Spring/Summer 2022
Building Manager Meeting

Facilities Planning & Management
June 15, 2022
Some Housekeeping...

- This meeting is being recorded.
- Meeting materials (including the recording) will be posted in 2-3 days. We’ll notify you.
- Please mute your microphone.
- Ask questions in the Chat
- We will answer as many questions as possible during the Q&A
Meeting Agenda

- Opening Comments (Bogan)
- Facility Planning & Delivery Interim Leadership (Bogan)
- Campus Planning Update (Williams)
- Fiscal Year End and Funding & Summer Remodel Construction (Bogan)
- Summer Road Construction (Kennedy)
- Summer Exterior Construction Work (Beilman)
- Electronic Access Control Replacement Project (Ellis)
- Emergency Management (Porter)
- Electrical Demand Update (Hanson)
- Key Request Procedures (Mayer)
- Facilities-related Insurance Claims (Marlette)
- Capital Projects Update (Bucci)
Facility Planning & Delivery Interim Leadership

A team approach

- **Capital Planning** - Holly Laux O’Higgins
- **Project Delivery** - Bob Bucci, Matt Collins, Randi Smith
- **Space Management** - Brent Lloyd
- **Campus Planning & Landscape Architecture** - Aaron Williams
Welcome, Aaron Williams
Interim Director, Campus Planning & Landscape Architecture

• Worked with FP&M for seven years as Assistant Campus Planner and Zoning Coordinator.

• Member of the City of Madison Board of Public Works, Lake Monona Waterfront (LMW) Ad-Hoc Committee Member, UW-Madison Design Review Board Member, Joint Campus Area Committee. Staff to Campus Planning Committee

• UW-Madison graduate
As Interim Director CPLA

- **Campus Planner** – Develops, manages, and maintains the comprehensive Campus Master Plan and sub-master plans.

- **University Landscape Architect** – Technical resource for all site and landscape architecture planning and design.

- Assists Capital Planning with the biennial capital budget

- Facilitates and manages municipal zoning and entitlement approval processes, as well as community outreach and neighborhood review processes,

- Coordinates physical facilities access and ADA accommodations and promotes universal design in all new and remodeled facilities.
Campus Planning Update

Aaron Williams
Campus Planning & Landscape Architecture
Survey Input Request

Campus Exterior Graphics, Wayfinding and Signage Policy/Design Guidelines

Approved nearly 20 years ago, the UW-Madison Exterior Graphics, Wayfinding and Signage Policies and Design Guidelines has successfully served as the framework to implement and maintain a comprehensive, unified exterior sign system that meets the wayfinding and communication needs of the university’s many and diverse constituencies. It includes our gateway signs that welcome visitors to campus, the building and direction signs that navigate people on campus, the banners that celebrate our institution’s anniversaries, and the smallest of plaques identifying a campus amenity.

It is time to review and update the policy. The Campus Planning Committee has approved a workgroup to carry out that task. The goal of this update is to ensure our exterior sign policy meets the evolving wayfinding needs of campus constituencies, incorporates new best practices and lessons learned, and ensures Facilities Planning and Management can continue to implement and maintain the system.

NOTE: This process is not a major overhaul and redesign of the signage system, the look and feel will not change.
Survey Input Request

Campus Exterior Graphics, Wayfinding and Signage Policy/Design Guidelines

We are requesting your feedback to the Work Group through one or all of the following methods:

• Fill out the short survey that will be emailed to the Facility Managers google group.

• Email your feedback to Jonathan Bronk at jonathan.bronk@wisc.edu. Please put “Exterior Wayfinding Policy Feedback” in the subject line.

• Attend our virtual meeting and “Open House” (virtual link will be provided in ‘Survey Request’ email to Facility Managers) on June 30th, 2022 from 9:00am to 11:00am (15-minute presentation at 9am, then open floor for feedback).

Please provide your feedback by July 1, 2022.

You can refer to the survey questions to help you prepare for the virtual open house or to send your feedback via email.

Thank you in advance for your feedback. We look forward to hearing from you!
Fiscal Year End and Funding
Summer Remodel Construction

Jim Bogan
Physical Plant
Fiscal Year End and Funding

Facility Managers responsible for maintaining funding on Physical Plant customer numbers (B#’s).

- Please remember to review and update funding for FY23.
- To help you review your various customer numbers and the associated funding, please see report 1008 – Cust No Funding.
- Any funding changes for FY23 must be submitted using the Customer Number Request/Update form located at: https://facilities.fpm.wisc.edu/customer-number-form/.

If you have mass changes, please contact fpmbop@fpm.wisc.edu.
A Gantt chart is a type of bar chart that illustrates a project schedule, named after its popularizer, Henry Gantt (1861–1919), who designed such a chart around the years 1910–1915.

From: https://en.wikipedia.org/wiki/Gantt_chart
92 projects overall, 29 summer priority projects
Summer Road Construction

Rob Kennedy
Transportation Services
Summer Exterior Construction Work

Kurt Beilman
Physical Plant
Planning

The Facility Specialist Team meet regularly beginning right after the new year to compile, prioritize and plan work to be completed in the summer construction season.

Issues are identified through targeted inspections, communications with Building Managers, Tradespeople, Students and Staff and sometimes just through the day to day travels through campus.

A yearly budget is established for the various categories of work based on our ability to complete the work in the time allotted (i.e. summer break between the spring and fall semesters).
Categories/Examples of Work

**Masonry Repairs** - Observatory Drive hairpin wall - tuckpoint wall so as to prevent water infiltration

**Asphalt/Roads** - Mill and overlay Lake Mendota Drive to University Bay Drive

**Roofing** - Walnut Heating Plant Roofs
  Chancellors House and Brittingham Istate Repairs of porch built up roofs
More Examples

**Carpentry** - Ag Research Station Spooner Window Replacement

**Exterior Painting** - Rust Schreiner exterior elevations & tuckpointing of masonry

**Glazing** - Recurring leaks on curtain walls at
  - Biochemistry
  - Memorial Library
Electronic Access Control Replacement Project

Lt. Jeff Ellis
UW Police Department
Background

• The University of Wisconsin-Madison has been using Schneider Electric’s Andover Continuum electronic door access control system since 2004. RFP was completed to replace Andover due to discontinuing support.

• Scope- Replace all of Andover Continuum enclosures and components with Lenel Onguard.

• Project began May 2021.
Overview

• Original completion date was July 2022.
• New completion date is April 2023.
• Project is nearing 60% completion.
• Adding additional doors
  • Follow current process of submitting a scope report request to UWPD.
  • Submit a work order from Physical Plant.
Emergency Management

Eric Porter
UWPD Emergency Management
Occupant Emergency Plans

New EM Specialist managing OEPs - Eric Porter
  eric.porter@wisc.edu  https://uwpd.wisc.edu/services/emergency-management/

-OEP required for all campus facilities with 10 or more fac/staff or that host/house students
-Plan reviewed & updated annually
-EM team available to assist, train, and drill
  Plan review and specific drills/exercises
Active Threat -  https://uwpd.wisc.edu/staying-safe/active-threat-training-request/
CPR - email em@uwpd.wisc.edu
Electrical Demand Update

Mike Hanson
Physical Plant
Electrical Demand–Summer 2022

• North American Electric Reliability Corp (NERC) report
  • Midcontinent Independent System Operator (MISO) projecting 5 Giga-Watt shortfall in firm capacity this summer
  • Shortfall depends on Renewable Energy availability
• Electrical grid outages due to extreme weather events:
  • Unplanned (Blackouts) - no control
  • Controlled Power shutoffs (Brownouts) - controlled
• FPM Plan for Brownouts
  • Local utility will request campus electrical load demand reduction
  • Energy reduction required – Heating/Cooling Plants and Buildings
  • Emergency Generators Operating
Key Request Procedures

Craig Mayer
Physical Plant
Key Request Procedures

• Locksmith work area relocated from the Service Building

• Key request similar to other work request
  • Key Request Ready tile

• Keys will be delivered to the end user
  • Campus Mail
  • Other
Key Request Procedures
Key Request Procedures

Standard Key Request

Is this request for a master key?
- Yes
- ✅ NO

Is this a Physical Plant Internal Request?
- Yes
- No

Select the type of property:
- building (buildings, parking ramps)

What should the key provide access to? You will be selecting a building floor and room 1 on the next page. You do not need to include that information here.

Examples: Office, File Cabinet, Storage Closet, etc.

Enter the key code if you have one.

How many do you need?

Enter the departmental customer number for this work.

Cancel Next
Facilities-related Insurance Claims

Silvie Marlette
Physical Plant
Facility Related Property Loss Claims

Facility damage caused by severe weather, flooding, fire, power outage, etc.

The State self-funded property program is administered through the Bureau of State Risk Management, in the Wisconsin Department of Administration, coordinated by UW-Madison’s Risk Management Office Property and Equipment – Division of Business Services – UW–Madison (wisc.edu)

PHASE ONE – Alert and Notification

PHASE TWO – Investigation and Mitigation

PHASE THREE – Assessment and Planning

PHASE FOUR – Facility Repairs & Content Repairs/Replacement

PHASE FIVE – Closeout & Reporting
ACTIVE FACILITIES-RELATED INSURANCE CLAIMS (LOSS EXCEEDING $25K)

All work to address claims incurred prior to January 1, 2022, is substantially complete, with two exceptions:

- Wind damage (April 11, 2021). UW Medical Foundation Centennial Building roof components blew off. Repairs are in-process, completion expected by August 2022. Approximate cost: $165K.
- Wind damage (December 15, 2021). Multiple properties, six main campus buildings and multiple Agricultural Research Station locations. Repairs are in-process, completion expected by November 2022. Approximate cost for all location: $50K.

Since January 1, 2022, there were fourteen water related events, one wind event, and two property-related events totaling approximately $360K. Small claims (<$25K) are not included below.

- Water Damage (February 7, 2022) Hydrostatic heating system failure that caused pipe to freeze and crack at Chemistry. Mitigation and repair work complete. Approximate cost $30K
- Water Damage (February 14, 2022) Failed sump pumps in sanitary crock filled basement level with approx. 8” of liquid in eastern half of Water Science building. Repairs are complete, less replacement lab casework with a long lead time. Completion expected by January 2023. Approximate cost $110K
- Property Damage (February 14, 2022) Excess steam traveling through condensate drain line into mechanical room and adjacent spaces at Law Building. Repairs are complete, less replacement of doors with a long lead time. Additional potential loss recently reported, State Adjuster review is in-process. Estimated cost and completion date subject to change with additional scope. Completion expected by July 2022. Approximate cost $40K
- Water Damage (May 3, 2022) Failed backflow preventer flooded interstitial space and B2000 level at Biochemical Sciences. Most of the repairs are complete. Patch and paint of ceiling remains, confirming paint color. Completion expected by August 2022. Approximate cost $40K
- Water Damage (May 27, 2022) Supply hose connection serving a drinking fountain sheared loose at Genetics Biotech. The drinking fountain was located in hallway 3400L, near 3434. Water traveled to first floor. Mitigation is complete. Repairs include patch and paint, replacement of vinyl base and ceiling tile. Completion expected by August 2022. Approximate cost $30K

All currently open claims sum to an estimated $478k with 4 property damage, 6 water damage, and 3 wind damage claims.
Capital Projects Update

Bob Bucci
Facility Planning & Delivery
Capital Projects Update: Agenda

1. Strategic Priorities
   • 2023-29 Six-Year Capital Development Plan
   • Research Lab Renovation Delivery Program

2. Capital Projects Dashboard
   • Current Major Projects
   • Major Projects in Design
   • Major Projects in Construction
UW-Madison Capital Planning Process
2023-2029 Six-Year Capital Plan: Summary

Key Issues, Themes & Priorities
- Support Continued Growth in Engineering
- Enable Removal of Mosse Humanities Building
- Consolidate our Libraries & Return Space for STE(A)M Reuse
- Repair and Renovate our Historic Buildings

Total Capital Plan: $3.16 B
67 projects
(including G-G)
Research Laboratory Recovery Program

Underway
- Assessing lab spaces at the College of Engineering, College of Letters and Science, and the School of Medicine and Public Health
- Tracking 34 lab projects across campus. Of those, 14 are projects associated with recruitment and retention of faculty.

Upcoming
- Lab fit-outs and the resulting capital projects
- Funding: revolving fund managed by the Madison Budget Office and FP&D/Capital Planning

Program Design
- Working with System to establish a ‘stable’ of A/Es on-call specific to Lab Delivery
- UW Managed program (grant funding)
Current Major Projects

Recently Completed
1. WIFR- West Wing
2. Linden Dr Parking Facility
3. Field House Renovation & South Plaza
4. Witte Hall Addition & Renovation
5. Meat Science & Animal Biologics Discovery
6. Red Gym Renovations

Major Projects in Construction

State Projects
7. Charter St Chilled Water Valves
8. Site Utility Steam Distribution Pitts
9. Bascom Hill/Lincoln Dr Utilities, Ph 2
10. South Campus Utility Improvements
11. Babcock Dairy Plant and CDR Renov
12. Camp Randall Stadium South Endzone
13. Sellery Hall Addition & Renovation
14. SEERF Replacement (The Nick)
15. Gymnast Replacement
17. Chemistry Building Addition & Renov
18. Kohl Center Addition

UW Managed Projects
18. Zoology 1st Floor Winge Lab Renov
19. Chemistry 2nd Floor Winge Lab Renov
20. Chamberlin Hall 6th Floor Weaver Lab
21. Weiers Hall 4th Floor Cotton Lab Renov
22. Biophysics Cyto-Electron Microscopy
23. MBC Kinesiology Renovation
24. Dott Digital Publishing & Printing Services Renovation*
25. PPAM Phylos Plant Renovation & Renov
26. 21 N. Park Street Adv Plan & Renov

* = off campus

Major Projects in Design

State Projects
29. Engineering Replacement Building
30. WVDL, Benton County*
31. Levy Hall, L&S Academic Building
32. Engineering Drive Utilities
33. Bascom/Lincoln Dr Utilities, Ph 4
34. Johnson St Swim/Condesense Renov

UW Managed Projects
35. WIMR-Dock & Priester Ctr Renov
36. Engineering Hall Spreader, Ph 1
37. CDIS Building
38. Engineering Hall CBE Renovation
39. Memorial Union Addition & Renov
40. Ag Dean’s Renovations
41. Law School Renovations
42. Elvehjem Building Ext Envelope
43. WIFR Floors 4, 5 & 7 Renovations

40
Major Projects in Design: $752.4M

Project Breakdown

**State Capital Projects**
(Enumerated, more than $1M)
- Quantity: 5
- Total: $481,059,000 (64%)

**UW-Managed Projects**
(More than $1M)
- Quantity: 9
- Total: $271,367,000 (36%)
<table>
<thead>
<tr>
<th>Major Projects In Design</th>
<th>Total Cost</th>
<th>Funding Sources</th>
<th>Current Phase</th>
<th>Schedule</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Engineering Bldg. Replacement</td>
<td>$300,000,000</td>
<td>GG/GFSB</td>
<td>Design</td>
<td>Bid: Spring 2024</td>
<td>Sub. Completion Date: Summer 2024</td>
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<td>Engineering Dr. Utilities Replacement</td>
<td>$60,030,000</td>
<td>GFSB/PRSB</td>
<td>Design</td>
<td>Summer 2021</td>
<td>Fall 2024</td>
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<td>Levy Hall L&amp;S Academic Building</td>
<td>$88,441,000</td>
<td>GG/GFSB</td>
<td>Design</td>
<td>Mar 2023</td>
<td>Winter 2025</td>
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<td>WI Vet Diagnostic Lab - Barron</td>
<td>$9,555,000</td>
<td>GFSB</td>
<td>Design</td>
<td>Mar 2023</td>
<td>Apr 2023</td>
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<tr>
<td>South Campus Utility Improvements</td>
<td>$22,760,000</td>
<td>GFSB/PRSB/Cash</td>
<td>Design</td>
<td>Feb 2023</td>
<td>May 2024</td>
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<tr>
<td>Memorial Union Addition and Repairs</td>
<td>$5,000,000</td>
<td>GG</td>
<td>Design</td>
<td>Jul 2021</td>
<td>Apr 2022</td>
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<tr>
<td>New CDIS Building</td>
<td>$230,000,000</td>
<td>GG</td>
<td>Design</td>
<td>Demo: Mar 2022</td>
<td>Bldg: Nov 2022</td>
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<td>Eng. Hall CBE Inst. &amp; Research Lab Reno</td>
<td>$12,427,000</td>
<td>GG</td>
<td>Design</td>
<td>Apr 2022</td>
<td>Jun 2023</td>
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<td>WARF SMPH 4, 5 &amp; 7 Floors Renovation</td>
<td>$5,429,000</td>
<td>GG</td>
<td>Design</td>
<td>Oct 2022</td>
<td>Aug 2023</td>
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<td>DeLuca Biochemical Coon Lab Renovation</td>
<td>$2,000,000</td>
<td>GG</td>
<td>Design</td>
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<td>Feb 2023</td>
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<td>Elvehjem Building Envelope Renovation</td>
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<td>GG</td>
<td>Design</td>
<td>May 2022</td>
<td>May 2023</td>
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<td>Engineering Centers MOCVD Lab</td>
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<td>GG</td>
<td>Design</td>
<td>Feb 2023</td>
<td>Sept 2023</td>
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<td>WHAM Plasma Physics Elec. Upgrade</td>
<td>$1,562,000</td>
<td>GG</td>
<td>Design</td>
<td>Aug 2022</td>
<td>Nov 2022</td>
</tr>
</tbody>
</table>
| Law School 4th Floor Renovation         | $1,200,000   | GG            | Design        | Feb 2023        | July 2023
Major Projects in Construction: $867.1M

**Project Breakdown**

**State Capital Projects**
(Enumerated Only, More than $1M)
Quantity: 14
Total: $820,686,000 (95%)

**UW-Managed Projects**
(More than $1M)
Quantity: 12
Total: $46,445,000 (5%)
# Status Dashboard: Construction

<table>
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<tr>
<th>Major Projects in Construction</th>
<th>Total Cost</th>
<th>Funding Sources</th>
<th>Current Phase</th>
<th>Est Date</th>
<th>Lab Completion Date</th>
<th>Budget</th>
<th>Schedule</th>
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<tr>
<td>Gymnatorium / Natatorium Replacement</td>
<td>$126,391,000</td>
<td>GG/FP/PRSB</td>
<td>Construction</td>
<td>Dec 2020</td>
<td>March 2023</td>
<td>Green</td>
<td>Green</td>
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<td>Babcock Hall &amp; Center for Dairy Research</td>
<td>$72,609,100</td>
<td>GG/GF/PR/PR-Cash</td>
<td>Construction</td>
<td>Spring 2018</td>
<td>Oct 2023</td>
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<td>Camp Randall South End Zone</td>
<td>$71,646,000</td>
<td>GG/PR/PR-Cash</td>
<td>Construction</td>
<td>Various</td>
<td>Aug 2022</td>
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<td>Chemistry Addition &amp; Renovation</td>
<td>$133,100,000</td>
<td>GG/GF/PR/PR-Cash</td>
<td>Construction</td>
<td>Jul 2018</td>
<td>Jan 2022</td>
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<td>Veterinary Medicine Addition &amp; Reno</td>
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<td>Mar 2023</td>
<td>Dec 2024</td>
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<td>SERF Replacement Building (the Nick)</td>
<td>$96,941,000</td>
<td>GG/PR/PR/PR-Cash</td>
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<td>Sept 2022</td>
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<td>Lathrop Drive/Baascom Utility Repairs Phase I</td>
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<td>GF/PR/PR</td>
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<td>PRSB/PR-Cash</td>
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<td>Aug 2023</td>
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<td>Charter St Chilled Water Valve Replacement</td>
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<td>GF/PR/PRSB</td>
<td>Construction</td>
<td>May 2021</td>
<td>Mar 2022</td>
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<td>Field House Exterior Restoration and Plaza</td>
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<td>GG/PR-Cash</td>
<td>Construction</td>
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<td>Nov 2021</td>
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<td>Kohl Center Addition &amp; Renovation</td>
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<td>Jan 2022</td>
<td>Jul 2024</td>
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<td>Site Utility Steam Dist Pit 4/13-19/12 Repl</td>
<td>$6,728,000</td>
<td>GF/PR/PRSB</td>
<td>Construction</td>
<td>June 2021</td>
<td>Oct 2022</td>
<td>Green</td>
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<td>Site Utility Steam Dist Pit 59/10 to Ag Bulthn Repl</td>
<td>$6,582,000</td>
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<td>Construction</td>
<td>Feb 2022</td>
<td>Nov 2022</td>
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<td>Chamberlin Hall St Floor Weaver Lab</td>
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<td>Construction</td>
<td>Apr 2021</td>
<td>Feb 2022</td>
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<td>Chemistry 2nd Floor Wang Lab Renovation</td>
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<td>Oct 2020</td>
<td>Nov 2021</td>
<td>Green</td>
<td>Green</td>
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<td>Biochemistry Cryo-Electron Micro, Rano.</td>
<td>$2,400,000</td>
<td>GG</td>
<td>Construction</td>
<td>Mar 2021</td>
<td>Jan 2022</td>
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<td>Weeks Hall 4th Floor Dutton Lab Reno</td>
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<td>Mar 2022</td>
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<td>Biochemical Sciences Coon Lab</td>
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<td>Construction</td>
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<td>Feb 2023</td>
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<td>$4,239,000</td>
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<td>WIMR - Dock &amp; Primate Center Renovation</td>
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<td>Construction</td>
<td>Sep 2021</td>
<td>Jan 2023</td>
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<td>DiT Digital Publishing &amp; Printing Services Relocation</td>
<td>$2,212,000</td>
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<td>Construction</td>
<td>Sep 2021</td>
<td>Feb 2022</td>
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<td>PIPM Phys. Plant Reloc &amp; Reno Project</td>
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<td>Green</td>
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<tr>
<td>WHAM Plasma Physics Lab Elec/Cooling Upgrade</td>
<td>$1,562,000</td>
<td>GG</td>
<td>Construction</td>
<td>Feb 2022</td>
<td>Oct 2022</td>
<td>Green</td>
<td>Green</td>
</tr>
</tbody>
</table>

**KEY:** Green = Good, Yellow = Caution/Monitoring Issue, Red = Budget / Schedule at Risk
Questions?