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.

Tuesday, December 15, 2020

10:00 a.m.

To be broadcast via WisconsinEye: wiseye.org/live

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

Tuesday, December 15, 2020

11:00 a.m.

To be broadcast via WisconsinEye: wiseye.org/live

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

Tuesday, December 15, 2020

3:30 p.m.

To be broadcast via WisconsinEye: wiseye.org/live

The Secretary requests approval of the minutes of October 14, 2020.	No action required.

ADMINISTRATIVE AFFAIRS

Department of Corrections

1. Oshkosh Correctional Institution – Food Service Upgrades and Repairs – Request the following:
   a) Authority to construct the Food Service Upgrades and Repairs project for an estimated total cost of $2,982,000 GFSB; and
   b) Transfer all approved GFSB All Agency Allocations to the DOC Infrastructure Maintenance appropriation.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #1

AGENCY: Department of Corrections

DOC CONTACT: Dave Sumwalt, (608) 225-9652, davida.sumwalt@wisconsin.gov
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Oshkosh Correctional Institution, Winnebago County

PROJECT REQUEST: Request the following:

a) Authority to construct the Food Service Upgrades and Repairs project for an estimated total cost of $2,982,000 GFSB; and
b) Transfer all approved GFSB All Agency Allocations to the DOC Infrastructure Maintenance appropriation.

PROJECT NUMBER: 19K2G

PROJECT DESCRIPTION:
In general, the work consists of the replacement of deteriorated underground drain lines, upgrading mechanical, electrical and plumbing systems (MEP) in the Food Service facility of the Oshkosh Correctional Institution (OSCI). Project work includes replacing/upgrading equipment and building ventilation and exhaust systems, exhaust hoods and associated fire suppression systems, and replacing other kitchen equipment. This project will require both off and normal hours work to keep the kitchen operational throughout construction.

PROJECT JUSTIFICATION:
This project is required to ensure meal preparation and associated operations can continue without disruptions. Underground drain lines have partially failed and excessive heat and moisture conditions are aiding in the deterioration of above ground MEP systems and interior finishes. Increased demands in meal output and related activities have stretched OSCI's food service facility, equipment and personnel capabilities to its limits.

BUDGET/SCHEDULE:

Construction	$2,339,000
Design	$290,000
DFDM Mgt	$103,000
Contingency	$234,000
Other Fees	$16,000
TOTAL	**$2,982,000**

SBC Approval	Dec 2020
A/E Selection	Feb 2020
Bid Opening	Mar 2021
Start Construction	May 2021
Substantial Completion	Aug 2021
Final Completion	Sep 2021

PREVIOUS ACTION: None.

Subcommittee	Full Commission

Department of Health Services

2. Southern Wisconsin Center – Food Service HVAC Improvements – Request the following:
   a) Authority to construct the Food Service HVAC Improvements project for an estimated total cost of $2,105,900 GFSB;
   b) Transfer all approved GFSB all agency allocation to the DHS Infrastructure Maintenance account; and
   c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #2

AGENCY: Department of Health Services

DHS CONTACT: Mark Zaccagnino, (608) 266-2902, mark.zaccagnino@wisconsin.gov
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Southern Wisconsin Center, Racine County

PROJECT REQUEST: Request the following:

a) Authority to construct the Food Service HVAC Improvements project for an estimated total cost of $2,105,900 GFSB;
b) Transfer all approved GFSB all agency allocation to the DHS Infrastructure Maintenance account; and
c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

PROJECT NUMBER: 19K1S

PROJECT DESCRIPTION:
This project will replace three air handling units in the Food Service Building at Southern Wisconsin Center. These air handling units serve areas that prepare food and store prepared meals. The project will also eliminate several window air conditioners and an unreliable direct expansion cooling unit that serve staff offices and extend air conditioning to staff bathrooms and locker rooms. Work includes a penthouse addition, chilled water piping, associated return fans, steam & condensate piping, new direct digital controls, and associated structural and electrical work.

PROJECT JUSTIFICATION:
This project is required to assure and enhance food safety in cold meal prep and meal storage areas. Temperatures can exceed recommended levels on warm summer days due to a lack of proper ventilation. The existing air handling units are original to the building which was constructed in 1969. The current food storage carts are a cook chill type that heats hot meals and chills cold meals simultaneously. These units exhaust large amounts of heat which raises the ambient temperature making it difficult for the carts to maintain food temperatures at proper levels along with reducing the life span of the equipment. The current ventilation in staff areas is unreliable and inefficient.

BUDGET/SCHEDULE:

Construction	$1,679,000
Design	$185,000
DFDM Mgt	$73,900
Contingency	$168,000
TOTAL	**$2,105,900**

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

PREVIOUS ACTION: None.

	Subcommittee	Full Commission
Department of Natural Resources		
3. Richard Bong State Recreational Area – Dump Station Reconfiguration/Relocation – Request authority to construct the Dump Station Reconfiguration/Relocation project for an estimated total cost of $407,900 ($203,800 STWD and $204,100 GFSB).		

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
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: Richard Bong State Recreational Area, Kenosha County

PROJECT REQUEST: Request authority to construct the Dump Station Reconfiguration/ Relocation project for an estimated total cost of $407,900 ($203,800 STWD and $204,100 GFSB).

PROJECT NUMBER: 19D1J

PROJECT DESCRIPTION:
The project scope entails the reconfiguration of the dump station at Richard Bong State Recreational Area. There will be one lane added to accommodate the amount of recreation users and their camping equipment. In addition, the parking will be updated to allow for more users and better access to the dump site. This will reduce congestion on the park roadway for those waiting to use the amenities. Lastly, lighting will be improved at the entrance for safety purposes, as well as making the dump site easier to use.

PROJECT JUSTIFICATION:
This project will reduce congestion at the park entrance by adding another dump station lane, improve the parking at the park entrance and improve the lighting at the entrance. Currently, trailer units must exit and re-enter the property entrance to use the dump station, which causes congestion at the property's only entrance, and blocks users from entering and leaving the property. Overall, this project will increase the quality and quantity of amenities for property campers as well as increase access and safety for all users.

BUDGET/SCHEDULE:

Construction	$295,000
Design	$40,000
DFDM Mgt	$13,000
Contingency	$30,000
Other Fees	$29,900
TOTAL	**$407,900**

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

PREVIOUS ACTION: None.

Subcommittee	Full Commission

Department of Veterans Affairs

4. Central Wisconsin Veterans Memorial Cemetery – Cemetery Improvements – Request the following:
   a) Approve of the Design Report;
   b) Authority to increase the project budget by $2,143,100 ($1,977,100 FED and $166,000 PR-CASH); and
   c) Authority to construct a Cemetery Improvements project for an estimated total cost of $3,976,600 ($3,678,400 FED and $298,200 PR-CASH).

   This project was enumerated in 2017 Wisconsin Act 59 for an estimated total cost of at $1,833,500 ($1,701,300 FED and $132,200 PR-CASH).

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #4

AGENCY: Department of Veterans Affairs

DVA CONTACT: Nick Heintz, (920) 251-7658, nick.heintz@dva.wisconsin.gov
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Central Wisconsin Veterans Memorial Cemetery, Waupaca County

PROJECT REQUEST: Request the following:

a) Approve the Design Report;
b) Authority to increase the project budget by $2,143,100 ($1,977,100 FED and $166,000 PR-CASH); and
c) Authority to construct a Cemetery Improvements project for an estimated total cost of $3,976,600 ($3,678,400 FED and $298,200 PR-CASH).

PROJECT NUMBER: 19J2X

PROJECT DESCRIPTION:
The Central Wisconsin Veterans Memorial Cemetery (CWVMC) currently encompasses 14 acres on a hilly area across from the Veterans Home at King. This project will construct a new pre-set crypt burial section; create a flag plaza; construct a new committal shelter; and make other site related-improvements at the CWVMC.

Pre-set Crypts**:** This project will construct approximately 468 double-depth pre-set crypts to meet an anticipated 10-year demand. The design will meet National Cemetery Administration Standards and will reduce operations costs for the cemetery.

Flag Plaza**:** This project will create a flag plaza that displays all branches of the military along with the federal, state and POW flags. The plaza will be an everyday destination but can also accommodate State and local veteran's events for up to 1,000 people.

New Committal Shelter**:** A new Committal Shelter of approximately 1,000 square feet will be constructed as part of this project. The shelter will be utilized by cemetery staff to conduct committal services for families. Currently, the cemetery conducts graveside services or utilizes a chapel on the nearby veteran's home which is not ADA compliant.

Other Site Improvements**:** This project will also upgrade and widen roadway areas with curb and gutter and catch basins to address inadequate storm drainage. Widened roadways will allow for two-way traffic, which will reduce traffic issues and improve safety on the cemetery roads. An integrated storm water management plan will be implemented to mitigate existing issues. An irrigation system will also be installed to provide water for cemetery operations and for families and visitors at the cemetery. Cemetery staff will utilize water spigots to water newly sodded

grave sites and plants throughout the cemetery. Families and visitors will also be able to use spigots to water flowers at grave sites.

The increased project scope that was added after enumeration includes the New Committal Shelter and the roadway improvements included in Other Site Improvements. This work is being supported by the USDVA.

PROJECT JUSTIFICATION:
The WDVA is committed to providing an honorable resting place for eligible veterans and dependents at this and all state veterans' cemeteries. The first phase of this project was constructed in 2017-19. This cemetery lacks many of the amenities of the other state veterans cemeteries including a Flag Plaza, Committal shelter, and irrigation system. The CWVMC, currently operating on 14 acres, has a beautiful location on a hilly area across from the King Veterans Home. However, with an average of 165 burials a year, space is limited and new areas for development need to be determined. New federal standards limit the incline of many interment areas to make them more accessible so expansion needs to be designed addressing these guidelines. In addition, many areas are eroding so improved drainage is required.

The Wisconsin Department of Veterans Affairs has submitted a grant application to the USDVA Veterans Cemetery Grants Service for a majority of the funding. Ineligible expenses will be covered by WDVA Agency Cash.

BUDGET/SCHEDULE:

Construction	$3,210,500
Design	$288,500
DFDM Mgt	$141,300
Contingency	$321,000
Other Fees	$15,300
TOTAL	**$3,976,600**

SBC Approval	Dec 2020
A/E Selection	Apr 2020
Design Report	Dec 2020
Bid Opening	May 2021
Start Construction	Jul 2021
Substantial Completion	Jul 2022
Final Completion	Aug 2022

PREVIOUS ACTION: This project was enumerated in 2017 Wisconsin Act 59 for an estimated total cost of at $1,833,500 ($1,701,300 FED and $132,200 PR-CASH).

DESIGN REPORT

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

December 15, 2020

Cemetery Improvements
Central Wisconsin Veterans Memorial Cemetery
Farmington, WI **Project Number:** 19J2X

For the: Department of Veterans Affairs

Project Manager: Jim Schaefer

Architect/Engineer: SmithGroup
Madison, WI

1. Project Description:

The Central Wisconsin Veterans Memorial Cemetery (CWVMC) currently encompasses 14 acres on a hilly area across from the Veterans Home at King. This project will construct a new pre-set crypt burial section; create a flag plaza; construct a new committal shelter; and make other site related-improvements at the CWVMC.

2. Authorized Budget and Funding Source:

This project was enumerated in the 2017 Wisconsin Act 59 for $1,833,500 ($1,701,300 FED and $132,200 PR-CASH).

3. Schedule:

Bid Opening:	May 2021
Start of Construction:	Jul 2021
Substantial Completion / Occupancy:	Jul 2022

4. Budget Summary:

Construction:	$3,210,500
A/E Fees:	$288,500
DFDM Mgmt:	$141,300
Contingency:	$321,000
Other Fees:	$15,300
Total Project Cost:	**$3,976,600**

Subcommittee	Full Commission

Wisconsin Historical Society

5. Old World Wisconsin – Old Brewery and Biergarten (Increase) – Request authority to increase the project budget for the Old Brewery and Biergarten project by $400,000 EX-GFSB for a revised estimated total cost of $2,566,600 ($1,934,600 GIFTS and $632,000 EX-GFSB).

   In August 2020, the SBC approved the design report, authorized increasing the budget by $516,600 ($232,000 EX-GFSB and $284,600 GIFTS), and authorized construction of the Old Brewery and Biergarten project for a revised estimated total cost of $2,166,600 ($1,934,600 GIFTS and $232,000 EX-GFSB).

   This project was enumerated in 2017 Wisconsin Act 59 for $1,650,000 GIFTS.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #5

AGENCY: Wisconsin Historical Society

WHS CONTACT: Kelly Frawley, (608) 264-6581, kelly.frawley@wisconsinhistory.org
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Old World Wisconsin, Waukesha County

PROJECT REQUEST: Request authority to increase the project budget for the Old Brewery and Biergarten project by $400,000 EX-GFSB for a revised estimated total cost of $2,566,600 ($1,934,600 GIFTS and $632,000 EX-GFSB).

PROJECT NUMBER: 17I1K-02

PROJECT DESCRIPTION:
This project will construct a new 3,657 GSF Brewing Experience building and provide a 696 GSF foundation for the relocation of the historic Wittnebel's Tavern to the Old World Wisconsin site. The Brewing Experience building will be able to accommodate 49 visitors for touring the facility and seating. Wittnebel's Tavern will be relocated to the site and renovated in a future phase of work.

This additional work will address electrical, water and sewer infrastructure deficiencies related to this section and either the facility or near adjacent areas. Site electrical updates include the replacement of aged transformers and upgrading electrical service to provide three-phase power. Site water upgrades in this and subsequent phases will interconnect wells and provide redundancy with the facilities water system. Sanitary sewer upgrades include a replacement alternative of two private onsite septic systems near the end of their useful life by constructing a new sanitary line to the northeast that connects to a holding tank. The holding tank is a temporary step that will be replaced in a subsequent phase with a lift station as part of a new private onsite wastewater treatment system to serve existing and proposed development of the entry area.

PROJECT JUSTIFICATION:
Bids were received for this project on October 1, 2020. While there were sufficient funds to award the contract, there were insufficient funds to provide an appropriate post-bid contingency needed to address any unforeseen conditions that may arise during construction. This increase is also necessary to fund the electrical service, propane service, and accessibility improvements that weren't included in the original scope.

The project is a partnership between the Museum of Beer and Brewing and WHS. The Brewing Experience building, Wittnebel's Tavern, and a future biergarten will be a central focus of Old World Wisconsin's guest entry interpretive experience. The Wittnebel's Tavern and future

biergarten is more than a place to relax after a hike or tram ride around Old World Wisconsin but will also be an educational experience. This living exhibit is designed to provide an educational experience that ties Wisconsin's history in the brewing industry, its diverse cultural heritages from various European countries, the state's experiences during prohibition and the temperance movement, as well as water and sustainability of the brewing operation.

Immigration/cultural heritages will be a central educational focus. The era that will be focused on is during the heavy influx of European immigrants that migrated to the Midwest and set the stage for Wisconsin's beer brewing culture and heritage. The hops grown at Old World Wisconsin will be used in the 1860s-era beer production process. It's important to note that the public will be able to view all aspects of this process as apart of either a staff guided or self-tour. The Master Plan identified future building and utility infrastructure projects that should be undertaken to address systemic deficiencies at Old World Wisconsin.

BUDGET/SCHEDULE:

Construction	$1,758,000
Design	$530,100
DFDM Mgt	$78,000
Contingency	$175,800
Other Fees	$24,700
TOTAL	**$2,566,600**

SBC Approval	Dec 2020
A/E Selection	Jan 2019
Design Report	Aug 2020
Bid Opening	Oct 2020
Start Construction	Nov 2020
Substantial Completion	Jul 2021
Final Completion	Nov 2021

PREVIOUS ACTION: In August 2020, the SBC approved the design report, authorized increasing the budget by $516,600 ($232,000 EX-GFSB and $284,600 GIFTS), and authorized construction of the Old Brewery and Biergarten project for a revised estimated total cost of $2,166,600 ($1,934,600 GIFTS and $232,000 EX-GFSB).

This project was enumerated in 2017 Wisconsin Act 59 for $1,650,000 GIFTS.

Subcommittee	Full Commission

HIGHER EDUCATION

University of Wisconsin

6. UW-Madison – Bascom Hill/Lathrop Drive Utility Replacement, Phase II – Request the following:
   a) Approve the Design Report; and
   b) Authority to construct the Bascom Hill/Lathrop Drive Utility Replacement, Phase II project for an estimated total cost of $20,076,000 ($14,660,000 GFSB and $5,416,000 PRSB).

   This project was enumerated in 2019 Wisconsin Act 9 as part of the System-wide Utility Improvements project for $54,009,000 ($35,557,000 GFSB and $18,452,000 PRSB).

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #6

AGENCY: University of Wisconsin

UWSA CONTACT: Alex Roe, (608) 265-0551, aroe@uwsa.edu
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: UW-Madison, Dane County

PROJECT REQUEST: Request the following:

a) Approve the Design Report; and
b) Authority to construct the Bascom Hill/Lathrop Drive Utility Replacement, Phase II project for an estimated total cost of $20,076,000 ($14,660,000 GFSB and $5,416,000 PRSB).

PROJECT NUMBER: 19G2Q

PROJECT DESCRIPTION:
This project continues the underground utility renovation and replacements that began under Phase I (enumerated in 2017-19 biennium) and creates a new multi-discipline (civil, electrical, and mechanical) east-west central utility corridor from Chamberlain Hall and Sterling Hall to Park Street along Lathrop Drive. Civil utilities, including domestic water, sanitary sewer, and storm water piping will be replaced. Electrical utilities, including primary electrical power and telecommunications ductbank, cabling, and access pits will be replaced. These electric utilities will be located from Sterling Hall and Chamberlin Hall on the west to Chadbourne Hall on the east. All buildings along the corridor will either be reconnected to existing branch ductbanks or be provided with new ductbanks. Mechanical utilities will be installed in a newly constructed utility tunnel or concrete box conduit enclosure, including chilled water supply and return main lines, high-pressure and low-pressure steam supply and pumped condensate return piping, and compressed air. The steam tunnel replacement will be located from Lathrop Hall to Central Kitchen and the steam box conduit replacement will be located from Chadbourne Hall to North Park Street. Branch chilled water piping to University Avenue, the Law Building, Sterling Hall, and Van Vleck Hall will be replaced. Site restoration of all disturbed project areas is included in this project, including roadways, gutters, pedestrian walkways, landscaping features, and site structures. Modifications to Lathrop Drive will separate and accommodate both vehicular and pedestrian traffic.

PROJECT JUSTIFICATION:
Campus utilities are essential in supporting the instructional and research missions of the university. In 2005, UW-Madison completed a Utility Master Plan which recommended a comprehensive north campus utility improvements project and indicated that the utility systems should be replaced and/or relocated due to age, condition, and location. This request, in addition to the previous Phase I project, focuses on upgrades required to maintain support of current

underground utility functions and supply thermal, electric/communications, and civil utilities for facilities currently in construction or design.

The project site is one of the oldest and most historic areas on campus with many of the utilities approaching the end of their expected service life. This project will increase utility reliability, decrease operational costs, and rebuild the site utilities to be viable for the next 50 years. The piping will be increased in size where necessary to support current and future facilities and to provide additional system redundancy.

BUDGET/SCHEDULE:

Construction	$14,844,000
Design	$1,600,000
DFDM Mgt	$708,100
Contingency	$2,856,900
Other Fees	$67,000
TOTAL	**$20,076,000**

SBC Approval	Dec 2020
A/E Selection	Apr 2020
Design Report	Dec 2020
Bid Opening	Feb 2021
Start Construction	May 2021
Substantial Completion	Jun 2022
Final Completion	Dec 2022

PREVIOUS ACTION: This project was enumerated in 2019 Wisconsin Act 9 as part of the System-wide Utility Improvements project for $54,009,000 ($35,557,000 GFSB and $18,452,000 PRSB).

DESIGN REPORT

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

December 15, 2020

Bascom Hill/Lathrop Drive Utility Replacement, Phase II
UW-Madison
Madison, WI

Project Number: 19G2Q

For the: University of Wisconsin

Project Manager: Kristine Anderson

Architect/Engineer: Ring & DuChateau
Brookfield, WI

1. Project Description:

This project continues the underground utility renovation and replacements that began under Phase I (enumerated in 2017-19 biennium) and creates a new multi-discipline (civil, electrical, and mechanical) east-west central utility corridor from Chamberlain Hall and Sterling Hall to Park Street along Lathrop Drive. Civil utilities, including domestic water, sanitary sewer, and storm water piping will be replaced. Electrical utilities, including primary electrical power and telecommunications ductbank, cabling, and access pits will be replaced. These electric utilities will be located from Sterling Hall and Chamberlin Hall on the west to Chadbourne Hall on the east. All buildings along the corridor will either be reconnected to existing branch ductbanks or be provided with new ductbanks. Mechanical utilities will be installed in a newly constructed utility tunnel or concrete box conduit enclosure, including chilled water supply and return main lines, high-pressure and low-pressure steam supply and pumped condensate return piping, and compressed air. The steam tunnel replacement will be located from Lathrop Hall to Central Kitchen and the steam box conduit replacement will be located from Chadbourne Hall to North Park Street. Branch chilled water piping to University Avenue, the Law Building, Sterling Hall, and Van Vleck Hall will be replaced. Site restoration of all disturbed project areas is included in this project, including roadways, gutters, pedestrian walkways, landscaping features, and site structures. Modifications to Lathrop Drive will separate and accommodate both vehicular and pedestrian traffic.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 as part of the System-wide Utility Improvements project for $54,009,000 ($35,557,000 GFSB and $18,452,000 PRSB).

3. Schedule:

Bid Opening:	Feb 2021
Start of Construction:	May 2021
Substantial Completion / Occupancy:	Jun 2022

4. Budget Summary:

Construction:	$14,844,000
A/E Fees:	$1,600,000
DFDM Mgmt:	$708,100
Contingency:	$2,856,900
Other Fees:	$67,000
Total Project Cost:	**$20,076,000**

	Subcommittee	Full Commission
7. <u>UW-Madison – Veterinary Medicine Addition and Renovation</u> – Request the following: a) Approve the Design Report; and b) Authority to construct the Veterinary Medicine Addition and Renovation project for an estimated total cost of $128,103,000 ($90,103,000 GFSB and $38,000,000 GIFTS). This project was enumerated in 2019 Wisconsin Act 9 for $128,103,000 ($90,103,000 GFSB and $38,000,000 GIFTS).		

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #7

AGENCY: University of Wisconsin

UWSA CONTACT: Alex Roe, (608) 265-0551, aroe@uwsa.edu
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: UW-Madison, Dane County

PROJECT REQUEST: Request the following:

a) Approve the Design Report; and
b) Authority to construct the Veterinary Medicine Addition and Renovation project for an estimated total cost of $128,103,000 ($90,103,000 GFSB and $38,000,000 GIFTS).

PROJECT NUMBER: 18H2H

PROJECT DESCRIPTION:
This project constructs a new three-story building on the Lot 62 site, just north of the School of Veterinary Medicine (SVM) between Observatory and Linden Drives. The new facility will provide space for the small animal clinic and connect it to the existing clinic; construct new research, animal biosafety level 3, and biosafety level 2 and 3 laboratories; and include new offices, conference rooms, and shared collaboration/interaction spaces to support the teaching hospital. The clinical space will be expanded to increase access to the small and large animal isolation suites that are required to meet accreditation standards, increase the quantity of specialized surgery environments and equipment, provide imaging space for horses and cattle, and separate patient access to medical oncology services. This project will also renovate portions of the animal hospital and raze three buildings (Veterinary Diagnostics Laboratory, Farm House, and Storage Building I) at the SVM Charmany site.

PROJECT JUSTIFICATION:
The School of Veterinary Medicine facility (248,850 GSF) was constructed in 1983 and an 8,100 GSF addition was constructed in 2009 to house a tomography unit and associated clinical space. The School also occupies the SVM-Hanson Biosciences Building (43,500 GSF constructed in 1962) and has a large animal instructional facility located on Mineral Point Road. More SVM faculty research programs are scattered around campus in a variety of buildings, including the Biotron Laboratory and the Waisman Center. These facilities collectively house a veterinary medical teaching hospital, UW Veterinary Care, and instructional and research space.

The curriculum provides a broad education in veterinary medicine with learning experiences in food animal medicine and other specialty areas including human vaccinations for rare viruses such as Ebola, Zika, and other newly emerging diseases. Faculty in the school's four academic departments train 96 students each year in a four-year program leading to a Doctor of Veterinary Medicine (DVM) degree. In addition, the school provides exceptional graduate research training

in core areas of animal and human health through its Comparative Biomedical Sciences Graduate Degree Program. Students may also choose from a variety of dual degree options. The program has earned a reputation as one of the country's leading schools for veterinary medicine.

The small animal hospital was originally designed for ~12,000 cases annually, but now handles ~25,000 cases per year. To meet the current and projected demands of the clinical research program, instructional program, and public demand for specialty services, the case load is projected to increase even further and exceed the capacity of the current facilities. Veterinary medicine practice has evolved considerably since the original facility was designed, requiring more dedicated and specialized spaces. New facilities are required to implement the new diagnostic, treatment, and instructional methods available. The current facilities support an expanding array of extramurally funded research activity, which has grown from $2.6 million in 1991 to $28.6 million today. Consequently, research programs have outgrown existing space, and faculty are constrained by space, rather than by the ability to secure additional funding. New research space is essential for faculty retention and recruitment, to decompress and co-locate research programs, to allow existing programs to grow, and to foster new initiatives.

BUDGET/SCHEDULE:

Construction	$99,000,000
Design	$9,922,800
DFDM Mgt	$4,447,100
Contingency	$12,177,000
Equipment	$1,000,000
Other Fees	$1,556,100
TOTAL	**$128,103,000**

SBC Approval	Dec 2020
A/E Selection	Aug 2019
Design Report	Dec 2020
Bid Opening	Mar 2021
Start Construction	June 2021
Substantial Completion	Dec 2024
Final Completion	Jan 2025

PREVIOUS ACTION: This project was enumerated in 2019 Wisconsin Act 9 for $128,103,000 ($90,103,000 GFSB and $38,000,000 GIFTS).

DESIGN REPORT

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

December 15, 2020

Veterinary Medicine Addition and Renovation
UW-Madison
Madison, WI

Project Number: 18H2H

For the: University of Wisconsin

Project Manager: Wendy von Below

Architect/Engineer: Flad Architects
Madison, WI

1. Project Description:

This project constructs a new three-story building on the Lot 62 site, just north of the School of Veterinary Medicine (SVM) between Observatory and Linden Drives. The new facility will provide space for the small animal clinic and connect it to the existing clinic; construct new research, animal biosafety level 3, and biosafety level 2 and 3 laboratories; and include new offices, conference rooms, and shared collaboration/interaction spaces to support the teaching hospital. The clinical space will be expanded to increase access to the small and large animal isolation suites that are required to meet accreditation standards, increase the quantity of specialized surgery environments and equipment, provide imaging space for horses and cattle, and separate patient access to medical oncology services. This project will also renovate portions of the animal hospital and raze three buildings (Veterinary Diagnostics Laboratory, Farm House, and Storage Building I) at the SVM Charmany site.

2. Authorized Budget and Funding Source:

This project was enumerated by 2019 Wisconsin Act 9 at $128,103,000 ($90,103,000 GFSB and $38,000,000 GIFTS).

3. Schedule:

Bid Opening:	Mar 2021
Start of Construction:	Jun 2021
Substantial Completion / Occupancy:	Dec 2024

4. Budget Summary:

Construction:	$99,000,000
A/E Fees:	$9,922,800
DFDM Mgmt:	$4,447,100
Contingency:	$12,177,000
Equipment:	$1,000,000
Other Fees:	$1,556,100
Total Project Cost:	**$128,103,000**

Subcommittee	Full Commission

8. <u>UW-Milwaukee – Chemistry Building/Central Utilities Extension</u> – Request the following:
   a) Approve the Design Report; and
   b) Authority to construct the Chemistry Building/Central Utilities Extension project for an estimated total cost of $129,535,000 GFSB.

   This project was enumerated in 2019 Wisconsin Act 9 for $129,535,000 GFSB.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #8

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-Milwaukee, Milwaukee County

PROJECT REQUEST: Request the following:

a) Approve the Design Report; and
b) Authority to construct the Chemistry Building/Central Utilities Extension project for an estimated total cost of $129,535,000 GFSB.

PROJECT NUMBER: 18H3D

PROJECT DESCRIPTION:
This project constructs a new 162,723 GSF academic and research chemistry and bio-chemistry facility, to provide instructional and research laboratories, offices, collaboration/informal learning spaces, and all associated support spaces. The new facility will connect to the Kenwood Interdisciplinary Research Center (KIRC) and central campus utility services for shared service and support. The project will include central utility extensions and will allow the future connection of a replacement engineering facility and complete a service and support loop for the campus STEM facilities. The new utility services will be sized to accommodate all planned future development in the southwest quadrant of campus. The branch services connecting the new facility to KIRC will be partially enclosed in an underground, navigable utility tunnel and service passageway, and the remainder will be routed through the basement of KIRC.

The facility will have a structural system capable of flexible floor configurations that will facilitate future maintenance, repair, and renovation activities. Floors will be constructed to accommodate the use of an enthalpy wheel for heat recovery and to maximize energy performance. The building will be designed for energy efficiency and will have the capacity for intensive instructional and research activities. Instructional spaces will be smaller than the existing labs to improve safety and promote high utilization. Space planning will create a layout that provides a natural barrier of security and privacy, while locating instructional spaces proximate to research spaces for shared specialized equipment and operational oversight and to facilitate the growing trend of an increased role of undergraduate research in STEM education.

PROJECT JUSTIFICATION:
A building condition analysis was completed on the existing chemistry building to evaluate the cost of renovation and if the building could be reused. The study determined it is financially infeasible to augment the building's structural systems to accommodate the new code requirements, so the existing building cannot be comprehensively renovated to serve its original

purpose. A new building is needed to ensure continuity of chemistry instruction and research, which is a core component for STEM higher education.

The existing Chemistry Building (149,596 GSF) is a high-rise, eight-story, above-ground facility constructed in 1972, and the majority of the building infrastructure systems are original to the facility. It does not have a fire suppression system, nor proper fire compartmentalization control areas, such as pressurized stairwell towers and entry/egress vestibules. The building's structural system is designed to only support half of a live load of the current building code requirements for this type of space. The Chemistry Building does not meet current building code life safety requirements for hazardous chemical storage or safe egress. The quantity of chemicals stored in the facility has expanded beyond current safe storage capacities and safe chemical storage is both a building code, and accreditation requirement. There is limited solvent storage capacity, insufficient venting and exhaust for chemical storage and transfer areas, and inadequate separation of incompatible substances in storage. The lack of dedicated and specialized instrumentation rooms requires that computing equipment and sensitive instruments are located within the instructional laboratories, which results in premature equipment failure and poor data results, as the equipment is constantly exposed to harsh chemicals and fumes and must be continually relocated or repositioned to accommodate the daily instructional activities.

BUDGET/SCHEDULE:

Construction	$90,106,400
Design	$7,768,800
DFDM Mgt	$4,345,500
Contingency	$18,529,600
Equipment	$7,678,000
Other Fees	$1,106,700
TOTAL	**$129,535,000**

SBC Approval	Dec 2020
A/E Selection	Dec 2018
Design Report	Dec 2020
Bid Opening	Jun 2021
Start Construction	Sep 2021
Substantial Completion	Sep 2023
Final Completion	Dec 2023

PREVIOUS ACTION: This project was enumerated in 2019 Wisconsin Act 9 for $129,535,000 GFSB.

DESIGN REPORT

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

December 15, 2020

Chemistry Building and Central Utilities
UW-Milwaukee
Milwaukee, WI

Project Number: 18H3D

For the: University of Wisconsin

Project Manager: David Hoffman

Architect/Engineer: Kahler Slater
Milwaukee, WI

1. Project Description:

This project constructs a new 162,723 GSF academic and research chemistry and bio-chemistry facility, to provide instructional and research laboratories, offices, collaboration/informal learning spaces, and all associated support spaces. The new facility will connect to the Kenwood Interdisciplinary Research Center (KIRC) and central campus utility services for shared service and support. The project will include central utility extensions and will allow the future connection of a replacement engineering facility and complete a service and support loop for the campus STEM facilities. The new utility services will be sized to accommodate all planned future development in the southwest quadrant of campus. The branch services connecting the new facility to KIRC will be partially enclosed in an underground, navigable utility tunnel and service passageway, and the remainder will be routed through the basement of KIRC.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 for $129,535,000 GFSB.

3. Schedule:

Bid Opening:	Jun 2021
Start of Construction:	Sep 2021
Substantial Completion / Occupancy:	Sep 2023

4. Budget Summary:

Construction:	$90,106,400
A/E Fees:	$7,768,800
DFDM Mgmt:	$4,345,500
Contingency:	$18,529,600
Equipment:	$7,678,000
Other Fees:	$1,106,700
Total Project Cost:	**$129,535,000**

	Subcommittee	Full Commission
9. <u>UW-Milwaukee – Student Union Renovation</u> - Request the following: a) Approve the Design Report; and b) Authority to construct the Student Union Renovation project for an estimated total cost of $40,723,000 ($35,000,000 PRSB and $5,723,000 PR-CASH). This project was enumerated in 2019 Wisconsin Act 9 for $40,723,000 ($35,000,000 PRSB and $5,723,000 PR-CASH).		

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #9

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-Milwaukee, Milwaukee County

PROJECT REQUEST: Requests the following:

a) Approve the Design Report; and
b) Authority to construct the Student Union Renovation project for an estimated total cost of $40,723,000 ($35,000,000 PRSB and $5,723,000 PR-CASH).

PROJECT NUMBER: 18L2V

PROJECT DESCRIPTION:
This project renovates approximately 120,000 GSF of the 350,000 GSF Student Union. The project will include exterior envelope restoration and cleaning, minor site upgrades, selective roof replacement, and installing exterior building canopies at the Spaights Plaza and west Kenwood entries. Selective interior upgrades will be completed on the street level, campus level, and second and third floors. Major building system upgrades and additions will be included for the mechanical, electrical, and fire alarm systems, including expanding the existing penthouse and constructing a new mechanical penthouse. This project will integrate new fire protection in areas of level two or greater alteration. As a result of the penthouse upgrades and the additional canopies, structural reinforcement is needed for the existing system, foundations, and columns. The interior upgrades include finish and fit out, lighting, audio, visual, and technology upgrades and furniture.

PROJECT JUSTIFICATION:
The Student Union is located on the southern edge of the Kenwood campus, and consists of an original building and three major additions. It now includes student spaces, meeting rooms, a bookstore, space for retail, a food court, and a two-level, 461-stall parking structure. The original 25,671 GSF building, was enlarged to 351,632 GSF, and was last renovated in 1986.

The Student Union suffers from inadequate and obsolete building systems. The majority of building infrastructure in each section of the complex is original construction and is failing, energy inefficient, and does not meet current building codes (including life and safety building systems). The deteriorated exterior envelope has substandard thermal performance, is no longer weathertight, and is not energy efficient. Maintenance and repair of the building infrastructure is extremely challenging due to the minimal floor-to-floor heights of the structural system and the density of distribution ductwork, conduits, cables, wiring, and piping. Certain areas lack fire

suppression and the emergency generator cannot be repaired due to the unavailability of replacement parts.

The construction of multiple additions has resulted in confusing circulation patterns and dead ends, poor wayfinding, and a lack of visual access to emergency exits. Building entryways and circulation paths have inadequate widths and the interfaces between building additions have resulted in incongruent structures and enclosures that are prone to poor maintenance performance. Accessibility is limited to only one passenger elevator that connects all floor levels, and the freight elevator is inadequate in size and loading capacity for the facility's delivery demands. The loading dock is too small, poorly configured, and is functionally inadequate. The Student Union cannot meet the space demands or needs for several space types: student study and lounge space, dining support and seating areas, and open informal interconnected spaces. The available spaces for these uses are inflexible and too small.

BUDGET/SCHEDULE:

Construction	$28,515,400
Design	$2,485,000
DFDM Mgt	$1,318,600
Contingency	$4,449,000
Equipment	$3,750,000
Other Fees	$205,000
TOTAL	**$40,723,000**

SBC Approval	Dec 2020
A/E Selection	May 2019
Design Report	Dec 2020
Bid Opening	Apr 2021
Start Construction	Jul 2021
Substantial Completion	Mar 2023
Final Completion	Dec 2023

PREVIOUS ACTION: This project was enumerated in 2019 Wisconsin Act 9 for $40,723,000 ($35,000,000 PRSB and $5,723,000 PR-CASH).

DESIGN REPORT

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

December 15, 2020

Student Union Renovation
UW-Milwaukee
Milwaukee, WI

Project Number: 18L2V

For the: University of Wisconsin

Project Manager: David Hoffman

Architect/Engineer: HGA Inc.
Milwaukee, WI

1. Project Description:

This project renovates approximately 120,000 GASF of the 350,000 GSF Student Union. The project will include exterior envelope restoration and cleaning, minor site upgrades, selective roof replacement, and installing exterior building canopies at the Spaights Plaza and west Kenwood entries. Selective interior upgrades will be completed on the street level, campus level, and second and third floors. Major building system upgrades and additions will be included for the mechanical, electrical, and fire alarm systems, including expanding the existing penthouse and constructing a new mechanical penthouse. This project will integrate new fire protection in areas of level two or greater alteration. As a result of the penthouse upgrades and the additional canopies, structural reinforcement is needed for the existing system, foundations, and columns. The interior upgrades include finish and fit out, lighting, audio, visual, and technology upgrades and furniture.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 for $40,723,000 ($35,000,000 PRSB and $5,723,000 PR-CASH).

3. Schedule:

Bid Opening:	Apr 2021
Start of Construction:	Jul 2021
Substantial Completion / Occupancy:	Mar 2023

4. Budget Summary:

Construction:	$28,515,400
A/E Fees:	$2,485,000
DFDM Mgmt:	$1,318,600
Contingency:	$4,449,000
Equipment:	$3,750,000
Other Fees:	$205,000
Total Project Cost:	**$40,723,000**

Subcommittee	Full Commission

10. <u>UW-Milwaukee – Engineering Building Replacement BTF Release</u> – Request the release of $500,000 Building Trust Funds (BTF)-Planning to develop preliminary plans and specifications for the construction of the Engineering Building Replacement project.

    This project was allocated $500,000 BTF-Planning for preliminary planning and specifications in 2019 Wisconsin Act 9.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #10

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-Milwaukee, Milwaukee County

PROJECT REQUEST: Request the release of $500,000 Building Trust Funds (BTF)-Planning to develop preliminary plans and specifications for the construction of the Engineering Building Replacement project.

PROJECT NUMBER: 19J3I

PROJECT DESCRIPTION:
This project demolishes the 108,329 GSF Physics Building, prepares the site, and constructs a partial replacement Engineering Building along with the associated and necessary extension of central campus utilities. The new 93,000 GSF facility will include a flexible and collaborative laboratory cluster that supports core courses, interdisciplinary spaces, first-year engineering, and provides adequate and appropriate support areas. The facility will serve as the new home for the three-year-old Biomedical Engineering program and creates new instructional spaces to serve the electrical, environmental, industrial, and mechanical engineering programs. Relocating these spaces from the Engineering and Mathematical Sciences building will provide some temporary relief to the civil, manufacturing, and materials engineering programs, as well as computer sciences, which will remain located in that building until the facility can be renovated to specifically accommodate those programs.

Estimated Budget: $118,441,000

PREVIOUS ACTION: This project was allocated $500,000 BTF-Planning for preliminary planning and specifications in 2019 Wisconsin Act 9.

Subcommittee	Full Commission

11. <u>UW-System – 2019-21 Classroom Renovations/ Instructional Technology Improvements</u> – Request the following:
    a) Authority to release $3,669,000 GFSB of the $31,689,000 GFSB of the 2019-21 Classroom Renovations/Instructional Technology Improvements enumeration;
    b) Authority to construct the related Classroom Renovation/Instructional Technology projects for an estimated total cost of $3,669,000 GFSB; and
    c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Classroom Renovations/Instructional Technology		**$3,669,000**
WTW	IS Center for the Arts Sculpture Lab Reno ($3,001,000 GFSB)	$3,001,000
MIL	Holton Active Learning Classroom Reno ($668,000 GFSB)	$668,000

In October 2020, the SBC approved UW-Milwaukee Multi-Building Exterior Envelope Repair and UW-Platteville Karmann Library HVAC/Skylight projects for an estimated total cost of $8,506,000 GFSB.

These projects are subsets of the UW-System Classroom Renovations/Instructional Technology Improvements enumeration of $31,689,000 GFSB in 2019 Wisconsin Act 9.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #11

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: Requests the following:

a) Authority to release $3,669,000 GFSB of the $31,689,000 GFSB of the 2019-21 Classroom Renovations/Instructional Technology Improvements enumeration;
b) Authority to construct the related Classroom Renovation/Instructional Technology projects for an estimated total cost of $3,669,000 GFSB; and
c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

CLASSROOM RENOVATIONS/INSTRUCTIONAL TECHNOLOGY

Institution	Project No.	Project Title	GFSB	TOTAL
WHITEWATER (Walworth Co.)	19G3L	IS Center for the Arts Sculpture Lab Renovation	$3,001,000	$3,001,000
MILWAUKEE (Milwaukee Co.)	19G3O	Holton Hall Active Learning Classroom Renovation	$668,000	$668,000
		SUBTOTAL	$3,669,000	$3,669,000

	GFSB	TOTAL
DECEMBER 2020 TOTALS	$3,669,000	$3,669,000

UW-Whitewater – IS Center for the Arts Sculpture Laboratory Renovation (19G3L):

Project Description and Justification:
This project will reconfigure the Arts Sculpture Lab to meet current safety, health and ventilation requirements for sculpture and metal fabrication, coating, etching, and other standard related techniques. Relocating the foundry to an adjacent unconditioned 865 SF addition and renovating of the 3,235 SF Sculpture Lab provides separated process areas per accreditation, ASHREA, OSHA, and EPA requirements. Improved lighting and technology will better meet current and future programmatic needs.

Budget/Schedule:

Construction	$2,022,500
Design	$206,500
DFDM Mgt	$90,700
Contingency	$242,600
Equipment	$436,000
Other Fees	$2,700
TOTAL	**$3,001,000**

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

UW-Milwaukee – Holton Hall Active Learning Classroom Renovation (19G3O):

Project Description and Justification:
The intent of this project is to take three existing classrooms and turn them into a single state-of-the-art Active Learning Classroom. This will be done by removing two demising walls to open the space. Two unneeded doors will be removed to clean up the side wall of the room. The project will install a new ceiling, new carpeting, and new lighting throughout the renovated space. The existing ceiling mounted chilled beam HVAC system will remain. Additional baseboard radiators will be installed under the existing windows. Computer systems will be installed to meet the university's standards. Monitors will be rigidly mounted to the walls with an architectural feature surround to contain speakers, volume controls, lighting controls, and power ports. All furniture is to be free standing and mobile.

Budget/Schedule:

Construction	$468,200
Design	$67,600
DFDM Mgt	$21,200
Contingency	$60,300
Equipment	$49,500
Other Fees	$1,200
TOTAL	**$668,000**

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

Previous Action: In October 2020, the SBC approved UW-Milwaukee Multi-Building Exterior Envelope Repair and UW-Platteville Karmann Library HVAC/Skylight projects for an estimated total cost of $8,506,000 GFSB.

These projects are subsets of the UW-System Classroom Renovations/Instructional Technology Improvements enumeration of $31,689,000 GFSB in 2019 Wisconsin Act 9.

Subcommittee | Full Commission

12. UW-System – 2019-21 Minor Facilities Renewal Program, Group 1 – Request the following:
    a) Authority to release $11,782,200 ($9,768,200 GFSB and $2,014,000 PRSB) of the $30,000,000 ($22,000,000 GFSB and $8,000,000 PRSB) allocation in the 2019-21 Minor Facilities Renewal Program, Group 1 enumeration;
    b) Authority to construct the related projects for an estimated total cost of $11,782,200; and
    c) Permit the Division of Facilities Development and Management to adjust individual project budgets within the funding enumerated for the University of Wisconsin System Minor Facilities Renewal Program, Group 1.

Minor Facilities Renewal Program, Group 1		**$11,782,200**
MKE	EMS Bldg MEP Infrastructure Reno ($6,558,700 GFSB)	$6,558,700
STO	Site Utility Steam Distr System Repl ($3,209,500 GFSB; $2,014,000 PRSB)	$5,223,500

In August 2020, the SBC approved UW-Green Bay – Mary Ann Cofrin Hall/Wood Hall Exterior Envelope Repair for an estimated total cost of $6,058,300 GFSB.

These projects were enumerated in 2019 Wisconsin Act 9 as part of the University of Wisconsin System Minor Facilities Renewal Program, Group 1 enumeration of $30,000,000 ($22,000,000 GFSB and $8,000,000 PRSB).

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #12

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 release $11,782,200 ($9,768,200 GFSB and $2,014,000 PRSB) of the $30,000,000 ($22,000,000 GFSB and $8,000,000 PRSB) allocation in the 2019-21 Minor Facilities Renewal Program, Group 1 enumeration;
b) Authority to construct the related projects for an estimated total cost of $11,782,200; and
c) Permit the Division of Facilities Development and Management to adjust individual project budgets within the funding enumerated for the University of Wisconsin System Minor Facilities Renewal Program, Group 1.

MINOR FACILITIES RENEWAL, GROUP 1

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	TOTAL
MILWAUKEE (Milwaukee Co.)	19G2B	EMS Building MEP Infrastructure Renovation	$6,558,700	$0	$6,558,700
STOUT (Dunn Co.)	19G2A	Site Utility Steam Distribution System Replace	$3,209,500	$2,014,000	$5,223,500
		MFR, GROUP 1 SUBTOTALS	$9,768,200	$2,014,000	$11,782,200

	GFSB	PRSB	TOTAL
DECEMBER 2020 TOTALS	$9,768,200	$2,014,000	$11,782,200

UW-Milwaukee – Engineering and Mathematical Sciences Building Mechanical/Electrical/ Plumbing Systems Infrastructure Renovation (19G2B):

Project Description and Justification:

This project renovates 13,398 GSF on the ninth and tenth floors to create new flexible laboratory space for the School of Engineering. Project work includes demolishing the closed, cellular laboratory spaces and constructing new open laboratories, including new partition walls, laboratory sinks and casework, fume hoods, laboratory air and gas services, supporting electrical power and telecommunication services, and architectural finishes. The mechanical and ventilation systems will be extended and reconfigured as needed to accommodate the new laboratory layouts and fume hood locations. New restrooms on each floor will also be provided.

The Engineering & Mathematical Sciences (EMS) Building was constructed in 1968 and most of the building infrastructure systems are original. A campus master plan was completed in 2010 and it designated the southwest corner of the Kenwood Campus as the Science, Technology,

Engineering and Health precinct. In 2015, the Southwest Quadrant (SWQ) Redevelopment Plan identified more detailed needs, conditions, growth projections, and goals for the STEM and Health related disciplines. Three priorities were included in that planning effort and advanced to a more detailed programming level and budgetary estimates. Those three priorities are a new Academic and Research Building, SWQ Steam and Chilled Water Utility Extensions, and Three Building (Chemistry, Cunningham, and Engineering & Mathematical Sciences) repair and remodeling projects. This project request completes essential repairs and enhancements to extend the safe operation of the building and laboratories in the EMS Building. The proposed new open laboratory configuration will provide a more flexible environment than the current closed cellular laboratory layout that dominates the building, allowing for higher utilization and suitability for scientifically advanced applications.

Budget/Schedule:

Construction	$4,348,200
Design	$539,500
DFDM Mgt	$191,400
Contingency	$434,800
Equipment	$1,036,800
Other Fees	$8,000
TOTAL	**$6,558,700**

SBC Approval	Dec 2020
A/E Selection	Sep 2019
Design Report	Oct 2020
Bid Opening	May 2021
Start Construction	Jul 2021
Substantial Completion	Jul 2022
Final Completion	Dec 2022

UW-Stout – Site Utility Steam Distribution System Replacement (19G2A):

Project Description and Justification:
This project replaces three utility pits and approximately 1,431 LF of underground concrete box conduit, steam, and pumped condensate return lines located under State Highway 25/29 with approximately 1,900 LF of relocated direct buried lines on campus property. Project work includes replacing seven sections of underground steam and pumped condensate return ductbank and three utility pits across campus (Pits 17, 22, and 24). This work will be accomplished in phases. Phase I completes the highest priority 985 LF leading from Pit 18 through Pits 17, 24, and 27 to Bowman Hall, and replaces Pits 17 and 24. Phase II completes the remaining 446 LF from the Heating Plant through Pits 19, 21, and 22 to the Communications Technology Building and replaces Pit 22.

This project will abandon the steam lines under the Broadway Avenue right-of-way and replace them with new sections located on campus property. The new sections will be sized to meet current and anticipated future demand loads and create a campus steam loop to serve the north campus and the Administration Building. This project also replaces steam line sections serving the Communications Technology, Heritage Hall, and Fryklund Hall facilities. Work in all project areas disturbed includes site restoration of landscaping, turf, retaining wall, fencing, signage, site grades, pavements and pavement markings, concrete stairways and railings, and concrete curb and gutter. Project work includes traffic control along State Highway 25/29, associated electrical and utility connections within the affected buildings, surface demolition, and site restoration.

This project will improve the capacity and reliability of the central steam utility distribution system, including creating a loop system for the north campus. The sections of underground utilities included in this project range in age from 1952 to 1990. The section of duct bank underneath Broadway Avenue was installed in the right-of-way in 1990 when campus boundaries were expanded to accommodate roadway improvements. One of the utility pits has a structural column supporting the concrete ceiling and piping which is compromised due to rust deterioration. The concrete ceiling is spalling and also shows signs of failure. Pit 17 shows significant deterioration due to its location within the roadway. Pit 22 is only 4 feet deep and impossible to service when the steam system is active. Pit 24 is also located in the roadway and will be relocated to the right-of-way.

Budget/Schedule:

Construction	$4,195,000
Design	$424,400
DFDM Mgt	$184,600
Contingency	$419,500
TOTAL	**$5,223,500**

SBC Approval	Dec 2020
A/E Selection	Sep 2019
Design Report	Oct 2020
Bid Opening	Mar 2021
Start Construction	May 2021
Substantial Completion	Nov 2021
Final Completion	Jun 2022

Previous Action: In August 2020, the SBC approved UW-Green Bay – Mary Ann Cofrin Hall/Wood Hall Exterior Envelope Repair for an estimated total cost of $6,058,300 GFSB.

These projects were enumerated in 2019 Wisconsin Act 9 as part of the University of Wisconsin System Minor Facilities Renewal Program, Group 1 enumeration of $30,000,000 ($22,000,000 GFSB and $8,000,000 PRSB).

Subcommittee	Full Commission

13. <u>UW-System – Various All Agency Projects</u> – Request the following:
    a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $4,992,200 ($2,030,100 GFSB; $900,000 PRSB; $1,374,100 PR-CASH; and $688,000 GIFTS);
    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		**$1,532,300**
MSN	WVDL-Barron AHU F1-4 Repl ($544,300 GFSB)	$544,300
PKS	Sport/Activity Ctr Bleacher Repl ($300,000 PR-CASH; $688,000 GIFTS)	$988,000
Utility Repair and Renovation		**$3,459,900**
MSN	Charter St. Chilled Water Valve Repl ($1,380,800 GFSB; $485,100 PR-CASH)	$1,865,900
WTW	Parking Lot 17 Reconstruction ($105,000 GFSB; $510,000 PR-CASH)	$615,000
WTW	Perkins Stadium Turf Replacement ($900,000 PRSB; $79,000 PR-CASH)	$979,000

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
DECEMBER 2020
REQUEST #13

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 $4,992,200 ($2,030,100 GFSB; $900,000 PRSB; $1,374,100 PR-CASH; and $688,000 GIFTS);
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	GIFT	TOTAL
MADISON (Dane Co.)	19J3Y	WVDL-Barron Air Handling Units F1-4 Replace	$544,300	$0	$0	$0	$544,300
PARKSIDE (Kenosha Co.)	19I2K	Sports & Activity Center Bleacher Replacement	$0	$0	$300,000	$688,000	$988,000
		FMR SUBTOTALS	$544,300	$0	$300,000	$688,000	$1,532,300

UTILITY REPAIR AND RENOVATION

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	PR-CASH	GIFT	TOTAL
MADISON (Dane Co.)	18A1Y	Charter St. Chilled Water Valves Replacement	$1,380,800	$0	$485,100	$0	$1,865,900
WHITEWATER (Jefferson Co.)	19F2W	Parking Lot 17 Reconstruction	$105,000	$0	$510,000	$0	$615,000
WHITEWATER (Jefferson Co.)	20A3D	Perkins Stadium Turf Replacement	$0	$900,000	$79,000	$0	$979,000
		URR SUBTOTALS	$1,485,800	$900,000	$1,074,100	$0	$3,459,900

	GFSB	PRSB	PR-CASH	GIFT	TOTAL
DECEMBER 2020 TOTALS	$2,030,100	$900,000	$1,374,100	$688,000	$4,992,200

Facility Maintenance and Repair

UW-Madison – Wisconsin Veterinary Diagnostic Laboratory Barron County Air Handling Units F1-4 Replacement (19J3Y):

Project Description and Justification:
This project replaces four furnaces in the Wisconsin Veterinary Diagnostic Laboratory in Barron County located in Mechanical Room 111. Project work includes removal and disposal of furnace F-1 (serving offices and support areas in the west half of facility) and replacement with a new,110,000 BTU/5-ton, natural gas, forced air furnace. Existing ductwork, direct expansion air conditioning coil, electrical power, and thermostat controls will be reconnected. The PVC vent pipe and return air duct will be modified as needed for the replacement furnace unit installation.

The Wisconsin Veterinary Diagnostic Laboratory in Barron County contains a mix of office space, biosafety level 2 labs, and chemical usage labs. The original design from 1992 did not account for the laboratory exhaust installed in the building, and the HVAC system lacks make-up air features. This creates a negative building pressure condition and affects the performance of the building and mechanical system. There are multiple laboratory types in this building, including necropsy/histology. There are fume hoods and biological safety cabinets in these spaces. Each laboratory is served by one or more exhaust fans, which are operated independently from the rest of the HVAC system based on laboratory use practices. When these fans are activated, the makeup air draws from all the cracks in the building, exterior windows, and doors to create a negative building pressure. During periods of extreme cold or extreme heat and humidity, the furnaces do not have the capacity to maintain building environmental conditions. The laboratory exhaust does not conform to stack height and velocity standards, which increases the risk of re-entrainment of contaminated air.

Budget/Schedule:

Construction	$420,000
Design	$42,000
DFDM Mgt	$19,300
Contingency	$63,000
TOTAL	**$544,300**

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

Previous Action: None.

UW-Parkside – Sports & Activity Center Bleacher Replacement (19I2K):

Project Description and Justification:
This project replaces the original telescoping, motorized wood bleachers with new code compliant units and renovates adjacent space to create replacement seating and lounge areas to offset seating capacity lost by the required bleacher code upgrades. Project work includes removal and proper disposal of the existing telescoping and motorized wooden bleacher system, which consists of two equal-sized banks of bleachers, 20 rows high and 86 LF, with a total seating capacity of 2,040. Removal includes, but is not limited to the understructure, fasteners, drive mechanism, controls, railings, wheels. Disposal will be handled off campus.

Project work also includes furnishing and installing two new powered platform seating systems with seat backs to accommodate a reduced seating capacity of 1,676. The new seating systems will include new controls, self-storing railings, side curtains, with an ability to accommodate a media platform. The new bleachers will conform to all current standards and codes. This project will also require an extension or modification of the electrical power supply for seating system controls and drive mechanisms and may also require modifications to the existing floor transition between the masonry and finished wooden gym floor. This project also renovates an adjacent, underutilized conference room (175 ASF) on the second floor and adjacent storage space (750 ASF) on the ground floor to recapture up to 67 of the 364 lost seating capacity with new elevated and courtside VIP seating.

The telescoping wooden bleachers are original to the facility, which was constructed in 1972. Annually, there are boards that need to be removed and replaced due to warping and cracking. The existing structure does not meet current egress codes and it is not economically practical to upgrade these original units. The gymnasium hosts bi-annual commencement ceremonies for both UW-Parkside and Gateway Technical College. The current bleachers do not enhance the game day experience for spectators in the gymnasium as they do not have seat backs, have a narrow seating profile, and lack simple amenities such as cup holders. The current bleachers also detract from the recruitment profile for sports utilizing the gymnasium, as local high school gymnasiums have more modern seating than is available at UW-Parkside.

Budget/Schedule:

Construction	$743,800
Design	$91,000
DFDM Mgt	$34,500
Contingency	$118,000
Other Fees	$700
TOTAL	**$988,000**

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

Previous Action: None.

Utility Repair and Renovation

UW-Madison – Charter Street Chilled Water Valves Replacement (18A1Y):

Project Description and Justification:
This project replaces two sets of chilled water isolation valves at the intersection of North Charter Street and Johnson Street and installs one new set of chilled water isolation valves on West Dayton Street. Project work includes replacing underground, manual isolation valves in the 30-inch chilled water supply and return mains located at the northeast and southeast corners of the North Charter Street and Johnson Street intersection. New underground, manual isolation valves will be installed in the 24-inch chilled water supply and return mains that head east along West Dayton Street, between North Charter Street and North Mills Street.The construction of this project will be conducted in two phases. The first phase will excavate the chilled water supply and return pipes at each valve location to determine the required pipe lengths, joint types, closure pieces, etc. for each pipe section or segment and provide temporary pavement or other

means of traversing the excavation sites. The second phase will re-excavate the same sites and install the new piping and valves. Upon completion of the valve replacements and installations, each disturbed site will be fully restored including roadways, curbs, gutters, terrace areas, trees, sidewalks, landscaping features, and site structures.

The failed isolation valves can no longer provide a positive shutoff of the campus chilled water system. As a result of these failures, the entire eastern half of the campus chilled water system can no longer be isolated. In the event of a failure of any of the piping east of Charter Street, there will not be a means to isolate that half of the system and the only way to provide isolation would be to shut down the Charter Street cooling operations. Timing of this project is critical as the most opportune time to perform this work is during the winter months when the campus chilled water demand is at its lowest. Some buildings will still require alternative temporary cooling while these valves are being installed.

Budget/Schedule:

Construction	$1,433,900
Design	$150,900
DFDM Mgt	$66,000
Contingency	$215,100
TOTAL	**$1,865,900**

SBC Approval	Dec 2020
A/E Selection	Feb 2018
Bid Opening	May 2021
Start Construction	Jul 2021
Substantial Completion	May 2022
Final Completion	Aug 2022

Previous Action: None.

UW-Whitewater – Parking Lot 17 Reconstruction (19F2W):

Project Description and Justification:
This project reconstructs Lot 17, including the access drive along Fischer Hall, and replaces the associated underground domestic water, sanitary sewer, and storm sewer lines. Project work includes milling or removing the asphalt with additional base course installed as necessary, removing all soft spots and bridging them with a 3-inch breaker run. The storm sewer running the length of the parking lot will be upsized to handle the increased storm water flow from recent projects. The sanitary sewer was recently televised and found to be full of rock. The cast iron watermain was recently uncovered and found to be rusted and pitted. This project will provide services to repair or replace the sanitary line and the domestic watermain. Other work includes replacing any damaged curb and gutter and replacing any block catch manholes with a pre-cast option.

Parking Lot 17 is in extremely poor condition and is the parking lot in the worst shape on campus. This project was delayed so any recent construction traffic from the new residence hall and Heating Plant expansion did not damage a new lot. Damage and deterioration to the lot surface (thermal and mat seam cracks, potholes) are beyond repair and a full reconstruction is required. The underground utilities under this lot have both capacity and integrity issues that need to be resolved and replaced before failure occurs.

Budget/Schedule:

Construction	$472,200
Design	$50,000
DFDM Mgt	$21,800
Contingency	$71,000
TOTAL	**$615,000**

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

Previous Action: None.

UW-Whitewater – Perkins Stadium Turf Replacement (20A3D):

Project Description and Justification:
This project replaces the synthetic turf at Perkins Stadium. Project work includes replacing the synthetic turf playing surface and augmenting and modifying the subsurface base as required to accept the replacement material. The new playing surface will include all football, center logo, and endzone markings. The concrete and synthetic walkways around the field will be partially removed and replaced with the field playing surface.

Artificial football field turf needs to be replaced approximately every seven to ten years. Common issues experienced include loose inlays that pose tripping hazards, splitting and shedding turf fibers, worn field appearance and colors, excessive infill displacement, and uneven wear between the inlays and main field turf area. Safety features of the field also decrease with age and use, including infill displacement and compaction, resulting in less cushion and producing an associated higher risk of concussions.

Budget/Schedule:

Construction	$800,500
Design	$56,500
DFDM Mgt	$35,300
Contingency	$80,000
Other Fees	$6,700
TOTAL	**$979,000**

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

Previous Action: None.