

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)

Welcome

Jim Bogan Physical Plant

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 WilliamsCampus 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 <u>jonathan.bronk@wisc.edu</u>. 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

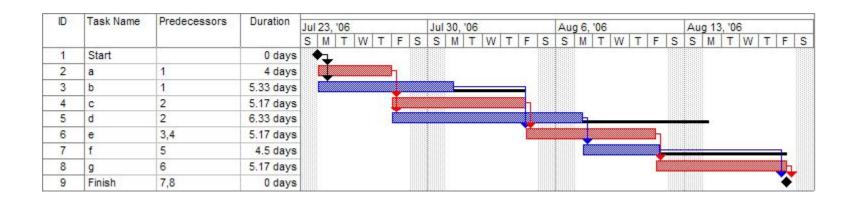
Facility Managers responsible for maintaining funding on Physical Plant customer numbers (B#'s).

- 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/.

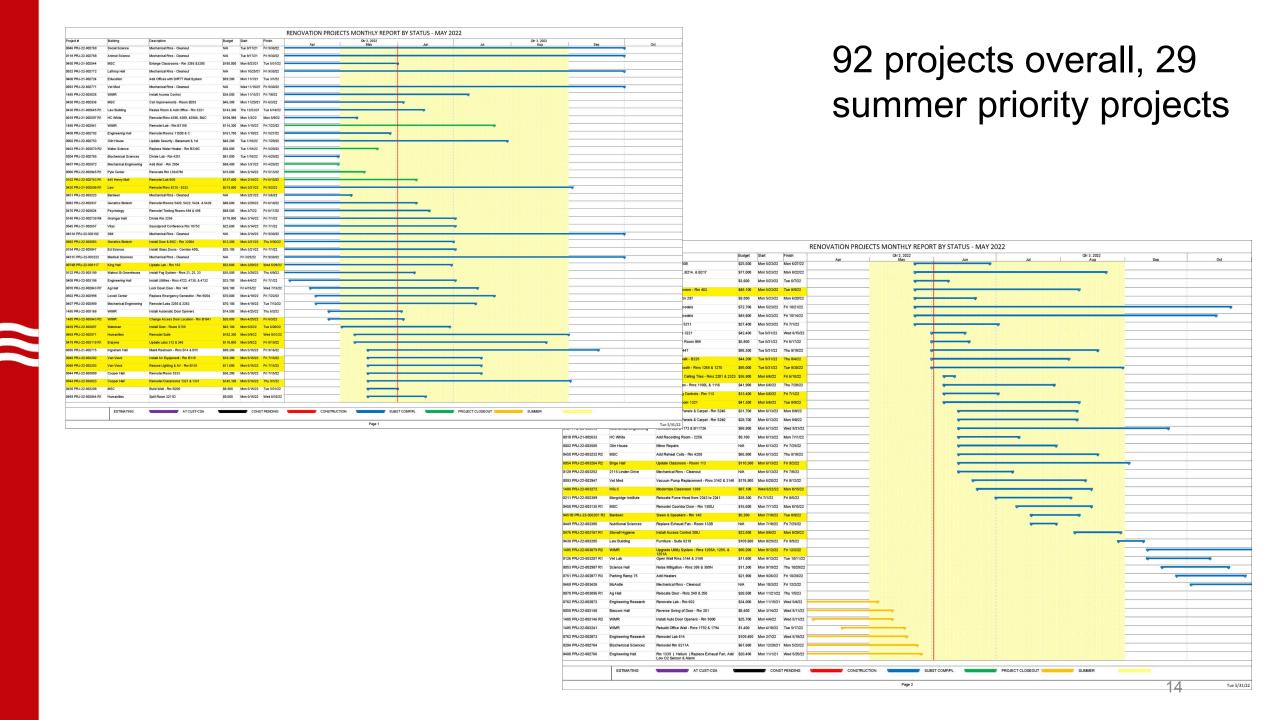
If you have mass changes, please contact fpmbop@fpm.wisc.edu.

Summer Remodel Construction

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.

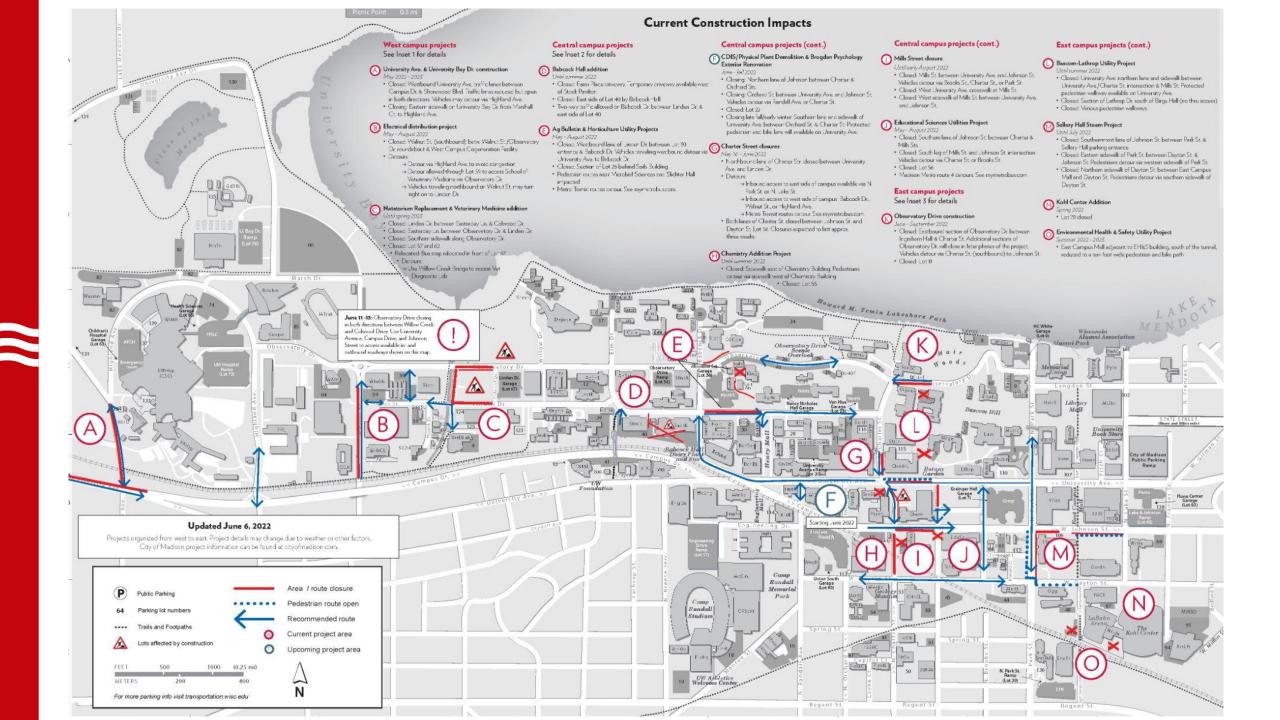


From: https://en.wikipedia.org/wiki/Gantt_chart



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

<u>Asphalt/Roads</u> - 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

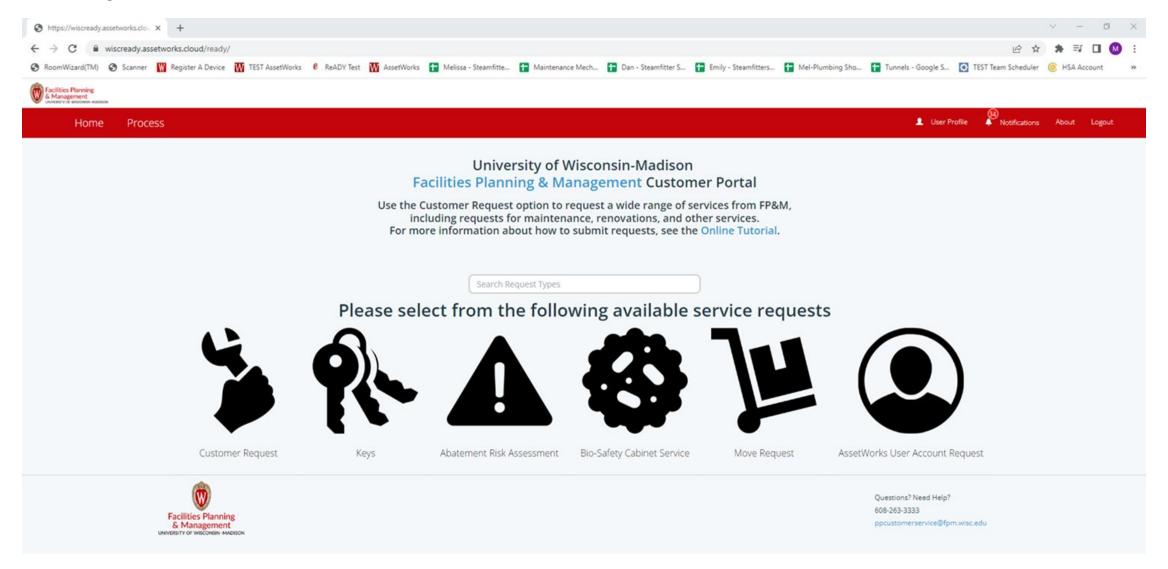
Mike Hanson Physical Plant

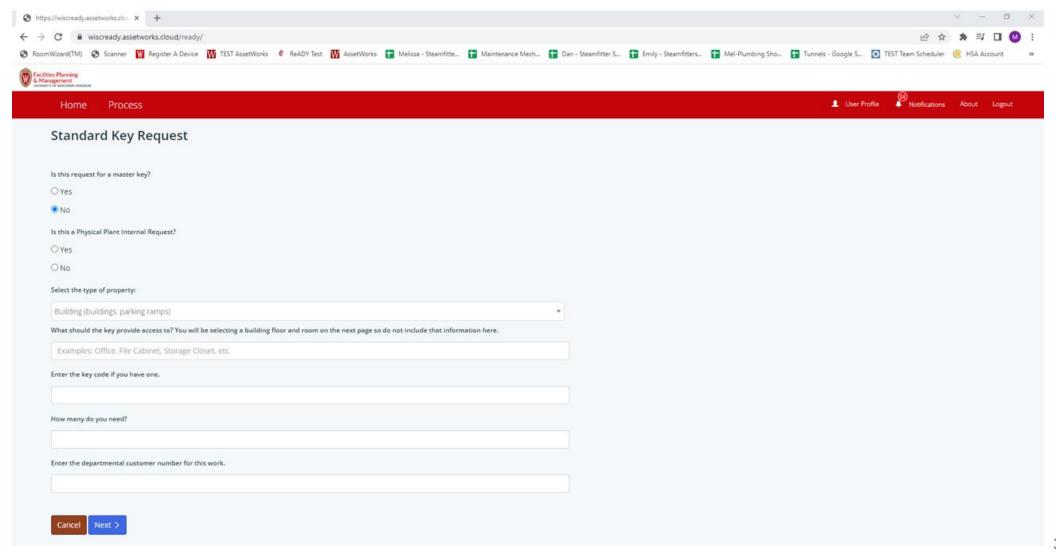
Electrical Demand–Summer 2022

- 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

Craig Mayer
Physical Plant

- 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





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 BucciFacility Planning & Delivery

Capital Projects Update: Agenda

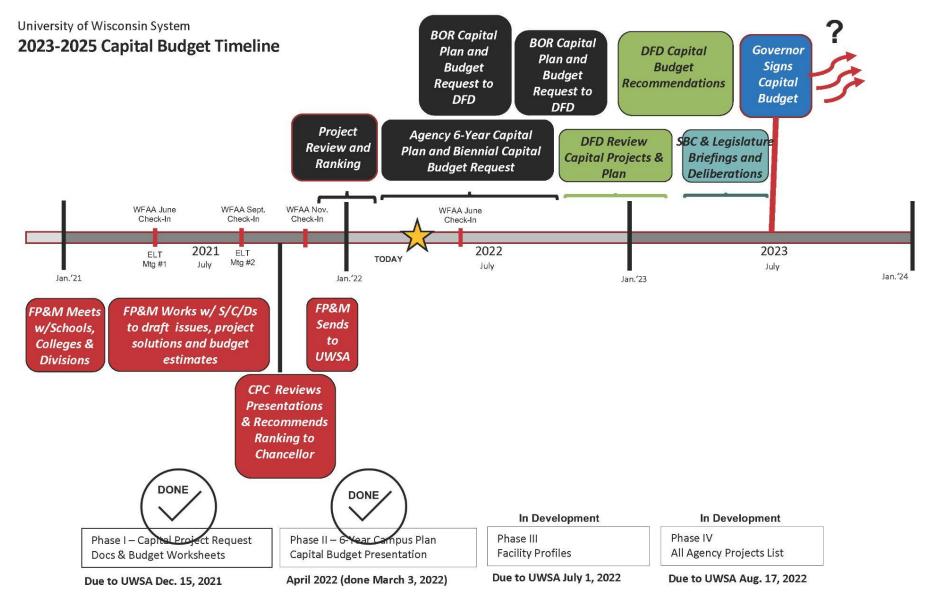
1. Strategic Priorities

- 2023-29 Six-Year Capital Development Plan
- Research Lab Renovation Delivery Program

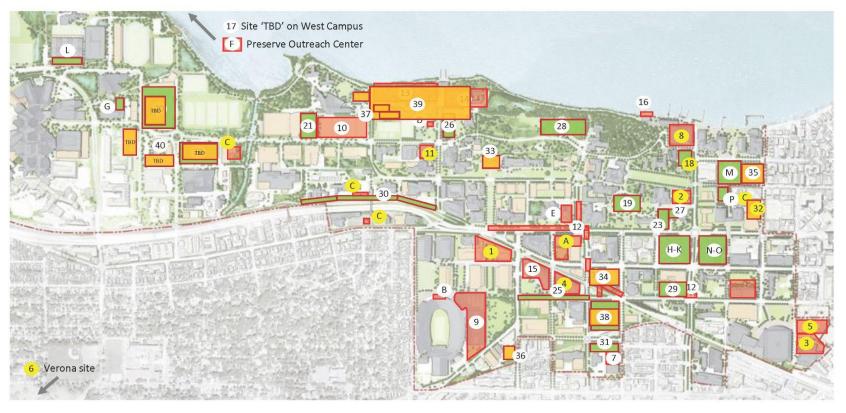
2. Capital Projects Dashboard

- 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



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. WIMR West Wedge
- 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
- Site Utility Steam Distribution Pits
- 9. Bascom Hill/Lathrop 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. SERF Replacement (The Nick)
- 15. Gym/Nat Replacement
- 16. Vet Med Addition & Renovation
- 17. Chemistry Building Addition & Renov
- 18. Kohl Center Addition

UW Managed Projects

- 19. Zoology 1st Floor Wang Lab Renov
- 20. Chemistry 2nd Floor Wang Lab Renov
- 21. Chamberlin Hall 6th Floor Weaver Lab
- 22. Weeks Hall 4th Floor Dutton Lab Renov
- 23. Biochemistry Cryo-Electron Microscopy
- 24. MSC Kinesiology Renovation 25. DolT Digital Publishing & Printing
- Services Relocation* 26. FP&M Phys Plant Relocation & Renov
- 27. 21 N. Park Street Adv Plan & Renov

State Projects

- 29. Engineering Replacement Building
- 30. WVDL Barron County*
- 31. Levy Hall, L&S Academic Building
- 32. Engineering Drive Utilities
- 33. Bascom/Lathrop Dr Utilities, Ph 4 34. Johnson St Steam/Condensate Renov

Major Projects in Design

UW Managed Projects

- 35. WIMR-Dock & Primate Ctr Renov
- 36. Engineering Hall Sprinklers, Ph 1
- 37. CDIS Building
- 38. Engineering Hall CBE Renovation
- 39. Memorial Union Addition & Renov
- 40. Ag Dean's Renovation
- 41. Law School Renovations
- 42. Elvejhem Building Ext Envelope
- 43. WARF Floors 4, 5 & 7 Renovations

* = off campus

Major Projects in Design: \$752.4M

UW

Project Breakdown

State Capital Projects

(Enumerated, more than \$1M)

Quantity: 5

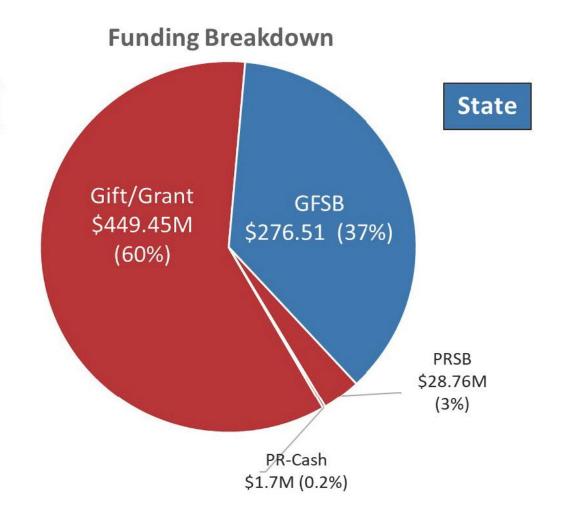
Total: \$481,059,000 (64%)

UW-Managed Projects

(More than \$1M)

Quantity: 9

Total: \$271,367,000 (36%)



Status Dashboard: Design

Major Projects In Design				Schedule		Status	
	Total Cost	Funding Sources	Current Phase	Bid Date	Sub. Completion Date	Budget	Schedul
Engineering Bldg. Replacement	\$ 300,000,000	GG/GFSB	Design	Spring 2024	Summer 2024	•	
Engineering Dr. Utilities Replacement	\$ 60,303,000	GFSB/PRSB	Design	Summer 2021	Fall 2024		
Levy Hall L&S Academic Building	\$ 88,441,000	GG/GFSB	Design	Mar 2023	Winter 2025	•	•
WI Vet Diagnostic Lab - Barron	\$ 9,555,000	G FSB	Design	Mar 2023	Apr 2025		
South Campus Utility Improvements	\$ 22,760,000	GFSB/PRSB/ Cash	Design	Feb 2023	May 2024		•
Memorial Union Addition and Repairs	\$ 5,000,000	GG	Design	Jul 2021	Apr 2022	•	
New CDIS Building	\$ 230,000,000	GG	Design	Demo: Mar 2022 Bldg: Nov 2022 Reno: Jun 2021	Dec 2024	•	•
Eng. Hall CBE Inst. & Research Lab Reno	\$ 12,427,000	GG	Design	Apr 2022	Jun 2023	•	
WARF SMPH 4, 5 & 7 Floors Renovation	\$ 5,429,000	GG	Design	Oct 2022	Aug 2023	_	
DeLuca Biochemical Coon Lab Renovation	\$ 2,000,000	GG	Design	May 2022	Feb 2023	•	•
Elvehjem Building Envelope Renovation	\$ 12,094,000	GG	Design	May 2022	May 2023	0	
Engineering Centers MOCVD Lab	\$ 1,655,000	GG	Design	Feb 2023	Sept 2023		
WHAM Plasma Physics Elec. Upgrade	\$ 1,562,000	GG	Design	Aug 2022	Nov 2022	•	
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

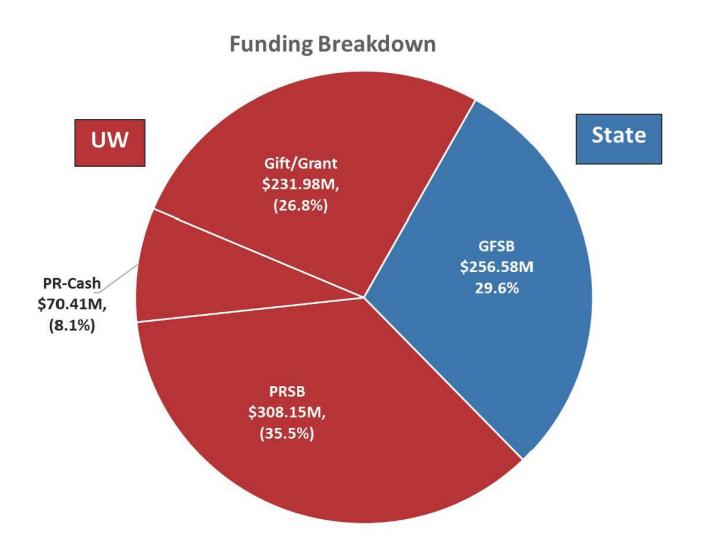
Total: \$820,686,000 (95%)

UW-Managed Projects

(More than \$1M)

Quantity: 12

Total: \$46,445,000 (5%)



Status Dashboard: Construction

Major Projects In Construction	Total Cost	Funding Sources	Current Phase	Bld Date	Sub. Completion Date	Budget	Schedule
Gymnasium / Natatorium Replacement	\$ 126,391,000	GG/ PRSB	Construction	Dec 2020	March 2023	•	0
DED Babcock Hall & Center for Dairy Research	\$ 72,609,100	GG/GFSB/PR-Cash	Construction	Spring 2018	Oct 2022	0	•
DED Camp Randall South End Zone	\$ 77,646,000	GG/PRSB/PR-Cash	Construction	Varies	Aug 2022	•	•
Chemistry Addition & Renovation	\$ 133,100,000	GG/GFSB/PR-Cash	Construction	Jul 2018	Jan 2023	•	•
DFD Veterinary Medicine Addition & Reno	\$ 128,603,000	GG/GFSB	Construction	Mar 2023	Dec 2024	•	•
DFD SERF Replacement Building (the Nick)	\$ 96,541,000	GG/PRSB/PR-Cash	Construction	Aug 2017	TBD		0
DED Lathrop Drive/Bascom Utility Repairs Phase II	\$ 20,076,000	GFSB/PRSB	Construction	Apr 2021	Sept 2022		•
DED Lathrop Drive/Bascom Utility Repairs Phase I	\$ 32,656,000	GFSB/PRSB	Construction	Jan 2022	Nov 2022		•
DED Sellery Hall Addition & Renovation	\$ 78,811,000	PRSB/PR-Cash	Construction	May 20	Aug 2023		•
OFD Charter St Chilled Water Valve Replacement	\$ 1,865,900	GFSB/PRSB	Construction	May 2021	Mar 2022	•	
Pield House Exterior Restoration and Plaza	\$ 5,993,000	GG/PR-Cash	Construction	Nov 2019	Nov 2021	•	•
DFD Kohl Center Addition & Renovation	\$ 48,074,000	GG/PRSB/PR-Cash	Construction	Nov 2021	Jul 2024		
DFD Site Utility Steam Dist Pit 4/13-79/12 Repl	\$ 6,738,000	GFSB/PRSB	Construction	June 2021	Oct 2022	•	•
DFD Site Utility Steam Dist Pit 59/10 to Ag Bultn Repl	\$ 6,582,000	GFSB/PRSB	Construction	Feb 2022	Nov 2022		•
Chamberlin Hall 6th Floor Weaver Lab	\$ 1,700,000	GG	Construction	Apr 2021	Feb 2022	•	•
Chemistry 2nd Floor Wang Lab Renovation	\$ 1,369,000	GG	Construction	Oct 2020	Nov 2021	•	•
Biochemistry Cryo-Electron Micro. Reno.	\$ 2,400,000	GG	Construction	Mar 2021	Jan 2022	•	•
www Weeks Hall 4th Floor Dutton Lab Reno	\$ 2,190,000	GG	Construction	Feb 2021	Jan 2022		•
Zoology 1st Floor Wang Lab Reno	\$ 1,136,000	GG	Construction	Jul 2020	Mar 2022		0
Biochemical Sciences Coon Lab	\$ 2,000,000	GG	Construction	May 2022	Feb 2023		•
w MSC Kinesiology Renovation	\$ 12,000,000	GG	Construction	Sept 2019	Jan 2022	•	•
Eng. Hall Sprinkler & Gas Piping Reno Ph 1	\$ 4,239,000	GG	Construction	Dec 2021	Nov 2022	•	
WIMR - Dock & Primate Center Renovation	\$ 6,150,000	GG	Construction	Sept 2021	Jan 2023		
DoIT Digital Publishing & Printing Services Relocation	\$ 2,212,000	GG	Construction	Sept 2021	Feb 2022		
FP&M Phys. Plant Reloc & Reno Project	\$ 9,000,000	GG	Construction	Oct 2021	Apr 2022		
WHAM Plasma Physics Lab Elec/Cooling Upgrade	\$ 1,562,000	GG	Construction	Feb 2022	Oct 2022	•	0

Questions?