

**UNC Charlotte**

**Science Building**

**Pre-Submittal Conference**

**May 11, 2016, 2:00 PM**

**CHHS- Room 155**

# Meeting Agenda

## PART I - General

- Welcome
- Introductions
- **Questions:**  
[dschauble@uncc.edu](mailto:dschauble@uncc.edu)
- **Updates:**  
[facilities.uncc.edu/advertisements](http://facilities.uncc.edu/advertisements)
- Last date to submit questions May 16. A final addendum will be posted no later than May 17.
- HUB and Small Business Enterprise are not considerations for designer selection

## PART II - Submittal

- Schedule
- Submittal Format
- Selection Criteria

## PART III - Project

- Budget
- Project Size
- General Project Information
- Project Objectives
- Key Qualifications
- Site
- Designer Questions
- Optional Site Visit

## Submittal Schedule

- Proposal Due Date May 24 at **2:00 PM**
- Shortlisting to be completed in mid-June  
Interviews for selected firms will be in the morning of June 30, 2016
- Projected Notice to Proceed Date August 1, 2016
- Projecting AP completion in December 1, 2016
- Note: This is an Advance Planning Submittal with option to retain firm for full design services.

## Submittal Format

- No larger than 12 ½” in height x 9 ½” in width
- Provide 5 printed copies & 1 digital copy
- 50 page limit (25 double sided)
- Page limit includes all printed pages, but not covers, tabs, clear covers, blank pages, cardstock backs, etc.
- Page count will be derived from digital copy, so omit all blank pages from the digital version

# Submittal Organization

- Provide Information in the following Order:
  - A. Required Submittal Cover Sheet
  - B. Designer's Supplemental Information Form (or Designer's Staffing Information Form)
  - C. Cover letter (optional)
  - D. SF330 Part I & II (Make sure to fully complete and submit both parts!)
    - **Note: please list square foot cost for projects shown in bold print!**
  - E. Supplemental Information organized into 10 categories with subheadings matching the 10 Designer Selection Criteria

# Selection Criteria

**Submittals must clearly provide information for each category below utilizing the numbering system and categories for the submittal subtitles.**

- (1) Specialized or appropriate expertise in this type of project.
- (2) Past performance on similar projects, preferably Higher Education Science Facilities.
- (3) Adequate staff and proposed design or consultant team for the project.
- (4) Current workload and State projects awarded.
- (5) Proposed design approach for the project including design team and consultants.
- (6) Recent experience with project costs and schedules.
- (7) Construction administration capabilities.
- (8) Proximity to and familiarity with the area where project is located.
- (9) Record of successfully completed projects without major legal or technical problems.
- (10) Other factors that may be appropriate for the project.

**LESS IS MORE**

# Project Overview

## Project Budget

- Total Project - \$96M incl. soft costs
- Construction Cost - \$70M

## Project Size

- 120,000-150,000 GSF of Science
- 4 Stories
- Separate Regional Utility Plant
- Possibly a Data Center (not in above budget, \$2.5-4M would be added if this materializes)



## General Project Information

- Science Space Utilization Study by Creech & Associates with Dober Lidsky Mathey and HERA as lab consultant will complete in July 2016
- Detailed Programming will be part of Advance Planning
- **Your RFP should provide detailed information about the process you intend to use during programming to help us determine our needs relative to our goals**
- We have more goals than we can achieve within our budget
- You will need to work with us and our stakeholders to determine the most effective use of our new space

# **Science Building**

## **Mission Statement**

*The new Science Building will foster and support interdisciplinary science education and research, provide a collaborative environment for students and faculty, and be a symbol of UNC Charlotte's commitment to science education.*

# Primary Objectives

## Science Building

- Cutting Edge Facility that includes the latest technology and national trends in the field.
- STEM interdisciplinary instructional and research space for UNC Charlotte's growing student population and research activities.
- The new facility will integrate undergraduate instructional laboratories, research laboratories, faculty offices, graduate student work space and collaboration space into a unified center for learning and research.
- Accommodations for multiple disciplines

# Primary Objectives Science Building

Academically, the building will foster and support:

- Interdisciplinary Science Education
- Interdisciplinary Faculty Research
- Student Research
- Interaction among Faculty and Students
- Showcasing Science Disciplines and Activities

The design of the new building will promote:

- Enhancement of the Campus
- Effective Use of Resources
- Adaptability and Flexibility
- Sustainability

# **Design Team Qualifications**

## **Science Building**

- **Expertise in Higher Education Science Facilities, specifically in STEM interdisciplinary instructional and research space**
- **Knowledge of current national trends in higher education science**
- **Expertise in active classroom design**
- **Experience with flexible undergraduate and research labs for multiple disciplines**

# Primary Objectives

## Regional Utility Plant

- Steam Plant to be demolished currently provides steam for 8 buildings
- New RUP will provide hot and chilled water for Science, hot water for 6 other buildings, and chilled water for 4 other buildings.
- Existing Steam lines will need to be removed or abandoned in place
- new hot and chilled water lines will need to be provided
- RUP will need capacity for future expansion

# Design Team Qualifications

## Science MEP & Regional Utility Plant

- Experience with **Higher Education Science Facilities**
- Knowledge of **proper lab pressurization** (positive to outside and negative to hallways)
- Experience with **science fume hoods and related Exhaust, lab conditioning**
- Experience with **proper lab humidification**
- Experience with **Regional Utility Plants and 4 pipe boiler/chiller systems**
- Experience with **North Carolina SCO**

# General Design Team Qualifications

- Show us **Sample Projects and Details that were designed by the proposed project team**
- Firm experience is much less relevant if the individuals on the design team did not participate in the project
- Show us Sample Projects that demonstrate prior collaboration of the entire design team –

## **TEAM EXPERIENCE**

- **SF330-Section G Matrix**
- Team experience is especially important between Lead Designer, Science/Lab Expert, and MEP Engineers



# Project Timeline

- Regional Utility Plant
  - Advance Planning to be Complete September 2016
  - Design, Construction Documents and Bidding to be Complete by May 2017
  - Construction June 2017-June 2018
- Science Building
  - Advance Planning to be Complete December 2016
  - Design, Construction Documents and Bidding to be Complete by May 2018
  - Construction June 2018-June 2020
- **Confirm your Team availability for the Projected timeline**

# Existing Project Site



# Cleared Project Site



**QUESTIONS ?**



