

# REQUEST FOR QUALIFICATIONS SPECIAL TESTING AND INSPECTION SERVICES

## Law Building Infill (12267A)

### **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 Law Building Infill project (#12267A), at the University of California, Berkeley campus. Project Specifications and Project Drawing Set are available at the Oakland branch of Ford Graphics and proposing companies may call 510-451-9060 to order documents at their own expense.

**GENERAL DESCRIPTION OF WORK:** The Law Building Infill addition is a 50,910 gross square feet (GSF) facility that would be constructed in the south-facing courtyard of the Law complex. The new building would be largely an underground structure, with two levels providing approximately 31,484 ASF below grade, and one level providing approximately 6,529 ASF above-grade, where it would be surrounded by the existing Law complex. The lowest level (B2) of the addition would house efficient compact library shelving and dedicated student and research study space. The level immediately below grade (B1) would house library staff and support space and library study space.

The level above grade (L1) would include a central 72-person classroom and would be flanked on the east and west sides by space for informal study and a café of similar size. Two new fully accessible courtyards totaling approximately 9,000 square feet would be created, one on each side of the addition with the primary Law School entrance accessed through the east side courtyard. These prominently located ground level spaces would combine to create a center for conferences, public events, student activities and informal interaction for the Law School. The café, classroom, and student lounge would generate a high level of public activity, activating the courtyards and the Bancroft Way frontage. .

Major program improvements will also provide reorganization and renovation of some interior spaces, along with building infrastructure upgrades of HVAC, security, plumbing and electrical systems. Construction costs are estimated to be \$62,500,000.

Hunt Construction Group is the Construction Manager/General Contractor.

### **II. SCHEDULE**

Site demolition will begin in October, 2008. Expected date of completion is December, 2010.

### **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 the scope outlined below.

- A. Observe Contractor's operations to ensure conformance with applicable standards, and perform special testing and inspections in accordance with the State Fire Marshal approved Contract Documents, including but not limited to the following:
  1. Foundation Concrete, Building Concrete, and Site Concrete:
    - a. Verification of mix designs and certificates of compliance.
    - b. Compaction testing of aggregate base course, crushed rock, pea gravel and/or sand.
    - c. Testing of material samples, including but not limited to aggregate base, aggregate and cement.

- d. Concrete batch plant inspections.
  - e. Verification of size, type and placement of reinforcement, including welding inspection if applicable.
  - f. Verification of concrete placement and curing, including placing sequence.
  - g. Concrete cylinder and slump tests including handling, delivery and testing of cylinders.
  - h. Shotcrete operation including certification, test panel cores, verification of operator certificates, full-time observation of placement, and written reports.
  - i. Verification of surface finish tolerances (FF and FL).
  - j. Torque tests as required.
  - k. Asphalt mix design, testing of mix designs and installation.
2. Reinforcing Steel: Verification of all reinforcing steel placement, material tags, installation methods, clearances, connections and laps.
  3. Structural Steel, Miscellaneous Metal & Prefabricated Metal Stairs:
    - a. Fabrication plant inspections – Monitor fabrication operations and verify welder certifications, welding procedures, shop inspections and tests and Contractor’s quality control records.
    - b. Field inspections – Qualify welding operators and procedures and inspect all steel erection and field connections as specified, including magnetic particle testing and ultrasonic testing of field welds.
    - c. Metal decking – Witness welding procedure for metal decking and qualify each welder as specified. Verify nelson stud welding and installation.
    - d. Metal fabrications – Inspect field welding as specified.
    - e. Bolting – Torque tests as required.
    - f. Testing of shear studs
  4. Pull Tests:
    - a. Hanger and rods
    - b. Epoxy dowels (if required)
  5. Fireproofing: Thickness, density and bond strength testing of cementitious fireproofing.
  6. Sitework: Compaction testing of subgrades and utility trenches.
  7. Existing Conditions: Field verification and monitoring of existing building datum point.
  8. Other: Identify items that may have been omitted and should be included as part of scope.
- B. The following scope will be by others and is specifically EXCLUDED:
1. Hydrostatic or air pressure testing of pipes and fittings.
  2. Observations of formwork and shoring operations.
  3. Roofing and waterproofing inspections, including load testing of roof hatches and testing of gutters by flooding with water.
  4. Inspection of sheet metal flashing and trim.
  5. Inspection of firestopping work.
  6. Façade mock-up testing.
  7. Concrete moisture vapor emission testing.

8. Testing of exterior maintenance equipment.
9. Elevator testing.
10. Vibration isolation testing.
11. Sound attenuator testing.
12. Testing of mechanical, electrical, plumbing, security and telecommunication systems.
13. Testing of fuel oil storage and distribution system.
14. Testing of fire protection system.
15. Inspections for aesthetic acceptance.

#### **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.
- C. Proposal to be based on the drawings, specifications, and schedule provided.

#### **V. DOCUMENTS**

Drawings and specifications prepared by The Ratcliff Architects (Schematic Design Package, dated June 19, 2008) are available for review at UC's Capital Projects offices at no charge, or for purchase as noted above.

#### **VI. PROPOSAL SUBMITTAL AND REVIEW PROCESS**

- A. Four (4) copies of the proposal should be directed to:  
Tom Leffler, Project Manager/ Jim Wert, Project Coordinator  
UC Berkeley Facilities Services/Capital Projects  
1936 University Avenue, Room 232  
Berkeley CA 94704-7027  
Berkeley CA 94704-7027  
Fax: 510-642-7271
- B. The proposal must be received no later than **12 Noon on Thursday, November 6, 2008**, in order to be considered. Please contact Tom Leffler, Project Manager at 415-613-5217, or Jim Wert, Project Coordinator at 510-642-7161 for inquiries.

#### **VII. SELECTION CRITERIA**

- A. A selection committee will review the submittals and rank the inspection/testing agencies. Selection will be based on the agency's understanding of the project scope, complexity and implications.  
  
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/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.