface Testing (Task 1) – AMEC provided project management and oversight for Applied EarthWorks in their field investigation.
- Cultural Resources Research and Reporting (Task 2) – AMEC completed a file search at the Central Coast Information Center (CCIC) and provided relevant information to members of County staff. AMEC will work with Applied EarthWorks to prepare an archaeological Extended Phase I report meeting California SHPO guidelines provided in

the state Archaeological Resource Management Reports addressing the findings and future management recommendations. Prior to submittal, the draft report will be reviewed by AMEC's Senior Project Manager to ensure it meets and exceeds QA/QC standards. This new information will then be incorporated into the Project Environmental Impact Report, expanding upon the previous scope for the EIR as described in AMEC's existing contract. This will involve effort by AMEC analyst in revising the EIR section to incorporate the new information, and by AMEC's Project Manager and Deputy Project Manager in reviewing and providing QA/QC for the incorporation of the new information.

Other EIR Tasks

- Prepare Additional Photoillustration (Task 3) – AMEC subconsultant Videoscapes developed an additional photoillustration for the Administrative Draft EIR, requiring additional AMEC management effort to develop and refine the graphic, and additional environmental analyst time to incorporate it into the Aesthetics section of the EIR.
- Development of Additional Alternative Description (Task 4) – Initial development of the Westward Retreat Alternative was completed by AMEC, largely without charge to the County. Follow up discussion and efforts have incurred additional charges. Effort expended to date has included preliminary development of alternative description and graphics. Substantial effort remains to refine the description to a near full project-level of detail for this alternative in coordination with Dave Revell of ESA, input from Coastal Commission, and County direction.
- Enhanced Level of Analysis for Replaced Alternative (Task 5) – The County has directed that this new alternative replace one of the alternatives already developed for the EIR. However, analysis of this new alternative would be more detailed and nearer in complexity to that of the Project-level analysis to allow consideration for approval in place of project, thus requiring substantially more effort. This enhanced alternative analysis will require additional graphics, analyst time, senior review, and QA/QC review. This alternative would require additional effort for preparation of draft EIR to respond to and incorporate County comments on ADEIR and incremental increases in printing costs. An unanticipated level of coordination with ESA will also be required. Given the nature of this alternative, additional effort for response to comments is also anticipated.
- Enhanced Review of Coastal Processes EIR Section (Task 6) – AMEC will provide the Coastal Processes section of the Administrative Draft EIR to Dave Revell of ESA for review, editing, and comments. AMEC expects that after revisions are made based on those comments, the revised document will be provided again to ESA for review and revision before it is readied for the Screencheck Draft EIR. Additional coordination on this key issue with ESA will be required throughout the process.

Cultural Resources Assumptions

- AMEC assumes that the results of research at the CCIC are sufficient, and that no additional documentation from the CCIC will be required.
- AMEC will follow guidelines provided in California Archaeological Resource Identification and Data Acquisition Program (Office of Historic Preservation 1988) and the

Archaeological Resources Management and Reporting Guidelines (Office of Historic Preservation 1990).

- AMEC assumes that the Extended Phase I Cultural Resources Technical Report will represent the required level of analysis for the project.
- All specific cultural resources information, including archaeological site/locality locations and descriptions, will be held in trust under AMEC's federal and/or state cultural resources use permit(s) or those of its subcontractors. Archaeological records released to AMEC or its subcontractors by federal and/or state agencies will not be disclosed or disseminated to any private individual or organization without prior written consent of the permittee.
- AMEC coordinated with the California Native American Heritage Commission (NAHC) in Sacramento to compile a list of appropriate Native American contacts for Santa Barbara County. If additional coordination is required (e.g., draft consultation letters), a modification to this proposal would be required.

Other Assumptions

- ESA review of the Administrative Draft Coastal Processes section will be limited to two rounds.
- County review of the Alternatives section would follow ESA's review and would be limited to one round before the Screencheck stage.
- County review of the revised Coastal Processes section would follow ESA's review and would occur at the Screencheck stage.
- Additional ESA review of comments and responses as well as changes to Coastal Processes section for the Administrative Final EIR will be limited to one round.

We hope that this proposal demonstrates AMEC understanding of this project and our commitment to meeting the County's objectives. Should you have additional questions or need clarification on the attached cost proposal, please feel free to contact Mr. Dan Gira in AMEC's Santa Barbara office at (805) 962-0992 x225. We look forward to continuing to work with you.

Respectfully submitted,



Aaron P. Goldschmidt
Vice President
Environmental Planning and Natural Resources Program

Proposal Due Date: ASAP
Date of Estimate:

8-Feb-12
Time and Materials, NTE

Client Name:	Task 1		Task 2		Task 3		Task 4		Task 5		Task 6		Project Total			
	County of Santa Barbara	Phase I Limited Subsurface Testing	Cultural Resources Research and Reporting	Additional Photoillustration	Development of Additional Alternative Description	Enhanced Level of Analysis for Replaced Alternative	Enhanced Review of EIR Coastal Processes Section	Totals	HRS	COST	HRS	COST	HRS	COST		
Project Name:	Goleta Beach 2.0 EIR - Cultural Modification, New Alternative and Increased Coordination															
Prepared By:	Michael Henry															
Prepared For:	County of Santa Barbara															
AMEC Direct Labor																
	(List categories or titles)	Labor Rate	HRS	COST	HRS	COST	HRS	COST	HRS	COST	HRS	COST	HRS	COST		
	Project Manager	\$ 155.00	4.0	\$ 620.00	4.0	\$ 620.00	1.0	\$ 155.00	18.0	\$ 2,790.00	8.0	\$ 1,240.00	53.0	\$ 8,215.00		
	Deputy Project Manager	\$ 110.00	4.0	\$ 440.00	6.0	\$ 660.00	2.0	\$ 220.00	20.0	\$ 2,200.00	12.0	\$ 1,320.00	68.0	\$ 7,480.00		
	Environmental Analyst	\$ 80.00	0.0	\$ -	24.0	\$ 1,920.00	1.0	\$ 80.00	8.0	\$ 640.00	0.0	\$ -	97.0	\$ 7,760.00		
	Project Administrator	\$ 90.00	3.0	\$ 270.00	2.0	\$ 180.00	1.0	\$ 90.00	1.0	\$ 90.00	0.0	\$ -	8.0	\$ 720.00		
	Administrative Assistance	\$ 65.00	0.0	\$ -	1.0	\$ 65.00	0.5	\$ 32.50	1.0	\$ 65.00	0.0	\$ -	3.5	\$ 227.50		
Total Direct Labor			11.0	\$ 1,330.00	37.0	\$ 3,445.00	5.5	\$ 577.50	48.0	\$ 5,785.00	108.0	\$ 10,705.00	20.0	\$ 2,560.00	228.5	\$ 24,402.50
AMEC ODCs																
	Applied EarthWorks (see detail sheet)															
	Coastal Environments															
	Videoscapes															
	Deirdre Stittes	\$ 68.00														
	Reproduction and Correspondence															
	Subtotal															
	10% Markup															
Total ODCs incl markup																
	Administrative Cost - Misc phone, fax, etc. 2% of labor															
Grand Total																



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VIA ELECTRONIC MAIL

23 October 2012

Michael Henry, PhD
Project Manager/Biologist
AMEC
Environment & Infrastructure
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Tel (805)962-0992 x 237
michael.henry@amec.com

RE: Second Revised Scope of Work and Cost Proposal, Extended Phase 1 Archaeological Study
Goleta Beach County Park Managed Beach Retreat Project

Dear Dr. Henry:

Applied EarthWorks, Inc. submits herewith our second revised proposal to complete an Extended Phase 1 archaeological study at CA-SBA-1158 in support of the Goleta Beach County Park Managed Beach Retreat Project (the Project). Our initial proposal was based on information that AMEC provided to Barry Price in an electronic mail dated 27 September 2012 and on a telephone conversation with Joyce Gerber at Santa Barbara County, on 1 October 2012. That proposal was revised based on a telephone conversation with Joyce Gerber, on 9 October 2012, over concerns that excavations at CA-SBA-1158 did not sample deep enough and that no work was proposed at CA-SBA-1695. Our second revised proposal comes after analysis of the archaeological literature and project plans revealed unanticipated conditions. Specifically, it was determined that the archaeological study would require work in the State Highway 217 right-of-way (ROW) and thus would require an encroachment permit (which in turn requires compliance with Caltrans regulations); that collection of archaeological materials in anticipation of a potential Phase 2 study would be appropriate; and that Extended Phase 1 excavations would likely be in clayey rather than sandy soils.

AMEC previously completed background research at the Central Coast Information Center (CCIC). As described in our previous proposals, part of Applied EarthWorks' current scope of work is to review the collected literature. Two archaeological sites are within the Project area: CA-SBA-1158 and -1695. Our review revealed that CA-SBA-1695 had previously been tested and determined to be contained in imported fill. Consequently, no further work is necessary at CA-SBA-1695.

Review of the archaeological literature also revealed that CA-SBA-1158 as originally recorded is in the vicinity of Parking Lot 7. Two archaeological studies were completed when the parking lot was constructed. The initial study suggested that part of the site was redeposited but that other parts were intact. A subsequent, more comprehensive study indicates that the site at the parking lot is entirely redeposited.

However, a study by Applied EarthWorks in 2000 found archaeological materials north of the parking lot, within what is now proposed as the Project's transportation and utility corridor. This area has not previously been studied beyond surface examination—which was hampered by surface vegetation—and thus it is unknown whether the observed materials represent an intact site deposit. Consequently, the proposed scope of work is for an Extended Phase 1 excavation to determine whether the site deposit is intact and whether a Phase 2 study is necessary.



Applied EarthWorks identifies four tasks to successfully complete the Extended Phase 1 study: prefield preparation, fieldwork, document preparation, and coordination. Each of these tasks is discussed below. Our estimated labor allocations by task are presented in Table 1; our estimated cost is detailed in Table 2. As before, Applied EarthWorks names Clayton Lebow, M.A., RPA, as project manager and principal investigator.

Prefield Preparation. Several tasks are necessary prior to fieldwork, including reviewing the existing literature; preparing a proposal for Caltrans review; coordinating with Native Americans per Caltrans requirements; arranging for a utility location service; and mobilizing. The most substantial of these tasks is preparing a proposal for Caltrans that must meet very specific guidelines, and must describe the proposed work. Fieldwork cannot begin until Caltrans has approved the proposal. Caltrans also requires coordination with Native Americans, which typically starts with contacting the Native American Heritage Commission (NAHC). However, the NAHC already commented on the Notice of Preparation (NOP) and in doing so searched their Sacred Lands List and provided a list of local Native American contacts. Applied EarthWorks will prepare and send letters to each local Native American contact, describing not only the Project but also the associated archaeological study. Comments and concerns will be solicited. Phone calls will follow the letters to ensure that those individuals that want to comment have the opportunity to do so. At least 48 hours prior to beginning fieldwork, Applied EarthWorks will arrange to have buried utilities located. That effort will include marking the limits of the work area on the edge of Highway 217. We assume that Applied EarthWorks will not be responsible for procuring a Caltrans encroachment permit.

Fieldwork. To determine whether CA-SBA-1158 is present within the transportation/utility corridor, and if so whether it is intact, Applied EarthWorks will excavate a series of shovel test pits and auger borings to sample the area(s) of direct impacts. Shovel test pits and occasional auger borings will be used to examine integrity and to determine whether archaeological materials, if present, are associated with intact sediments. Each shovel test pit will be 50 centimeters in diameter and excavated in 20 centimeter levels to a maximum depth of 100 centimeters below the surface. If no archaeological materials are recovered in any given unit, excavations will stop at 50 centimeters below the surface. Because Project effects along the utility corridor will be as much as 3.6 meters (12 feet) deep, we will manually bore an auger in the bottom of selected shovel test pits to sample deeper sediments. Auger excavation is not expected to exceed 3.6 meters. All excavated sediments will be dry screened through 1/8-inch mesh. Because this effort might transition into a Phase 2 study, any observed archaeological materials will be collected. Excavations will be documented on Applied EarthWorks' standard shovel test pit form. Each unit will be backfilled upon completion. We do not anticipate that a geoarchaeologist will be necessary to assess integrity.

To sample in the vicinity of CA-SBA-1158, we anticipate a single line of shovel test pits spaced 15 meters apart. These will be placed in a single line, beginning at the southwestern end of the transportation/utility corridor and continuing northeast for about 160 meters (525 feet). They will be limited to the higher elevations; we do not intend to excavate in the flat, low-lying part of the corridor because it appears to be the ancestral slough and thus would have been unsuitable for occupation. We anticipate excavation of no more than 12 shovel test pits. We further anticipate auger borings in the bottoms of three of the shovel test pits to look for deeply buried site deposits. The location of each unit will be recorded with a global positioning system (GPS) receiver with submeter accuracy.

Numerous factors affect excavation rates, including the type of soil, soil moisture, the types and densities of cultural remains, and the types and densities of non-cultural constituents such as rocks and roots. Most of those factors are unknown. Previous studies suggest that the soil is clayey, which will be both difficult to excavate and to screen. To develop our cost estimate, we assume that the soil will be clayey; that it will be dry, with no rocks or roots; and that few archaeological materials will be present. Based on those assumptions, our estimated rate of excavation is one shovel test pits per person-day and one auger borings per person-day, including travel from our Lompoc office. If the soil is clayey and too wet it may not pass through the screen. If that is the case, it would be necessary to water screen the excavated sediments. However, we have not allocated funds to water screen the excavated sediments.



At our estimated excavation rate, 12 shovel test pits and three auger borings will require 15 person days. With a crew comprised of a field supervisor and three field technicians we anticipate that fieldwork can be completed in 3.8 days. Our principal investigator will make no more than two trips to the field to examine shovel test pits and to assess integrity. During fieldwork, it may be necessary to use non-local field technicians. Consequently, we have allocated per diem for the field technicians. If local technicians are available the per diem will not be necessary and we will not bill for per diem that is not provided. We have allocated funds for a Native American monitor (Gilbert Unzueta or his designee) for the duration of fieldwork.

As noted, Applied EarthWorks will collect archaeological materials in case a Phase 2 study is needed. Most likely, a Phase 2 study will be required if archaeological materials are recovered from an in-situ site deposit. If so, the collected materials will be sorted and analyzed during the Phase 2 study. However, if archaeological materials are only recovered from imported fill or from thoroughly mixed sediments, a Phase 2 study will likely not be necessary and collected materials will either be returned to the shovel test pits or will be discarded. We have not allocated labor to process or curate any recovered archaeological materials.

Document Preparation. Following completion of fieldwork, Applied EarthWorks will prepare an Extended Phase 1 report for review by Caltrans. Following receipt of Caltrans comments, we will also prepare a required Historical Resources Compliance Report (HRCR). Both documents will follow Caltrans guidelines for format and content. To develop our cost estimate, we assume that Caltrans will not require a new or separate archaeological survey report but that instead we will be able to append Applied EarthWorks' survey report from 2000 to the HRCR. We further assume that the County will not comment on the draft report, in addition to the Caltrans comments.

Coordination. Successful completion of this task will require coordination with AMEC, the County, and Caltrans. We have allocated 10 hours for our principal investigator to coordinate with these entities.

Our estimated labor allocations by task are included in Table 1 and our estimated cost is detailed in Table 2. We look forward to continuing our relationship with AMEC, and to helping the County with their project. We expect that our contract with AMEC will be on a time and materials (plus fee) basis. We will invoice monthly and upon completion of the work, and expect payment within 30 days of receipt of the invoice. Our cost proposal is valid for 90 days. If you find our proposal scope of work and cost acceptable, please sign below and return this document.

Sincerely,

Clayton G. Lebow, M.A., RPA
Vice President/Principal Archaeologist

Cost proposal accepted by:

Authorized signatory for AMEC

(Print Name)

(Billing Address)

(Telephone)

(Email Address)

cc: B. Price



Table 1: Estimated Labor Allocations (Person Hours) by Task

Employee	Prefield				Total (hrs)
	Prep	Field	Report	Coordination	
Project Manager (PMAN-003)	28	12	16	8	64
Staff Archaeologist (SARC-027)	14	36	48		98
Publication Manager (PMAN-061)	4		12		16
GIS Specialist (GISS-024)	2		6		8
Field/Lab Technician (FTEC-038)	2	90			92
Draftsperson (DRAF-064)	1		4		5
Word Processor (WPDE-055)			4		4
Administrative Support (AASS-073)		1	1		2
TOTAL	51	139	91	8	289

Table 2: Estimated Cost

Labor Category	Hrs	Rate Code	Rate	Cost
Project Manager (CGL)	64	003	154.90	\$9,914
Staff Archaeologist (LH)	98	027	70.40	\$6,899
Production Manager (SR)	16	059	81.20	\$1,299
GIS Specialist (MM)	8	024	77.80	\$622
Field Technician	92	038	49.20	\$4,526
Draftsperson (LM)	5	064	60.00	\$300
Word Processing/Data Entry (CB)	4	055	62.60	\$250
Administrative Support (CM)	2	073	33.70	\$67
Total Hours/\$	289			\$23,879
Equipment/Supplies				
Field Equipment and Supplies				\$25
Vehicle Rental (1 vehicle, 5 days)				\$375
Fuel for Rental Vehicle				\$150
Travel/Transportation				
	Units		@	
Mileage (personal vehicles)	100		\$0.550	\$55
Per Diem (person days)	10		\$150.00	\$1,500
Outside Services				
Native American Monitor (hours)	32		\$50	\$1,600
Other Direct Costs				
Postage/Duplication				\$250
Office Communication/Supplies				\$150
TOTAL LABOR and BENEFITS				\$23,879
TOTAL EQUIPMENT/SUPPLIES				\$550
TOTAL TRAVEL/TRANSPORTATION				\$1,555
TOTAL OUTSIDE SERVICES				\$1,600
TOTAL ODCs				\$400
FEE on non-labor: 10%				\$411
TOTAL				\$28,394