State of Wisconsin
Building Commission

TONY EVERS
Governor

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

Wednesday, August 12, 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.

Wednesday, August 12, 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.

Wednesday, August 12, 2020

3:30 p.m.

To be broadcast via WisconsinEye: wiseye.org/live

	Subcommittee	Full Commission
The Secretary requests approval of the minutes of May 20, 2020.	No action required.	
DEBT MANAGEMENT		
1. Debt Authorizing Resolution - 2020 State of Wisconsin Building Commission Resolution 6 grants certain state agencies new debt authority in an amount not to exceed $33,250,000 and continuation of previously approved debt authority in an amount not to exceed $855,906,468, to allow these state agencies to enter into contracts relating to various borrowing purposes which will be funded by subsequent issuances of general obligation debt.	No action required.	

Subcommittee	Full Commission

ADMINISTRATIVE AFFAIRS

Department of Administration

2. Small Project Program Funding – The Department of Administration requests the release of $14,851,000 2019-21 All Agency GFSB funding and the authority to allow the Division of Facilities Development and Management to transfer funds between Small Project accounts:
   a) $7,000,000 Z060 Facilities Repair/Wisbuild to Z070 SP Facility Repair/Renovation;
   b) $2,000,000 Z080 Utility Repair/Renovation to Z090 SP Utility Repair/Renovation;
   c) $2,000,000 Z060 Facilities Repair/Wisbuild to Z090 SP Utility Repair/Renovation;
   d) $451,000 Z100 Health & Safety to Z110 SP-Health & Safety;
   e) $2,000,000 Z060 Facilities Repair/Wisbuild to Z240 SP Road Maintenance; and
   f) $1,400,000 Z060 Facilities Repair/Wisbuild to Z260 SP Facility Repair Roofing.

   DNR Funding Transfer - The Department of Administration, on behalf of the Department of Natural Resources, is requesting the release of $1,600,000 TA310 Property Development Projects (20-21) to TA320 Small Projects Stewardship (20-21).

   DOA Funding Transfer - The Department of Administration is requesting the release of $2,500,000 Y2400 Facilities Repair/Renovation to Y2700 SP-Facility Repair.

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

Date: August 12, 2020

To: SBC Members

From: Naomi De Mers, Secretary

Subject: Small Project Program Funding Transfer Request for the August 2020 State Building Commission Meeting

Small Project Program Funding Request – The Department of Administration requests the release of $14,851,000 2019-21 All Agency GFSB funding and the authority to allow the Division of Facilities Development and Management to transfer funds between Small Project accounts:

$7,000,000 Z060 Facilities Repair/Wisbuild to Z070 SP Facility Repair/Renovation

$2,000,000 Z080 Utility Repair/Renovation to Z090 SP Utility Repair/Renovation

$2,000,000 Z060 Facilities Repair/Wisbuild to Z090 SP Utility Repair/Renovation

$451,000 Z100 Health & Safety to Z110 SP-Health & Safety

$2,000,000 Z060 Facilities Repair/Wisbuild to Z240 SP Road Maintenance

$1,400,000 Z060 Facilities Repair/Wisbuild to Z260 SP Facility Repair Roofing

DNR funding Transfer – The Department of Administration, on behalf of the Department of Natural Resources, is requesting the release of $1,600,000 TA310 Property Development Projects (20-21) to TA320 Small Projects Stewardship (20-21).

DOA Funding Transfer – The Department of Administration is requesting the release of $2,500,000 Y2400 Facilities Repair/Renovation to Y2700 SP-Facility Repair – Small Project.

Agencies and statewide institutions submit funding requests for small maintenance and repair projects through this program. Approved projects include a wide range of facility repairs and improvements.

This request supports the agencies' small projects to maintain and repair existing facilities.

This is the second requested release of funds from the 2019-21 Capital Budget for the Small Project Program. Prior to this request, the last request for a small projects allocation was in October 2019.

State agencies have opened 376 small projects with an estimated budget of $35 million (all funds) from October 2019 to July 2020.

Of this total, UW System campuses were the largest user of the Small Projects Program having opened 116 projects totaling $12.6 million (all funds), or 36% of the total initiated since October 2019.

Second to UW System, the Department of Corrections opened 94 projects with an estimated budget of $8.1 million (all funds), representing 23% of the total.

The third largest user of the Small Projects Program has been the Department of Health Services. Since October 2019, the Department of Health Services opened 38 projects with an estimated budget of $5.2 million (all funds).

Taken together, these three agencies represent 248 projects, totaling $25.9 million (all funds) or approximately 66% of the total. The other 9 agencies that have established projects since October 2019 (DOA, DMA, DOT, ECB, etc.) initiated 128 projects with an estimated budget of $9.1 million (all funds).

	Subcommittee	Full Commission
3. Hill Farms DEL Complex – Low Pressure Steam Plant – Request authority to construct a Low Pressure Steam Plant in Building D at the Hill Farms DEL Complex for an estimated total cost of $2,871,000 PRSB.		

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
AUGUST 2020
REQUEST #3

AGENCY: Department of Administration

DOA CONTACT: Paula Veltum, (608) 266-3086, paula.veltum@wisconsin.gov
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Hill Farms DEL Complex, Dane County

PROJECT REQUEST: Request authority to construct a Low Pressure Steam Plant in Building D at the Hill Farms DEL Complex for an estimated total cost of $2,871,000 PRSB.

PROJECT NUMBER: 19A2I

PROJECT DESCRIPTION:
This is Phase I of a two-phased project to provide heating distribution upgrades to the Hill Farms DEL Building Complex. The DEL Buildings are attached with Building D and Building E sharing common walls with the centrally located Building L. Currently, the Hill Farms Heating Plant services these buildings. Phase I constructs a fully operational low pressure (LP) steam plant within Hill Farms Building D and a heating distribution upgrade to the entire DEL Building Complex. Project scope includes the following: the remodeled basement mechanical room in Building D will house new boilers, feedwater tank, a new pressure reducing station, new steam to hot water heat exchanger, new ventilation system and all associated controls. The flue for the boilers will be routed through the building in a new chase that terminates high above the mechanical penthouse on the roof. In addition, the plant will utilize existing pressure reducing stations and condensate pumps in Building E and Building L. New high-pressure steam piping will be run across the roof of Building L and back down to the mechanical room.

PROJECT JUSTIFICATION:
The existing Hill Farms Heating Plant (HFHP) is located behind the Hill Farms DEL State Office Building Complex, in the 4600 block of University Avenue in Madison. The HFHP was originally constructed in 1961 to provide steam generated heat and humidification for the entire Hill Farms campus – which also included Buildings A & B. However, these buildings were demolished in 2018 during the Hill Farms Re-development project. The new Hill Farms State Office Building has dedicated heating equipment and does not need steam from the HFHP. Currently, the HFHP provides service only to the Hill Farms DEL Buildings.

Removal of Hill Farms A & B Buildings caused an estimated 60% reduction to HFHP facility loads. As a result, the existing plant is oversized for its current and anticipated future demand as there are no planned expansions or new buildings anticipated at the Hill Farms DEL site. Additionally, the existing HFHP is expensive to operate and requires on-going maintenance. Plant operational costs are high due to requiring on-site boiler operators 24/7 to ensure the proper operation of the facility, as well as increased energy costs associated with older and less efficient

boilers that are operating at a fraction of their capacity. Continuing to operate the oversized boilers is not sustainable for long-term operations.

The Department anticipates that the HFHP will maintain its current steam generating capacity to the DEL Complex only until construction of the new LP Steam Plant in Building D is completed and fully operational. Once that occurs, Phase II for the demolition of the HFHP will be requested.

BUDGET/SCHEDULE:

Construction	$2,100,000
Design	$352,700
DFDM Mgt	$96,600
Contingency	$315,000
Other Fees	$6,700
TOTAL	**$2,871,000**

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

PREVIOUS ACTION: None.

Subcommittee	Full Commission

Department of Corrections

4. Waupun State Farm – Upgrade (Increase) – Request authority to increase the project budget for the Waupun State Farm Upgrade project by $313,600 PR-CASH to accept bids received for a revised estimated total cost of $4,244,600 PR-CASH.

   In April 2018, the SBC granted authority to construct the Waupun State Farm Upgrade project for an estimated total cost of $3,931,000 PR-CASH.

   The Bureau of Correctional Enterprises - Waupun and Fox Lake Farms Upgrades project was enumerated in 2015 Wisconsin Act 55 for $5,500,000 PR-CASH.

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

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: Waupun State Farm, Dodge County

PROJECT REQUEST: Request authority to increase the project budget for the Waupun State Farm Upgrade project by $313,600 PR-CASH to accept bids received for a revised estimated total cost of $4,244,600 PR-CASH.

PROJECT NUMBER: 16D1E

PROJECT DESCRIPTION:
This project would upgrade the farm infrastructure and facilities to improve and maintain consistent milk production levels. The project scope includes: abandoning the main waste storage facility and replacement with a 4-million-gallon round, pre-engineered, concrete waste storage lagoon; constructing a transition cow barn; constructing a post-weaned calf barn; replacing existing feed storage bunkers with asphalt feed pad and precast concrete bunker walls; replacing existing free stall barn reception pit and superstructure; and constructing associated manure transfer system connecting the barns and the waste storage lagoon.

PROJECT JUSTIFICATION:
Bids for this project were opened on May 21, 2020. There were insufficient funds in the project budget to accept the bids received and no opportunities to reduce scope. This increase will allow the bids to be accepted and provide for an appropriate post-bid contingency needed to address any unforeseen conditions that may arise during construction.

BUDGET/SCHEDULE:

Construction	$3,350,000
Design	$425,100
DFDM Mgt	$146,000
Contingency	$300,000
Other Fees	$23,500
TOTAL	**$4,244,600**

SBC Approval	Aug 2020
A/E Selection	May 2016
Bid Opening	May 2020
Start Construction	Aug 2020
Substantial Completion	Aug 2021
Final Completion	Sept 2021

PREVIOUS ACTION: In April 2018, the SBC granted authority to construct the Waupun State Farm Upgrade project for an estimated total cost of $3,931,000 PR-CASH.

The Bureau of Correctional Enterprises - Waupun and Fox Lake Farms Upgrades project was enumerated in 2015 Wisconsin Act 55 for $5,500,000 PR-CASH.

Subcommittee	Full Commission

5. Various All Agency Projects – Request the following:
   a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $1,440,100 GFSB;
   b) Transfer all approved GFSB All Agency Allocations to the DOC Infrastructure Maintenance appropriation; and
   c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair		**$339,500**
MWCC	Ballistic Glass Upgrades ($339,500 GFSB)	$339,500
Utility Repair and Renovation		**$1,100,600**
RCI	Parking Lot Replacement ($1,100,600 GFSB)	$1,100,600

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

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: Statewide

PROJECT REQUEST: Request the following:

a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $1,440,100 GFSB;
b) Transfer all approved GFSB All Agency Allocations to the DOC Infrastructure Maintenance appropriation account; and
c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair			
LOCATION	**PROJ. NO.**	**PROJECT TITLE**	**GFSB**
Milwaukee Women's Correctional Center (Milwaukee Co.)	19J1E	Ballistic Glass Upgrades	$339,500
Facility Maintenance and Repair Total			**$339,500**

Utility Repair and Renovation			
LOCATION	**PROJ. NO.**	**PROJECT TITLE**	**GFSB**
Racine Correctional Institution (Racine Co.)	19J2Y	Parking Lot Replacement	$1,100,600
Utility Repair and Renovation Total			**$1,100,600**

Facility Maintenance and Repair:

Milwaukee Women's Correctional Center – Ballistic Glass Upgrades (19J1E):

Project Description and Justification:
This project will complete the replacement of standard insulated glass and insulated safety glass with level 1 bullet resistant glazing material. Approximately 113 individual framed glazing panels will be completed, including fixed, awning, and casement, as well as door(s) panels or glazing as required. The work will include repairing exterior mull cladding damaged by bullet fire.

The Milwaukee Women's Correction Center's (MWCC) mission is to provide a safe and secure environment while offering services and opportunities to women learning viable work and life

skills. Each year MWCC receives damage from community activity. Damage includes broken living space room windows and broken or damaged glass in staff and common use areas.

Budget/Schedule:

Construction	$270,000
Design	$30,600
DFDM Mgt	$11,900
Contingency	$27,000
TOTAL	**$339,500**

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

Previous Action: None.

Utility Repair and Renovation:

Racine Correctional Institution – Parking Lot Replacement (19J2Y):

Project Description and Justification:
This project will address deteriorating asphalt pavement and concrete at the Racine Correctional Institution's visitor and staff parking lot. The project will provide new asphalt pavement for the parking lot, access road, and facility maintenance area. Work within this area of the project will also include replacement of curb and gutter, sidewalk and detectable warning fields, pavement marking, permanent signage, and site restoration. The project will also make additional improvements to the maintenance area by constructing a concrete pad for the dumpsters and for the salt storage area.

This project is required to provide safe and maintainable parking, vehicle access, and pedestrian walking surfaces at the institution. The areas to be replaced have deteriorated beyond which typical maintenance procedures can correct. Facility staff has provided continued patch work and short-term fixes but due to the amount of failure and fatigue, full replacement is required.

Budget/Schedule:

Construction	$845,000
Design	$82,800
DFDM Mgt	$38,900
Contingency	$126,800
Other Fees	$7,100
TOTAL	**$1,100,600**

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

Previous Action: None.

Subcommittee	Full Commission

Department of Health Services

6. Various All Agency Projects – Request the following:
   a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $6,833,700 GFSB;
   b) Transfer all approved GFSB all agency allocation to the DHS Infrastructure Maintenance appropriation; and
   c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair		**$5,993,700**
NWC	Brookside Building Envelope Repairs ($2,996,400 GFSB)	$2,996,400
NWC	Brookside Building HVAC Improv ($2,997,300 GFSB)	$2,997,300
Utility Repair and Renovation		**$840,000**
MMHI	Steam Turbine Generator Improv ($840,000 GFSB)	$840,000

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

AGENCY: Department of Health Services

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

LOCATION: Statewide

PROJECT REQUEST: Request the following:

a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $6,833,700 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.

Facility Maintenance and Repair			
LOCATION	**PROJ. NO.**	**PROJECT TITLE**	**GFSB**
Northern Wisconsin Center (Chippewa Co.)	18B1F	Brookside Building Envelope Repairs	$2,996,400
Northern Wisconsin Center (Chippewa Co.)	19K1E	Brookside Building HVAC Improvements	$2,997,300
Facility Maintenance and Repair Total			**$5,993,700**

Utility Repair and Renovation			
LOCATION	**PROJ. NO.**	**PROJECT TITLE**	**GFSB**
Mendota Mental Health Institute (Dane Co.)	19J2A	Steam Turbine Generator Improvements	$840,000
Utility Repair and Renovation Total			**$840,000**

Facility Maintenance and Repair:

Northern Wisconsin Center – Brookside Building Envelope Repairs (18B1F):

Project Description and Justification:
This project will correct moisture infiltration issues caused by condensation and a failed original roof. The building currently has two roof systems and an interstitial space between the two roof structures. The project will remove both roof structures and establish a vapor barrier above the building interior ceiling. Deteriorated structural members will be repaired or replaced and a new vented roof will be constructed. The project will also convert a portion of the existing rooms in

the Northern Industries building into temporary patient bedrooms. Patients from Brookside will relocate to the Northern Industries building during construction due to the extensive amount of construction activity.

This project is required to maintain the building integrity and protect the health and safety of staff and patients in the building. Brookside is a 30,400 GSF, two-story patient building that has undergone significant remodeling projects, including the installation of a commercial kitchen, bathroom remodeling, and the installation of a metal roof over the original sloped asphalt roof. Condensation has accumulated between the two roofs for several years. Less invasive means to correct the issue have not been successful in preventing moisture from infiltrating the building. Correcting this issue will eliminate visible damage to the building interior and prevent moisture damage to the building structure.

Northern Wisconsin Center provides short-term intensive treatment especially designed to meet the unique needs of men and women with intellectual disabilities and who also experience psychiatric symptoms. The clinical team works closely with the individual, guardian, and community to treat the individual so that he or she can be integrated back into the community. For economies of scale and cost savings, the design for the Brookside Building HVAC Improvement project has been combined with this project.

Budget/Schedule:

Construction	$2,124,000
Design	$477,400
DFDM Mgt	$93,500
Contingency	$212,400
Other Fees	$89,100
TOTAL	**$2,996,400**

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

Previous Action: None.

Northern Wisconsin Center – Brookside Building HVAC Improvements (19K1E):

Project Description and Justification:
This project will update the Brookside building heating, ventilation, and air conditioning systems. The existing air handling unit, centrifugal chiller, condenser, and related piping will be replaced. A direct expansion cooling unit will replace the existing centrifugal chiller. New variable air volume terminal units will be installed with direct digital controls to provide precise temperature and humidity levels throughout the building.

This project is required to maintain the building environment. Brookside is a 30,400 GSF, two-story patient building that has developed condensation problems in the building and under the roof. It was recently discovered that exhaust from the kitchen and bathrooms is pulling outside air and moisture into the building making the building pressure negative. This condensation needs to be eliminated before substantial damage is done to the living areas and building structure.

Northern Wisconsin Center provides short-term intensive treatment especially designed to meet the unique needs of men and women with intellectual disabilities and who also experience psychiatric symptoms. The clinical team works closely with the individual, guardian, and community to treat the individual so that he or she can be integrated back into the community. For economies of scale and cost savings, the design for this project has been combined with the Brookside Building Envelope Repair project.

Budget/Schedule:

Construction	$2,620,000
DFDM Mgt	$115,300
Contingency	$262,000
TOTAL	**$2,997,300**

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

Previous Action: None.

Utility Repair and Renovation:

Mendota Mental Health Institute – Steam Turbine Generator Improvements (19J2A):

Project Description and Justification:
This project will completely disassemble, inspect, repair, and reassemble the steam turbine generator at Mendota Mental Health Institute (MMHI). This overhaul will inspect the following systems: turbine valves, bearings, steam path (moving and stationary components), reduction gear, oil system, generator, and exciter. The existing turbine control system will be replaced. The steam path will be examined by non-destructive methods. Any damage to the turbine blades, diaphragms, and valves will be repaired. The electrical switch gear will also be inspected.

The turbine generator was last overhauled in 2010 and is now due for a major inspection and repair. Disassembly of the turbine is the only way to verify the condition of the steam path by visual inspection and non-destructive examination**.** The current control system is 20 years old and has become less reliable, with unplanned outages becoming more frequent in recent years. Parts for the original control system are no longer available from the manufacturer, used parts and must be procured. The turbine generator is an integral part of the heating plant. It produces low pressure steam that is used at Central Wisconsin Center (CWC) for heating in the winter and produces low pressure steam in the summer for the vapor absorption chillers that provide chilled water to MMHI and CWC. The turbine generator provides emergency power to MMHI and CWC if normal power is interrupted from the local utility.

Budget/Schedule:

Construction	$660,000
Design	$50,000
DFDM Mgt	$30,400
Contingency	$99,600
TOTAL	**$840,000**

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

Previous Action: None.

	Subcommittee	Full Commission

Department of Natural Resources

7. Cornell Ranger Station – Fire Response Ranger Station Replacement – Request the following:
   a) Approve the Design Report;
   b) Authority to increase the project budget by $458,800 ($53,846 CON SEGB and $404,954 SEG-CASH); and
   c) Authority to construct Cornell Fire Response Ranger Station Replacement project for an estimated total cost of $2,533,600 ($2,128,646 CON SEGB and $404,954 SEG-CASH).

   This project was enumerated 2019 Wisconsin Act 9 for $2,074,800 CON SEGB.

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

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: Cornell Ranger Station, Chippewa County

PROJECT REQUEST: Request the following:

a) Approve the Design Report;
b) Authority to increase the project budget by $458,800 ($53,846 CON SEGB and $404,954 SEG-CASH); and
c) Authority to construct Cornell Fire Response Ranger Station Replacement project for an estimated total cost of $2,533,600 ($2,128,646 CON SEGB and $404,954 SEG-CASH).

PROJECT NUMBER: 19G3H

PROJECT DESCRIPTION:
This project will replace the aging Cornell Ranger Station with a Fire Response Ranger Station in the Town of Anson, in the community of Jim Falls in Chippewa County. The station will have office space for five FTE employees and three LTE employees. It includes a heated two-bay drive-thru garage for one fire control heavy unit Type 4 engine with attached trailer that carries a Type 3 tractor/plow unit, one Type 6 initial attack fire control engine, and a full-size pickup truck. The heated area will contain space for woodworking, light vehicle and equipment maintenance, and a mezzanine for storage of equipment, supplies, and items that cannot be frozen. The replacement Ranger Station also includes an unheated two-bay drive-thru storage garage, which will contain a mezzanine for additional storage space, and to store the station's fire cache.

During the design phase it was determined that the facility storage needs for the equipment assigned to the location was greater than originally anticipated during the capital budget process. The funding for this increase to accommodate the storage space needs is being provided by deferring the Mercer Fire Ranger Station project since it is a lower priority for the Department of Natural Resources.

PROJECT JUSTIFICATION:
The current Cornell Ranger Station is located on a two-acre parcel on State Highway 64 on the west side of the City of Cornell, approximately 30 miles northeast of Chippewa Falls, in Chippewa County. The Ranger Station cannot be constructed on the current parcel in Cornell due to zoning classification, low well capacity, as well as poor access and setbacks to the highway. The replacement Ranger Station will be constructed on a state-owned parcel in Jim Falls. The

station will be on Highway S, conveniently located for use of the facility as an Incident Command Post during large project fires or other emergencies, disasters, and incidents.

Originally constructed in 1955, the Cornell Ranger Station was built to house Fire Control personnel and equipment protecting northern and central Chippewa County. After 60 years of service, the Cornell Ranger Station is in substantial need for a major upgrade. The basic structure of the building has not changed since the original construction and lacks many of the standards required by current codes and regulations. There is not currently enough storage space to accommodate the equipment at the station, resulting in some equipment being stored at other state-owned locations up to 25 miles away. In addition, the equipment is taking up space for Conservation Wardens. Equipment is also being stored outside at the Ranger Station and is subject to theft and vandalism. A replacement facility that can store the equipment safely on-site at the Fire Response Ranger Station, and in response-ready condition, will aid in protecting department and public lands, and overall public safety.

BUDGET/SCHEDULE:

Construction	$1,990,500
Design	$134,000
DFDM Mgt	$87,100
Contingency	$186,000
Equipment	$117,500
Other Fees	$18,500
TOTAL	**$2,533,600**

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

PREVIOUS ACTION: This project was enumerated 2019 Wisconsin Act 9 for $2,074,800 CON SEGB.

DESIGN REPORT

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

August 12, 2020

Fire Response Ranger Station Replacement
Cornell Station
Town of Anson, WI

Project Number: 19G3H

For the: Department of Natural Resources

Project Manager: Jim Schaefer

Architect/Engineer: Lien & Peterson Architects, Inc.
Eau Claire, WI

1. Project Description:

This project will replace the aging Cornell Ranger Station with a Fire Response Ranger Station in the Town of Anson, in the community of Jim Falls in Chippewa County. The station will have office space for five FTE employees and three LTE employees. It includes a heated two-bay drive-thru garage for one fire control heavy unit Type 4 engine with attached trailer that carries a Type 3 tractor/plow unit, one Type 6 initial attack fire control engine, and a full-size pickup truck. The heated area will contain space for woodworking, light vehicle and equipment maintenance, and a mezzanine for storage of equipment, supplies, and items that cannot be frozen. The replacement Ranger Station also includes an unheated two-bay drive-thru storage garage, which will contain a mezzanine for additional storage space, and to store the station's fire cache.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 for $2,074,800 CON SEGB.

3. Schedule:

Bid Opening:	Nov 2020
Start of Construction:	Apr 2021
Substantial Completion / Occupancy:	Oct 2021

4. Budget Summary:

Construction:	$1,990,500
A/E Fees:	$134,000
DFDM Mgmt:	$87,100
Contingency:	$186,000
Equipment:	$117,500
Other Fees:	$18,500
Total Project Cost:	**$2,533,600**

	Subcommittee	Full Commission
8. Gresham Ranger Station – Consolidated Fire Response Ranger Station Replacement – Request the following: a) Approve the Design Report; b) Authority to increase the project budget by $467,300 CON SEGB; and c) Authority to construct the Gresham Consolidated Fire Response Ranger Station Replacement project for an estimated total cost of $2,680,000 CON SEGB. This project enumerated in 2019 Wisconsin Act 9 for $2,212,700 CON SEGB.		

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

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: Gresham Ranger Station, Shawano County

PROJECT REQUEST: Request the following:

a) Approve the Design Report;
b) Authority to increase the project budget by $467,300 CON SEGB; and
c) Authority to construct the Gresham Consolidated Fire Response Ranger Station Replacement project for an estimated total cost of $2,680,000 CON SEGB.

PROJECT NUMBER: 19G3I

PROJECT DESCRIPTION:
This project will construct a joint Fire Response Ranger Station in the Village of Gresham in Shawano County to replace the Bowler Ranger Station and consolidate staff from three locations. The Ranger Station will have office space for six FTE employees and six LTE employees, allowing the DNR to consolidate the personnel from the Bowler Ranger Station, and the Keshena and Shawano Offices, into this joint Ranger Station in Gresham. The Gresham Station will have a heated four-bay drive-thru garage for two Type 8 engines, two Type 6 engines, and two heavy unit Type 4 engines with attached trailer that carries a tractor/plow unit. The heated garage will also be used as an Incident Command Post (ICP) in the event of multiple or exceptionally large fires or disasters within the Fire Response Units (FRUs) for the joint station.

During the design phase it was determined that the facility storage needs for the equipment assigned to the location was greater than originally anticipated during the capital budget process. The funding for this increase to accommodate the storage space needs is being provided by deferring the Mercer Fire Ranger Station project since it is a lower priority for the Department of Natural Resources.

PROJECT JUSTIFICATION:
Forest Protection staff from three different offices and stations (Bowler, Keshena, Shawano) will be combined into one joint facility. This consolidation of staff and equipment into one replacement ranger station in Gresham will provide cost-savings in maintenance and operations, equipment and building repairs, staff safety, safe equipment operation, and streamlined fire protection team efficiencies.

Bowler Ranger Station is 81 years old and in need of substantial updates and major repairs. The station hosts an additional two-bay garage that was constructed in 1983. The garage does not

provide sufficient space to offset the increased size of today's fire control equipment standards. The new dual wheeled 4x4 (Type 6/7 engine) that will replace the current engine will not fit in this facility. The new dozer has less than an inch of clearance under the garage door when loaded on the trailer. When the heavy unit is in the facility, there is less than 28 inches of clearance around the unit. Accessing the vehicles with these tight clearances has resulted in damage to clothing and fire control PPE and is also a safety hazard for staff.

In Keshena, DNR forestry personnel are stationed within a fire control building owned by the Menominee Tribal Enterprises (MTE). The Department has an MOU and upon expiration, MTE has indicated they intend to charge rent to the DNR for a too-small office space and heated storage for one Type 6 engine and one heavy unit. In Shawano, Forestry has one employee in a leased facility shared by other DNR programs. This project will allow the Forestry Program to eliminate rental costs from these facilities and move staff and valuable equipment into a consolidated forest protection facility.

The Gresham site is centrally located between the Bowler and Keshena FRUs and the replacement station will be approximately eight miles east of the current Bowler station and nine miles west of the current Keshena station. Hwy 29 is located four miles to the south of Gresham and provides excellent east/west navigation. In addition, County Highways A, G, and VV provide adequate routes of travel from Gresham into both the Bowler and Keshena fire response units. Gresham is the only city/village that is located between the two stations that will meet the needs of both FRUs and its central location will help the Department respond and protect the surrounding forests, wildlands, and communities.

BUDGET/SCHEDULE:

Construction	$2,108,500
Design	$140,000
DFDM Mgt	$92,300
Contingency	$197,900
Equipment	$125,300
Other Fees	$16,000
TOTAL	**$2,680,000**

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

PREVIOUS ACTION: This project enumerated in 2019 Wisconsin Act 9 for $2,212,700 CON SEGB.

DESIGN REPORT

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

August 12, 2020

Consolidated Fire Response Ranger Station
Gresham Ranger Station
Town of Gresham, WI

Project Number: 19G3I

For the: Department of Natural Resources

Project Manager: Jim Schaefer

Architect/Engineer: Lien & Peterson Architects, Inc.
Eau Claire, WI

1. Project Description:

This project will construct a joint Fire Response Ranger Station in the Village of Gresham in Shawano County to replace the Bowler Ranger Station and consolidate staff from three locations. The ranger station will have office space for six FTE employees and six LTE employees, allowing the DNR to consolidate the personnel from the Bowler Ranger Station, and the Keshena and Shawano Offices, into this joint ranger station in Gresham. The Gresham Station will have a heated four-bay drive-thru garage for two Type 8 engines, two Type 6 engines, and two heavy unit Type 4 engines with attached trailer that carries a tractor/plow unit. The heated garage will also be used as an Incident Command Post (ICP) in the event of multiple or exceptionally large fires or disasters within the Fire Response Units (FRUs) for the joint station.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 for $2,212,700 CON SEGB.

3. Schedule:

Bid Opening:	Nov 2020
Start of Construction:	Apr 2021
Substantial Completion / Occupancy:	Nov 2021

4. Budget Summary:

Construction:	$2,108,500
A/E Fees:	$140,000
DFDM Mgmt:	$92,300
Contingency:	$197,900
Equipment:	$125,300
Other Fees:	$16,000
Total Project Cost:	**$2,680,000**

	Subcommittee	Full Commission
9. Black River Falls Service Center – Fire Response Ranger Station Replacement - Request the following: a) Approve the Design Report; b) Authority to increase the project budget by $645,400 CON SEGB; and c) Authority to construct the Black River Falls Fire Response Ranger Station Replacement project for an estimated total cost of $2,832,500 CON SEGB. This project was enumerated in 2019 Wisconsin Act 9 for $2,187,100 CON SEGB.		

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

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: Black River Falls Service Center, Jackson County

PROJECT REQUEST: Request the following:

a) Approve the Design Report;
b) Authority to increase the project budget by $645,400 CON SEGB; and
c) Authority to construct the Black River Falls Fire Response Ranger Station Replacement project for an estimated total cost of $2,832,500 CON SEGB.

PROJECT NUMBER: 19I2S

PROJECT DESCRIPTION:
This project will replace the Black River Falls Ranger Station with a consolidated forest fire response unit station on the Black River Falls Service Center campus. The facility will include a nine-bay heated drive-thru for various fire engines and trailers, equipment storage, and a shop area with workbench for light vehicle maintenance. The heated garage will also be used as an Incident Command Post in the event of multiple or exceptionally large wildfires or disasters within the area. The replacement Ranger Station also includes a full wall of racking to store the station's fire equipment cache.

The replacement facility will be designed to adequately house the heavy units and attack engines in a safe and response-ready condition. The drive-thru bays will allow fire staff to quickly and easily enter and exit the facility for fast incident response. The DNR will see cost savings in the operations of the facility due to the energy efficiency and exhaust purge system in the heated portion of the building. This replacement facility will properly store the equipment safely, and in a response-ready condition, which will aid in protecting department and public lands, and overall public safety.

During the design phase it was determined that the facility storage needs for the equipment assigned to the location was greater than originally anticipated during the capital budget process. The funding for this increase to accommodate the storage space needs is being provided by deferring the Mercer Fire Ranger Station project since it is a lower priority for the Department of Natural Resources.

PROJECT JUSTIFICATION:
The existing building was built in 1971 and does not adequately house equipment, as most of the fire response fleet is too large for the current facility. The building is only 50' wide, and the

heavy units are approximately 50’ long. When heavy units are parked in the building, there is insufficient space to walk around the heavy units without opening the overhead doors of the garage, which is very energy inefficient in colder weather. This also restricts access to service doors for emergency egress in the event of fire in the building. The stalls within the current facility are not drive-thru, so engine operators need to back the units into the building, which has caused significant damage to both the storage facility and engines due to the insufficient space. The small space also causes a slower response to emergency calls because vehicles need to be moved around to drive out the preferred vehicle to respond to an incident.

There are also concerns regarding staff safety and efficiency in the current building. The existing Ranger Station does not provide sufficient ventilation to allow for safe warm-up of vehicles and performance of daily inspections. The inadequate ventilation allows diesel exhaust to fill the building during these activities, creating an unsafe and unhealthy air quality for staff. There is miscellaneous fire equipment, UTVs, and trailers stored on the floor between the heavy units due to lack of space, which creates safety hazards for staff performing maintenance and accessing the heavy units. The building also uses four furnaces, which are over 15-20 years old. These furnaces are inefficient and ineffective for heating the entire facility and need to be replaced.

BUDGET/SCHEDULE:

Construction	$2,249,400
Design	$137,000
DFDM Mgt	$98,500
Contingency	$211,300
Equipment	$123,800
Other Fees	$12,500
TOTAL	**$2,832,500**

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

PREVIOUS ACTION: This project was enumerated in 2019 Wisconsin Act 9 for $2,187,100 CON SEGB.

DESIGN REPORT

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

August 12, 2020

Fire Response Ranger Station Replacement
Black River Falls Service Center
Black River Falls, WI

Project Number: 19I2S

For the: Department of Natural Resources

Project Manager: Jim Schaefer

Architect/Engineer: Lien & Peterson Architects, Inc.
Eau Claire, WI

1. Project Description:

This project will replace the Black River Falls Ranger Station with a consolidated forest fire response unit station on the Black River Falls Service Center campus. The facility will include a nine-bay heated drive-thru for various fire engines and trailers, equipment storage, and a shop area with workbench for light vehicle maintenance. The heated garage will also be used as an Incident Command Post in the event of multiple or exceptionally large wildfires or disasters within the area. The replacement ranger station also includes a full wall of racking to store the station's fire equipment cache.

2. Authorized Budget and Funding Source:

This project was enumerated in 2019 Wisconsin Act 9 for $2,187,100 CON SEGB.

3. Schedule:

Bid Opening:	Nov 2020
Start of Construction:	Apr 2021
Substantial Completion / Occupancy:	Oct 2021

4. Budget Summary:

Construction:	$2,249,400
A/E Fees:	$137,000
DFDM Mgmt:	$98,500
Contingency:	$211,300
Equipment:	$123,800
Other Fees:	$12,500
Total Project Cost:	**$2,832,500**

Subcommittee	Full Commission

10. Various All Agency Projects - Request the following:
    a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $3,745,800 ($365,400 STWD, $1,733,300 GFSB, $771,700 SEG-CASH, $600,400 CON SEGB and $275,000 FED);
    b) Transfer all approved GFSB all agency allocation to the DNR Infrastructure Maintenance appropriation; and
    c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Facility Maintenance and Repair		**$3,745,800**
White River Fishery	Repair/Repl Trail/Bridge Washouts ($1,203,000 GFSB)	$1,203,000
Kettle Moraine	Pike Lake Boat Access Site ($365,400 STWD; $200,800 SEG-CASH; $275,000 FED)	$841,200
Flambeau River	Skinner Creek Bridge Repl ($600,400 CON SEGB)	$600,400
Richard Bong	Road Repairs ($570,900 SEG-CASH)	$570,900
Grand River Marsh	Dam Repair (Increase) ($530,300 GFSB)	$530,300

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

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

PROJECT REQUEST: Request the following:

a) Authority to construct various All Agency maintenance and repair projects for an estimated total cost of $3,745,800 ($365,400 STWD, $1,733,300 GFSB, $771,700 SEG-CASH, $600,400 CON SEGB and $275,000 FED);
b) Transfer all approved GFSB All Agency Allocations to the DNR Infrastructure Maintenance Appropriation; and
c) Allow the Division of Facilities Development and Management to adjust individual project budgets.

LOCATION	PROJ. NO.	PROJECT TITLE	STWD	GFSB	SEG-CASH	CON SEGB	FED	TOTAL
White River Fishery Area (Bayfield Co.)	18I1M	Repair/Replace Trail and Bridge Washouts	$0	$1,203,000	$0	$0	$0	$1,203,000
Kettle Moraine State Forest (Washington Co.)	19F2A	Pike Lake Boat Access Site	$365,400	$0	$200,800	$0	$275,000	$841,200
Flambeau River State Forest (Rusk Co.)	19F2B	Skinner Creek Bridge Replacement	$0	$0	$0	$600,400	$0	$600,400
Richard Bong State Recreation Area (Kenosha Co.)	19I2R	Entrance Road Lot C to Sunset Campground Road Repairs	$0	$0	$570,900	$0	$0	$570,900
Grand River Marsh Wildlife Area (Marquette Co.)	18L2W	Dam Repair (Increase)	$0	$530,300	$0	$0	$0	$530,300
Facility Maintenance and Repair Total			**$365,400**	**$1,733,300**	**$771,700**	**$600,400**	**$275,000**	**$3,745,800**

White River Fishery – Repair/Replace Trail and Bridge Washouts (18I1M):

Project Description and Justification:
This project will repair two large washouts at the White River Fisheries Area due to flooding during the June 2018 storm event. This project qualifies for FEMA reimbursement once the project is completed.

Washout area 1 (West Snowmobile Trail 4) project work includes:

- Removal of sand, downed trees, and gravel that has been deposited on the site
- Uncover the existing unusable 4'x4'x150' concrete culvert at the site and determine the appropriate size of the replacement culvert.
- Reshape the snowmobile trail grade, which washed out approximately 170' across and approximately 75' deep; and install erosion control measures to ensure bank stabilization.

Washout area 2 (White River Bridge) project work includes:

- Provide new access across the White River where the culverts and roads have washed away. Construct new bridge (approximately 50'-70') and abutments.
- Restore access to parking and the artesian well at the location. The old culverts and road debris will need to be removed and the bank stabilized.
- Replace/rebuild parking area including reshape and armor of streambank at parking lot, install new trail to artesian well.
- Remove remaining concrete and logs from two culverts and road structures.

This project will repair two large washouts at the White River Fisheries Area due to flooding. This project is part of the FEMA June 2018 response. Heavy rains and flooding caused significant damage in the parks and trails in northwest Wisconsin that have left them closed, partially closed, or unsafe for patrons.

Budget/Schedule:

Construction	$899,700
Design	$126,000
DFDM Mgt	$41,400
Contingency	$134,900
Other Fees	$1,000
TOTAL	**$1,203,000**

SBC Approval	Aug 2020
A/E Selection	Sep 2018
Bid Opening	Nov 2020
Start Construction	Apr 2021
Substantial Completion	Aug 2021
Final Completion	Sept 2021

Previous Action: None.

Kettle Moraine State Forest – Pike Lake Boat Access Site (19F2A):

Project Description and Justification:
This project will construct a public boat access on the 522-acre Pike Lake in Washington County. The scope of this project includes an asphalt entrance road and parking lot. The boat access will provide two reinforced concrete ramps with a shore interface and one boarding dock in the middle of ramps with a shore interface. Overall, the parking lot will provide space for 32 vehicle-trailer units and two ADA vehicle-trailer units; eight vehicle only stalls and one ADA

vehicle only stall for non-motorized access. Lastly, a solar light, an informational kiosk, and two vault toilets will be constructed.

The Pike Lake Unit was designated as a State Park from its creation in 1971 until 1997. At this time the park was incorporated into the Kettle Moraine State Forest. The Pike Lake Unit of the Kettle Moraine State Forest is located in Washington County, approximately 25 miles northwest of Milwaukee.

The goal of the project is to provide adequate public access to Pike Lake. Currently, there are four motorboat access sites, of which, none are owned or managed by the DNR. Of the four boat access sites, two are privately managed and the other two are located at the end of unimproved town roads on the west side of the lake. Additionally, no off or on street parking is provided. The property Master Plan calls for providing lake access for property visitors. This includes motorized and non-motorized access sites for boating, fishing, and hunting. By constructing the two-ramp boat launch, it will provide adequate perpetual public access on the southern end of the lake for thousands of annual park visitors.

Budget/Schedule:

Construction	$651,400
Design	$61,200
DFDM Mgt	$27,900
Contingency	$45,600
Equipment	$40,000
Other Fees	$15,100
TOTAL	**$841,200**

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

Previous Action: None.

Flambeau River State Forest – Skinner Creek Bridge Replacement (19F2B):

Project Description and Justification:
This project will remove the old bridge and replace it with a new structure capable of hauling U80 Logging Trucks. By updating the bridge, it will make timber sales more accessible and maintain access for large sections of State Forest. The new bridge will consist of a 24-feet-wide clear span with prestressed girders and open steel railings. New substructure and associated roadway approach work is included.

The existing single-span, steel-framed, low-truss bridge has reached the end of its useful life. The timber decking has experienced rot, snowplow damage, splitting and cracking. The steel truss members are distorted and bent, with corrosion and pack rust at most connections. Skinner Creek Road is a main haul road for timber sales on the Flambeau River State Forest's southern part of the forest. By replacing the bridge, access to large sections of the State Forest will be maintained. The bridge is also an important access concern for residents that live and have seasonal vacation homes in the vicinity and is an important route for public safety and public works response.

Skinner Creek Road is an open, well maintained forest road and is required to be open according to the Master Plan. This bridge is also needed for daily forest operations, access for residents and state forest users, emergency response and logging operations. By replacing the bridge, we are ensuring continued travel efficiency in forest management, fire response, and providing locals and recreational users with access to large portions of the state forest.

Budget/Schedule:

Construction	$441,600
Design	$56,400
DFDM Mgt	$20,400
Contingency	$66,300
Other Fees	$15,700
TOTAL	**$600,400**

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

Previous Action: None.

Richard Bong State Recreation Area - Entrance Road Lot C to Sunset Campground Road Repairs (19I2R):

Project Description and Justification:
This project will reconstruct the roadway from the entrance road lot 'C' to Sunset Campground. The new pavement will provide a 22' roadway surface with a 4' gravel shoulder for pedestrians and bicycles. The scope of this project is to pulverize, regrade and repave the two-way 22' wide road for approximately 12,700 linear feet. The work needs to be coordinated with facility access needs to avoid closures during peak operational times and seasons.

Richard Bong State Recreation Areas was acquired by the State of Wisconsin in 1967. The Park is 4,515 acres of woodlands, wetland and rolling prairies. The property is in Kenosha County on County Highway 142 in the town of Brighton, WI. The Park is used by the public and is within 35 miles of Milwaukee, WI and 50 miles of Chicago, IL. Due to the poor condition of the road, access from the main entrance to the recreational area negatively impacts visitors and recreational users. Improving the road complies with the Master Plan and provides a better experience for tens of thousands of annual visitors.

Budget/Schedule:

Construction	$460,500
Design	$44,100
DFDM Mgt	$20,300
Contingency	$46,000
TOTAL	**$570,900**

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

Previous Action: None.

Grand River Marsh Wildlife Area – Dam Repair (Increase) (18L2W):

Project Description and Justification:
This project will restore and upgrade operability of the Grand River Marsh Dam gates which were damaged during response to an extreme rainfall event in August 2018. This project consists of replacing outdated gate operating equipment on the three main dam gates originally installed in 1969. This includes upgrading the power supply and replacing the operating equipment. Areas of concrete spalling along the existing wing walls and piers supporting the operator's bridge will be repaired. The operator's bridge will be modified to accept the new gate actuators and will be permanently reattached to the supporting piers. The operator's bridge, stairs and three main gates will also be repainted, and new gate seals will be installed.

This project is part of the emergency response to the August 2018 rain and flooding disaster in South Central Wisconsin. The dam in its current condition is inoperable and has resulted in the draining of the Grand River Marsh. This condition impacts users due to limited hunting and fishing opportunities, eliminates habitat, and elevates the risk to human health and safety.

This budget increase is needed due to unforeseen conditions during construction. Significant structural deficiencies were identified after removal of the three 14,000-pound steel gates. All wheel assemblies are worn, rusted, and seized from over 50 years of service. The guide rails for the wheels are severely corroded, causing warping of the rails and detachment from the concrete dam structure at failed connection points. The combination of these two conditions has resulted in stress fractures within structural welds on the gates. These conditions must be remedied to have a functioning dam on this property. Remediation at this time will result in a savings of at least $200,000 as the dam gates are already disassembled, a capable contractor is mobilized on site, and their cofferdam and dewatering system are in place to allow for dry working conditions.

Budget/Schedule:

Construction	$1,214,000
Design	$112,000
DFDM Mgt	$50,400
Contingency	$44,900
Other Fees	$6,000
TOTAL	**$1,427,300**

SBC Approval	Aug 2020
A/E Selection	Jan 2019
Bid Opening	Nov 2019
Start Construction	Apr 2020
Substantial Completion	Nov 2020
Final Completion	May 2021

Previous Action: In February 2020, the SBC granted authority to increase the project budget to accept bids received by $335,800 GFSB for a revised estimated total cost of $897,000 GFSB.

In August 2019, the SBC granted authority to construct the Grand River Marsh Dam Repair project for an estimated total cost of $561,200 GFSB.

Subcommittee	Full Commission

Wisconsin Historical Society

11. Old World Wisconsin – Old Brewery and Biergarten – Request the following:
    a) Approve the Design Report;
    b) Authority to increase the project budget by $516,600 ($232,000 EX-GFSB and $284,600 GIFTS); and
    c) Authority to construct the Old Brewery and Biergarten project for an 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
AUGUST 2020
REQUEST #11

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 the following:

a) Approve the Design Report;
b) Authority to increase the project budget by $516,600 ($232,000 EX-GFSB and $284,600 GIFTS); and
c) Authority to construct the Old Brewery and Biergarten project for an estimated total cost of $2,166,600 ($1,934,600 GIFTS and $232,000 EX-GFSB).

PROJECT NUMBER: 17I1K

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.

The budget increase is necessary to address related utility work that would have been handled through a separate project but is being included in this project for administrative efficiencies. 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:
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	$1,371,800
Design	$529,600
DFDM Mgt	$68,900
Contingency	$171,600
Other Fees	$24,700
TOTAL	**$2,166,600**

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

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

DESIGN REPORT

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

August 12, 2020

Old Brewery and Biergarten
Brewing Experience
Old World Wisconsin
Town of Eagle, WI

Project Number: 17I1K-02

For the: Wisconsin Historical Society

Project Manager: Jim Schaefer

Architect/Engineer: Aro Eberle Architects
Madison, WI

1. 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.

The project will also 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.

2. Authorized Budget and Funding Source:

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

3. Schedule:

Bid Opening:	Sep 2020
Start of Construction:	Nov 2020
Substantial Completion / Occupancy:	Jul 2021

4. Budget Summary:

Construction:	$1,371,800
A/E Fees:	$529,600
DFDM Mgmt:	$68,900
Contingency:	$171,600
Other Fees:	$24,700
Total Project Cost:	**$2,166,600**

Subcommittee	Full Commission

Wisconsin State Fair Park

12. Utility and Infrastructure Improvements (Increase) – Request the following:
    a) Authority to reduce $522,000 PR-CASH and increase bonding $522,000 GFSB; and
    b) Authority to increase the project budget for the SFP Utility and Infrastructure Improvements project by $968,300 GFSB to accept bids received for a revised estimated total cost of $3,845,500 GFSB.

    In May 2019, the SBC granted authority to construct the Utility and Infrastructure Improvements project for an estimated total cost of $2,877,200 ($2,355,200 GFSB and $522,000 PR-CASH).

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

AGENCY: Wisconsin State Fair Park

SFP CONTACT: John Decker, (414) 312-1170, john.decker@wistatefair.com
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Wisconsin State Fair Park, Milwaukee County

PROJECT REQUEST: Request the following:

a) Authority to reduce $522,000 PR-CASH and increase bonding $522,000 GFSB; and
b) Authority to increase the project budget for the SFP Utility and Infrastructure Improvements project by $968,300 GFSB to accept bids received for a revised estimated total cost of $3,845,500 GFSB.

PROJECT NUMBER: 18B1A

PROJECT DESCRIPTION:
Project work includes removal and replacement of asphaltic pavement, concrete curb and gutter, concrete sidewalk and storm sewers along and within the vicinity of Central Avenue between Third Street and Main Street at the State Fair Park (SFP). The existing asphalt pavement is in poor condition and has significant patches and areas of failure. The curb and gutter sections pose a tripping hazard for pedestrians. Proposed surfaces will include a lower profile curb section and new asphalt pavement with base replacement where required to address poor subgrade soils.

Utility work includes abandoning leaking watermain in Grandstand Avenue, Benno's Micro Alley, Second Avenue and Central Avenue. Upgrades to the sanitary system include replacing select manhole structures and lining various segments of pipe within the project limits as recommended in a study of the sewer system completed in 2010. The DNR has requested that the storm drainage improvements completed as part of this project include stormwater measures that will help bring the facility into compliance with the MS4 permit. The storm sewer design within Central Avenue 'Mall' incorporates elements to assist with permit compliance.

PROJECT JUSTIFICATION:
This project was bid twice, once in January 2020 and again on July 21, 2020. There were insufficient funds in the project budget to accept the bids received and no opportunities to reduce scope. This increase will allow the bids to be accepted and provide for an appropriate post-bid contingency needed to address any unforeseen conditions that may arise during construction.

In addition, the State Fair Park is requesting a substitution of GFSB for the cash funding originally included in the project. Due to the Public Health Emergency and the corresponding

loss of revenue for the cancelled State Fair, the agency is requesting the reduction of the cash contribution in the project. As a utility project, the use of GFSB is appropriate.

BUDGET/SCHEDULE:

Construction	$3,010,000
Design	$215,000
DFDM Mgt	$139,000
Contingency	$451,500
Other Fees	$30,000
TOTAL	**$3,845,500**

SBC Approval	Aug 2020
A/E Selection	Apr 2018
Design Report	May 2019
Bid Opening	Jul 2020
Start Construction	Oct 2020
Substantial Completion	Jun 2021
Final Completion	Jul 2021

PREVIOUS ACTION: In May 2019, the SBC granted authority to construct the Utility and Infrastructure Improvements project for an estimated total cost of $2,877,200 ($2,355,200 GFSB and $522,000 PR-CASH).

Subcommittee	Full Commission

Non-State Grant

13. Department of Administration on behalf of the La Crosse Center – Request the release of $5,000,000 GFSB to the La Crosse Center to aid in the construction of an addition to the Center in accordance with provisions of 2017 Wisconsin Act 59.

    This project was enumerated in 2017 Wisconsin Act 59 for $5,000,000 GFSB.

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

AGENCY: Department of Administration on behalf of the La Crosse Center

NON-STATE CONTACT: Art Fahey, (608) 789-7400, afahey@lacrossecenter.com
DFDM CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: La Crosse Center, La Crosse County

PROJECT REQUEST: Request the release of $5,000,000 GFSB to the La Crosse Center to aid in the construction of an addition to the Center in accordance with provisions of 2017 Wisconsin Act 59.

PROJECT NUMBER: 20G3H

PROJECT DESCRIPTION:
This project will be led by the City of La Crosse in coordination with the State to remodel and expand the 36-year-old La Crosse Center. This venue requires major upgrades to accommodate heavy usage from over 400,000 guests and 200 events, annually. The Center will feature a new ballroom that will overlook the Mississippi River and will include an outside terrace and glass-enclosed viewing area for year-round availability. The venue will be remodeled, with a newly constructed lobby and pre-function area that will serve as an additional gathering space and welcome area for the downtown side of the Center.

The funding for the La Crosse Center is outlined as follows:

State Grant	$5,000,000
Grantee Match	$45,221,400
TOTAL	**$50,221,400**

PROJECT JUSTIFICATION:
The remodeling and expansion of the Center will offer expanded opportunities for conventions, meetings, banquets, reunions, and other social events. A study conducted by La Crosse County and the University of Wisconsin-La Crosse reports that the Center has an annual economic impact of over $40 million. Last year, out-of-state guests accounted for over 25% of the ticket sales, and this figure is projected to increase. The downtown area recently expanded its inventory of hotel rooms by nearly 30% with the introduction of four new hotels and 450 rooms. All them are within four blocks of the La Crosse Center.

This request is consistent with the provisions of 2017 Wisconsin Act 59 that requires the grantee to document the existence of additional funding from non-state sources and provide construction plans to the DOA for review and approval. The existence of non-state funding has been identified by the grantee and the DOA staff has determined that the plans are consistent with the

project as described. Upon SBC approval, a grant agreement between the City of La Crosse and the DOA will be executed to allow for the release of funding.

BUDGET:

Construction/Design	$50,117,400
Equipment	$104,000
TOTAL	**$50,221,400**

PREVIOUS ACTION: This project was enumerated in 2017 Wisconsin Act 59 for $5,000,000 GFSB.

Subcommittee | Full Commission

HIGHER EDUCATION

University of Wisconsin

14. UW-System – Building Trust Funds (BTF)-Planning Release – Request the following:
    a) Release of $500,000 Building Trust Funds (BTF)-Planning to develop preliminary plans and specifications for the construction of the UW-Whitewater Winther Hall Addition and Renovation project; and
    b) Release $1,399,000 ($500,000 Building Trust Funds (BTF)-Planning and $899,000 PR-CASH) to complete the design for the UW-Oshkosh Clow Hall Renovation, Phase II project.

BTF-Planning Release		**$1,899,000**
WTW	Winther Hall Addn & Renovation ($500,000 BTF)	$500,000
OSH	Clow Hall Renovation, Ph II ($500,000 BTF; $899,000 PR-CASH)	$1,399,000

These projects were each allocated $500,000 BTF-Planning for preliminary plans and specifications in 2019 Wisconsin Act 9.

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
AUGUST 2020
REQUEST #14

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) Release of $500,000 Building Trust Funds (BTF)-Planning to develop preliminary plans and specifications for the construction of the UW-Whitewater Winther Hall Addition and Renovation project; and
b) Release $1,399,000 ($500,0000 Building Trust Funds (BTF)-Planning and $899,000 PR-CASH) to complete the design for the UW-Oshkosh Clow Hall Renovation Phase II project.

BTF-Planning Release					
LOCATION	**PROJ. NO.**	**PROJECT TITLE**	**BTF**	**PR-CASH**	**TOTAL**
UW-Whitewater (Walworth Co.)	19I1L	Winther Hall Addition and Renovation	$500,000	$0	$500,000
UW-Oshkosh (Winnebago Co.)	20D2G	Clow Hall Renovation - Phase II	$500,000	$899,000	$1,399,000
BTF-Planning Release Total			**$1,000,000**	**$899,000**	**$1,899,000**

UW-Whitewater – Winther Hall Addition and Renovation (19I1L):

Project Description:
This project constructs a 12,000 GSF addition onto Winther Hall to provide ADA accessible restrooms on every floor and to improve vertical circulation systems by replacing the existing elevator systems. The project will also remodel and renovate 77,000 GSF for the College of Education and Professional Studies to resolve space and building infrastructure deficiencies, improve instructional and departmental spaces, and increase technology capabilities and capacity throughout the facility. Abatement of hazardous building materials in the existing building will be part of this project scope.

Estimated Budget: $52,000,000

UW-Oshkosh – Clow Hall Renovation Phase II (20D2G):

Project Description:
This phase will complete the remodeling and renovation of the Clow Hall/Nursing Education Building complex for the College of Education and Human Services, the College of Letters and Science, and the College of Nursing at UW-Oshkosh. This project will remodel and renovate 87,381 GSF to correct space deficiencies in the four-building complex. Scope includes remodeling and reconfiguring lecture halls and classrooms, learning laboratories, and faculty and departmental offices and will address electrical, mechanical, and technology upgrades throughout.

Estimated Budget: $27,623,000

PREVIOUS ACTION: These projects were each allocated $500,000 BTF-Planning for preliminary plans and specifications in 2019 Wisconsin Act 9.

Subcommittee	Full Commission

15. <u>UW-System – Minor Facilities Renewal Program, Group 1</u> – Request the following:
    a) Authority to release $6,058,300 GFSB of the $22,000,000 GFSB allocation in the 2019-21 Minor Facilities Renewal Program, Group 1 enumeration;
    b) Authority to construct the related project for an estimated total cost of $6,058,300; and
    c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

Minor Facilities Renewal, Group 1		**$6,058,300**
GBY	Mary Ann Cofrin/Wood Hall Envelope Repr ($6,058,300 GFSB)	$6,058,300

This project was 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
AUGUST 2020
REQUEST #15

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 $6,058,300 GFSB of the $22,000,000 GFSB allocation in the 2019-21 Minor Facilities Renewal Program, Group 1 enumeration;
b) Authority to construct the related project for an estimated total cost of $6,058,300; and
c) Permit the Division of Facilities Development and Management to adjust individual project budgets.

MINOR FACILITIES RENEWAL, GROUP 1

INST	PROJ. NO.	PROJECT TITLE	GFSB	TOTAL
GREEN BAY (Brown Co.)	19G1Z	Mary Ann Cofrin Hall/Wood Hall Ext Envelope Repairs	$6,058,300	$6,058,300
		MFR, GROUP 1 SUBTOTALS	$6,058,300	$6,058,300

	GFSB	TOTAL
AUGUST 2020 TOTALS	$6,058,300	$6,058,300

UW-Green Bay - Mary Ann Cofrin Hall/Wood Hall Exterior Envelope Repair (19G1Z):

Project Description and Justification:
This project repairs the exterior envelopes of Mary Ann Cofrin Hall and Wood Hall to improve their thermal performance, maintain their integrity, resolve moisture infiltration, and prevent damage to the interior of the buildings and their contents. Project work on Mary Ann Cofrin Hall includes removing the ornamental steel frame at the north elevation; repairing brick and limestone masonry and mortar; removing and replacing failed wall sealants; replacing window glazing gaskets and thru-wall flashings, existing standing seam metal and EPDM roofing systems (including repairs at skylights and sloped glazing areas), and below grade water proofing system; correction of site grading and drainage issues; repainting rusting steel lintels; improving deficient areas of thermal and air barriers at roof to wall transitions; and installing new gutters and snow retention systems.

Project work on Wood Hall includes removing all Exterior Insulating Finish System (EIFS) wall systems and replacing with a new insulated metal wall panel system; rehabilitating the aluminum glazing systems; repairing the cracked and spalled structural cast-in-place concrete; and installing new snow guards and a new roof over the building entry.

The Mary Ann Cofrin Hall roof system was constructed with the building in 2000 and consists of a standing seam metal roofing over rigid foam insulation, foil faced rigid insulation, and metal deck. Evidence of moisture can be seen on the exterior brick which is severely discolored and has had to be cleaned periodically to remove the mold and mildew stains. This portion of the project was developed as the result of a previous study, which included on-site investigation and research, scope of work recommendations, and an estimated budget.

The Wood Hall Exterior Insulated Finish System (EIFS) is failing as evidenced by the pronounced cracks and increasing discoloration in the exterior surface finish material. Birds have pecked holes into the surface of the EIFS system and have begun nesting within the finish material cavity. If this deterioration is continued, the insulation will become water saturated, rendering it ineffective as an insulating material. Due to water penetration into the wall cavity, the structural integrity of the wall system is compromised and has begun to deteriorate. It is evident that repair of the EIFS materials is not a viable alternative and that full replacement is warranted. The EIFS applied in 1988 to replace the original Cor-Ten steel panel system is failing, taking on moisture, cracking, and discoloring. This failing system jeopardizes the building substructure.

Budget/Schedule:

Construction	$4,860,000
Design	$498,400
DFDM Mgt	$213,900
Contingency	$486,000
TOTAL	**$6,058,300**

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

Previous Action: This project was 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

16. <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 $7,483,300 ($4,743,500 GFSB and $2,740,800 PRSB);
    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		**$797,700**
STO	Johnson Fieldhouse AHU 5/9/10 Repl ($797,700 GFSB)	$797,700
Utility Repair and Renovation		**$6,686,600**
MSN	Capitol Court Chilled Water Extension ($1,576,800 GFSB; $554,000 PRSB)	$2,130,800
RVF	Campus Fiber Optic Backbone Repl ($2,369,000 GFSB; $2,186,800 PRSB)	$4,555,800

AGENCY REQUEST FOR
STATE BUILDING COMMISSION ACTION
AUGUST 2020
REQUEST #16

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 $7,483,300 ($4,743,500 GFSB and $2,740,800 PRSB);
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	TOTAL
STOUT (Dunn Co.)	18K1L	Johnson Fieldhouse AHU 5/9/10 Replacement	$797,700	$0	$797,700
		FMR SUBTOTALS	$797,700	$0	$797,700

UTILITY REPAIR AND RENOVATION

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	TOTAL
MADISON (Dane Co.)	18A1Z	Capitol Court Chilled Water Extension	$1,576,800	$554,000	$2,130,800
RIVER FALLS (Pierce Co.)	18H2I	Campus Fiber Optic Backbone Replacement	$2,369,000	$2,186,800	$4,555,800
		URR SUBTOTALS	$3,945,800	$2,740,800	$6,686,600

	GFSB	PRSB	TOTAL
AUGUST 2020 TOTALS	$4,743,500	$2,740,800	$7,483,300

Facility Maintenance and Repair:

UW-Stout - Johnson Fieldhouse AHU 5/9/10 Replacement (18K1L):

Project Description and Justification:
This project replaces three air handling units and associated controls, equipment, and accessories. Project work includes replacing the locker room air handling unit and an associated heat recovery system; two air handling units (AHU-9 and AHU-10) serving second floor office areas; heating pumps; and a heat exchanger. The air handling unit (AHU-5) serving the natatorium will be removed and disposed. Perimeter fin tube in the office areas will be changed

from steam to hot water operation. The new hot water heating pumps will have variable frequency drives installed for operations. The air supply ductwork in the locker rooms will be reused with new exterior insulation installed. The air supply ductwork in the office areas will be renovated and have new variable air volume boxes and reheat coils installed. New direct digital controls (DDC) will be installed for the new air handling units. New fuses and electrical breakers will be installed as needed, and minor lighting placement adjustments made to accommodate the new ductwork design. The abandoned pool heater will be removed and disposed.

All three air handling units are original to the facility constructed in 1963. These units are well beyond there expected useful lives and are approaching the point where operational maintenance will no longer be able to keep them in service. The steam coil in AHU-9 is leaking and is not accessible without removing the other units. AHU-9 and AHU-10 have residential style condensing units that will be removed. AHU-5 serves the natatorium and it is on the brink of failure due to the harsh environment that has caused severe corrosion to the equipment. The natatorium is no longer in use and this unit will be eliminated.

Budget/Schedule:

Construction	$636,000
Design	$70,100
DFDM Mgt	$28,000
Contingency	$63,600
TOTAL	**$797,700**

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

Previous Action: None.

Utility Repair and Renovation:

UW-Madison – Capitol Court Chilled Water Extension (18A1Z):

Project Description and Justification:
This project extends the campus central chilled water utilities along Capitol Court to serve the Wisconsin Primate Center and the Harlow Primate Lab and removes the standalone building chilled water equipment in the Wisconsin Primate Center. Project work includes extension of eight-inch underground chilled water supply and return piping from 14-inch lines near the northwest corner of North Charter Street and Capitol Court. The eight-inch piping will be extended west on Capitol Court to serve the Wisconsin Primate Center and the Harlow Primate Lab. Six-inch diameter piping laterals will be extended into the Harlow Primate Lab with new valves and capped for future extension. The eight-inch diameter piping will be extended into the Wisconsin Primate Center.

Upon completion of the installation of the underground chilled water piping, all areas disturbed by the project will be fully restored including roadways, curbs, gutters, terrace areas, trees, sidewalks, landscaping features, and site structures.

Work within the Wisconsin Primate Center includes removal of the existing chiller, cooling tower, associated pumps, auxiliary equipment, and the electrical connections for the equipment being removed. Two new campus chilled water pumps, associated piping, and a valve bypass will be installed along with two new plate and frame heat exchangers. Two new building glycol/chilled water pumps and associated piping will be installed on the building side of the heat exchangers and connected to the existing building chilled water piping system. New work will also include associated piping specialties, controls and associated electrical connections.

The Primate Center is cooled by a 344-ton, R11 chiller which currently is at the end of its useful life. The unit only made it through the past cooling season with nearly daily intervention by campus maintenance staff. The Primate Center is an animal holding research facility in which air conditioning is critical to the health and wellbeing of the primates. Connecting the building to campus chilled water utilizes the most efficient and reliable source of cooling currently available on campus. The Harlow Primate Lab, although not in the same dire condition as the Primate Center, is located between the Primate Center and the connection point of the new chilled water line. The installation of two tees and the short pipe to feed the building would be most economical. There are two main chillers serving the Primate Lab, they are dated, and do not provide the energy efficiency produced by the campus system. Beginning the process of connecting this facility to the campus cooling system moves the university closer to its energy efficiency goals.

Budget/Schedule:

Construction	$1,413,000
Design	$224,800
DFDM Mgt	$64,000
Contingency	$179,000
Equipment	$250,000
TOTAL	**$2,130,800**

SBC Approval	Aug 2020
A/E Selection	Feb 2018
Bid Opening	Mar 2021
Start Construction	Jun 2021
Substantial Completion	Mar 2022
Final Completion	Jun 2022

Previous Action: None.

UW-River Falls - Campus Fiber Optic Backbone Replacement (18H2I):

Project Description and Justification:
The project installs new single-mode fiber optic cable through existing underground ductbanks between the main campus nodes at the Agricultural Science Building and Rodli Hall to buildings located throughout the rest of the main campus. Project work includes installing new non-redundant links to the Intramural Fields, Amphitheater, and the Farm Pavilion. The link to the Farm Pavilion will be a new underground route. The new Agricultural Science Building node will be constructed and include pathways, power, lighting, HVAC, and security to support the new cabling. In-building cabling to the new node will replace existing cabling that is now routed to the old building node. Existing communications pathways and equipment room utilities will be improved at various buildings to accommodate the new cable system. New single-mode fiber optic interface modules will be installed for the energy management/building automation and fire alarm/smoke detection systems. New network electronics and/or single-mode fiber optic interface modules will be deployed by the university. Both items are to facilitate the transition to

the new cable system. Abandoned and outdated fiber optic, multiple-pair copper, coaxial and other cable types will be removed prior to and following new cable installation to free ductbank capacity.

The fiber optic-based telecommunications backbone system has been serving the campus for more than 20 years. The system is composed of both multi-mode and single-mode fiber with a design bandwidth of 100 megabits per second (Mbps). The system capacity has been stretched to 1 gigabit per second (Gbps), well beyond its designed bandwidth. Most of the cable has aged and decayed. Individual fibers are cracking and no longer used. The campus projects bandwidth demand will be in the 10 Gbps range in the near future, and the fiber plant and termination equipment must be replaced to meet that need. The building automation system and fire alarm system currently use multi-mode cabling, which is difficult to maintain. The campus seeks to use only single-mode fiber in the future. The campus has only one star-configured fiber backbone system. Failures at the building entrance leave certain buildings without data service until the backbone system can be repaired. To increase reliability, a secondary/backup system should be constructed that uses different physical routes between buildings where practical, and in different conduits within the same ductbank where alternate routes are not feasible.

The electromechanical program clock system is well past its useful life. Spare parts are difficult to obtain and most clocks do not show the time accurately. The clock system uses a copper control cable located in the underground ductbank conduit system that will be removed to make room for the fiber backbone cabling.

Budget/Schedule:

Construction	$2,357,000
Design	$310,300
DFDM Mgt	$105,600
Contingency	$282,900
Equipment	$1,500,000
TOTAL	**$4,555,800**

SBC Approval	Aug 2020
A/E Selection	Sep 2018
Bid Opening	Jan 2021
Start Construction	Mar 2021
Substantial Completion	Aug 2022
Final Completion	Dec 2022

Previous Action: None.