

PROGRAM VERIFICATION MEETING NO. 3 / SEPTEMBER 10, 2014 – DESIGN COMMITTEE

MEETING START TIME: 10:45 a.m.
 MEETING END TIME: 12:15 p.m.

PRESENT:

Maura Donnelly	UW-System Administration (Tele)	Val Schute	River Architects
Heidi Macpherson	UW-La Crosse	Mike Adler	River Architects
Doug Pearson	UW-La Crosse	David Johnson	SmithGroupJJR
Bruce Riley	UW-La Crosse	Jeff Kocinski	SmithGroupJJR
Aaron Monte	UW-La Crosse	Nikki Taylor	SmithGroupJJR
Julia Johnson	UW-La Crosse	Andrew Cherry	SmithGroupJJR
Karoline Auby	UW-La Crosse		
Cynthia Berlin	UW-La Crosse		
Mike Abler	UW-La Crosse		
Eric Gansen	UW-La Crosse		

NOTES:

1. David Johnson – schedule review
 - a. The primary focus of Program Verification Meeting No. 3 will be to review the results of Program Verification No. 2 and to identify any possible efficiencies or duplications.
 - b. The next step will be to complete the program with conceptual blocking diagrams.

2. What we heard...
 - a. Need to review, measure, and balance the program and budget.
 - b. Offices
 - i. Faculty growth – what was planned in 2011 has already been achieved. Need to accommodate 2020 growth projections.
 - ii. Touch-down seating outside of the research laboratories opportunities.
 - c. Additional space requests for instructional laboratories were requested by some departments.
 - d. Shared support and storage space as well as a university project to locate field equipment outside of the building are under consideration for reduction of building program.
 - e. There was a positive response from the departments to Thematic Research Organization.
 - f. Goal is to get a more efficient use of space.
 - g. 200,945asf– Pre-Design vs. 209,840asf after Program Verification No. 2
 - h. Efficiency: ASF vs GSF – GSF includes walls, toilet rooms, elevators, corridors, mechanical spaces, etc. SGJJR provided a comparison to other science facilities – average of 60% efficiency is in line with others.

3. Projected Utilization:
 - a. Five introductory labs are projected to be used more than 30 hours per week.
 - b. Ten labs are projected to be used less than 20 hours per week.
 - c. Eric Gansen noted that the room hours only include the teaching time...users elaborated on the relatively large time investment for setup.

- d. Mike Abler noted that open lab time is also not accounted for in the room utilization. David Johnson noted that the 24 hours per week helps account for that.
 - e. Maura Donnelly noted that the utilization models that are being used reflect the idea that the class lab is used for teaching and research is used for research. Currently, class labs may also be used for research because there is no space.
 - f. Aaron Monte – Current use of 30 to 33 weekly room hours in Chemistry labs.
 - g. Committee members expressed concern that the Paulien study of projected utilization doesn't take into account open lab time, setup, etc.
 - Weekly Room Hour (WRH) targets were noted to be operational in nature, and not changeable for RA/SGJJR.
 - WRH target models of 24 vs 32 hours are nationally applied, and are not unique to Wisconsin.
 - Labs are projected at fewer WRH than classrooms because of setup and operational issues, ad hoc time for students, and other factors.
 - Dedicated research space may help solve some of the current issues stemming from cohabitation of instruction and research.
4. Project Cost:
- a. Phase 1 construction budget: \$63,894,000 is a fixed amount.
 - b. Cost estimator has projected a construction cost of \$67,422,689.
 - c. Cost model for program verification no. 2 estimated to be \$71,957,456.
 - d. David Johnson noted that we are early in the process as design develops, efficiencies are likely to be found.
5. Options were presented for combining class labs for greater utilization.
- a. Aaron Monte commented on Chemistry options.
 - b. Eric Gansen – studio lab spaces are used for projects and are heavily equipment dependent.
 - c. Reduction from two labs to one in Geography & Earth Science would be less than the current condition and insufficient per Cynthia Berlin.
 - The Intro lab was explained as support for other geotechniques programs.
 - Advanced GIS lab in the predesign study was described as the only true GIS lab.
 - Operational obstacles were identified with station-specific licenses for GIS/other specialty software.
 - d. Physical Chemistry was identified as a combination candidate.
 - Organic Chemistry and Biochemistry cannot be reduced below current state sizes.
 - e. SGJJR proposed a hybrid/combined lab type with multiple prep areas.
 - 3-4 setups could be cycled based on instructional need.
 - Staffing was identified as a potential constraint, but is an institutional issue.
 - f. Studio labs were described by the committee as "workshop labs".
 - Labs are characterized by extended sessions, high equipment use.
 - Activities are a combination of lecture, demonstrations, & activities.
 - Setup/turnover time prohibitive to sharing these labs.
6. Research Lab Space Allocation
- a. Microbiology, Physics, Radiation Center, and River Studies

7. Specialty Lab Potential:
 - a. Possible efficiency in merging specialty areas into close proximity to one another.
 - b. Maura Donnelly – least desirable to defer these to Phase 2 as mentioned. Shelled space option was discussed. Offsetting cores to Phase 2 was deemed undesirable by the design team and the committee. Delaying these MEP-intensive spaces could be problematic.
 - c. Reuter Hall was mentioned as an example of successful expansion.
 - A wing-based linear add-alternate approach was used to procure additional space and expand systems.
 - d. The ability to expand was noted as a critical factor for the upcoming design.

8. Space Module
 - a. 10'-8" proposed by SGJJR to align with masonry sizing likely to be used in the building.
 - b. Module layout examples were presented.
 - c. Research and support space layout concepts were presented.
 - d. Existing computational research efforts involve large workstations with up to 5 monitors.

Meeting Notes by: River Architects and SmithGroupJJR

This constitutes our understanding of the issues presented. Contact River Architects, Inc. via phone at (608) 785-2217, or e-mail m.adler@river-architects.com if there are any discrepancies.