

Contract Number : BC 07-105-

- D1. Fiscal Year : FY 2006/07 -2009/10
- D2. Budget Unit Number (*plus -Ship/-Bill codes in paren's*) : 054
- D3. Requisition Number..... : 5
- D4. Department Name..... : Flood Control
- D5. Contact Person..... : Maureen Spencer
- D6. Phone..... : 568-3437

- K1. Contract Type (*check one*): [] Personal Service [] Capital Project/Construction
- K2. Brief Summary of Contract Description/Purpose : environmental document for project
- K3. Original Contract Amount..... : \$216,078
- K4. Contract Begin Date : February 13, 2007
- K5. Original Contract End Date..... : Dec. 31, 2009
- K6. Amendment History (*leave blank if no prior amendments*):

<u>Seq#</u>	<u>EffectiveDate</u>	<u>ThisAmndtAmt</u>	<u>CumAmndtToDate</u>	<u>NewTotalAmt</u>	<u>NewEndDate</u>	<u>Purpose (2-4 words)</u>
1	\$	\$123,392	\$339,470		12/31/2010	increase contract scope

- K7. Department Project Number..... : SC8322

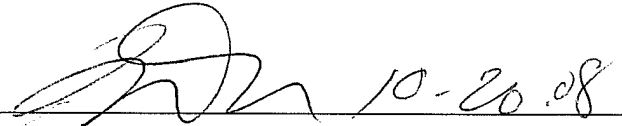
- B1. Is this a Board Contract? (*Yes/No*) : yes
- B2. Number of Workers Displaced (*if any*) : N/A
- B3. Number of Competitive Bids (*if any*)..... : N/A
- B4. Lowest Bid Amount (*if bid*)..... : \$
- B5. If Board waived bids, show Agenda Date..... :
- B6. ... and Agenda Item Number..... : #
- B7. Boilerplate Contract Text Unaffected? (*Yes / or cite ¶¶*) :

- F1. Encumbrance Transaction Code..... : 1701
- F2. Current Year Encumbrance Amount..... : \$
- F3. Fund Number : 2610
- F4. Department Number : 054
- F5. Division Number (*if applicable*)..... : 04-05
- F6. Account Number : 8700
- F7. Cost Center number (*if applicable*) :
- F8. Payment Terms : Net 30

- V1. Vendor Numbers (*A=uditor; P=urchasing*) : A-243526
- V2. Payee/Contractor Name : Dudek
- V3. Mailing Address..... : 605 Third Street
- V4. City State (*two-letter*) Zip (*include +4 if known*) : Encinitas, CA 92024
- V5. Telephone Number : (805) 963-0651
- V6. Contractor's Federal Tax ID Number (*EIN or SSN*) :
- V7. Contact Person :
- V8. Workers Comp Insurance Expiration Date :
- V9. Liability Insurance Expiration Date[s] (*G=enl; P=rofl*) :
- V10. Professional License Number..... : #
- V11. Verified by (*name of County staff*)..... :
- V12. Company Type (*Check one*): [] Individual [] Sole Proprietorship [] Partnership [] Corporation

I certify: information complete and accurate; designated funds available; required concurrences evidenced on signature page.

Date : Authorized Signature

 10-20-08

**Amendment No. 1 to the Agreement for Environmental Services with Dudek
(BC No. 07-105)**

The agreement between the Santa Barbara County Flood Control & Water Conservation District (County) and Dudek (Contractor) which was entered into on February 13, 2007 (Board Contract No. 07-105), is hereby modified and amended as follows:

1. Paragraph 4 of the Agreement is hereby amended to read:

TERM. CONTRACTOR shall commence performance on February 13, 2007 and end performance upon completion, but not later than December 31, 2010 unless otherwise directed by COUNTY or unless earlier terminated.

2. Exhibit A, Statement of Work is hereby amended to include:

Work as described in the attached Statement of Work from Dudek now labeled Exhibit A, Pages 24 through 31.

3. Exhibit B, paragraph A is hereby amended to read:

A. For CONTRACTOR services to be rendered under this contract, CONTRACTOR shall be paid a total contract amount, including reimbursements, not to exceed \$339,470.

All other terms and conditions of the agreement will remain in full force and effect. This amendment is effective on _____, 2008.

ATTEST:
MICHAEL F. BROWN
CLERK OF THE BOARD

By: _____
Deputy

APPROVED AS TO FORM:
DENNIS MARSHALL
COUNTY COUNSEL

By: 
Deputy County Counsel

SANTA BARBARA COUNTY FLOOD
CONTROL & WATER
CONSERVATION DISTRICT

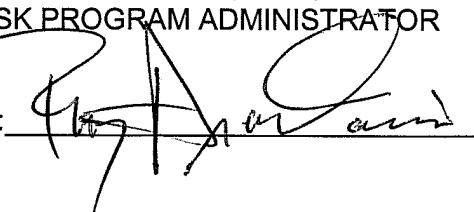
By: _____
Supervisor Salud Carbajal
Chair, Board of Directors

APPROVED AS TO FORM:
ROBERT W. GEIS
AUDITOR-CONTROLLER

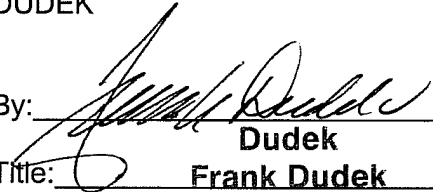
By: 
Deputy

Date: _____

APPROVED AS TO INSURANCE:
RAY AROMATORIO, ARM, AIC
RISK PROGRAM ADMINISTRATOR

By: 

CONTRACTOR:
DUDEK

By: 
Dudek
Title: Frank Dudek
President

DEPT: 054, FUND: 2610, ACCT: 8700
PROGRAM: 3003

DUDEK

621 CHAPALA STREET
SANTA BARBARA, CALIFORNIA 93101
T 805.963.0651 F 805.963.2074

**EXHIBIT A
STATEMENT OF WORK**

October 3, 2008

Ms. Maureen Spencer
Flood Control District
Santa Barbara County
123 E. Anapamu Street
Santa Barbara, CA 93101

RE: *Proposal for Phase II Testing
Las Vegas – San Pedro Creeks Capacity Improvements Project*

Dear Ms. Spencer:

The following is a time-and-materials, not-to-exceed cost proposal to provide Phase II Testing for the Las Vegas–San Pedro Creeks Capacity Improvements Project. It is based on the “Proposal for Extended Phase I/Phase II Testing at Sites CA-SBA-60 and CA-SBA-1703 for the Las Vegas-San Pedro Creeks Capacity Improvements Project, City of Goleta, City of Santa Barbara, Santa Barbara County, California” prepared by Dudek for County Flood Control, and approved by the California Department of Transportation. The proposal also addresses additional efforts required to complete the Extended Phase I and Phase II Proposal, and undertake Native American consultation, as directed by Caltrans staff.

Task 1. Supplemental Efforts Associated with Preparing the Extended Phase I – Phase II Testing Proposal, and Native American Consultation

The Dudek Proposal of April 24, 2008 included preparation of an Extended Phase I – Phase II Testing Proposal for Caltrans review and approval. The total effort for this task was \$2,820, representing a relatively low intensity effort to address the Caltrans Standard Environmental Reference guidelines. The proposal did not identify any particular level of effort associated with Native American consultation.

This level of effort was exceeded in several ways. Revisions to the initial Caltrans comments required substantial reorganization and inclusion of new detail to conform to a combined Extended Phase I – Phase II Proposal format that had not been available prior to preparation of the initial Proposal format. Native American consultation required conducting two site visits with Chumash representatives and Flood Control District staff, numerous telephone calls, and preparation of approximately 20 copies of the Draft, Revised Draft, and Final Proposal versions.

Task 2: Phase II Testing Excavations

As indicated in the Extended Phase I/Phase II Testing Proposal we assume that up to eight locations containing prehistoric cultural materials will be subjected to Phase II excavations. Eight 1.0 x 0.5 meter (3.3 x 1.6 foot) Test Excavation Units (TEUs) will be hand-excavated in arbitrary 10-centimeter (4-inch) levels, to a maximum depth of 50 centimeters (20 inches). The recovered soil will be water-screened through 1/8-inch mesh. Results of TEU excavations will be documented on standard forms which include provenience information, sediment description, termination depth, and general observations. A Chumash Native American will be retained to observe all excavations.

A 25 x 25 centimeter (10 x 10 inch) column sample will be hand-excavated in arbitrary 10-centimeter (4-inch) levels from four of the TEUs (or one-half of all excavated TEUs). The column sample will be water-screened through 1/16-inch mesh to determine the presence of small artifacts (i.e., small shell beads) and small faunal remains (i.e., small fish bones).

In addition, a 10 x 10 centimeter (4 x 4 inch) bulk soil column sample will also be excavated from four of the TEUs (or one-half of all excavated TEUs). The bulk soil column sample will be submitted for flotation analysis to determine the presence of macrobotanical remains (i.e., seeds).

With two crews working simultaneously, the excavation will require a total of 4 days. We also assume an additional two days for drawing stratigraphic profiles and mapping.

Task 3: Phase II Laboratory Analysis and Curation

Recovered cultural materials will be transported to the Dudek archaeology lab for analysis and sorted to general classifications (i.e., chipped stone debris, shellfish, etc.). Cultural materials will be counted (as appropriate), weighed, catalogued, and shipped for specialized analyses.

Flaked Stone Tools and Debitage

Flaked stone tools and debitage were recovered in much lower densities than faunal remains during previous excavations at CA-SBA-60. Therefore we expect to analyze all of flake stone tools and debitage recovered during the Phase II Testing Excavations. Analysis of flaked stone tool and debitage will be conducted by Susan Harris, Ph.D.

Shell Artifacts

Based on previous excavations at CA-SBA-60 we assume shell artifacts will consist of a variety of beads and possibly fish hooks. Analysis of these artifacts will be conducted by Robert Gibson.

Bone Artifacts

Formalized bone tools recovered during previous excavations at CA-SBA-60 include awls, fish hooks, and bipoints related to fishing. Any bone artifacts recovered will be analyzed by Tom Wake, Ph.D. (Cotsen Institute of Archaeology, University of California, Los Angeles).

Obsidian Source Determination and Hydration Studies

If obsidian is recovered during the Phase II Testing Excavations, samples will be submitted to Northwest Research Obsidian Studies Laboratory for analysis. It is important to note that obsidian was not recovered during the most recent Phase III Data Recovery excavations (Applied Earthworks 2006).

Radiocarbon Studies

Up to 24 samples (between two and three samples from each TEU) will be submitted to Beta Analytic Inc. for radiocarbon analysis. We assume the high density midden deposit will yield samples large enough for standard radiometric dating.

Faunal Analysis – Mammal and Bird Bone

Based on previous excavations at CA-SBA-60, it is assumed that mammal and bird bone densities will be high. Dudek expects to sample the high density deposit and analyze a percentage of all the mammal and bird bone recovered during the Phase II Testing Excavations. Mammal and bird bone will be analyzed by Tom Wake, Ph.D. (Cotsen Institute of Archaeology, University of California, Los Angeles).

Faunal Analysis – Fish Bone

It is assumed that fish bone densities will also be high. Dudek expects to sample the high density deposit and analyze a percentage of all the fish bone recovered at CA-SBA-60. Fish bone will be analyzed by Kenneth Gobalet, Ph.D. (California State University, Bakersfield).

Faunal Analysis – Shellfish

Based on previous excavations at CA-SBA-60, it is assumed that shellfish densities will be high. Dudek expects to sample the high density deposit and analyze a percentage of all the shellfish recovered. Shellfish will be analyzed by Tom Wake, Ph.D. (Cotsen Institute of Archaeology, University of California, Los Angeles).

Macrobotanical Remains

Paleoresearch Institute will analyze macrobotanical remains (i.e., seeds) from two bulk soil column samples.

Curation

All artifacts collected during the Phase II testing program will be curated at the Repository for Archaeological and Ethnographic Collections (University of California, Santa Barbara).

Task 4: Draft Extended Phase I - Phase II Testing Report

Preparation of the draft testing report will begin during laboratory analysis and will be completed within 2.5 months from the completion of field excavations.

Task 5: Final Extended Phase I - Phase II Testing Report

The final testing report will incorporate comments from CalTrans and Chumash Native Americans. Dudek archaeologists will attend one meeting of up to 4 hours length with Caltrans staff, Chumash individuals, and Flood Control District staff.

ASSUMPTIONS

- 1) Dudek is not responsible for project delays caused by weather, the discovery of human remains, or other events or actions that are beyond the control of Dudek.
- 2) Dudek will retain a Chumash Native American observer during all excavations.
- 3) If human remains are encountered during excavations, disposition will be determined by the Chumash Most Likely Descendant. No photographs will be taken of any human remains.
- 4) Only one revision cycle of the Draft Phase II Report is proposed.
- 5) The Flood Control District will provide a backhoe operator to remove the steel plates covering previously occupied backhoe trenches, a source of water for water screening onsite; and culturally sterile, chemically inert soils such as sands for placement within the completed Phase 2 test excavation units.

BUDGET

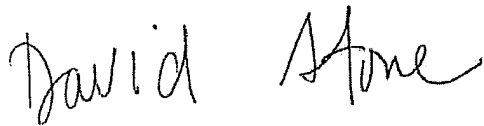
The proposed Phase II Archaeological Test Excavations budget for these activities is \$123,392, and is presented in Table 1 below. The time and materials, not to exceed fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the proposed fee or outside of the proposed scope of work will be performed without written authorization.

Ms. Maureen Spencer
October 3, 2008
Page 5 of 7

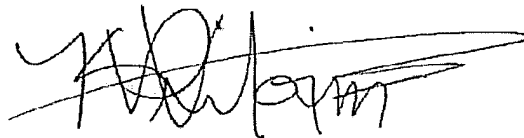
If this letter proposal is acceptable to you, please sign below and return a copy of this letter at your earliest convenience.

If you have any questions regarding this proposal or require additional information, please do not hesitate to give us a call at (805) 963-0651.

Sincerely yours,



David Stone, RPA
Cultural Resources Manager



Ken Victorino, RPA
Senior Archaeologist

cc: Gerald Comati, Com3 Consulting
Jonathan Leech, Dudek & Associates, Inc.
Shuti Ramaker, Aspen Environmental Consulting

Table 1: Phase II Test Excavations Budget

1. Proposal Preparation; NA Consultation	Hours	Rate	Total
Principal Archaeologist	75	\$170	\$12,750
Senior Archaeologist	15	\$110	\$1,650
Administrative Assistant	10	\$70	\$700
Copies (pages)	8000	\$0.10	\$800
Fed-Ex	16	\$9.20	\$147
Regular Mail	8	\$5	\$40
2. Field Excavations	Hours	Rate	Total
Principal Archaeologist	8	\$170	\$1,360
Senior Archaeologist	56	\$110	\$6,160
Archaeological Technician	160	\$45	\$7,200
Native American Observer	48	\$65	\$3,120
Supplies	3	\$100	\$300
Mileage	120	\$0.585	\$70
3. Laboratory Analysis	Hours	Rate	Total
Principal Archaeologist	8	\$170	\$1,360
Senior Archaeologist	40	\$110	\$4,400
Archaeological Technician (Lithics)	112	\$45	\$5,040
Archaeological Technician (Illustration)	10	\$45	\$450
Archaeological Technician	114	\$45	\$5,130
Administrative Assistant	4	\$70	\$280
Supplies	6	\$100	\$600
Radiocarbon Analysis	24	\$299	\$7,176
<i>Beta Analytic</i>			
Obsidian Analysis	8	\$60	\$480
<i>Northwest Obsidian Research</i>			
Shell Bead Analysis			\$3,450
<i>Robert Gibson Consulting</i>			
Vertebrate and Invertebrate Analysis			\$17,250
<i>UCLA Costen Institute</i>			
Fish Bone Analysis			\$5,750
<i>Ken Gobulet, CSU Bakersfield</i>			
Macrobotanical Analysis	20	\$403	\$8,060
<i>Paleoreserach Institute</i>			

Curation	50	\$84	\$4,200
<i>University of California, Santa Barbara</i>			
Analysis Samples Shipping (Fed Ex)			\$200

4. Report Preparation	Hours	Rate	Total
Principal Archaeologist	24	\$170	\$4,080
Senior Archaeologist	54	\$110	\$5,940
Archaeological Technician	8	\$45	\$360
Administrative Assistant	16	\$70	\$1,120
Graphics	24	\$120	\$2,880
Copies (pages)	10000	\$0.10	\$1,000
Color Copies	250	\$0.75	\$188
Binding	25	\$1.25	\$31
Fed-Ex	25	\$9.20	\$230
Regular Mail	8	\$5	\$40

5. Report Revisions	Hours	Rate	Total
Principal Archaeologist	24	\$170	\$4,080
Senior Archaeologist	32	\$110	\$3,520
Administrative Assistant	12	\$70	\$840
Graphics	8	\$120	\$960
Copies (pages)	14000	\$0.10	\$1,400
Color Copies	350	\$0.75	\$263
Binding	35	\$1.25	\$44
Fed-Ex	25	\$9.20	\$230
Regular Mail	31	\$5	\$155

TOTAL ESTIMATE			\$123,392
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DUDEK 0 200 Feet