

REQUEST FOR QUALIFICATIONS SPECIAL TESTING AND INSPECTION SERVICES

Anna Head West Student Housing (12323A)

I. PROJECT NOTICE

The University of California (Berkeley) seeks statements of qualifications to perform special testing and inspection services as described under Item III below for the Anna Head West Student Housing Project (#12323A), at the University of California, Berkeley campus. Refer to the UCB Capital projects website for more information (<http://www.cp.berkeley.edu/RFQ.html>). Project Specifications and Project Drawing Set (50% Construction Documents plus 75% Early Bid Foundation Package) are available at the Oakland branch of Ford Graphics and proposing companies may call (510) 451-9060 to order documents at their own expense. Proposing Companies may also arrange to view the project documents at the Capital projects office at no charge.

GENERAL DESCRIPTION OF WORK: The Anna Head West Student Housing project is a 147,000 sf project that will be constructed on the parking lot site located west of Bowditch Street and the historical Anna Head facilities, and between Channing Avenue and Haste Street.

The Anna Head West Student Housing project is a combined sophomore residence hall and upper-division apartment facility. The project will house 418 students, approximately half in double-occupancy rooms and half in 4-bedroom suites. The ground level floor will house associated program facilities including recreational lounge areas, academic center and offices, computer center, study areas, kitchenette, laundry facility and an exercise area.

The 5-6 story concrete frame building will utilize passive thermal elements, incorporate energy efficient mechanical systems and maximize natural light and ventilation. Protection of several specimen trees on site and provision of landscape within courtyards and adjacent to the new facility are included in the project. Construction Costs are estimated to be \$44,000,000.

Vance Brown Builders is the Construction Manager/General Contractor.

II. SCHEDULE

Site demolition will begin in October, 2010. Expected date of completion is June 2012. The Contractor's Preliminary Construction Schedule will be made available.

III. PROPOSED SCOPE OF SERVICES

The scope of services to be provided will comply with the California Code of Regulations — Title 24 Requirements and all other related applicable standards. The inspector(s) will report to and work with UCB Inspection Services (including forms and policies) and will perform services including but not limited to observation of the contractor's operations to ensure conformance with applicable standards, and special testing and inspections in accordance with the State Fire Marshal approved Contract Documents, including but not limited to the following.

Following the submittal deadline, firms on the short list may be invited to submit an estimated fee proposal based on the drawings, specifications, and schedule provided; however, estimated fees are not the primary basis of award and should not be included in the initial submittal.

CAST-IN-PLACE CONCRETE & REBAR

- Concrete mix design reviews
- Tagging and sampling rebar
- Rebar placement inspection
- Concrete batch plant inspection
- Concrete placement inspection
- Sampling concrete
- Prepare compression cylinders
- Tensile and bend tests
- Compression tests

POST-TENSIONED CONCRETE AND REBAR

- Concrete mix design reviews
- Post-tensioning tendon placement
- Concrete placement inspection
- Prepare compression cylinders
- Transporting samples
- Review of stressing sheets
- Stressing inspection
- Compression tests

SHOTCRETE

- Shotcrete mix design review
- Rebar placement inspection
- Shotcrete placement inspection
- Witnessing fabrication of test panels
- Transporting samples
- Compression tests

MASONRY

- Grout mix design reviews
- Sampling masonry block
- Tagging and sampling rebar
- Witness fabrication of masonry assemblages
- Grout batch plant inspection
- Masonry placement inspection
- Sampling mortar/grout
- Transporting samples
- Ferroscanning to located rebar
- Coring masonry
- Physical tests of masonry units
- Tensile and bend tests
- Composite prism compression tests
- Compression tests – mortar cylinders
- Compression tests – grout prisms
- Shear bond test of CMU cores
- Compression test of CMU cores

STRUCTURAL STEEL

- Material identification
- Review welder certifications
- Shop welding inspection
- NDT shop welding
- Field welding inspection
- High strength bolting inspection
- NDT field welding
- Metal deck/stud welding inspection
- Light gauge framing inspection
- Testing of high strength bolts, nuts and washers

BASE PLATE GROUTING

- Non-shrink grout placement
- Sampling non-shrink grout
- Transporting samples
- Compression tests

SPRAY-APPLIED FIRE RESISTIVE MATERIALS

- Fireproofing inspection
- Sampling fireproofing
- Transporting samples
- Fireproofing laboratory density tests

ANCHOR BOLTS / EPOXIED DOWELS

- Proofload testing - tension
- Proofload testing – torque
- Epoxy/dowel installation

GLUE LAMINATED STRUCTURAL LUMBER

- Glu lam fabrication inspection

SOILS

- Sampling soils
- Laboratory compaction curves, checkpoints, moisture/density, plasticity, gradation
- Verify materials below footings are adequate to achieve the design bearing capacity
- Verify excavations are extended to proper depth and have reached proper material
- Perform classification and testing of controlled fill materials
- Verify use of proper materials, densities (compaction testing) and lift thicknesses during placement and compaction of controlled fill
- Prior to placement of controlled fill, observe subgrade and verify that the site has been prepared properly

IV. CONTENT OF PROPOSAL

- A. Cover Letter of introduction, indicating understanding of the project and proposed approach.
- B. Submittal responding to the following:
 1. Statement of Qualifications
 2. Resumes of proposed personnel highlighting relevant qualifications and experience
 3. At least three (3) references demonstrating firm and proposed inspector's experience with projects of similar scope and complexity.
 4. Evidence of successful experience on a UC campus (Submit no more than two (2) examples) where Special Inspection's fee proposal was in excess of \$100,000.
 5. Hourly rate sheet including minimum charge time.

V. DOCUMENTS

Drawings and specifications prepared by Behnisch Architects (50% Construction Documents, dated July 2010 and 75% Early Bid Foundation Drawings, dated July 2010) are available for review onsite at UCB Capital Projects offices, or for purchase as noted above. The Contractor's Preliminary Construction Schedule is also available for review.

Please contact Valerie Zylla at 643-3584 or Percy Fordyce at 643-8951 to schedule a time to come in and review documents.

VI. PROPOSAL SUBMITTAL AND REVIEW PROCESS

- A. Three (3) copies of the proposal should be directed to:

Valerie Zylla, Project Manager
UC Berkeley Facilities Services/Capital Projects
1936 University Avenue, Room 232
Berkeley CA 94720-1380
Fax: 510.642.7271

- B. The proposal must be received no later than 3.00pm, Wednesday, **August 18, 2010**, in order to be considered. Please contact Valerie Zylla, Project Manager at (510) 643-3584 for inquiries.

VII. SELECTION CRITERIA

- A. A selection committee will review and rank the submittals. Final selection will be based on the agency's understanding of the project scope, complexity and implications, as well as cost effective delivery of the required services. The firm selected will be required to sign the University's Professional Services Agreement, which is available for review at <http://www.cp.berkeley.edu/CP/ContractAdmin/SampleDocs/Agreements/PSA.pdf>.
- B. The University of California is an equal opportunity Employer. Every effort will be made to ensure that all persons, regardless of race, religion, gender, color and national origin have equal access to contacts and other business opportunities with the University.