

MEETING NOTES

SUNY College at Oswego
Renovations/Additions to Science Engineering and Technologies – Phase One
SUCF Project 10340
CannonDesign Project 003024.00

Meeting Date: May 1, 2008
Meeting Time: 10:00 a.m.
Location: SUNY College at Oswego
Sheldon Hall, Room 328

Attendance:

Boston			
New York	Tom Simmonds	SUNY Oswego	Simmonds@oswego.edu
Baltimore	Jerry DeSantis	SUNY Oswego	Jdesant@oswego.edu
Washington DC	John Moore	SUNY Oswego	JMoore3@oswego.edu
Buffalo	Casey Raymond	SUNY Oswego	Craymond@oswego.edu
Toronto	Ken Hyde	SUNY Oswego	Hyde@oswego.edu
	Rameen Mohammadi	SUNY Oswego	Mohammad@oswego.edu
Chicago	James MacKenzie	SUNY Oswego-Biolog. Science	jmackenz@oswego.edu
St. Louis	Larry Fuller	SUNY Oswego-Chemistry	Fuller@oswego.edu
Calgary	Kestas Bendinskas	SUNY Oswego-Chemistry	bendinsk@oswego.edu
Vancouver	Fred Scoles	SUNY Oswego-Chemistry	Scoles@oswego.edu
Victoria	Jim Pagano	SUNY Oswego-Chemistry	pagano@oswego.edu
San Francisco	Rachid Manseur	SUNY Oswego-Comp. Science	manseur@oswego.edu
Los Angeles	Scott Roby	SUNY Oswego-Earth Sciences	Roby@oswego.edu
	Bob Ballentine	SUNY Oswego-Earth Sciences	ballenti@oswego.edu
Shanghai	Al Stamm	SUNY Oswego-Earth Sciences	Stamm@oswego.edu
	Scott Steiger	SUNY Oswego-Earth Sciences Meteorology	Steiger@oswego.edu
	Magdalena Mosbo	SUNY Oswego-Mathematics	mosbo@oswego.edu
	Alok Kumar	SUNY Oswego-Physics	Kumar@oswego.edu
	Bruce Zellar	SUNY Oswego-Physics	bzeller@oswego.edu
	Andy Nelson	SUNY Oswego-Rice Creek	Anelson@oswego.edu
	Paul Taylor	SUNY Oswego-Campus Tech.	Taylor@oswego.edu
	Eric Foertch,	SUNY Oswego -Environ. Health & Safety	foertch@oswego.edu
	Punit Jain	Cannon Design	Pjain@cannondesign.com
	Chris Less	Cannon Design	Cless@cannondesign.com
	Mike Mistriner	Cannon Design	Mmistriner@cannondesign.com
	Kelly Hayes-McAlonie	Cannon Design	Khayes@cannondesign.com
	Mike Agate	Cannon Design	Magate@cannondesign.com

The purpose of the meeting was to meet with the Science Planning Committee to discuss the status of SUCF Project 10340 – Renovations/Additions to Science Engineering and Technologies – Phase One at the SUNY Oswego campus. The following items were discussed:

1. Casey Raymond provided a brief history of the project and confirmed the total project budget is \$110,000,000. The budget accounts for all project costs including moving, utilities & roads, surge space, etc.
2. The program study is being finalized by SWBR Architects and will be distributed shortly. Once received the next step will be program verification and the beginning of conceptual design, looking at the project as a whole and not independent phases.
3. During the program verification phase the program will be validated and revised with additional input from faculty and staff. It is the responsibility of everyone involved to assist in the verification to ensure the programs accuracy.
4. An advisory committee has been established that includes Tom Simmonds, Casey Raymond, Ken Hyde and Rameen Mohammadi. Rameen has recently joined the committee at the request of the provost.
5. Rameen Mohammadi is returning to the project after being a part of initial discussions in the late 1990's. He will deal with issues and concerns that need to be addressed at the provost level. Rameen expressed the following thoughts that will be considered as the project continues to develop:
 - The current program does not reflect the use of the labs correctly. Their utilization and scheduling needs to be understood and accurately accounted for to ensure the appropriate number and space is provided.
 - Productivity in teaching, research, etc must be maintained throughout construction to ensure people can continue to teach and work with the least amount of impact to the school.
6. Casey Raymond provided the following timeline for program verification and conceptual design:
 - May: Receive and review SWBR Program Study
 - June: Program verification
Faculty workshops (electronic versions will be available to those unable to attend)
 - September: Conceptual design presentation to faculty. There will be 3 conceptual designs.
 - October: Conceptual design submission to the State University Construction Fund
7. The project requires LEED Silver level certification; however, LEED Gold certification is desired and will be the initial goal.

8. Cannon Design provided a power point presentation that focused on Expertise/ Experience, Key Trends in Academic Science Facilities, and the Design Process.
9. Key Trends in Academic Science Facilities:
 - Flexible, Adaptable & Cost Effective
 - Modular Planning
 - Open Labs
 - Convertibility
 - Foster Collaboration
 - Research Neighborhoods,
 - Science on Display
 - Discovery & Learning
 - Clear views into labs
 - Enhances security
 - Allows for light
 - High End Technology
 - Team Home Bases
 - Brainstorming Center
 - Wireless
 - CAD Imaging
 - Virtual Reality
 - Digital projectors & laptops
 - Data access everywhere
 - Maximizing Efficiency
 - Translational Research Environment Characteristics:
 - Flexibility
 - Functionality
 - Economy
 - Improved Engineering Technology
 - Future Convertibility
 - Dry lab to wet lab
 - Access to utility infrastructure
 - Decentralization of certain lab systems

- Sustainability
 - Daylighting
 - Water conservation
- Energy efficiency
 - VAV fume hood systems; energy recovery; occupancy sensors; air quality sampling
- BIM (Building Information Modeling)
 - Prescriptive Design
 - vs.
 - Performance Modeling
 - Day lighting
 - Solar Shading
 - Heating and Cooling Loads
 - Energy Simulation
 - Life Cycle Cost Analysis
- Sustainable Design
 - Sustainability Resources
 - LEED
 - Labs 21
 - NYSERDA

10. Design Process

- Interactive Design & Planning Workshops
 - Integrated Planning Process
 - Consensus Building
 - Broad Based Participation
- Schedule
 - *Program Verification/ Concept Design*
 - May 1 Orientation Meeting
 - Mid-May Meeting with the Faculty Leadership to discuss the final program study and concerns.
 - June Faculty Workshop on Design Options
- Collect outstanding faculty program input & begin discussing concepts.

- September Presentation of Design Options
- Mid-September Finalize the Design Options
- Early October Concept Design Report Submitted

11. Design Considerations

- General Considerations
 - Building can reinforce and fulfill the mission statement of the Sciences
 - Facilitate and promote a culture of collaboration and interdisciplinary clusters in the architecture
 - Continue the momentum of high quality architecture established on the campus through several ongoing projects
 - Create an image of innovation and creativity working within the cost framework of the project.
- Campus Design Issues
 - Connection and coordination with overall campus planning
 - Develop a plan that strengthens the adjacent quadrangle
 - Extension of the Student Spine through Science
 - Reinforcement of the campus design vocabulary
- Building Design
 - Create an innovative image for the sciences to improve recruitment and retention of both students and faculty.
 - Enhance the future flexibility of the facility to enable program change through time.
 - Maximize the day lighting opportunities and views of the campus and the lake.
 - Target the LEED Gold Rating for the facility through the Sustainability Workshop.
 - Establish ongoing green initiatives that become learning tools for the program and offer opportunities for student participation and curriculum development.
 - Create a plan for construction that eases the transition into the new facility and minimizes disruption of key programs and research.
- Campus Considerations
 - Look for opportunities to enhance the student environment
 - Reinforce the long term goals of the campus
 - Extend the Campus Spine to the Sheldon Quad.

- Physical Constraints
 - Work with the existing context to create a building the “fits” in the Oswego Campus
 - Create a new identity for the Sciences that attract students and faculty.
- Climate Considerations
 - Capitalize on the local knowledge and study of the micro-climate at the Campus
 - Work *with* the climate to enhance energy efficiency, comfort and program goals.
 - Create opportunities to demonstrate building energy usage and impact of the green initiatives.

Following the presentation the following items were discussed.

12. The climate needs to be analyzed and addressed with the building design. In particular the sun (in regards to solar gains and glares) and wind. The wind study should include a rooftop study as it is also used as a learning environment.
13. Wind energy (turbines, etc.) and natural ventilation should be studied as integration with the site.
14. The meteorology department has data collection records that can be utilized in climate study and analysis.
15. Some frustration was expressed by faculty due to the numerous times information was provided for inclusion in the program study and the faculty is still not seeing it in the program study documentation. The workshops and user group meetings will allow for additional input and discussion to ensure the proper program is provided.
16. Rice Creek Station was built in the 1960's at ½ the size that it was intended to be. Faculty expressed concern that it is vital for community outreach, is in need of renovation and is currently too small to function as a teaching space. Additional suggestions included it being considered for the Biology program and research as well as possible surge space. Program verification will include Rice Creek Station and it will continue to be part of the project.
17. Astronomy faculty noted that their program has increased service to the general education programs and the amount of Astronomy students has tripled which needs to be accounted for in the program verification. Astronomy would also like to consider Rice Creek for an observatory location.
18. The roof of the science building is an active environment. Programs that use the roof include Meteorology (NW corner preferred), Astronomy (most sky available from obstructions) and Biology (possible greenhouse location). The roof activity also needs to be considered with its relation to venting.

19. HVAC system design needs to address interior as well as exterior environments. Engineering systems (white noise) should not distract teaching space. Cannon Design will address migration of mechanical noise in the system design. LEED checklists also address interior environments.
20. Interior comfort will be addressed with air conditioning (heating and cooling) in addition to natural ventilation.
21. Faculty expressed concern over the reduced number of labs being proposed. SUNY Oswego reiterated student success is paramount and there must be sufficient lab space without overcrowding. The program verification phase including workshops that will address the programs, needs and subsequently the required number of labs.
22. Cannon Design would like to include student participation in the design process with participation in workshop(s) and feedback through electronic communication, etc. SUNY Oswego also wants to keep the community informed about what is happening with the project.
23. The advisory committee (Tom Simmonds, Casey Raymond, Ken Hyde & Rameen Mohammadi) welcome all comments and questions and will go to whatever lengths required to provide answers.

To the best of my knowledge, the above items were discussed. Should there be any additions or corrections, please advise this office prior to the next scheduled meeting, otherwise these notes will be considered accurate.

Submitted by
CannonDesign



Michael W. Agate, AIA
Associate Vice President