

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

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SANTA BARBARA • SANTA CRUZ

OFFICE OF DESIGN & CONSTRUCTION SERVICES and PHYSICAL FACILITIES

CONTRACTING SERVICES
Building 439
Santa Barbara, California 93106-1030
Telephone (805) 893-3356
Fax (805) 893-8592

SENT VIA: FAX ON THIS DATE
 HAND DELIVERY ON THIS DATE
 FEDERAL EXPRESS ON THIS DATE
 UNITED PARCEL SERVICE ON THIS DATE

HOLDERS OF PLANS AND SPECIFICATIONS:

Sedgwick Reserve Barn Restoration
Project No. FM090165S/130-10

Addendum No. One

June 29, 2009

Enclosed is **ADDENDUM NO. One** to the Construction Documents on the above-captioned project.

Bid date is **Tuesday, July 14, 2009 at 2:30PM** to be held at:

CONTRACTING SERVICES
Facilities Management, Bldg. 439,
Door #E, Reception Counter
University of California, Santa Barbara
Santa Barbara, CA 93106-1030.

Late arrivals shall be disqualified. Please allow time for unforeseen traffic delays, securing a parking permit and potential parking problems.

A handwritten signature in black ink, appearing to read "Anna Galanis".

Anna Galanis
Director, Contracting Services

ADDENDUM NUMBER ONE

to the

Construction Documents

June 29, 2009

GENERAL

The following changes, additions or deletions shall be made to the following document(s) as Indicated; all other conditions shall remain the same.

I. INFORMATION AVAILABLE TO BIDDERS

Item No.

1. Number 5, Reports: **ADD** report "All About Hantaviruses", prepared by CDC, attached.

II. BID FORM

Item No.

1. Bid Form, **REPLACE** in it's entirety with Attached REVISED BID FORM, Revised per Addendum One. Any bids not submitted on REVISED BID FORM, Revised per Addendum One, will be rejected.

III SPECIFICATIONS

Item No.

1. Section 01010, Summary of Work, Part 1, General, 1.1, Work Required by Contract Documents, "A", "2" Phase II, **CHANGE** to read in it's entirety:

- a) Remove existing upper roofing and replace with new metal Standing-seam roofing over diagonal sheathing.
- b) Repair damaged upper roof rafters and rafter tails. Repair damaged siding as a result of repairing roof."

Item No.

2. Section 01010, Summary of Work, Part 1, General, 1.1, Work Required by Contract Documents, "A", **ADD** to read in it's entirety:

"2.1. Phase IIA (Bid Alternate No. 3)

- a) Remove existing lower roofing and replace with new metal standing-seam roofing over diagonal sheathing.
- b) Repair damaged lower roof rafters and rafter tails. Repair damaged siding as a result of repairing roof.."

Item No.

3. Section 01014, Contractor's Use Of The Project Site, Part 1, General, 1.1, Restrictions, "A" **ADD "6"** to read in it's entirety:

"6. Due to extreme fire danger, smoking will not be permitted on the Reserve at any time unless specifically permitted in writing by the University Representative."

Item No.

4. Section 01100, Alternates, Part 2, Description of Alternates, **ADD 2.3, Bid Alternate No. 3** to read as follows:

Phase IIA – Remove existing lower roofing and replace with new metal standing-seam roofing over diagonal sheathing. Repair damaged lower roofing rafters and rafter tails. Repair damaged siding as a result of

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

repairing roof.

Specifications: Division 6-Woods and Plastics
Section 06110 Framing and Sheathing

Drawings: T1.0, S0.1, S0.3, S2.1, S3.1, S3.2, S3.3, S3.4, S4.1, S4.2

1. If this Alternate is accepted, the Contract Time will be extended by twenty-eight (28) days.
2. University reserves the right to accept this Alternate within thirty (30) days after the date of the Agreement.

Item No.

5. Section 01500, Construction Facilities and Temporary Controls, **REPLACE** in its entirety with Attached "Section 01500, Revised Construction Facilities and Temporary Controls, Revised per Addendum One.

IV DRAWINGS

Item No.

1. SHEET T1.0, TITLE SHEET. **Replace** in its entirety with attached drawing SHEET T1.0 – TITLE SHEET, dated 6/25/09.

Item No.

2. SHEET S0.1, STRUCTURAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS. **Replace** in its entirety with attached drawings SHEET S0.1 – STRUCTURAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS, dated 6/25/09.

Item No.

3. SHEET S0.3, TYPICAL DETAILS. **Replace** in its entirety with attached drawing SHEET S0.3 – TYPICAL DETAILS, dated 6/25/09.

Item No.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

4. SHEET S2.1, ROOF FRAMING PLAN. **Replace** in its entirety with attached drawing SHEET S2.1 – ROOF FRAMING PLAN, dated 6/25/09.

Item No.

5. SHEET S3.1, STRUCTURAL SECTION. **Replace** in its entirety with attached drawing SHEET S3.1 – STRUCTURAL SECTION, dated 6/25/09.

Item No.

6. SHEET S3.2, STRUCTURAL WALL ELEVATION. **Replace** in its entirety with attached drawing SHEET S3.2 – STRUCTURAL WALL ELEVATION, dated 6/25/09.

Item No.

7. SHEET S3.3, STRUCTURAL WALL ELEVATION. **Replace** in its entirety with attached drawing SHEET S3.3 – STRUCTURAL WALL ELEVATION, dated 6/25/09.

Item No.

8. SHEET S3.4, STRUCTURAL WALL ELEVATION. **Replace** in its entirety with attached drawing SHEET S3.4 – STRUCTURAL WALL ELEVATION, dated 6/25/09.

Item No.

9. SHEET S4.1, STRUCTURAL DETAILS. **Replace** in its entirety with attached drawing SHEET S4.1 – STRUCTURAL DETAILS, dated 6/25/09.

Item No.

10. SHEET S4.2, STRUCTURAL DETAILS. **Replace** in its entirety with attached drawing SHEET S4.2 – STRUCTURAL DETAILS, dated 6/25/09.

END OF ADDENDUM NO. ONE



SAFER • HEALTHIER • PEOPLE

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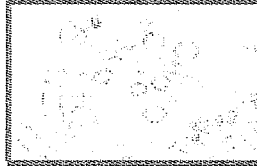
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National Center for Infectious Diseases
Special Pathogens Branch

All About Hantaviruses

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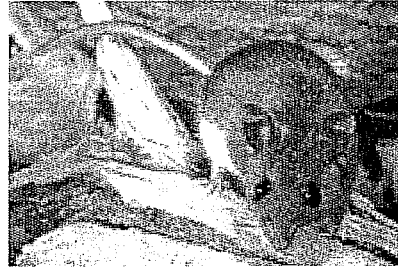
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Hantavirus Pulmonary Syndrome (HPS)

Hantavirus pulmonary syndrome (HPS) is a deadly disease from rodents. Humans can contract the disease when they come into contact with infected rodents or their urine and droppings. HPS was first recognized in 1993 and has since been identified throughout the United States. Although rare, HPS is potentially deadly. Rodent control in and around the home remains the primary strategy for preventing hantavirus infection.



Got Mice?

[Seal Up! Trap Up! Clean Up!](#)
Prevent diseases from rodents

[Hantavirus Pulmonary Syndrome: What You Need To Know](#)

Specimen Submission

[HPS Specimen Submission Guidelines](#)

Continuing Education Credits

Request the "HPS Clinical Update" video at the [Prevention and Information Materials Available Via Mail](#) page.

Easy-Print Sections

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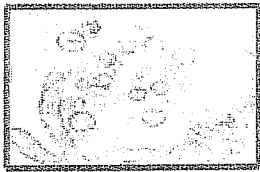
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This page last reviewed Thursday, October 26, 2006

Special Pathogens Branch
Division of Viral and Rickettsial Diseases
National Center for Infectious Diseases
Centers for Disease Control and Prevention
U.S. Department of Health and Human Services





All About Hantaviruses

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- Tracking a Mystery Disease
- How Is HPS Transmitted?
- Who Is at Risk of Getting HPS?
- What are the Symptoms of HPS?
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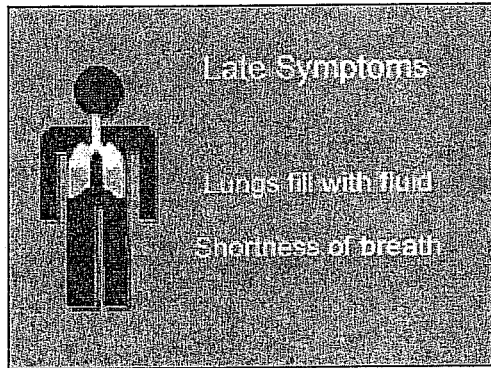
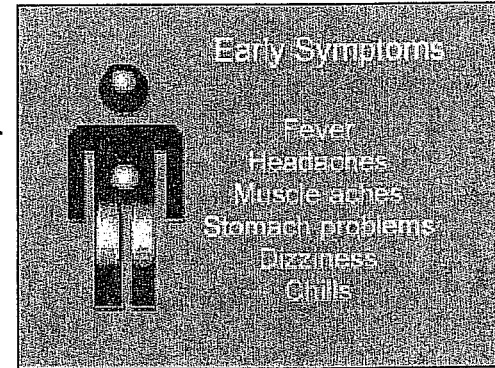
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What Are The Symptoms of HPS?

Early symptoms

Early symptoms include fatigue, fever and muscle aches, especially in the large muscle groups—thighs, hips, back, and sometimes shoulders. These symptoms are universal.

There may also be headaches, dizziness, chills, and abdominal problems, such as nausea, vomiting, diarrhea, and abdominal pain. About half of all HPS patients experience these symptoms.



Late symptoms

Four to 10 days after the initial phase of illness, the late symptoms of HPS appear. These include coughing and shortness of breath, with the sensation of, as one survivor put it, a "...tight band around my chest and a pillow over my face" as the lungs fill with fluid.

Uncommon symptoms

Earache, sore throat, runny nose, and rash are very uncommon symptoms of HPS.

How long after contracting the virus do symptoms appear?

Due to the small number of HPS cases, the "incubation time" is not positively known. However, on the basis of limited information, it appears that symptoms may develop between 1 and 5 weeks after exposure to urine, droppings, or saliva of infected rodents.

Another important point to remember from the data that the CDC Special Pathogens Branch keeps on all reported cases of HPS, is that it appears many people who have become ill were in a situation where they did not see rodents or rodent droppings. Other people have had frequent contact with rodents and their droppings before becoming ill. This apparent inconsistency makes it very difficult to pin down the precise time when the virus was transmitted.

This page last reviewed Thursday, August 5, 2004

Special Pathogens Branch
Division of Viral and Rickettsial Diseases
National Center for Infectious Diseases
Centers for Disease Control and Prevention
U.S. Department of Health and Human Services





All About Hantaviruses

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 - What are the Symptoms of HPS?
 - How Do I Prevent HPS?
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 - Preventing Hantavirus, Indoors and Outdoors
 - Common Signs of Rodent Infestation
 - Cleaning Up
 - Heavy Infestations
 - Precautions for Workers
 - Respirator Update
 - Precautions for Campers and Hikers
 - Treating Hantavirus Pulmonary Syndrome
- Technical Information
- State Contacts
- Case Information

Clean Up Infested Areas, Using Safety Precautions:



Put on latex rubber gloves before cleaning up.

Do not stir up dust by sweeping up or vacuuming up droppings, urine or nesting materials.

Instead, thoroughly wet contaminated areas with detergent or liquid to deactivate the virus. Most general purpose disinfectants and household detergents are effective. However, a hypochlorite solution prepared by mixing 1 and 1/2 cups of household bleach in 1 gallon of water may be used in place of commercial disinfectant. When using the chlorine solution, avoid spilling the mixture on clothing or other items that may be damaged.

Once everything is wet, take up contaminated materials with a damp towel, then mop or sponge the area with disinfectant.

Spray dead rodents with disinfectant, then double-bag along with all cleaning materials and bury or burn—or throw out in appropriate waste disposal system. If burning or burying isn't feasible, contact your local or state health department about other disposal methods.

Finally, disinfect gloves before taking them off with disinfectant or soap and water. After taking off the clean gloves, thoroughly wash hands with soap and warm water.

When going into cabins or outbuildings (or work areas) that have been closed for awhile, open them up and air out before cleaning.

Hantaviruses and Disinfectants

Hantaviruses are surrounded by a lipid (fatty) envelope, so they are somewhat fragile. The lipid envelope can be destroyed and the virus killed by fat solvents, such as alcohol, ordinary disinfectants and household bleach. That is why one of the most important ways to prevent transmitting the disease is to carefully wet down dead rodents and areas where rodents have been with disinfectant and/or bleach. When you do this, you are killing the virus itself and reducing the chance that the virus will get into the air.

Strength and Quantity of Hypochlorite Solutions (Bleach)

Special Pathogens Branch recommends a 10% bleach solution be used to inactivate hantaviruses.

For more information on HPS prevention, visit the Hantavirus Pulmonary Syndrome Spotlight: Seal Up! Trap Up! Clean Up!

- Teaching Materials
- Research and Resources
- Hantavirus in South and Central America
- Previous Feature Articles Archive
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REVISED BID FORM

Revised per Addendum One

FOR: Sedgwick Reserve Barn Restoration

FM090165S/130-10

UNIVERSITY OF CALIFORNIA
SANTA BARBARA
SANTA BARBARA, CALIFORNIA

June 2009

BID TO: University of California, Santa Barbara
Facilities Management, Building 439
Door E, Reception Counter
Santa Barbara, CA 93106
(805)893-3298

BID FROM:

(Name of Bidder)

(Address)

(City)

(State)

(Zip)

(Telephone Number)

(Fax Number)

(Email Address)

DATE BID SUBMITTED

(Date)

Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so may result in the BID being rejected as non-responsive.

1.0 BIDDER'S REPRESENTATIONS

Bidder, represents that a) Bidder and all Subcontractors, regardless of tier, has the appropriate current and active Contractor's licenses required by the State of California and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted. Bidder further agrees that it will not withdraw its Bid within 60 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to University the Agreement in triplicate and furnish to University all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work within One Hundred Eighty (180) calendar days after the date of commencement specified in the Notice to Proceed.

2.0 ADDENDA

Bidder acknowledges that it is Bidder's responsibility to ascertain whether any Addenda have been issued and if so, to obtain copies of such Addenda from University's facility at the appropriate address stated on Page 1 of this Bid Form. Bidder therefore agrees to be bound by all Addenda that has been issued for this Bid.

3.0 NOT USED

4.0 LUMP SUM BASE BID

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(Place Figures in appropriate boxes)

5.0 SELECTION OF APPARENT LOW BIDDER

Refer to the Instructions to Bidders for selection of apparent low bidder.

6.0 UNIT PRICES

The quantities set forth in the unit prices are estimates. University does not represent that the actual quantity of any Unit Price item will equal the Estimated Quantity stated below. University will perform the extension of the Unit Price times the respective Estimated Quantity.

Unit Price #1

Unit Price for providing epoxy injection repairs to existing foundation cracks
(Description of Item)
as specified in Section 01155, Unit Prices
(Specification Section Number)

Estimated Quantity of units: 100 Linear Feet
(MULTIPLIER)

\$, . **per 1 Linear Foot**
(Place unit price figures in appropriate boxes)

Unit Price #2

Unit Price for providing repairs to the damaged rafter tails
(Description of Item)
as specified in Section 01155, Unit Prices
(Specification Section Number)

Estimated Quantity of units: 75 Rafter Tails
(MULTIPLIER)

\$, . **per 1 Rafter Tail**
(Place unit price figures in appropriate boxes)

Unit Price #3

Unit Price for providing repairs to the damaged wood siding
(Description of Item)
as specified in Section 01155, Unit Prices
(Specification Section Number)

Estimated Quantity of units: 400 Square Feet
(MULTIPLIER)

\$, . **per 1 Square Foot.**
(Place unit price figures in appropriate boxes)

7.0 DAILY RATE OF COMPENSATION FOR COMPENSABLE DELAYS (Used As Basis For Award)

Bidder shall determine and provide below the daily rate of compensation for any Compensable Delay caused by University at any time during the performance of the Work:

\$, . x **10 MULTIPLIER**
(Place Amount in Figures in appropriate boxes)

University will perform the extension of the daily rate times the multiplier.

The daily rate shown above will be the total amount of Contractor entitlement for each day of Compensable Delay caused by University at any time during the performance of the Work and shall constitute payment in full for all delay costs, direct or indirect (including, without limitation, compensation for all extended home office overhead and extended general conditions), of the Contractor and all subcontractors, suppliers, persons, and entities under or claiming through Contractor on the Project. The number of days of Compensable Delay shown as a "multiplier" above is not intended as an estimate of the number of days of Compensable Delay anticipated by the University. The University will pay the daily rate of compensation only for the actual number of days of Compensable Delay, as defined in the General Conditions; the actual number of days of Compensable Delay may be greater or lesser than the "multiplier" shown above.

8.0 ALTERNATES

In order for a Bid to be responsive, Bidder must submit an additive bid, a deductive bid, or a "no change" bid, for each Alternate listed below. Bidder shall mark the additive, deductive, or "no change" box for each Alternate. The failure to do so shall result in the Bid being rejected as non-responsive. The failure to quote an amount, unless the bidder marks the "no change" box, will result in the bid being rejected as non-responsive.

The Contract Time will change by the number of days, if any, specified for each accepted Alternate.

Alternate No. 1

Description: Phase III, repair damaged hinged and sliding doors, repair damaged siding, and repaint entire exterior of barn.

as specified in Section 01100, Alternates.
(Alternate Specification Section Number)

Bid for Alternate No. 1

Indicate by marking only **ONE** of the three boxes ("Add," "Deduct," or "No Change") and state the amount, if "Add" or "Deduct" are selected, by placing figures in the corresponding boxes.

	<u>Add</u>	\$,				.		
	<u>Deduct</u>	\$,				.		
	<u>No Change</u>	Bidder will perform alternate without change to Contract Sum.										

If this Alternate is accepted, the Contract Time will be extended by 28 days.

University reserves the right to accept any Alternate(s) for 30 calendar days after the date University signs the Agreement.

Alternate No. 2

Description: In lieu of using lag screws, use the corresponding alternate details shown on Sheet S4.2.

as specified in Section 01100, Alternates
(Alternate Specification Section Number)

Bid for Alternate No. 2

Indicate by marking only **ONE** of the three boxes ("Add," "Deduct," or "No Change") and state the amount, if "Add" or "Deduct" are selected, by placing figures in the corresponding boxes.

<input type="checkbox"/>	<u>Add</u>	\$	<input type="text"/>	<input type="text"/>	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
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<input type="checkbox"/>	<u>Deduct</u>	\$	<input type="text"/>	<input type="text"/>	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
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<input type="checkbox"/>	<u>No Change</u>	Bidder will perform alternate without change to Contract Sum.										
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No extension of time will be granted if this Alternate is accepted;

University reserves the right to accept any Alternate(s) for 30 calendar days after the date University signs the Agreement.

Alternate No. 3

Description: Phase IIA, Remove existing lower roofing and replace with new metal standing-seam roofing over diagonal sheathing. Repair damaged lower roof rafters and rafter tails. Repair damaged siding as a result of repairing roof.

as specified in Section 01100, Alternates
(Alternate Specification Section Number)

Bid for Alternate No. 3

Indicate by marking only **ONE** of the three boxes ("Add," "Deduct," or "No Change") and state the amount, if "Add" or "Deduct" are selected, by placing figures in the corresponding boxes.

<input type="checkbox"/>	<u>Add</u>	\$	<input type="text"/>	<input type="text"/>	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
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<input type="checkbox"/>	<u>Deduct</u>	\$	<input type="text"/>	<input type="text"/>	<input type="text"/>	,	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
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<input type="checkbox"/>	<u>No Change</u>	Bidder will perform alternate without change to Contract Sum.										
--------------------------	------------------	---	--	--	--	--	--	--	--	--	--	--

If this Alternate is accepted, the Contract Time will be extended by 28 days.

University reserves the right to accept any Alternate(s) for 30 calendar days after the date University signs the Agreement.

9.0 LIST OF SUBCONTRACTORS

Bidder will use Subcontractors for the Work:

Yes _____

If yes, provide in the spaces below (a) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the state of California who, under subcontract to the prime contractor, specifically fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of 1/2 of 1 percent of the prime contractor's total bid, (b) the portion of the work which will be done by each subcontractor. The prime contractor shall list only one subcontractor for each such portion as is defined by the prime contractor in its bid.

SUBCONTRACTOR			
Portion of the Work	Name	License No.	Location (City)

(Note: Add additional pages if required.)

10.0 LIST OF CHANGES IN SUBCONTRACTORS DUE TO ALTERNATES

The information below must be provided for all changes in first-tier Subcontractors if University selects Alternates. List changes in Subcontractors only for those portions of the Work valued in excess of 1/2 of 1% of Bidder's Total Bid.

		SUBCONTRACTOR INFORMATION		
Alternate No.	Portion of the Work	Name	License No.	Location (City)

(Note: Add additional pages if required.)

11.0 BIDDER INFORMATION

TYPE OF ORGANIZATION:

(Corporation, Partnership, Individual, Joint Venture, etc.)

- IF A CORPORATION, THE CORPORATION IS ORGANIZED UNDER THE LAWS OF THE STATE OF _____

NAME OF PRESIDENT OF THE CORPORATION:

(Insert Name)

NAME OF SECRETARY OF THE CORPORATION:

(Insert Name)

- IF A PARTNERSHIP, NAMES OF ALL GENERAL PARTNERS:

(Insert Names)

CALIFORNIA CONTRACTORS LICENSE(S):

(Classification)

(License Number)

(Expiration Date)

(For Joint Venture, list Joint Venture's license and licenses for all Joint Venture partners.)

EMPLOYER IDENTIFICATION NUMBER (EIN):

12.0 REQUIRED COMPLETED ATTACHMENTS

The following documents are submitted with and made a condition of this Bid:

1. Bid Security in the form of _____
(Bid Bond or Certified Check)

13.0 DECLARATION

I, _____, hereby declare that I am
(Printed Name)

the _____ of _____
(Title) (Name of Bidder)

submitting this Bid Form; that I am duly authorized to execute this Bid Form on behalf of Bidder;
and that all information set forth in this Bid Form and all attachments hereto are, to the best of my
knowledge, true, accurate, and complete as of its submission date.

I declare, under penalty of perjury, that the foregoing is true and correct and that this declaration
was

executed at: _____
(Name of City if within a City, otherwise Name of County)

in the State of _____,

on _____
(Date)

(Signature)

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS:

That we, _____,

as Principal, and _____, as Surety, are held and firmly bound unto THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, hereinafter called THE REGENTS, in the sum of ten percent (10%) of the Lump Sum Base Bid amount for payment of which in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT, WHEREAS, Principal has submitted a Bid for the work described as follows:

Sedgwick Reserve Barn Restoration

FM090165S/130-10

NOW, THEREFORE, if Principal shall not withdraw said Bid within the time period specified after the Bid Deadline, as defined in the Bidding Documents, or within sixty (60) days after the Bid Deadline if no time period be specified, and, if selected as the apparent lowest responsible Bidder, Principal shall, within the time period specified in the Bidding Documents, do the following:

- (1) Enter into a written agreement, in the prescribed form, in accordance with the Bid.
- (2) File two bonds with THE REGENTS, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by the Bidding Documents.
- (3) Furnish certificates of insurance and all other items as required by the Bidding Documents.

In the event of the withdrawal of said Bid within the time period specified, or within sixty (60) days if no time period be specified, or the disqualification of said Bid due to failure of Principal to enter into such agreement and furnish such bonds, certificates of insurance, and all other items as required by the Bidding Documents, if Principal shall pay to THE REGENTS an amount equal to the difference, not to exceed the amount hereof, between the amount specified in said Bid and such larger amount for which THE REGENTS procure the required work covered by said Bid, if the latter be in excess of the former, then this obligation shall be null and void, otherwise to remain in full force and effect.

In the event suit is brought upon this bond by THE REGENTS, Surety shall pay reasonable attorneys' fees and costs incurred by THE REGENTS in such suit.

IN WITNESS WHEREOF, we have hereunto set our hands this ____ day of _____, 20

Principal

Surety

By: _____

By: _____

Title: _____

Title: _____

Address for Notices:

NOTE: Notary acknowledgement for Surety and Surety's Power of Attorney must be attached.

SECTION 01500
REVISED CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1. GENERAL

1.1 PROTECTION OF EXISTING STRUCTURES AND UTILITIES

- A. The drawings show, if applicable, existing above and below grade structures, drainage lines, storm drains, sewers, water, gas, electrical, hot water, and other utilities which are known to University.
- B. Locate all know existing installations before proceeding with construction operations which may cause damage to such installations. Existing installations shall be kept in service where possible and damage to them shall be repaired with no adjustment of Contract Sum.
- C. If any other structures or utilities are encountered, request University's Representative to provide direction on how to proceed with the Work.
- D. If any structure or utility is damaged, take appropriate action to ensure the safety of persons and property.

1.2 INTERRUPTION OF BUILDING SERVICES

- A. Obtain University's approval at least 3 days prior to any service shutdown or cutover. Do not interrupt mechanical and electrical services to the building or Campus facilities except at such times as will cause the least inconvenience to the University and only with the approval of the University Representative.

1.3 TRENCHING AND EXCAVATION

- A. General Protection: Pursuant to Labor Code Sections 6705 and 6707, Contractor shall include in its base bid all costs incident to the provision of adequate sheeting, shoring, bracing or equivalent method for the protection of life and limb, which shall conform to the applicable Federal and State Safety Orders.
- B. Before beginning any excavation five feet or more in depth, Contractor shall submit to University's Representative a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during excavation in conformance with the California Construction Safety Orders and Title 24 of the California Code of Regulations (CCR). If the detailed plan varies from such shoring system standards, it shall be prepared by a registered civil or structural engineer whose name and registration number shall be

indicated on the drawing. If a dispute arises as to whether the plan must be prepared by a registered civil or structural engineer, University's Representative's determination of the matter shall be final and conclusive on Contractor. The cost of required engineering services shall be borne by Contractor and shall be deemed to have been included in the amount bid for the Work as stated in the Agreement.

- C. Comply with State of California Construction Safety Orders, Article 6 – Excavations, trenches earthwork, whether or not the excavation, trench, or earthwork is five feet or more in depth.

1.4 TEMPORARY BARRICADES AND FENCING

- A. If so directed by the University Representative, construct barricades and fences to secure and protect facilities. Security and protection facilities required include but are not limited to:
 - 1. Barricades, warning signs, lights, window protections.
 - 2. Enclosure fence for the site.
 - 3. Temporary Project identifications signs and bulletin boards.
- B. For fences, safety barriers, noise and vision barriers, where appropriate or required, provide 5/8-inch thick minimum exterior type plywood, 6 feet high; or 11 gage, galvanized 2 inch open-mesh chain link fencing, 6 feet high, with galvanized steel pipe posts, 1-1/2" I.D. for corner posts.
 - 1. Where plywood fencing is used, paint it a green color as selected by University's Representative.
 - 2. Where chain link fencing is used, cover fencing with green plastic fabric, color as approved by University's Representative. Securely fasten fabric to fencing and maintain in a satisfactory condition as determined solely by University's Representative.
 - a. Fabric: 5.2 oz/sq.yd. and 80% shade
 - b. Bind fabric hems with 2-3/4 inch binding tape with brass grommets every 12 inches. Run a tab horizontally through the center with brass grommets every 12 inches. Attach all grommets in fabric to fencing with #9 gage hog rings.
- C. Locks for Fence Gates: Campus Fire Department will furnish Knox padlocks to Contractor where fire access is required.
- D. Remove temporary barricades and fencing just prior to substantial completion unless indicated otherwise to meet sequencing requirements. Personnel remaining after Substantial Completion will be permitted to use the facilities, under conditions acceptable to the University.

1.5 TEMPORARY UTILITY INSTALLATION

- A. Sanitary facilities: Include temporary toilets, wash facilities and drinking water fixtures. Comply with regulations and health codes for the type, number, location, operation and maintenance of fixtures and facilities. Install where facilities will best serve the Project's needs. Maintain facilities in a clean and sanitary condition.
1. Provide toilet tissue, paper towels, paper cups and similar disposable materials for each facility. Provide covered waste containers for used material.
 2. Provide separate toilet facilities for each sex.
 3. Obtain approval for locations of toilets from University's Representative.
 4. Maintain and pump temporary/portable toilets in compliance with applicable governmental requirements.
 5. Use of other Reserve toilet facilities is not permissible.
- B. Wash Facilities: Install wash facilities supplied with potable water at convenient locations for personnel involved in handling materials that require wash-up for a healthy and sanitary condition. Dispose of drainage properly. Supply cleaning compounds appropriate for each condition.
- C. Drinking Water Facilities: Provide containerized tap- dispenser bottled-water type drinking water units, including paper supply.
- D. Environmental Protection: Comply with requirements in Section 01150. Provide protection, operate temporary facilities and conduct construction in ways and by methods that comply with environmental regulations; that minimize the possibility that air, waterways and subsoil might be contaminated or polluted; or that prevent other undesirable effects that might result. Avoid use of tools and equipment which produce harmful noise. Protect building occupants from dust and fumes.
1. Dust Control: Provide positive methods and apply dust control materials to minimize raising dust from construction operations, and to prevent airborne dust from dispersing into the atmosphere. On a regular basis, use dust palliatives or sprinkle temporary roads, turf, and any site areas that have the potential for creating dust on the Project site or on properties affected by the construction.
 2. Noise Control: Conform to requirements of CAL-OSHA and to requirements specified in Section 01150. Provide noise reduction walls where indicated, if any, or where required by University's Representative. Provide exterior walls, barriers, shrouds, or other devices as required to reduce noise levels at adjacent buildings.

3. Pollution Control:
 - a. Provide methods, means and facilities required to prevent contamination of soil, water, or atmosphere by the discharge of noxious substances from construction operations.
 - b. Provide plastic-lined settling beds for patching materials, drywall compound and texture, paints, tile setting and grouting materials, sealants, and other such materials. Before Substantial Completion, let dry and evaporate, and then remove and dispose of liners in a safe and lawful manner.
4. Provide adequate ventilation during use of volatile or noxious substances.
5. Prior to installation, obtain approval of all environmental protections from University's Representative and University's Environmental Health and Safety Department.

1.6 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Temporary Fire Protection: Until the project has been completed and a notice of completion is filed, install and maintain temporary fire protection facilities of the types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 10 "Standard for Portable Fire Extinguishers," NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations," and University and governing regulations.
 1. Locate fire extinguishers, as indicated in referenced standards, as determined necessary by the Contractor, where convenient and effective for their intended purpose, but not less than two extinguishers readily accessible to the building. Provide extinguishers in field offices, storage sheds, tool houses, other temporary buildings, and throughout the site.
 2. Store combustible materials in containers in fire-safe locations.
 3. Protect and maintain unobstructed access to fire hydrants, fire extinguishers, temporary fire protection facilities, and access routes for fighting fires. Prohibit smoking in hazardous fire exposure areas.
 4. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.
 5. A "Hot Work Permit" is required for operations utilizing welding, cutting metal with oxygen (acetylene torches), or other open-flame devices. Obtain permit as specified in Section 01060 – "Regulatory Requirements."
 6. Use fire protection equipment only for fighting fires.
 7. Assign a qualified person with authority to maintain fire protection equipment, institute fire prevention measures, and direct the prompt removal of combustible and waste material.

B. First Aid:

1. Maintain a fully equipped emergency medical supply kit, including a snake bit kit, on site at all times, sufficient in size to handle the maximum number of personnel as may be anticipated on site at any one time.
2. Employees of the contractor, especially their superintendent and foreman, shall have recently completed both first aid and CPR training.

C. Wildlife Protection and Control:

1. The Sedgwick Reserve has a rodent infestation issue and the area has a risk for infection from the Hantavirus. Contractors visiting the site prior to bidding and once work commences will have to take precautions and attend a pre-construction training session conducted by the UCSB Department of Environmental Health and Safety.
2. Included under "Information Available to Bidders" is information provided by the CDC regarding the Hantavirus, what it is, symptoms of the disease, and precautions that should be taken. In addition, it is recommended that powered air-purifying respirators (PAPR) with N-100 filters be used. Additional information may be provided at the pre-construction meeting.
3. All personnel should be aware of the existence of snakes and other potentially harmful animals and insects on the site. All personnel should wear appropriate clothing and footwear at all times. The wearing of open footwear of any kind and shorts is strongly discouraged.

END OF SECTION