

**North Carolina State University
Plant Sciences**

**Construction Manager at Risk
Project Summary**

September 8, 2016

Project Description

The vision for the new Plant Sciences Building is to create a highly collaborative and interactive environment, where researchers from the College of Agriculture and Life Sciences (CALs) and from across the university can build imaginative and far-reaching multidisciplinary partnerships with scientists from government, industry, and regulatory agencies. The goal of these interdisciplinary, research-team partnerships is to find innovative and creative solutions for the grand challenges of agriculture, agribusiness, and plant research, including those regarding food production, sustainability, disease resistance, and climate change.

The building design will promote creativity and collaboration. This five-story building will be approximately 199,000 gross square feet (GSF) comprised of research labs, office space, corporate lab/office suites, hearth/atrium space, support space, and shared, flexible conferencing space. The partial fifth floor will house Biosafety Levels (BSL) 2 and 3 rooftop greenhouses.

Project Funding

Total project budget for soft cost and construction cost is \$160,200,000. Of this, \$150,400,000 is specific to the building and \$9,800,000 is for supporting utility projects.

Project Scope

The University seeks the professional services of a Construction Manager at Risk (CMR) to join the team in the schematic design phase to provide services for the project through design, construction and post acceptance.

Preliminary Project Schedule

Pre-Design	11/2016 – 4/2017
Schematic Design	4/2017 – 11/2017
Design Development	11/2017 – 7/2018
Construction Documents	7/2018 – 5/2019
Bid Opening	7/2019
Construction	7/2019 – 12/2021

Critical Selection Factors

Interested firms can participate in the process by submitting a proposal that addresses all the information requested by the Qualifications Questionnaire for CM at Risk. The Questionnaire will be available on September 13, 2016 through the Project Manager or at the website: <http://www.ncsu.edu/facilities/advertisements/index.htm> . Please note that two (2) copies of the proposal are required; the length of the proposal should be limited to 20 pages both sides. This limitation does not include the Cover Sheet, Tabs or Financial Statements. Firms are requested to assure receipt of proposals at address listed below by **October 17, 2016**.

Critical selection factors include the following:

1. Workload that is fully able to accommodate the timely execution of this project. List projects for which the company is currently committed including name and location of each project, time frame to complete, and dollar volume of each project.
2. Record of successfully completed projects of similar scope without major legal or technical problems. List three projects of similar size, scope and complexity, including details on the scope of preconstruction and construction phase services. Provide annual workload for each of the last five years; number of projects and total dollar value. Provide complete information regarding past litigations and claims.
3. Record of Financial viability. Attach latest balance sheet and income statement if available, based on company type. Audited statements preferred. If not available, attach a copy of the latest annual renewal submission to the relevant licensing board. Indicate Dunn and Bradstreet rating if one exists. Attach letter from Surety Company or its agent licensed to do business in North Carolina verifying proposer's capability of providing adequate performance and payment bonds for this project.
4. Previous experiences with the Owner, a good working relationship with Owner representatives, have completed projects in a timely manner and have performed an acceptable quality of work. For the three projects requested in item 2 above, provide owner references including contact information for the project owner representative. Additionally, list all construction projects performed by the proposer for agencies and institutions of the State of North Carolina during the past 10 years.
5. Key personnel that have appropriate experience and qualifications. Attach sworn statement that key personnel will be exclusively assigned to this project for its duration. For each person, detail what aspects of pre-construction or construction the person will

- handle, as well as his experience in the firm, other prior and relevant experience with projects of similar size and scope, and their person's location. Include resumes and references for each individual.
6. Relevant and easily understood graphic or tabular presentations.
 7. Completion of CM at Risk projects in which there was little differences between the GMP and final cost. For the three projects requested in item 2 above, list the GMP and the total cost of the project at completion.
 8. Projects that were completed on or ahead of schedule. For the three projects requested in item 2 above, compare the number of days in the original schedule with the number of days taken for actual completion.
 9. Construction administration capabilities.
 10. Proximity to and familiarity with the area where the project is located and the dynamics of the local market.
 11. Approach to design phase services, including constructability reviews and cost estimating. Appropriate level of commitment to each phase of service, staffed with appropriate personnel. Provide a brief description of how the project will be organized and managed and how the services will be performed in both pre-construction and construction phases. Project planning that offers the same project manager for pre-construction and construction phases will be given preference. Include information regarding value engineering, constructability issues, cost modeling and estimate, project tracking and reporting, requests for information and shop drawings, quality control, schedule and staffing plan.
 12. Quality of compliance plan for minority business participation as required by G.S.143-128.2. History of successful implementation of similar HUB efforts. Describe the program that your company has developed to encourage participation by minority and other HUB firms to meet or exceed the goals set by the statute. Attach a copy of that plan to the proposal. Provide documentation of the minority and other HUB participation that you have achieved over the past two years on both public and private construction projects. Outline specific efforts that your company takes to notify minority and other HUB firms of opportunities for participation. Indicate the minority participation goal that you expect to achieve on this project.
 13. Other factors that may be appropriate for the project including expertise in advanced building envelope systems.
 14. Proximity to and familiarity with NCSU campus.
 15. LEED Certified Project Experience

CMR Selection Process

Following the receipt of proposals, a University Interview Committee, appointed by the Secretary to the University Board of Trustees' Building and Property Committee, will shortlist three (3) firms, interview and make a recommendation of selection to the University Board of Trustees' Buildings and Property Committee. The selected firm will contract with the State of North Carolina through the University and coordinate services with Capital Project Management.

CMR Contract

The contract will be negotiated with the CMR in two parts. Part one of the contract is pre-construction services. The second part of the contract is for bidding, construction, and close-out services.

CMR Pre-Submittal Meeting

A Pre-submittal Meeting will be held **September 26, 2016 at 2pm-3pm** in Conference Room 124A/124B of the Admin III Building at 2701 Sullivan Drive on the NC State University campus. Attendance at the CMR Pre-Submittal Meeting is mandatory. Obtain parking permits from NCSU Transportation, located in Administrative Services I, at 2721 Sullivan Drive.

In order to offer Construction Manager at Risk services in the response to this solicitation, the proposer must be licensed as a general contractor in the state of North Carolina.

Questions/Proposal Submittal

In order that the selection process be as objective as possible, do not contact members of the Board of Trustees, or any university officials other than the project manager. All questions and project submittals are to be directed to:

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