

REQUEST FOR QUALIFICATIONS

**CONSULTING
EXECUTIVE STRUCTURAL ENGINEER
FOR**

**SCRIPPS INSTITUTION OF OCEANOGRAPHY
HUBBS HALL 2nd FLOOR SLAB FEASIBILITY STUDY**

UNIVERSITY OF CALIFORNIA, SAN DIEGO

FD&C Project No. 4865

**Proposals due
FRIDAY, MAY 30, 2014**

Issue Date – May 15, 2014

I. INTRODUCTION

Formerly the Marine Biology Building, Hubbs Hall was named to honor Carl Leavitt Hubbs (1894-1979), professor of marine biology at Scripps Institution of Oceanography. Hubbs Hall houses the Marine Biology Research Division (MBRD) and contains some of the institution's most sophisticated laboratory facilities. MBRD programs include a full range of biological studies, from the simple characterization of species to molecular biology and genetic analysis of fish. Hubbs Hall also contains an experimental aquarium facility and researchers from the Center for Marine Biodiversity and Conservation, and the Center for Marine Genomics.

Hubbs Hall is a 4-story laboratory/research reinforced concrete building, built in 1976, and located adjacent to the Pacific Ocean. The 85,484 total SF building was constructed partially on fill and native soil, and cut back into the adjacent hillside. The second floor is half slab on ground and the other half on columns. It has been found that the portion of the second floor which is slab on grade has started to crack and settle. It was subsequently discovered, by coring through the 5-inch slab and being able to push camera video up to radius of 10-feet, that a void, 2 to 5-inches deep, had developed under a large portion of the slab. Coring another location confirmed the same issue.

II. PROJECT DESCRIPTION

UC San Diego will be selecting an Executive Structural Engineer to perform further investigation, programming, planning, designing, bid, and construction phase services for the repair of Hubbs Hall. The objective of this study is to determine the full extent of and how best to solve the existing structural and related problems.

The work will require leading the effort to investigate the structural and repair issues, design of the new slab and other necessary components, prepare a work and phasing plan, prepare contract documents and provide administrative and problem solving support through the construction phase. Additionally, the successful applicant will need to document the requirements of the current users, support the effort to relocate the researchers to new facilities (as needed), provide schedules for all parts of the work, including the moves and cost estimates. Finally the rooms will need to be renovated back into usable space, so coordination with SIO staff and the different scientific disciplines is essential, the resulting rehabilitation/construction work is anticipated to cost in the rough order magnitude of \$5M.

III. SCOPE OF SERVICES

The professional design services will be conducted iteratively in several phases.

Phase I

To develop the full scope of work, cost estimate, schedule, and work plan for the affected occupied space, the phasing needed to remove the floor slab, recompact the soil under the slab, pour a new reinforced slab, and renovate the rooms after the construction.

Phase II and follow on

Upon the Executive Structural Engineer's successful completion of Phase I, authorization of further work for Phase II, including a Detailed Project Program, Schematic Design, Design Development, Construction Documents, Bid and Award, and Construction Administration is expected.

IV. JOINT VENTURES/ASSOCIATIONS

The University will not entertain Joint Ventures or Associations on this project.

V. PROJECT DELIVERY METHOD

The project delivery method is anticipated to be either design bid build or CM/GC.

VI. CONSULTANTS

The University is only selecting the Executive Structural Engineer at this time. All sub-consultants, such as, but not limited to, architectural, mechanical, electrical, plumbing, landscape, civil, etc. will be selected later by the Executive Engineer in collaboration with the University.

VII. SUBMITTAL REQUIREMENTS AND SELECTION CRITERIA

The University of California, San Diego, requests the following submittal material for use in the selection of a professional design firm to perform the Scope of Services described in Section III.

- A. Demonstrated experience and excellence in documentation of existing structural conditions, working with users within an occupied building, noting their requirements for the continued operations, analyzing structural problems and making recommendations for solutions. Design and construction administration experience on comparable structural rehabilitation of research laboratories and aquariums.

Impacts to users inside the building and the adjacent aquariums will need to be identified and mitigated.

- B. Proven capabilities for providing creative design solutions on above project types. **For each comparable project example depicted, please note the responsible lead designer.** Proposals should include examples of comparable structural rehabilitation accomplished by the proposed lead designer for this specific project. Work accomplished by the lead designer while in the employ of other firms should be clearly noted.
- C. Demonstrated experience in the programming and planning of comparable projects of rehabilitation and slab repairs of public facilities in an institutional setting.
- D. Proven technical, scheduling, quality control and cost management capabilities.

- E. Qualifications of the Principals and Project Team Members, including a clear definition of the primary roles and responsibility of each.
- F. Outline of the basic work plan to accomplish the work.
- G. Definition and track record of Outreach Program to local small and disadvantaged sub-consultant businesses.
- H. Ability to provide Professional Liability Insurance in the amount of \$1,000,000 Each Occurrence and \$2,000,000 per Project Aggregate.

VIII. STATEMENT OF UNDERSTANDING

All Short-listed firms will be required to sign a Statement of Understanding. By signing the document it is acknowledged that a draft copy of the standard Executive Design Professional Agreement (EDPA) has been read, and with reservation of rights, the terms and conditions are generally agreed upon. Additionally, notwithstanding this is a qualification based selection process, it is understood that fees for basic services are expected to fall within a limited and commercially reasonable range for work as referenced in the Executive Design Professional/Fee Guideline provided to short-listed candidates.

IX. PROCEDURES FOR SUBMISSION

Architectural firms wishing to be considered should submit electronic materials, under a coversheet, indicating their past experience in the programming and renovation of university buildings or other comparable institutional facilities including references, Standard Forms 330, University of California Consultant Experience Form (Attachment A) and University Statement of Qualifications (Attachment B). One electronic copy on CD or flash drive, in pdf format, should be submitted, with any graphic images, spreadsheets or pages larger than 8.5” x 11” submitted in landscape view. No paper copies requested. Proposals are due no later than Friday, May 30, 2014.

Forward material **by mail, messenger and/or overnight express** to:

University of California, San Diego
Jennifer Mora, Contracts Analyst
Office of Facilities Design & Construction
10280 N. Torrey Pines Rd., Suite 465
La Jolla, CA 92093-0916

Hours of business: Monday through Friday, 8:00 a.m. to 4:30 p.m. Technical questions or questions regarding the scope of the project should be directed to Anka Fabian at (858) 534-3818. UC San Diego requests that interested firms refrain from contacting any other party regarding this project.

UC San Diego encourages the participation of Small, Disadvantaged, Minority-owned, Women-owned and Service/Disabled Veteran-owned Business Enterprises (S/D/M/W/DVBE's) and is committed to promote a diverse pool of firms for our building programs.

Every effort will be made to ensure that all persons have equal access to contracts and other business opportunities with the University within the limits imposed by law or University policy. Each candidate firm may be required to show evidence of its equal employment opportunity policy.

The University of California is an Equal Opportunity Employer – minorities and women are encouraged to apply for consideration.