



State of Wisconsin Building Commission

TONY EVERS
Governor

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The ADMINISTRATIVE AFFAIRS SUBCOMMITTEE will meet to review and make recommendations on requests submitted by the state agencies.

Thursday, December 12, 2019

9:30 a.m.

**Room 330SW
State Capitol**

The HIGHER EDUCATION SUBCOMMITTEE will meet to review and make recommendations on requests submitted by the state agencies.

Thursday, December 12, 2019

10:30 a.m.

**Room 330SW
State Capitol**

The STATE BUILDING COMMISSION will meet to review and act upon agency requests and other business and any matters referred by either subcommittee.

Thursday, December 12, 2019

2:00 p.m.

**Governor's Conference Room
115 East, State Capitol**

BUILDING COMMISSION REQUESTS / ITEMS

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December 12, 2019

Subcommittee

Full Commission

The Secretary requests approval of the minutes of October 16, 2019.

No action required.

ADMINISTRATIVE AFFAIRS

Department of Corrections

1. Central Generating Plant – Steam Turbine Rebuild – Request authority to construct the Steam Turbine Rebuild project for an estimated total cost of \$2,999,000 PR-CASH.

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #1**

AGENCY: Department of Corrections

DOC CONTACT: Jane Zavoral, (608) 240-5410, jane.zavoral@wisconsin.gov

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Central Generating Plant, Dodge County

PROJECT REQUEST: Request authority to construct the Steam Turbine Rebuild project for an estimated total cost of \$2,999,000 PR-CASH.

PROJECT NUMBER: 19D1L

PROJECT DESCRIPTION:

This project will overhaul the two Waupun Central Generating Plant (CGP) steam turbine generators. Work includes the disassembly and reassembly of the turbines, replacement of any worn parts, including the nozzles in the fuel chest. Other work includes throttle valve repair, coupling replacement and turbine rotor repairs.

PROJECT JUSTIFICATION:

The CGP was put into service in 1952. The plant provides essential services for Waupun Correctional Institution, Dodge Correctional Institution, John C. Burke Correctional Center, the Waupun Dairy, the state garage, and warehouse. CGP is a cogeneration facility that provides steam for building heating, food service and domestic water heating; and generates electric power from its own steam turbine generators. The facility contains all the electrical distribution gear to distribute the electric power generated by its own steam turbine generators and purchased from the public utility, and to provide emergency backup power from its emergency diesels generators. Per industry and insurance standards, an inspection and overhaul of steam turbine generators should occur every seven years. The last inspection was completed in 2009.

BUDGET/SCHEDULE:

Construction	\$2,475,000
Design	\$165,000
DFDM Mgt	\$109,000
Contingency	\$250,000
TOTAL	\$2,999,000

SBC Approval	Dec 2019
A/E Selection	Apr 2019
Bid Opening	Feb 2020
Start Construction	Apr 2020
Substantial Completion	Dec 2021
Final Completion	Apr 2022

PREVIOUS ACTION: None.

BUILDING COMMISSION REQUESTS / ITEMS

December 12, 2019

Subcommittee

Full Commission

Department of Natural Resources

2. Peninsula State Park – New Dump Station (Increase) –
Request approval to increase the project budget to accept bids received for the construction of the New Dump Station project by \$414,800 STWD for a revised estimated total cost of \$997,500 STWD.

In February 2019, the SBC granted authority to construct the project for an estimated total cost of \$582,700 STWD.

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #2**

AGENCY: Department of Natural Resources

DNR CONTACT: Dan Olson, (608) 264-6055, daniel.olson@wisconsin.gov

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Peninsula State Park, Door County

PROJECT REQUEST: Request approval to increase the project budget to accept bids received for the construction of the New Dump Station project by \$414,800 STWD for a revised estimated total cost of \$997,500 STWD.

PROJECT NUMBER: 17L1S

PROJECT DESCRIPTION:

This project will construct a new sanitary trailer dump station at a new location. The old location is small and traffic waiting to use the existing sanitary trailer dump station blocks traffic in the park. Additional items will include site lighting, sanitary sewer, drainage and water supply improvements as well as site restoration.

Bids were received for this project on November 6, 2019. The additional funds requested are required to accept bids received to complete the originally approved project scope and intent and establish an appropriate post-bid contingency.

PROJECT JUSTIFICATION:

Over the last several years the dump station has experienced a large increase in usage, therefore creating very long wait times, traffic flow issues and camper complaints. It is paramount that the park maintains a properly functioning dump station that will service the increasing flow of recreational vehicles now and in the future. The park has an estimated annual attendance exceeding 1.2 million visitors.

BUDGET/SCHEDULE:

Construction	\$792,900
Design	\$72,400
DFDM Mgt	\$34,100
Contingency	\$59,500
Other Fees	\$38,600
TOTAL	\$997,500

SBC Approval	Feb 2019
A/E Selection	Jan 2018
Bid Opening	Nov 2019
Start Construction	Jan 2020
Substantial Completion	May 2020
Final Completion	May 2020

PREVIOUS ACTION: In February 2019, the SBC granted authority to construct the project for an estimated total cost of \$582,700 STWD.

BUILDING COMMISSION REQUESTS / ITEMS

December 12, 2019

Subcommittee

Full Commission

3. Poynette State Game Farm – CWD Processing Center (Increase) – Request approval to increase the project budget to accept bids received for the construction of the CWD Processing Center at the Poynette State Game Farm by \$380,000 CON SEGB for a revised estimated total cost of \$1,985,600 CON SEGB.

In June 2019, the SBC approved the Design Report and authority to construct the CWD Processing Center at the Poynette State Game Farm for an estimated total cost of \$1,605,600 CON SEGB.

In June 2018, the SBC approved the purchase of the DNR Science Operations Center (SOC) at 2801 Progress Road in Monona for a cost of \$3,200,000 CON-SEGB plus closing costs.

This project was enumerated in 2017 Wisconsin Act 59 for \$4,805,800 CON-SEGB for the purchase of the 28,500 SF DNR Science Operations Center (SOC) at 2801 Progress Road and for the construction of a 4,700 GSF Chronic Wasting Disease (CWD) Processing Center addition to the SOC.

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #3**

AGENCY: Department of Natural Resources

DNR CONTACT: Dan Olson, (608) 264-6055, daniel.olson@wisconsin.gov

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Town of Dekorra, Columbia County

PROJECT REQUEST: Request approval to increase the project budget to accept bids received for the construction of the CWD Processing Center at the Poynette State Game Farm by \$380,000 CON SEGB for a revised estimated total cost of \$1,985,600 CON SEGB.

PROJECT NUMBER: 18D2N

PROJECT DESCRIPTION:

This project will construct a Chronic Wasting Disease (CWD) Processing Center at the existing DNR-owned Poynette State Game Farm. This center will process CWD samples from deer, elk, moose, and other wild hoofed species in Wisconsin. The processing center will also be used for sick deer response, hoofed necropsies, deer waste disposal, and staff trainings. The new processing center will include: sampling labs, personal protective equipment preparation area, walk-in freezer, walk-in cooler, supply storage area, wastewater holding tank, and public drop-off areas.

Bids were received for this project on November 20, 2019. The project is planned to be operational in the Summer of 2020 to support the 2020 hunting seasons. No additional program reductions are available to value engineer the project to help reduce costs. Therefore, the additional funds requested are required to accept bids received to complete the originally approved project scope and intent and establish an appropriate post-bid contingency.

PROJECT JUSTIFICATION:

This project will replace the existing CWD processing center located in Black Earth, Wisconsin. The relocation of the CWD processing center will consolidate DNR operations and provide long-term stability for DNR's statewide CWD monitoring operations and testing services.

BUDGET/SCHEDULE:

Construction	\$1,607,000
Design	\$124,000
DFDM Mgt	\$70,800
Contingency	\$161,200
Equipment	\$22,600
TOTAL	\$1,985,600

SBC Approval	Jun 2019
A/E Selection	Sep 2018
Bid Opening	Nov 2019
Start Construction	Jan 2020
Substantial Completion	Jul 2020
Final Completion	Oct 2020

PREVIOUS ACTION: In June 2019, the SBC approved the Design Report and authority to construct the CWD Processing Center at the Poynette State Game Farm for an estimated total cost of \$1,605,600 CON SEGB.

In June 2018, the SBC approved the purchase of the DNR Science Operations Center (SOC) at 2801 Progress Road in Monona for a cost of \$3,200,000 CON-SEGB plus closing costs.

This project was enumerated in 2017 Wisconsin Act 59 for \$4,805,800 CON-SEGB for the purchase of the 28,500 SF DNR Science Operations Center (SOC) at 2801 Progress Road and for the construction of a 4,700 GSF Chronic Wasting Disease (CWD) Processing Center addition to the SOC.

BUILDING COMMISSION REQUESTS / ITEMS

December 12, 2019

Subcommittee	Full Commission
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Educational Communications Board

4. Various All Agency Projects – Request the following:
- a) Construct various All Agency maintenance and repair projects for an estimated total cost of \$1,185,000 GFSB; and
 - b) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair		\$1,185,000
WPNE	ATSC 3.0 Transmitter Power Max Upgr (\$535,000 GFSB)	\$535,000
WHLA	ATSC 3.0 Transmitter Power Max Upgr (\$650,000 GFSB)	\$650,000

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #4**

AGENCY: Educational Communications Board

ECB CONTACT: Marta Bechtol, (608) 264-9733, marta.bechtoll@ecb.org

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Statewide

PROJECT REQUEST: Request the following:

- a) Construct various All Agency maintenance and repair projects for an estimated total cost of \$1,185,000 GFSB; and
- b) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair			
LOCATION	PROJ. NO.	PROJECT TITLE	GFSB
WPNE-TV Equipment (Brown Co.)	19H1C	ATSC 3.0 Transmitter Power Maximization Upgrade	\$535,000
WHLA-TV Equipment, La Crescent MN. (La Crosse Co.)	19H1D	ATSC 3.0 Transmitter Power Maximization Upgrade	\$650,000
Facility Maintenance and Repair Total			\$1,185,000

PROJECT DESCRIPTION:

These projects will retrofit and upgrade the WPNE-TV and WHLA-TV transmitter systems to achieve the FCC approved Construction Permit for doubling signal power at both facilities. This upgrade will also enable both transmitter sites to further ATSC 3.0 transmission standard capabilities. The Department of Administration obtained a waiver of equipment bidding requirements on August 12, 2019 for the Rohde & Schwarz equipment because it is the original equipment manufacturer and is the only source able to provide the upgrades without risk of voiding warranty. Order placement to the original equipment manufacturer is required by February 2020 to permit time to fabricate the equipment at the vendor's factory in Germany.

PROJECT JUSTIFICATION:

The FCC has authorized ECB to double signal power for the Green Bay and La Crescent TV facilities. These proposal projects will fund the equipment necessary to enable the power increases. The additional equipment will also provide better coverage and reliability of TV signals and further ATSC 3.0 capabilities. Increased reliability and coverage of the TV signals will expand the statewide AMBER/Emergency Alert System (EAS) delivery network. La Crosse and Green Bay locations will collectively increase their viewing audience by 94,330 thru this upgrade. The process of upgrading is a limited opportunity granted by the FCC and must be completed by or before the expiration of the permits granted by the FCC to ECB. Failure to

complete construction prior to the expiration of the permits results in automatic cancellation and the FCC does not grant extensions to construction permits.

BUDGET/SCHEDULE:

DFDM Mgt	\$21,790
Contingency	\$73,980
Equipment	\$1,089,230
TOTAL	\$1,185,000

SBC Approval	Dec 2019
Start Construction	Jan 2020
Substantial Completion	Sep 2020
Final Completion	Nov 2020

PREVIOUS ACTION: None.

BUILDING COMMISSION REQUESTS / ITEMS

December 12, 2019

Subcommittee

Full Commission

HIGHER EDUCATION

University of Wisconsin

5. UW-Platteville – New Sesquicentennial Hall – Request the following:
- a) Approve the Design Report; and
 - b) Authority to construct the New Sesquicentennial Hall project for an estimated total cost of \$55,189,000 (\$54,602,000 GFSB and \$587,000 PRSB).

This project was enumerated in 2017 Wisconsin Act 59 for \$55,189,000 (\$54,602,000 GFSB and \$587,000 PRSB).

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #5**

AGENCY: University of Wisconsin System

UWSA CONTACT: Alex Roe, (608) 265-0551, aroe@uwsa.edu

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: UW-Platteville, Grant County

PROJECT REQUEST: Request the following:

- a) Approve the Design Report; and
- b) Authority to construct the New Sesquicentennial Hall project for an estimated total cost of \$55,189,000 (\$54,602,000 GFSB and \$587,000 PRSB).

PROJECT NUMBER: 17H1X

PROJECT DESCRIPTION:

This project constructs a new 99,229 GSF academic engineering building addition to Engineering Hall to provide instructional laboratory suites, project and research laboratories, and general assignment classrooms, including those configured and equipped for active learning. A smaller addition to the north will create two active learning classrooms and create a more welcoming entry area for students and visitors. The site development will include an expanded loading area, bicycle parking, reconfigured vehicle parking, educational features, and storm water management solutions. The addition will be completed at a Leadership in Energy and Environmental Design (LEED) Certified level.

PROJECT JUSTIFICATION:

The new facility will provide adequate space to resolve demonstrated quantitative and qualitative space shortages in Ottensman Hall, built in 1966. Approximately 19,700 GSF of computing, dry and wet instructional and project laboratory space will be relocated from Ottensman Hall to the new facility because the existing space cannot be effectively renovated to accommodate the engineering program. These spaces include laboratories for computer-aided engineering, mechanical systems, materials, and thermal systems, and geotechnical and environmental research and instructional space. The new facility will be constructed with adequate structural bay sizing and the floor-to-floor clearance necessary for the engineering laboratories and mediated general assignment classrooms. An approximate additional 15,000 GSF of new Innovation Center space will be constructed for specialized computing, equipment and service, manufacturing, machine shop/project making, and research lab space that does not exist on campus.

At the completion of this project, approximately 25,000 GSF in Ottensman Hall will be vacated and made available for reallocation for other departments on campus. More than 73,000 GSF of space deficiencies have been identified across campus, primarily those 28 departments

operating in the four relic and former residence hall facilities (Brigham Hall, Gardner Hall, Royce Hall, and Warner Hall), which are planned for eventual demolition due to their poor functional and physical condition assessments.

Ottensman Hall does not have adequate structural bay spacing or floor-to-ceiling clearance to house modern STEM disciplines. Renovating this building for more infrastructure intensive laboratory needs would compromise ceiling heights; inhibit future flexibility; create the need for excessive fittings that would result in higher pressure drops and fan energy consumption; force service access of piping and terminal units to be located directly over laboratory spaces; and cause extremely congested use of additional vertical shafts. The added vertical shafts would be expensive to create and would reduce usable square footage and lower the building’s efficiency to an unacceptable level.

This facility also does not have enough physical space to accommodate the modern, specialized laboratory needs of the industrial, mechanical, civil and environmental engineering programs. Intensive space use is further amplified by the unique specialized equipment and machinery used in the spaces. There is a limit to the number of students who can safely and functionally access the rapid prototyping machines, three-dimensional printers, metal shop machinery, and industrial/advanced manufacturing simulation units. The mechanical, electrical, telecommunications, and plumbing systems are all obsolete and nearing the end of their useful lives. Some of the specialized equipment critical to teaching is housed in basement spaces that do not comply with current codes for occupancy, due to the lack of ventilation and proper emergency egress.

The proposed building was originally enumerated as a standalone building. During the design phase, it was decided to construct it as an addition to the existing Engineering Hall to capitalize on existing building systems that were designed to accommodate future expansion, increase pedestrian safety and occupant efficiency by keeping both buildings on the same side of the street, and preserve an existing 116-stall parking lot.

BUDGET/SCHEDULE:

Construction	\$40,659,000
Design	\$3,448,000
DFDM Mgt	\$1,811,200
Contingency	\$4,618,800
Equipment	\$3,422,000
Other Fees	\$1,230,000
TOTAL	\$55,189,000

SBC Approval	Dec 2019
A/E Selection	Mar 2018
Design Report	Dec 2019
Bid Opening	Jul 2020
Start Construction	Oct 2020
Substantial Completion	Jun 2022
Final Completion	Dec 2022

PREVIOUS ACTION: This project was enumerated in 2017 Wisconsin Act 59 for \$55,189,000 (\$54,602,000 GFSB and \$587,000 PRSB).

DESIGN REPORT

**DIVISION OF FACILITIES
DEVELOPMENT & MANAGEMENT
101 East Wilson Street, 7th Floor
Post Office Box 7866
Madison, WI 53707**

December 12, 2019

Sesquicentennial Hall
UW-Platteville
Platteville, WI

Project Number: 17H1X

For the: University of Wisconsin

Project Manager: Lois Braun-Oddo

Architect/Engineer: BWBR Architects, Inc.
Madison, WI

1. Project Description:

This project constructs a new 99,229 GSF academic engineering building addition to Engineering Hall to provide instructional laboratory suites, project and research laboratories, and general assignment classrooms, including those configured and equipped for active learning. A smaller addition to the north will create two active learning classrooms and create a more welcoming entry area for students and visitors. The site development will include an expanded loading area, bicycle parking, reconfigured vehicle parking, educational features, and storm water management solutions. The addition will be completed at a Leadership in Energy and Environmental Design (LEED) Certified level.

2. Authorized Budget and Funding Source:

This project was enumerated in 2017 Wisconsin Act 59 for \$55,189,000 (\$54,602,000 GFSB and \$587,000 PRSB).

3. Schedule:

Bid Opening	Jul 2020
Start of Construction	Oct 2020
Substantial Completion / Occupancy	Jun 2022

4. Budget Summary:

Construction	\$40,659,000
A/E Fees	\$3,448,000
DFDM Mgmt	\$1,811,200
Contingency	\$4,618,800
Equipment	\$3,422,000
Other Fees	\$1,230,000
Total Project Cost	\$55,189,000

BUILDING COMMISSION REQUESTS / ITEMS

December 12, 2019

Subcommittee	Full Commission
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6. UW-System – Various All Agency Projects –
Request the following:
- a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of \$13,627,500 (\$7,443,900 GFSB, \$3,288,500 PRSB, and \$2,895,100 PR-CASH);
 - b) Transfer all approved GFSB All Agency Allocations to the UW Infrastructure Maintenance Appropriation; and
 - c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair		\$7,398,500
EAU	Haas Fine Arts Theatrical Light/Rigging (\$2,997,700 GFSB)	\$2,997,700
LAX	White Hall Renovation (\$994,900 PRSB; \$2,000,000 PR-CASH)	\$2,994,900
RVF	Davee Library Electrical Distribution Eqpt (\$1,405,900 GFSB)	\$1,405,900
Utility Repair and Renovation		\$6,229,000
LAX	Badger Street Mall Renovation (\$895,100 PR-CASH)	\$895,100
WTW	Williams Ctr Pedestrian Bridge Repl (Incr) (\$190,300 GFSB; \$143,600 PRSB)	\$333,900
WTW	Chilled Water Loop & Steam Pit Repairs (\$2,850,000 GFSB; \$2,150,000 PRSB)	\$5,000,000

**AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2019
REQUEST #6**

AGENCY: University of Wisconsin System

UWSA CONTACT: Alex Roe, (608) 265-0551, aroe@uwsa.edu

DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: UW System, Statewide

- PROJECT REQUEST:** Request the following:
- a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of \$13,627,500 (\$7,443,900 GFSB, \$3,288,500 PRSB, and \$2,895,100 PR-CASH);
 - b) Transfer all approved GFSB All Agency Allocations to the UW Infrastructure Maintenance appropriation; and
 - c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

FACILITY MAINTENANCE AND REPAIR

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	PR-CASH	TOTAL
EAU	18K2I	Haas Fine Arts Theatrical Lighting/Rigging	\$2,997,700	\$0	\$0	\$2,997,700
LAX	19B2D	White Hall Renovation	\$0	\$994,900	\$2,000,000	\$2,994,900
RVF	19A2J	Davee Library Electrical Distribution Eqpt	\$1,405,900	\$0	\$0	\$1,405,900
FMR SUBTOTALS			\$4,403,600	\$994,900	\$2,000,000	\$7,398,500

UTILITY REPAIR AND RENOVATION

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	PR-CASH	TOTAL
LAX	19B2C	Badger Street Mall Renovation	\$0	\$0	\$895,100	\$895,100
WTW	16L1S	Williams Center Pedestrian Bridge Repl (Increase)	\$190,300	\$143,600	\$0	\$333,900
WTW	19J3K	Chilled Water Loop & Steam Pit Repairs	\$2,850,000	\$2,150,000	\$0	\$5,000,000
URR SUBTOTALS			\$3,040,300	\$2,293,600	\$895,100	\$6,229,000

	GFSB	PRSB	PR-CASH	TOTAL
DECEMBER 2019 TOTALS	\$7,443,900	\$3,288,500	\$2,895,100	\$13,627,500

UW-Eau Claire - Haas Fine Arts Theatrical Lighting/Rigging Renovation (18K2I):

Project Description and Justification:

This project provides renovates and repairs multiple areas within the Haas Fine Arts building, including Gantner Hall, Phillips Hall, Riverside Theater, and the main lobby. Improvements include installation of new house lighting, theatrical lighting, new controls; replacement of failing control panels, stage winches, acoustical curtains, fire curtain, and acoustical shell; and installation of new safety features. Project work includes replacing the main lobby light fixtures

and theater lighting system (including stage lighting, distribution, fixtures and accessories, stage rigging, curtains, pipe grid and orchestra pit). A modern system, including new computer controlled dimming equipment, new control console, energy efficient light fixtures and new power connector strips will be installed. A new dimmer rack with adequate dual 20-amp dimmer modules will be provided and associated output circuitry will be installed to all lighting fixture locations. Remote control stations will be provided to allow operation of selected lighting system control functions from various locations in the theater. The stage rigging will be augmented, enhanced, repaired, and/or replaced as necessary to provide a safe operating environment. The asbestos-containing fire curtain will be replaced with a non-asbestos curtain incorporating a safety braking mechanism.

The theatrical lighting systems in Gantner Hall have completely failed several times. This requires costly repairs for the components of the system that are still operational. The lighting control console is non-functional. The 40-year-old system is no longer supported and parts are no longer available. The current system requires unreliable patch panels and cables to interconnect the system in a functional manner. This also requires unsuspecting stage crews to create electrical and fire codes issues while trying to set the stage. The rigging system is constructed of an antique rope, pulley, and counterweight system that is unsafe to operate. The lighting system in Riverside Hall is also original to the building and does not operate correctly. The Riverside Hall lighting system is obsolete and replacement parts are difficult to find. The lighting in the central lobby requires constant maintenance. The lobby light levels fluctuate between the multiple fixture types and provides poor lighting levels.

Budget/Schedule:

Construction	\$2,400,000
Design	\$252,100
DFDM Mgt	\$105,600
Contingency	\$240,000
TOTAL	\$2,997,700

SBC Approval	Dec 2019
A/E Selection	Jan 2019
Bid Opening	Apr 2020
Start Construction	Jun 2020
Substantial Completion	Oct 2020
Final Completion	Jan 2021

Previous Action: None.

UW-La Crosse - White Hall Renovation (19B2D):

Project Description and Justification:

This project renovates White Hall to improve life/safety systems and ADA accessibility. Project work includes installation of a new fire alarm and smoke detection system and a new fire suppression system, including an extension of the domestic water main. New electrical circuits will be extended to all resident rooms and the building electrical transformer and switchgear will be replaced to provide upgraded circuits. New high-speed data cabling and access points will be installed. One fully accessible shower and restroom will be constructed on each of the four residential floors. The showers and restrooms on all four residential floors will be reconfigured. The single-user toilet room in the basement will be relocated and expanded to provide full

accessibility. Building mechanical alterations include new exhaust fans and branch ductwork within the renovated areas.

White Hall is a four-story residence with 223 beds and was constructed in 1962. There have been no significant renovations or upgrades since its original construction. The continued deterioration of the housing stock has a negative impact on student recruitment and the overall student experience. Increased concern over accessibility and bathrooms that respect the diversity of the student population have made the residence hall renovations a priority. This facility will be vacated for the spring and summer 2020 semesters, providing an eight-month construction window.

Budget/Schedule:

Construction	\$2,379,000
Design	\$185,000
DFDM Mgt	\$102,800
Contingency	\$190,900
Equipment	\$136,100
Other Fees	\$1,100
TOTAL	\$2,994,900

SBC Approval	Dec 2019
A/E Selection	Mar 2019
Bid Opening	Feb 2020
Start Construction	Mar 2020
Substantial Completion	Aug 2020
Final Completion	Dec 2020

Previous Action: None.

UW-River Falls - Davee Library Electrical Distribution Equipment Replacement (19A2J):

Project Description and Justification:

This project resolves maintenance and reliability issues with the Davee Library electrical distribution system by replacing emergency generators and antiquated medium voltage, emergency, normal, and optional power distribution equipment. Project work includes replacing the 5KV primary switch, 5KV primary transformer, main electrical distribution gear, three transfer switches, and two generators. This project will also include installing new overhead doors to the loading dock to prevent water from entering the medium voltage room below. Critical electrical equipment that serves the data center will also be replaced.

Davee Library is home to the Division of Technology Services and is considered the most critical electrical load on campus. Reliability of the electrical system is a main concern because of the transition to VoIP phones. All communications go through the data center. The current emergency power system is unreliable, and the data center has shut down multiple times due to emergency system failures. Multiple repairs have been done on the transfer switches and generators but have not resolved the reliability issues.

The 5KV primary transformer, main breaker, and main distribution panel were installed in 1968, are beyond their service life and parts are no longer available. Safety and reliability have become a concern. Several circuit breakers need to be reset several times in order for them to hold.

Budget/Schedule:

Construction	\$1,110,000
Design	\$110,000
DFDM Mgt	\$49,200
Contingency	\$120,000
Other Fees	\$16,700
TOTAL	\$1,405,900

SBC Approval	Dec 2019
A/E Selection	Feb 2019
Bid Opening	Jun 2020
Start Construction	Aug 2020
Substantial Completion	Dec 2021
Final Completion	Jun 2021

Previous Action: None.

UW-La Crosse - Badger Street Mall Renovation (19B2C):**Project Description and Justification:**

This project renovates the vacated Badger Street corridor from the northeast corner of Murphy Library to the southeast corner of the Whitney Center by extending the 20 LF wide pedestrian walkway to create a safe and functional pedestrian circulation path. Project work includes replacement of the street pavement and installation of new pedestrian walkways, landscaping, lighting, storm water management features, bicycle racks and seating.

Construction of the New Student Center and the New Science Labs Building have created an extremely busy pedestrian corridor on what was a municipal street. Badger Street has been vacated from the intersection of East Avenue to the intersection of 14th Street. This creates an opportunity to create a functional, safe, and aesthetically attractive pedestrian corridor. The Badger Street Pedestrian Mall concept was conceived in the 2005 campus master plan and development began as part of the New Student Center and the New Science Labs Building projects. Additional planning of the pedestrian connections is occurring under the Prairie Springs Science Center, Phase II study. The campus master plan relies on this critical pedestrian mall with the future renovation of the Whitney Dining Center and the construction of a new residence hall on 14th Street. Critical to the development of this pedestrian mall are the easterly vistas of the Roger Haring Stadium and Granddad's Bluff. A concept plan was completed in 2015 to match what has already been designed and installed under the New Student Union and the New Science Labs Building projects.

Budget/Schedule:

Construction	\$689,400
Design	\$61,900
DFDM Mgt	\$31,800
Contingency	\$103,300
Other Fees	\$8,700
TOTAL	\$895,100

SBC Approval	Dec 2019
A/E Selection	Mar 2019
Bid Opening	May 2020
Start Construction	Jul 2020
Substantial Completion	Sep 2020
Final Completion	Dec 2020

Previous Action: None.

UW-Whitewater – Williams Center Pedestrian Bridge Replacement (16L1S) (Increase):

Project Description and Justification:

This project replaces a main egress point and associated pedestrian bridge for the men’s and women’s basketball competition gymnasium on the north side of the Williams Center. Project work includes demolition of the emergency fire exit ramp from Gym 1 and construction of a similar replacement structure to provide emergency egress. The concrete bridge will be replaced and all associated pedestrian walkways, site improvements, and landscaping will be reconstructed to meet ADA requirements for entry into the building. This project was bid on February 27, 2019 and again on November 14, 2019. This request increases the project budget by \$333,900 to accept bids received. The budget increase is needed to complete the originally approved project scope and intent.

The pedestrian bridge serves as the exit discharge from the Williams Center Gym 1 and spans from the north facade to a large slab-on-grade walkway. Thirteen code-required doors exit directly from the gymnasium onto the pedestrian bridge and two doors exit through a vestibule, providing approximately 50 linear feet of egress width and capacity for 2,800 occupants. The bridge is constructed of reinforced concrete slab and was previously restored approximately 10-12 years ago when a urethane membrane was installed over the slab. That membrane has failed and allowed water and deicing materials to deteriorate the concrete and reinforcement in the slab. The underside of the slab has several hairline cracks, rust stains, exposed rebar, peeling paint, and spalling of concrete. The corners of the slab, where it rests on the bearing location, have missing chunks and cracked concrete.

Budget/Schedule:

Construction	\$830,900
Design	\$68,000
DFDM Mgt	\$36,600
Contingency	\$83,100
Equipment	\$4,000
Other Fees	\$8,000
TOTAL	\$1,030,600

SBC Approval	Dec 2019
A/E Selection	Feb 2017
Bid Opening	Nov 2019
Start Construction	May 2020
Substantial Completion	Sep 2020
Final Completion	Dec 2020

Previous Action: In August 2018, the SBC granted authority to construct the Williams Center Pedestrian Bridge Replacement project for an estimated total cost of \$696,700 (\$397,100 GFSB and \$299,600 PRSB).

UW-Whitewater - Chilled Water Loop & Steam Pit Repairs (19J3K):

Project Description and Justification:

This project completes the planned upgrades to the underground central utility systems, rebuilds or replaces failing steam pits, and provides a new chilled water loop to support existing and proposed campus development. Project work includes rebuilding or replacing steam pits, rerouting the steam and condensate distribution lines to better serve the adjacent facilities, providing a campus utility loop, and extending the chilled water lines to create a new utility loop

to aid in circulation during the winter months for year round biocide control to eliminate harmful bacteria.

The steam pits are more than 50 years old and are structurally failing. This poses a safety hazard for pedestrians and well as a potential operational constraint for the heating system, if they should fail completely. The proposed new chilled water loop will control the microbiologic corrosion of the entire distribution loop, allow more efficient pumping, and provide a new chilled water loop to allow continued cooling for portions of campus in the event of an outage or planned construction. Looped utilities are common among large distribution systems serving many buildings. This will provide more operational flexibility and can reduce or eliminate future costs of temporary cooling.

Budget/Schedule:

Construction	\$4,074,000
Design	\$326,000
DFDM Mgt	\$179,000
Contingency	\$407,000
Other Fees	\$14,000
TOTAL	\$5,000,000

SBC Approval	Dec 2019
A/E Selection	Sep 2017
Bid Opening	Feb 2020
Start Construction	May 2020
Substantial Completion	Aug 2020
Final Completion	Dec 2020

Previous Action: None.