

Contact: John Nash

FIVE-YEAR CAPITAL PLANS
INCLUDING FY 2019 CAPITAL REQUEST

Actions Requested: Consider recommending to the Board:

1. Approval of the **Five-Year State-Funded Capital Plan** for FY 2019 – FY 2023 of \$514.2 million, including the FY 2019 capital request for state funds of \$61.8 million to be funded by appropriations and/or Academic Building Revenue Bonds (Table 1, page 6).
2. Receipt of the report on the **University of Iowa Hospitals and Clinics Five-Year Capital Plan** for FY 2019 – FY 2023 of \$270.7 million to be funded by Hospital Building Usage Funds (Table 2, page 7).
3. Receipt of the report on **Other-Funds, Five-Year Capital Plan** for FY 2019 – FY 2023 of \$860.7 million for the universities to be funded by sources other than appropriations, other funds to match appropriations, gifts, or UIHC funds (Table 3, pages 8-10).

Executive Summary: The Board is required by Iowa Code to submit its capital funding request for the upcoming fiscal year by October 1st. As a result of legislation enacted during the 2005 session, the Board is no longer required to submit a Five-Year Plan for state funded facilities. However, consistent with the Board's focus on planning, a Five-Year Plan for state funding is submitted for consideration. It is understood that it may be modified each year as the Board reviews capital requests.

This proposed Five-Year Capital Plans includes a number of major renovation projects to update and improve the learning and research infrastructure while reducing the amount of deferred maintenance.

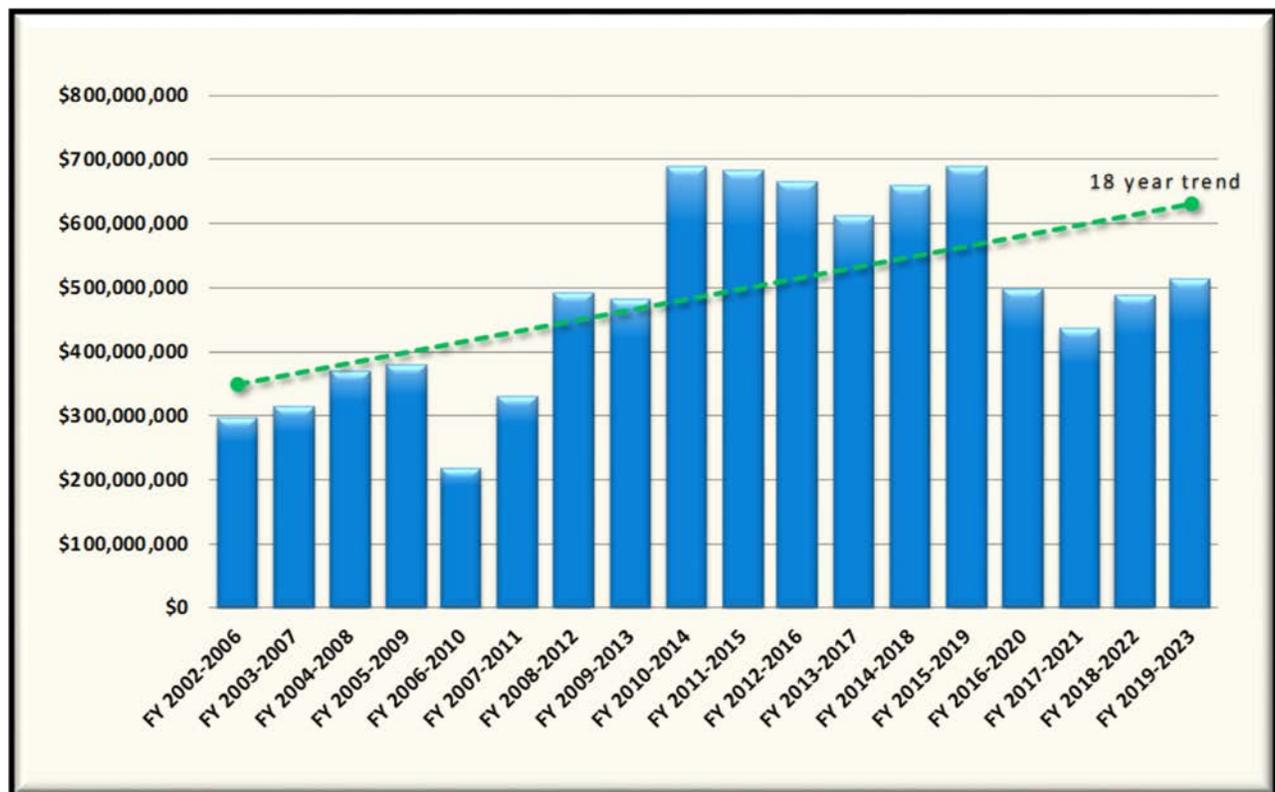
Board action on the Five-Year Capital Plans does not constitute Board approval of specific projects, approval of the sources of funds, nor authorization for fundraising for the projects, but is an estimate of future capital needs. All projects listed on the Plans would be brought forward for specific project approval, including the source(s) of funding, as required by Board policies. Major projects would need to meet the evaluation criteria adopted by the Board in June 2003, which include a section on alignment with an institution's mission and strategic plan.

1. Five-Year State-Funded Capital Plan

The proposed Five-Year State Funded Capital Plan for FY 2019 – FY 2023 to be funded by capital appropriations and/or Academic Building Revenue Bonds totals \$538.2 million, including \$514.2 million in state appropriations or academic building revenue bond authorization, with \$24.0 million in private / other funds (see page 6).

The \$514.2 million in state appropriations or academic building revenue bond authorization includes \$414.2 million in major renovation projects and \$100 million in fire safety, environmental safety, deferred maintenance, campus security, regulatory compliance, Iowa Public Radio (IPR), and energy conservation upgrades at the universities.

Five-Year State-Funded Capital Plans
(appropriations and/or Academic Building Revenue Bonds only)

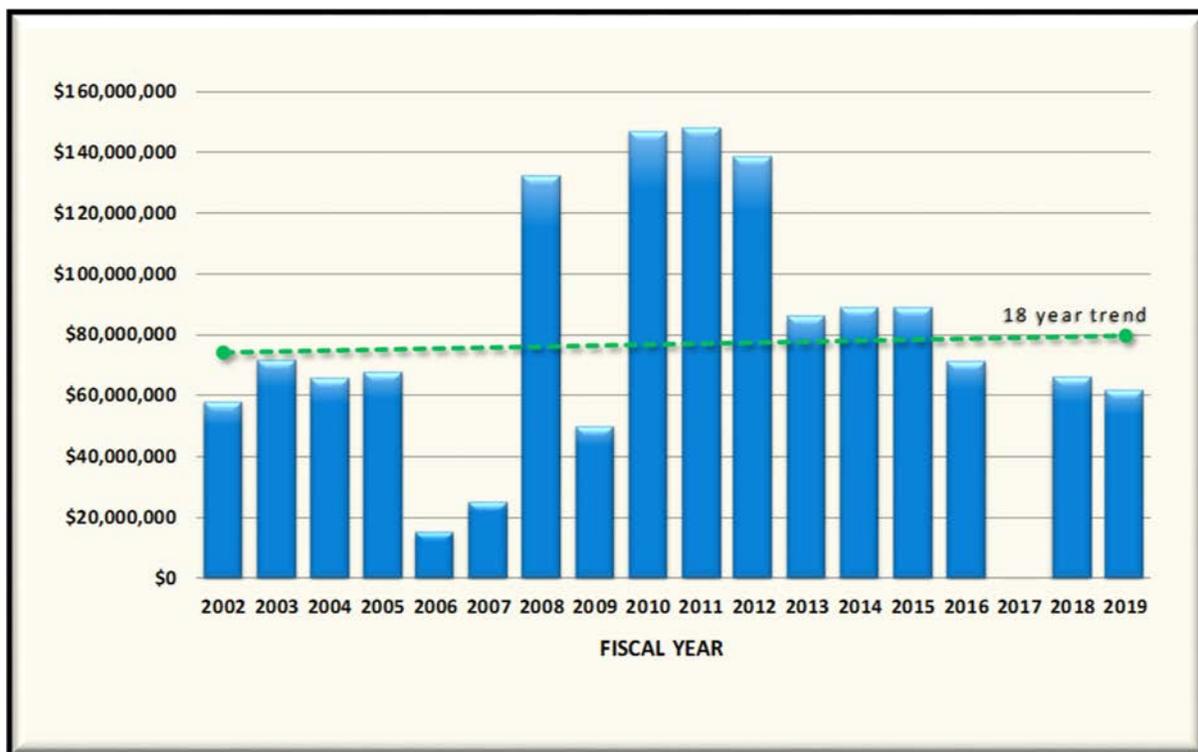


FY 2019 Capital Request

The Five-Year State-Funded Capital Plan includes the FY 2019 Capital Request, as required by the Iowa Code, for state funds of \$61.8 million. The top priority is a lump sum request for all Regent institutions that would be used to correct fire and environmental safety deficiencies, update deferred maintenance, provide campus safety improvements, address regulatory compliance, provide infrastructure for Iowa Public Radio, and undertake energy conservation improvements. Projects included in the recommended FY 2019 Capital Request are:

<u>Institution</u>	<u>Project</u>	<u>State Funds (\$ thousands)</u>
All	Fire & Environmental Safety, Campus Security, Deferred Maintenance, Regulatory Compliance, Iowa Public Radio, and Energy Conservation	\$ 20,000
SUI	Main Library Modernization	15,600
ISU	Veterinary Diagnostic Laboratory	20,000
UNI	Industrial Technology Center	2,100
ISD	Long Hall Renovation	4,119
Total FY 2019 Capital Request		\$ 61,819

First-Year Capital Requests for State Funds
(appropriations and/or Academic Building Revenue Bonds only)



Out-year funding is shown on page 6. Project descriptions can be found on pages 11-13.

2. University of Iowa Hospitals and Clinics Five-Year Capital Plan

The University of Iowa Hospitals and Clinics Five-Year Capital Plan of projects for \$270.7 million (see Table 2, page 7), would be financed by patient-generated funding (building usage funds), gifts, and UIHC bonds.

The plan focuses on remodeling/renovation/rehabilitation and includes multiple projects to invest in the infrastructure and electrical power, as well as make facilities enhancements, renovate laboratories to accommodate new technology and convert inpatient rooms to single-beds.

The projects for which approvals would be requested during the FY 2019 – FY 2023 period can be summarized by type, as follows:

	<u>(\$ Thousands)</u>
Fire & Environmental Safety Resolution	\$ 5,750
Remodeling/Renovation/Rehabilitation	265,000
Total	\$270,750

3. Other Funds, Five-Year Capital Plan

The Other-Funds Five-Year Plans (FY 2019 – FY 2023) to be financed from sources other than appropriations, other funds to match appropriations, gifts, or UIHC revenues total \$860.7 million. (see Table 3, pages 8-10) Included are projects for the residence, parking, utility and telecommunications systems.

“Other-Fund” sources include operating budget building repair funds, income from treasurer’s temporary investments, auxiliary service or enterprise bond funds (utility, telecommunications and residence systems), Iowa Department of Transportation institutional roads program, gifts and grants, and departmental renewal and replacement funds.

Amounts of other funds by institution and fiscal year (\$ thousands) are summarized below:

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Total</u>
SUI	\$ 62,818	\$ 68,437	\$ 86,758	\$ 86,426	\$ 111,511	\$415,951
ISU	52,520	63,010	53,485	30,732	23,237	222,984
UNI	<u>15,839</u>	<u>50,880</u>	<u>19,120</u>	<u>64,132</u>	<u>72,173</u>	<u>221,807</u>
Total	\$ 181,939	\$ 244,627	\$ 238,085	\$ 263,765	\$330,297	\$ 860,742

Additional Information

Regent Facilities: Quality facilities are an integral part of the academic enterprise. They help ensure quality academic programs and the ability to attract and retain students, faculty, and staff. They also improve the research productivity of the faculty.

Academic/research/administrative (general fund) facilities at the Regent institutions total approximately 18.5 million gross square feet of the 39.8 million total gross square feet of all Regent facilities. The replacement value of all Regent facilities is estimated at \$19.7 billion, of which \$9.8 billion is for academic/research/administrative facilities.

Capital Appropriations / Bonding Authorization: During the 2004 and 2007 legislative sessions, the Board received authorization for the sale of Academic Building Revenue Bonds; the total authorized amount was more than \$250 million in project costs. Tuition and fees are used to pay the debt service payments on these bonds. Tuition replacement appropriations from the State then replace that tuition and fee revenue. This funding mechanism used by the Regent universities is unique among state entities and is authorized under Iowa Code §262A.

During the 2011 legislative session, the Regent institutions received appropriations over a number of fiscal years totaling \$114.4 million, including \$110.4 million for projects (SUI – Dental Science Building Renovation; ISU – Agricultural and Biosystems Engineering; and UNI – Bartlett Hall Renovation) and \$4 million to correct immediate fire safety needs and for compliance with the federal Americans with Disabilities Act (ADA). The 2012 legislative session authorized the use of \$2 million of these funds for storm damage recovery at the special schools.

During the 2013 legislative session, the General Assembly and the Governor approved \$2 million to correct fire safety deficiencies and deferred maintenance at the Regent institutions and provide for compliance with ADA.

The 2014 General Assembly appropriated and the Governor approved a total of \$145.2 million from FY 2016 – FY 2019 for the Board’s three highest priority projects: SUI - Pharmacy Replacement / Improvements, ISU – Biosciences Facilities, and UNI – Schindler Education Center Renovation. During the 2015 session, the sum of \$40 million was appropriated for FY 2017 – FY 2021 for the ISU Student Innovation Center.

During the 2017 legislative session, \$5.5 million on the SUI - Pharmacy Replacement / Improvements project and \$4 million on the ISU – Biosciences Facilities project moved from FY 2017 to FY 2018. In addition, \$3 million on the ISU Student Innovation Center moved from FY 2017 to FY 2021. The following summarizes the total current appropriations for these projects.

<u>Fiscal Year</u>	<u>\$ millions</u>
2016	\$ 39.5
2017	48.3
2018	19.5
2019	10.0
2020	10.0
2021	3.0
Total =	\$130.3

TABLE 1



FIVE-YEAR STATE-FUNDED CAPITAL PLAN
FY 2019 - 2023
(\$ thousands)

<u>Inst.</u>	<u>Institution's Project</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>TOTAL STATE REQUEST</u>	<u>PRIVATE/ OTHER FUNDS</u>	<u>TOTAL</u>
		Amount	Amount	Amount	Amount	Amount			
All	Fire & Environmental Safety, Deferred Maintenance, Campus Security, Regulatory Compliance, IPR Radio, Energy Conservation	\$20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$100,000	\$ -	\$100,000
ISD	Long Hall Renovation	4,119	-	-	-	-	4,119	-	4,119
SUI	Main Library Modernization	15,600	26,000	10,400	-	-	52,000	-	52,000
ISU	Veterinary Diagnostic Laboratory	20,000	20,000	20,000	20,000	20,000	100,000	\$ 24,000	124,000
UNI	Industrial Technology Center Renovation / Addition	2,100	13,300	20,800	-	-	36,200	-	36,200
SUI	Pentacrest Renewal & HVAC Modernization	-	10,400	26,000	23,400	10,400	70,200	-	70,200
ISU	Learning Space Renovation	-	6,750	7,875	7,875	-	22,500	-	22,500
ISD	Girls Dormitory HVAC / Electrical	-	4,395	-	-	-	4,395	-	4,395
UNI	University Center	-	-	3,172	13,000	45,500	61,672	-	61,672
ISU	Science Building Capital Renewal	-	-	12,600	21,000	-	33,600	-	33,600
ISD	Giagreco Hall - Exterior Rehabilitation	-	-	3002	-	-	3,002	-	3,002
SUI	Entrepreneurial Collaboration Center & Related Tippie College of Business (TCOB) Space Improvements	-	-	-	10,400	10,400	20,800	-	20,800
ISD	Giagreco Hall - Boys Dorm HVAC	-	-	-	5,801	-	5,801	-	5,801
Total =		\$61,819	\$100,845	\$123,849	\$121,476	\$106,300	\$514,289	\$ 24,000	\$538,289

TABLE 2



FIVE-YEAR CAPITAL PLAN
FY 2019 - FY 2023 *
(\$ in Thousands)

University of Iowa Hospitals and Clinics	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total	Source of Funds
Fire and Environmental Safety Resolution							
Joint Commission Plan for Improvement (Multiple Projects)	\$ 650	\$ 750	\$ 750	\$ 750	\$ 750	\$ 3,650	9
Fire Protection Systems Replacement / Enhancements (Multiple Projects)	400	400	400	400	500	2,100	9
Total =	\$ 1,050	\$ 1,150	\$ 1,150	\$ 1,150	\$ 1,250	\$ 5,750	
Remodeling/Renovation/Rehabilitation							
UIHC Facility Infrastructure Investment (Multiple Projects)	\$ 17,000	\$ 17,000	\$ 17,000	\$ 20,000	\$ 20,000	\$ 91,000	9
UIHC Electrical Power Enhancements (Multiple Projects)	5,800	5,800	6,300	6,300	6,300	30,500	9
UIHC Facilities Enhancement Program (Multiple Projects)	5,000	10,000	10,000	10,000	10,000	45,000	9
Renovation of Diagnostic and Therapeutic Imaging Laboratories to Accommodate New Technology (Multiple Projects)	350	350	350	350	350	1,750	9, 11
Single Bed Inpatient Room Conversion (Multiple Projects)	-	15,150	20,850	30,000	30,000	96,000	9, 11
Pneumatic Tube System Supplementation (Multiple Projects)	-	-	250	250	250	750	9
Total =	\$ 28,150	\$ 48,300	\$ 54,750	\$ 66,900	\$ 66,900	\$ 265,000	
UIHC TOTAL =	\$ 29,200	\$ 49,450	\$ 55,900	\$ 68,050	\$ 68,150	\$ 270,750	

Source of Funds Key:

- | | | |
|-------------------------------------------------|-------------------------------------------------|----------------------------------------------------|
| 1 State Appropriation or Bonding Authorization | 5 Departmental Renewal and Replacement Funds | 9 University Hospitals Building Usage Funds |
| 2 Building Renewal Funds | 6 Auxiliary Service or Enterprise Revenue Bonds | 10 Ctr for Disabilities & Dev Building Usage Funds |
| 3 Income from Treasurer's Temporary Investments | 7 Iowa DOT (Road Use Tax Funds) | 11 UIHC Bonds |
| 4 Gifts and Grants | 8 Student Health Fees | |

* All projects identified in UIHC's Five-Year Capital Plan are contingent upon the availability of self-generated UI Hospitals and Clinics funding, UIHC bond revenue and/or gifts, approval through UIHC's annual capital budget process, finalizing specific renovation projects associated with UIHC's "Strategic Facility Master Plan" for FY 2006-2035, and approval of each project by the Board of Regents, State of Iowa. In addition, the "cutting edge" responsibility of the UIHC constantly brings about some revisions in planning. While this list includes all projects now envisioned for the FY 2019-2023 period, the dynamics of clinical service-educational demands, corollary societal forces, accreditation, and regulatory requirements may mandate other projects over time. In accord with long-standing practice, any such changes which arise will be fully documented for consideration and approval by the Board of Regents, State of Iowa.

The UIHC Five-Year Capital Plan includes only those projects that are anticipated to be initiated during fiscal years 2019-2023. It does not include projects in the UIHC's FY 2018 Capital Plan, approved by the Board in August 2017, or projects with previously approved budgets that will have expenditures during the FY 2019-2023 period.

TABLE 3



OTHER-FUNDS, FIVE-YEAR CAPITAL PLAN
(\$ in Thousands)

University of Iowa	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Source of Funds
General building maintenance, repairs, fire safety and security	\$ 9,125	\$ 5,425	\$ 9,125	\$ 9,125	\$ 12,250	\$ 45,050	2, 3
Institutional Roads Program	634	634	634	634	634	3,168	7
Parking System - Renewal & Improvements	3,170	3,100	3,000	2,840	3,970	16,080	5, 6
Reconstruct Hancher Parking Lot 55	1,600	1,700	1,800	-	-	5,100	5, 6
Upgrade CAMBUS Maintenance Facility	1,289	932	-	-	-	2,221	4, 5
College of Medicine Facilities - Renewal & Improvements	433	1,223	468	487	506	3,116	4, 5
Medical Research Facility - Renovate 4th & 5th Floors	1,479	-	-	-	-	1,479	4, 5
Bowen Science Building - Renovate 6th Floor, All Cores	3,032	-	-	-	-	3,032	4, 5
Bowen Science Building - Renovate 3rd Floor, All Cores	3,797	3,949	4,107	4,271	4,442	20,566	4, 5
Various Academic Buildings - Renewal & Improvements	-	500	12,000	35,500	40,300	88,300	2, 3, 5
Various Auxiliary Buildings - Renewal & Improvements	-	1,000	2,500	5,000	5,000	13,500	6
Lindquist Center - Remodeling	4,000	5,000	-	-	-	9,000	3, 4, 5
University Capitol Centre - Renovate for Student Services	3,500	-	-	-	-	3,500	3
Bowen Science Building - Masonry, Roof and Sprinkler Repairs	-	2,500	-	-	500	3,000	2
English-Philosophy Building - Building Upgrades	3,125	3,125	3,125	3,125	-	12,500	2
Old Capitol - Repair/Replace West Terrace	-	2,500	-	-	-	2,500	2
Phillips Hall - Renovate Restrooms	-	1,200	-	-	-	1,200	2
Athletic Facilities - Renewal & Improvements	5,000	15,000	13,000	10,000	15,000	58,000	4, 6
Housing Facilities - Renewal & Improvements	13,535	10,550	8,700	6,485	5,810	45,080	5, 6
Telecommunications - Renewal & Improvements	3,100	3,100	3,100	3,100	3,100	15,500	5
Flood Knife Gate Valves on Storm Sewers	1,000	-	-	-	-	1,000	5, 6
Chilled Water Plant 2 - Increase Cooling Tower Capacity	5,000	-	-	-	-	5,000	5, 6
Increase Chilled Water Capacity Main Campus	-	5,000	20,000	-	-	25,000	5, 6
Water Plant - Improvements & New River Water Intake	-	2,000	-	-	-	2,000	5, 6
Campus Infrastructure - Renewal & Improvements	-	-	5,200	5,860	20,000	31,060	5, 6
SUI Total =	\$ 62,818	\$ 68,437	\$ 86,758	\$ 86,426	\$ 111,512	\$ 415,951	

Source of Funds Key:

- | | | |
|-------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------|
| 1 State Appropriation or Bonding Authorization | 5 Departmental Renewal and Replacement Funds | 9 University Hospital Building Usage Fund |
| 2 General Fund Building Renewal | 6 Auxiliary Service or Enterprise Revenue Bonds | 10 Center for Disabilities and Development Building Usage Fund |
| 3 Income from Treasurer's Temporary Investments | 7 Iowa DOT (Road Use Tax Funds) | 11 University Hospital Revenue Bonds |
| 4 Gifts and Grants | 8 Student Health Fee | 12 Federal Appropriations |

TABLE 3

IOWA STATE UNIVERSITY

OTHER-FUNDS, FIVE-YEAR CAPITAL PLAN
(\$ in Thousands)

Iowa State University	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Source of Funds
Turbine Generator No 3 Overhaul	\$ 600	-	-	-	-	\$ 600	6
Power Plant Station Power Improvements	500	1,500	2,000	-	-	4,000	6
Iowa State Center Steam System Replacement	500	500	500	-	-	1,500	6
Gerdin Building Expansion							
Private Funds	5,000	5,000	-	-	-	10,000	4
University Funds	5,350	5,350	-	-	-	10,700	5
Sports Performance Center							
Private Funds	-	7,500	7,500	-	-	15,000	4
University Funds	-	7,500	7,500	-	-	15,000	6
Feed Mill and Grain Science Complex	-	4,300	8,600	8,600	-	21,500	4
Poultry Teaching and Research Facilities	1,000	2,000	2,000	-	-	5,000	4
Plant Pathology Field Research	900	-	-	-	-	900	5
Memorial Union Remodeling	5,000	5,000	2,000	-	-	12,000	3, 4, 6
Swine Teaching and Research Facilities	1,500	3,000	3,000	-	-	7,500	4
Hilton Coliseum Remodeling	8,000	-	-	-	-	8,000	6
Kildee Lush Auditorium	450	-	-	-	-	450	5
Memorial Union Parking Ramp Facade	4,500	-	-	-	-	4,500	5
Telecommunications	4,055	3,615	3,335	3,265	3,265	17,535	6
Institutional Roads Program	800	800	800	802	802	4,004	6
Iowa State Center Parking and Drive Improvements	1,500	5,000	5,000	5,000	5,000	21,500	6
Deferred Maintenance (Residence Halls only)	515	395	395	395	1,145	2,845	6
Various Fire Alarm Upgrades	-	250	75	-	-	325	6
Various Life Cycle Paint & Corridor Flooring	-	-	900	-	125	1,025	6
Frederiksen Court- Life Cycle Paint and Carpet	900	900	900	900	900	4,500	6
Friley Residence Hall-Window Replacement Phases 1 & 2 of 2	2,400	2,400	-	-	-	4,800	6
Friley Residence Hall-Roof Replacement Phase 1 & 2 of 2	1,200	1,200	-	-	-	2,400	6
Linden Residence Hall-Window Replacement	1,600	-	-	-	-	1,600	6
Linden Residence Hall-Life Cycle Flooring, Paint and LED Lighting	1,750	-	-	-	-	1,750	6
Helser Residence Hall-Replace Student Room Furniture	1,750	-	-	-	-	1,750	6
Helser Residence Hall-Remove Built-in Furniture, Abate & Replace Flooring, Paint, LED Lighting	2,750	-	-	-	-	2,750	6
Helser Residence Hall-Window Replacement	-	1,600	-	-	-	1,600	6
Friley Residence Hall-Life Cycle Corridor Carpet, Paint All, & LED Lighting in Student Rooms	-	2,300	-	-	-	2,300	6
Oak-Elm Residence Hall-Life Cycle Flooring, Paint & LED Lighting	-	1,500	-	-	-	1,500	6
Oak-Elm Residence Hall-Window Replacement	-	1,400	-	-	-	1,400	6
Maple Residence Hall-Life Cycle Flooring, Limited Plumbing, Paint & LED Lighting	-	-	2,750	-	-	2,750	6
Friley Residence Hall-Bathroom Improvements Phases 1 & 2 of 2	-	-	6,230	10,770	-	17,000	6
Helser Residence Hall-Bathroom Improvements Phases 1 & 2 of 2	-	-	-	1,000	9,000	10,000	6
Oak-Elm Residence Hall-Bathroom Improvements Phase 1 of 2	-	-	-	-	3,000	3,000	6
ISU Total =	\$ 52,520	\$ 63,010	\$ 53,485	\$ 30,732	\$ 23,237	\$ 222,984	

Source of Funds Key:

- | | |
|-------------------------------------------------|-------------------------------------------------|
| 1 State Appropriation or Bonding Authorization | 5 Departmental Renewal and Replacement Funds |
| 2 General Fund Building Renewal | 6 Auxiliary Service or Enterprise Revenue Bonds |
| 3 Income from Treasurer's Temporary Investments | 7 Iowa DOT (Road Use Tax Funds) |
| 4 Gifts and Grants | |

TABLE 3



OTHER-FUNDS, FIVE-YEAR CAPITAL PLAN
(\$ in Thousands)

University of Northern Iowa	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Five Year Total	Source of Funds
Institutional Roads	\$ 402	\$ 402	\$ 402	\$ 402	\$ 402	\$ 2,010	7
Hillside Courts Demolition (2)	3,200	-	-	-	-	3,200	6
Residence System - ResNet Upgrades (3)	500	-	1,200	1,100	-	2,800	6
Jennings Court Renovation (3)	525	-	-	-	-	525	6
Hagemann Roof Replacement	-	350	-	-	-	350	6
Noehren Hall Restroom Remodels	-	2,300	2,300	-	-	4,600	6
Noehren Hall Roof Replacement	-	-	-	-	750	750	6
Campbell Hall Modernization/Replacement	-	3,000	4,000	24,000	24,000	55,000	6
Dormitory Vanity and Sanitary Piping Replacement	-	-	-	900	900	1,800	6
Noehren Hall Cabinet Replacement	-	-	-	1,100	1,100	2,200	6
Air Conditioning in Residence Halls	-	-	-	-	500	500	6
Maucker Union Carpet/Furniture Replacement	250	-	-	-	-	250	6
Maucker Union Annual Improvements	50	50	50	50	50	250	6
Maucker Union, University Center	-	-	2,853	12,100	42,871	57,824	1, 4, 6
Football Team Room	1,300	-	-	-	-	1,300	4
Track Resurfacing - UNI-Dome and Messersmith Outdoor Track	1,000	-	-	-	-	1,000	4
Basketball/Volleyball Practice Facility	-	25,563	-	-	-	25,563	4
Outdoor Turf - Football Practice Field	-	1,500	-	-	-	1,500	4
Outdoor Soccer Field	-	-	1,500	-	-	1,500	4
UNI-Dome Restroom and Club Boxes	-	-	-	22,880	-	22,880	4
General Maintenance of Parking Lots	25	50	50	200	200	525	10
Bartlett "A" Lot Rehabilitation	-	200	-	-	-	200	10
Gilchrist "A" Lot Rehabilitation	300	-	-	-	-	300	10
MMTC "B" Lot Repairs	50	-	-	-	-	50	9
Performing Arts Center Lot Rehabilitation	-	-	200	-	-	200	10
Campus Recreation Fields Relocation	-	1,000	-	-	-	1,000	3
Steam Distribution System Replacement Phase 2	6,500	11,665	5,165	-	-	23,330	6
Cooling Tower Replacement	-	2,200	-	-	-	2,200	6
Power Plant Boiler #3 Electrical Infrastructure	-	1,200	-	-	-	1,200	6
Building Repair	1,400	1,400	1,400	1,400	1,400	7,000	2
UNI Total =	\$ 15,502	\$ 50,880	\$ 19,120	\$ 64,132	\$ 72,173	\$ 221,807	
SUI, ISU & UNI GRAND TOTAL =	\$ 130,839	\$ 182,327	\$ 159,363	\$ 181,290	\$ 206,922	\$ 860,742	

FY 2019 Capital Project Descriptions

SUI – Library Modernization

FY 2019 State Request
\$15.6 million

During the last 30 years, technological capabilities, financial realities, and the emergence of an “electronic information society” have brought about a dramatic change in the way the libraries fulfill their missions. Except for the Library Learning Commons opened in Fall 2013 on the lower level, the Main Library remains essentially, as it was built in 1951. It received over 1 million visitors over the past year, contains 427,000 gross square feet of space and has a deferred maintenance need of more than \$29.6 million, the most of any University building.

As the first phase of the long-range modernization plan, the University invested \$21.5 million in non-state appropriated funds for a new off-site warehouse with the capacity to house 5 million of the library’s volumes. As the second phase, this project would expand and complement the Library Learning Commons, support the library as the new home for the “academic neighborhood” and student success, and allow for promising collaboration opportunities between the Main Library and the new Museum of Art to be located south of the Library.

Specifically, mechanical and electrical systems would be upgraded and spaces would be reconfigured to support modern student learning methods. Accessibility would be improved and the functionality of the University library system would be advanced to be well positioned for future generations of University students.

The FY 2019 requested funds of \$15.6 million would begin the project. The five-year plan includes an additional \$36.4 million for the project over the next two fiscal years of FY 2020 and FY 2021.

ISU – Veterinary Diagnostic Laboratory

FY 2019 State Request
\$20.0 million

As the only full-service and fully accredited veterinary diagnostic lab in the state of Iowa, the ISU Veterinary Diagnostic Laboratory (VDL) serves to protect animal and human health and advance Iowa's \$32 billion dollar animal agriculture industry by providing timely, high quality, and comprehensive veterinary diagnostic services, teaching veterinary students, graduate students, diagnosticians and veterinary practitioners, and conducting applied research to advance diagnostic and production animal medicine. The VDL is housed in the College of Veterinary Medicine Building. With the exception of the addition of a specialized BSL-3 lab space in 2004, the overall footprint and infrastructure of the VDL has not been substantially expanded or updated since the building was initially occupied in 1976.

The volume of diagnostic services, research and teaching has increased dramatically since the facility opened. VDL faculty and technical staff have grown from 11 faculty and 20 staff in 1976 to 25 faculty and 120 technical staff, processing more than 75,000 diagnostic case submissions and conducting more than 1.2 million diagnostic assays each year for livestock producers.

The requirements for expanded diagnostic technologies, biocontainment and biosafety laboratory standards and overall diagnostic capabilities have also increased. The construction of a new facility is required to accommodate optimal process flow, ideal functional relationships, address critical issues of space quantity and quality, and provide the appropriate biosafety and biocontainment necessary for a modern diagnostic lab.

The FY 2019 requested funds of \$20.0 million would begin the project. The five-year plan includes an additional \$80.0 million in state appropriations, \$20.0 million in gifts, and \$4.0 million in university funds for the project over the next four fiscal years of FY 2020 – FY 2023.

UNI – Industrial Technology Center

FY 2019 State Request
\$2.1 million

Built in 1974, the Industrial Technology Center is programmatically obsolete and is undersized for the program demands of the 21st century. The proposed project would expand the facility by 45,000 GSF (29,400 NASF) and renovate an additional 64,438 square feet. The Department of Technology proposes to renovate and expand this facility to meet the needs of Iowa industry and to better prepare teachers to teach STEM disciplines. The proposal supports the Iowa Department of Education's initiative Career and Technical Education program by preparing the teachers who would prepare secondary school students and to educate the workforce in industrial and construction fields.

These programs have become increasingly important to the economic development of the state. The Iowa Department of Education has created the Career and Technical Education program to offer a sequence of courses, which are directly related to the preparation of individuals in employment for current or emerging occupations. The purpose of this program is to align secondary education with postsecondary education so that Iowa's students are prepared to enter the workforce with the skills they need. This in turn would make Iowa businesses more competitive and successful.

The Department of Technology is uniquely positioned in support of two areas of the program; Information Solutions and Applied Sciences, Technology, Engineering and Mathematics. The Department of Technology programs offer the advantages of four-year education in these fields, while focusing on production skills that industries need. Thus, the graduates fill an important workforce gap between the technical skills of the community college graduate and the design and engineering graduate.

The FY 2019 requested funds of \$2.1 million would begin the project. The five-year plan includes an additional \$34.1 million over the next two fiscal years of FY 2020 and FY 2021.

ISD – Long Hall Renovation

FY 2019 State Request
\$4.2 million

J. Schuyler Long Hall, built in 1930, serves as the high school and middle school building. It is an inefficient building with inadequate ventilation and air circulation. The project would replace the heating and air conditioning systems (window units), upgrade the electrical system including new lighting and power, install a new fire suppression system, address issues with tuck pointing of the brick and mortar, replace the leaky windows, and renovate classrooms to accommodate the needs of deaf and blind students. There are environmental issues such as water seeping into the walls and in/around the windows, creating water issues and mold within the building.

Having a renovated building is key to the development of a regional program at ISD for students who are blind, visually impaired, deaf, hard of hearing or deaf/blind. The project would provide an efficient, safe, and contemporary setting to support appropriate educational services that add to the continuum of educational services.