



**University of Massachusetts Boston
Capital Budget FY2021
Capital Plan FY2021 – FY2025**

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UMB Capital Budget & Plan, FY2021-2025

Mission

The University of Massachusetts Boston is a public research university with a dynamic culture of teaching and learning, and a special commitment to urban and global engagement. Our vibrant, multi-cultural educational environment encourages our broadly diverse campus community to thrive and succeed. Our distinguished scholarship, dedicated teaching, and engaged public service are mutually reinforcing, creating new knowledge while serving the public good of our city, our commonwealth, our nation, and our world.

Introduction

The University of Massachusetts Boston is a nationally recognized urban public university and part of the UMass System which includes campuses in Amherst, Dartmouth, Lowell and Worcester. It is the only public research university in Boston. The waterfront campus resides on Columbia Point in the Dorchester neighborhood of Boston, with easy access to downtown Boston, and is located next to the [John F. Kennedy Library and Presidential Museum](#), the Commonwealth Museum and Massachusetts State Archives, and the [Edward M. Kennedy Institute for the United States Senate](#).

UMass Boston's student body hovers around 16,000 undergraduate and graduate students. In fall 2019, the university's nine [colleges and schools](#) offered 79 undergraduate programs (bachelor's degrees, undergraduate certificates, post-baccalaureate certificates) and 114 [graduate programs](#) (master's degrees, doctoral degrees, graduate certificates, CAGS, and post-master's certificates).

The campus was originally constructed in 1974 with an athletic facility added in 1977. Until the most recent campus Master Plan was completed in 2009, there had been very little constructed on campus. Within a few years of the 2009 plan, the campus undertook several large building projects including a new academic building, a new integrated sciences complex, and more recently, a new central parking garage and the system's first public-private-partnership residence hall. Due to the failing substructure and parking garage underneath the campus, the campus also undertook a large infrastructure project to relocate all utilities that ran through the failing substructure to the roadways around campus which is now available to serve all buildings and future development sites.

Governance of Capital Projects

The UMASS Board of Trustees¹ must approve any capital project that exceeds \$10 million in value. Any increase in project cost greater than 10% requires an additional vote of the Board. The University President must approve any capital project valued greater than \$2 million and less than \$10 million. All projects are approved by the Chancellor and cabinet before going forward locally or to the President's Office or Board of Trustees for approval.

Capital Budgeting and Planning Background

The development of a campus-level long-term capital planning and budgeting process began in 2018 arising from the need to reduce planned debt-funded capital expenditures to focus available resources on construction projects already underway – namely the Utility Corridor and Roadway Reconstruction

¹ T93-122-Capital Planning, Land & Facilities Use 1.9.19

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("UCRR") and West Parking Garage projects. Further, this best practice was adopted to improve the accuracy of budgets and forecasts of related operating expenses such as depreciation and interest on debt in support of a reaching a balanced annual operating budget. Prior to this process, capital expenditures were accounted for alongside operating expenditures and capitalized at year-end through review of university transactions. The removal of capital expenses from operating budgets was also needed to increase visibility into and stabilize the latter. Further, very few capital expenditures outside of very large construction projects were centrally planned for or budgeted in advance causing a lack of alignment with strategic goals of the campus and coordination among campus support departments such as IT, Facilities, Receiving, Property, and Environmental Health & Safety among others. In short, there are many financial and operational benefits to establishing and updating an annual capital budget and 5-year capital plan.

The Capital Budgeting and Planning Process

The Capital Budget & Capital Plan is updated annually in tandem with the development of the annual operating budget to align the funding assumptions with financial capacity and availability of liquid resources and to value the operating effects of capital expenditures (additional costs or savings/revenue) can be captured. During this process, all budgetary units are asked to review and update their existing capital projects for changes in cost and timing or removal from the list. Also, at this time, request are submitted for proposed new capital expenditures that begin in the upcoming fiscal year and may span the five-year period following. New requests, along with the required documentation are forwarded to the Office of Budget & Financial Planning ("OBFP") for a review. OBFP researches, consolidates and prioritizes, the comprehensive list of all projects. This list is then forwarded to the Chancellor's Cabinet for review, which initiates the process for final capital budget approval. . Once approved, all budgetary areas are sent a report containing a list of their approved projects to begin the process of set up and procurement. This approval process may be expanded once campus-wide strategic planning efforts begin so that the annual capital budget and 5-year plan may be aligned in support of strategic goals.

In support of the plan and to make it operational, robust capital funding and spending guidelines have been established for approval, monitoring, and analyzing of expenditures for each project. This process is used for the whole range of capital expenditure requests and is envisioned to be flexible enough to engage stakeholders at all institutional levels to address their needs related to acquiring, maintaining, repairing, and upgrading fixed assets and some moveable equipment. These includes plant, property, equipment (PP&E) expenditures, like campus buildings, office and network infrastructure, vehicles, machinery, software, IT equipment, etc. Each year campus budget areas submit a requested capital plan for their anticipated and on-going needs in the upcoming five-year window coordinated by OBFP. The list of requests is reviewed by the Chancellor's cabinet who make a recommendation to the Chancellor for the plan's approval. Once the plan has been approved by the Chancellor, budget areas must complete a formalized capital appropriation request (CAR) form to initiate fund allocation for each new capital expenditure. Capital expenditures utilize a separate funding group referred to as the plant fund group. Once the CAR form process is complete, budget areas are supplied with a budgeted chart field in the plant fund group. Using the plant fund group for capital expenditures has numerous advantages for planning and reporting. In-year forecasting and budgeting of capital expenditures and depreciation has become more efficient with regular reporting of expense in the plant fund group. There is also added efficiency in the year-end process as the controller's office can more readily identify capital expenses that need to be added as an asset and depreciated or added to capital expense in progress on the balance sheet.

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Capital Budgeting Funding Sources

The FY21 Capital Budget total for all approved capital expenditures and funding sources is \$424.9M, including expense from prior years related to on-going capital expenditures with 43% bond funded, 33% Local funded, 24% of State funded, and <1% vendor funded. Capital expenditure requests are categorized based on their funding source. Currently Local funding sources include nearly all “unrestricted” funding sources, or funding that is not from a restricted grant or gift. In the future the campus plans to include restricted funding sources in the capital plan.

The primary Local funded sources are from unrestricted funds which include: General Operating Funds (“GOF”) derived from annual budgeting of depreciation², Lab fees charged to students for specific courses, Research Trust Fund (“RTF”) arising from the administrative percentage charged to restricted grants, and Auxiliary-based funds including parking, dining, and other user-derived revenue. These categories of unrestricted funding sources are important when balancing against the anticipated effects of the capital plan as it pertains to the operating margin of the campus. There are also externally funded sources restricted to capital expenditure that include funding from the State of Massachusetts and occasional capital funds from vendors under contract. Additionally, there is Bond funding available through the University of Massachusetts Building Authority (“UMBA”) which is repaid by the campus through principle and interest payments. The university also plans a capital contingency reserve in future years based on the amount of depreciation projected to be generated through the operating budget. *Please refer to Appendix 1 for more details on funding sources.*

As **Appendix 2** indicates, the current year capital budget and five-year capital plan (FY21-25 capital plan), Total Capital Spending is estimated to amount to \$293.9M, excluding prior year project spending, below is a breakdown of this sum by funding sources noted above.

Funding Source	FY21 -25 Capital Plan	% of Total	Local Funding Source	FY21 -25 Capital Plan	% of Total
BOND	103,569,208	35.24%	ESS	16,599	0.04%
STATE	55,326,454	18.83%	GOF	36,629,694	93.72%
LOCAL	39,083,356	13.30%	Lab Fee	1,163,779	2.98%
VENDOR	2,100,000	0.71%	RTF	1,248,284	3.19%
CONTINGENCY	93,783,644	31.91%	WUMB	25,000	0.06%
Total	293,862,663	100.00%	Total	39,083,356	100.00%

Almost half of the new spending over the 5-year plan period will be from local funding sources, including \$39.1M (13%) of already earmarked to approved capital projects and \$93.8M (32%) of available contingency reserves generated by depreciation. \$55.3M (19%) State funds and \$103.6M (35%) Bond funds will fund the Substructure Demolition Quadrangle Development (“SDQD”) project and State Division of Capital Asset Management & Maintenance (“DCAMM”) “Critical Repairs” program projects; Vendor contract project funding of \$2.1M is related to dining services improvements,

Appendix 3 presents more details on Local Funding and Contingency reserve funding for the forthcoming five-year period. As was noted earlier, the Contingency reserve includes cash generated by the annual operating budget through depreciation after principal payments. During the FY21 Capital Budget & FY21-25 Capital Plan period the Contingency reserve will total to \$93.8M.

² Depreciation is designed to build up cash reserves to address capital needs in the future, the university includes reserve spending as part of the 5-year capital plan when projects have not yet been identified

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The Plan: Funded Projects by Category and Funding Source

The University Capital budget plan is designed to provide funding for the short and long-term physical needs of the university. The annual review and update of the capital budget and plan provides a five-year projection of capital needs in the following focus areas:

- New Building
 - The construction of new structures on campus in support of operations or mission (the current 5-year plan has no plans for new structures and therefore is not listed on the table or in the text below as a category)
- Deferred Maintenance/Infrastructure
 - Expenditures meant to address a backlog of maintenance activity on the existing physical campus and upgrade current infrastructure to support
- IT infrastructure/Software
 - Expenditures meant to upgrade campus technology hardware and/or software
- Auxiliary/Revenue Operations
 - Expenditures designed to enhance or maintain revenue generating operations
- Research
 - Expenditures meant to enhance the research capabilities and profile of the institution
- Instruction
 - Expenditures meant to directly enhance the student learning experience
- Contingency
 - Reserve funding generated from depreciation available for TBD capital expenditures

Project Category	Encumb	FY 21	FY 22	FY 23	FY 24	FY 25	FY21-25 Capital Plan	% of Total
	FY21	Requested	Projected					
New Building	-	-	-	-	-	-	-	0%
Deferred Maintenance/Infrastructure	68,407,238	19,086,031	71,392,373	23,352,913	9,673,300	-	191,911,856	65%
IT infrastructure/Software	24,204	2,717,438	245,000	75,000	-	-	3,061,642	1%
Auxiliary/Revenue Operations	45,172	317,824	525,000	525,000	525,000	525,000	2,462,996	1%
Research	-	1,065,580	150,000	186,000	-	-	1,401,580	0%
Instruction	38,971	1,172,725	-	29,250	-	-	1,240,946	0%
Contingency	-	287,486	15,675,670	20,963,286	24,704,202	32,153,000	93,783,644	32%
Total	68,515,585	24,647,084	87,988,043	45,131,449	34,902,502	32,678,000	293,862,663	100%

Appendix 5 presents FY21–25 Capital Plan broken down by project categories. Below is a table that in addition to the Total Capital Plan, provides encumbered and requested capital expenditures in FY21 and projected costs for FY22 – 25.

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Deferred Maintenance/Infrastructure

Project Category	Encumb FY21	FY 21 Requested	FY 22	FY 23	FY 24	FY21 -25 Capital Plan	% of Total
			Projected				
Bond	34,844,146	41,468	56,871,731	11,811,863	-	103,569,208	54%
Local	935,502	14,325,099	8,026,330	5,069,464	4,659,798	33,016,193	17%
STATE	32,627,590	4,719,464	6,494,312	6,471,586	5,013,502	55,326,454	29%
Total	68,407,238	19,086,031	71,392,373	23,352,913	9,673,300	191,911,856	100%

Appendix 6 contains more details pertinent to Deferred Maintenance/Infrastructure capital expense category. It is funded by three funding sources: *DCAMM*, *Local*, and *Bond*. The total committed amount for FY21 equals to \$87.5M, while the total projected costs for FY22-25 amount to \$104.4M.

UMass Boston has experienced two major waves of construction on campus; one in the 1970s and another in recent years. In the early wave, which is when the campus was first constructed, the majority of capital funding was directed towards new construction and infrastructure. This trend has been changing since some of the buildings are now over 50 years old. According to sightlines data the campus currently has \$386.8M in outstanding deferred maintenance, addressing this need is the highest priority for the campus in formulating a capital plan.

In 2009, the University developed an innovative [25-year Master Plan](#), which is a plan to transform the University into a “model student-centered, urban public research university of the 21st century”. The Master Plan recommended construction of new buildings, landscapes, circulation corridors, and utilities. Several projects were completed under this plan, including the Integrated Sciences Complex (“ISC”), University Hall, Utility Corridor and Roadway Reconstruction (“UCRR”), UMASS’ first Public-Private-Partnership (“P3”) residence hall, and the West Parking Garage improved and enhanced the student experience and created a more sustainable and attractive environment.

The next phase of renovations at the University is already underway, the Substructure Demolition Quadrangle Development (“SDQD”) project addresses structural problems of the original campus construction. The SDQD project involves the demolition two buildings: the old Science Center and Swimming pool buildings; the existing concrete plaza, and some elements of the substructure, to create a new environmentally friendly quadrangle. In conjunction with SDQD, there is also an enabling project (there are several defined below) named Renovation of Existing Academic Buildings (“REAB”), the purpose of which is to accommodate those moving from demolished buildings and to extend the useful lives of the remaining original buildings. REAB includes construction in four original campus buildings (McCormack and Wheatley Halls, Healey Library, and Quinn administration building). Much of the renovations and a substantial relocation of programs from the Science Center were completed in January 2020. The SDQD/REAB projects are often combined and referred to as one project.

State funds cover \$55.3M of the FY21–25 Capital Plan for Deferred Maintenance/Infrastructure costs of \$191.9M. Below is a list of major renovation and DCAMM critical repair projects:

- SDQD/REAB Project: \$31.2M
- Exterior Doors Replacement (Clark, Healey, McCormack, Quinn, Service & Supply): \$4.1M
- Sprinklers & Fire Alarm Systems (Clark, Healey, Quinn, S&S): \$6.9M
- Quinn Roof Replacement & Repair: \$3.9M
- Wheatley Hall Façade Repairs: \$3.4M
- Healey Library Primary Transformer Replacement: \$1.1M
- Repair and Reseal CC Garage Floor: \$0.8M
- Clark Replace Centrifugal Chiller (rink): \$0.7M

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- Air Handling Unit Replacements: \$0.9M

Bond resources amount to \$103.6M, 54% of all costs. The Appendix 6 and above table indicate significant spending from bond funds until FY23, followed by a reduction starting FY24 as a result of management of overall debt capacity related to the SDQD/REAB project. Below is a list of major renovation and critical repair projects:

- SDQD/REAB: \$100.1M
- West Parking Garage construction: \$2.4M
- Elevator Renovations in Clark, McCormack, Quinn, and Wheatley: \$1.0M

Local Funds allocated to Deferred Maintenance capital expenses total \$33.0M. A portion of this amount enables the SDQD/REAB projects (see local projects enabling SDQD/REAB table). Below is a list of major renovation and critical repair projects:

- McCormack Roof Replacement and Building Envelope Repairs: \$9.5M
- Sprinklers & Fire Alarm Systems (Clark, Healey, Quinn, S&S): \$5.4M
- SDQD/REAB Enabling Projects (detailed table below): \$4.0M
- Exterior Doors Replacement (Clark, Healey, McCormack, Quinn, Service & Supply): \$3.2M
- Wheatley Hall Façade Repairs: \$2.6M
- Primary & Secondary Transformers' Replacement (Healey, Quinn, SWP House): \$1.7M
- Roof Replacement (Quinn, Service & Supply): \$0.9M
- Classroom/Lab/Office/Health Services COVID-19 Modifications: \$0.7M

Local-funded projects enabling SDQD/REAB

Project Title	Project to Date Exp	FY21	Grand Total
IT Infrastructure hub (IHUB) Relocation	3,722,814	427,186	4,150,000
IHub security equipment	-	15,000	15,000
Machine Shop Relocation	140,443	1,810,280	1,950,723
Clark Center Offices Relocation	10,011	1,111,523	1,121,534
Clark Center Equipment room electrical shelving	-	150,000	150,000
Greenhouse Relocation	185,733	364,267	550,000
REAB University Expenses	271,035	28,965	300,000
SDQD University Expenses	-	130,549	130,549
Total	4,330,037	4,037,769	8,367,806

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IT infrastructure/Software

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY21-25 Capital Plan
		Requested	Projected			
Local	24,204	2,717,438	245,000	75,000	-	3,061,642
Total	24,204	2,717,438	245,000	75,000	-	3,061,642

This capital expense category is funded only from Local Funding sources currently. The total committed amount for FY21 is \$2.7M, while the total projected costs in FY22-25 approved IT projects amounts to \$0.3M.

The major effort in this category is to modernize the campus network under the Network Edge Switches project totaling \$1.8M, with the recent pandemic and remote campus this project has become even more critical. Another project of note is the IT infrastructure HUB or "IHUB" which is an enabling project for SDQD and involves moving and outfitting the IHUB into a new location to allow for demolition of the Science Center. The remaining IT related projects are well underway and include Security Systems (Emergency, Building Access & Control, and other control systems) and Digital Classrooms in a plan for modernization to meet the criteria of 21st century urban educational institution.

Some major projects are the following:

- Network Edge Switches: \$1.8M
- IT Infrastructure Hub equipment (hardware approved due to SDQD/REAB): \$0.3M
- Analog to Digital Classrooms: \$0.2M
- Security Systems: \$0.6M

Auxiliary/Revenue Operations

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY 25	FY21-25 Capital Plan	% of Total
		Requested	Projected					
Local	45,172	317,824	-	-	-	-	362,996	15%
Vendor	-	-	525,000	525,000	525,000	525,000	2,100,000	85%
Total	45,172	317,824	525,000	525,000	525,000	525,000	2,462,996	100%

Appendix 7 contains more details describing this capital expense category. It is funded by two funding sources: Local Funding and Vendor. The total committed amount for FY21 equals to \$0.4M, all Local Funding. The projected expenses for FY22-25 total to \$2.1M of commitment from Sodexo to improve dining services. \$0.2M is planned for Parking Equipment purchases bringing enhanced technology into the West and Campus Center garages and surface parking lots, which was not included in the West Parking Garage construction project. A total of \$0.1MK will be invested into various projects in Food Services.

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Research

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY21-25 Capital Plan
		Requested	Projected			
Local	-	1,065,580	150,000	186,000	-	1,401,580
Total	-	1,065,580	150,000	186,000	-	1,401,580

Research capital expense category is funded only from Local Funding - RTF. The total committed amount for FY21 equals to \$1.1M; the total projected costs in FY22-25 amount to \$0.3M.

The College of Science & Mathematics and VP Research are the two significant areas where FY21 Capital Funds are planned, \$0.6M and \$0.8M respectively. The projects include equipment, IT/Software, core specialized facilities and labs replacements to meet the needs of a modern research university.

Instruction

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY21-25 Capital Plan
		Requested	Projected			
Local	38,971	1,172,725	-	29,250	-	1,240,946
Total	38,971	1,172,725	-	29,250	-	1,240,946

Instruction capital expense category is funded only from Local Funding - Lab fees. The total committed amount for FY21 equals to \$1.2M, while the total projected costs for FY22-25 amount to \$0.03M. Investments in this category enhance teaching experience in an on campus face-to-face setting as well as for a remote setting they are designed support innovation, technological advances, and create environmentally responsible and sustainable academic programs.

Here is a summary of planned investments by College:

- Liberal Arts: \$0.1M
- College of Nursing & Health Sciences: \$0.6M
- School for the Environment: \$0.1M
- College of Science & Mathematics: \$0.5M

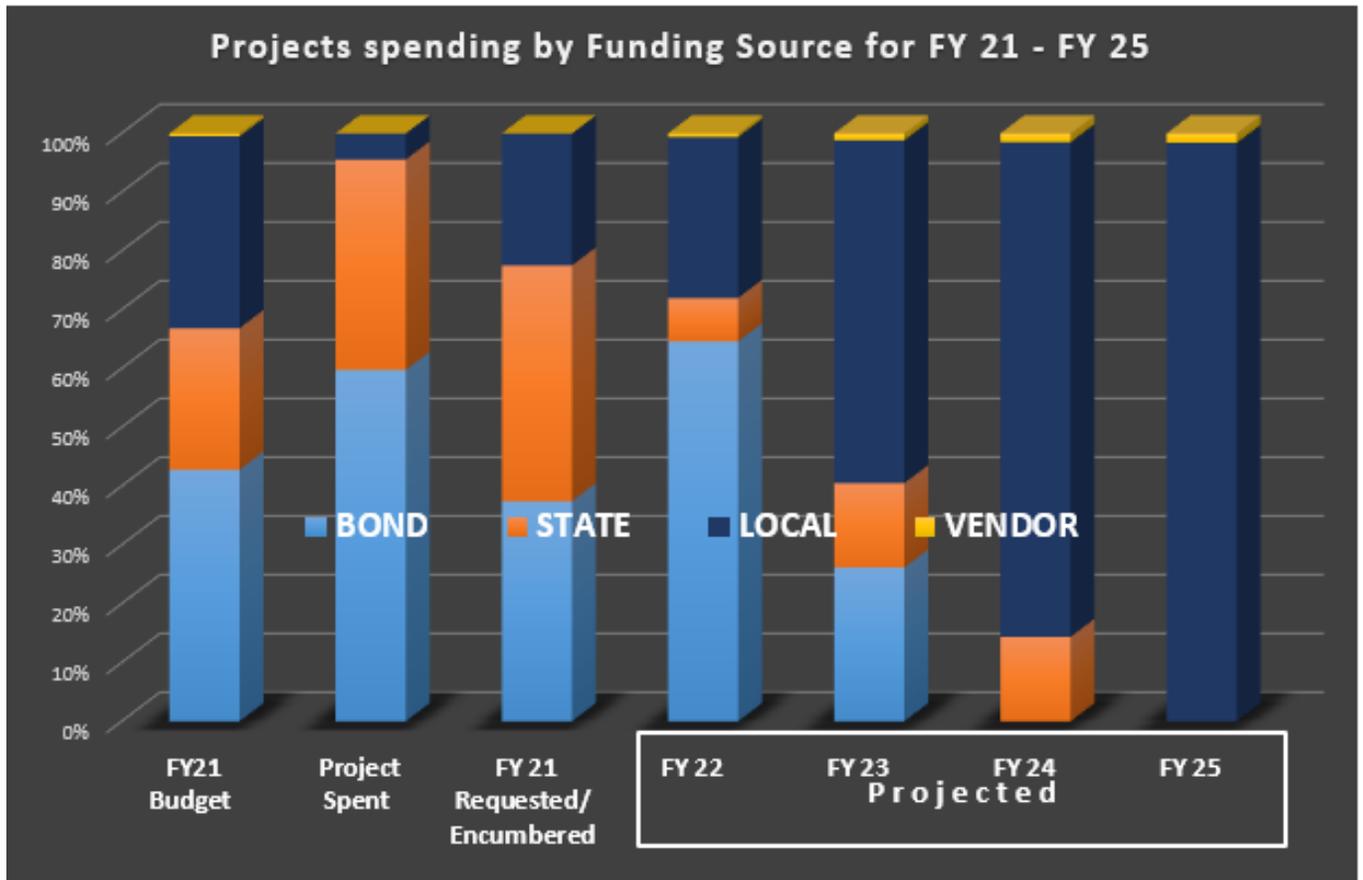
Appendix 8 lists all Capital Projects approved for FY21. The list is sorted by Capital project categories.

Appendices

Appendix 1: Capital Planning & Budget for FY21 – 25 by Funding Sources

Funding Source	FY21 Budget	Project Spent	FY 21				
			Requested/ Encumbered	FY 22	FY 23	FY 24	FY 25
BOND	181,878,721	78,309,513	34,885,614	56,871,731	11,811,863	-	-
STATE	102,216,715	46,890,261	37,347,054	6,494,312	6,471,586	5,013,502	-
LOCAL	138,650,439	5,822,714	20,930,000	24,097,000	26,323,000	29,364,000	32,153,000
VENDOR	2,100,000	-	-	525,000	525,000	525,000	525,000
Total	424,845,875	131,022,488	93,162,669	87,988,043	45,131,449	34,902,502	32,678,000

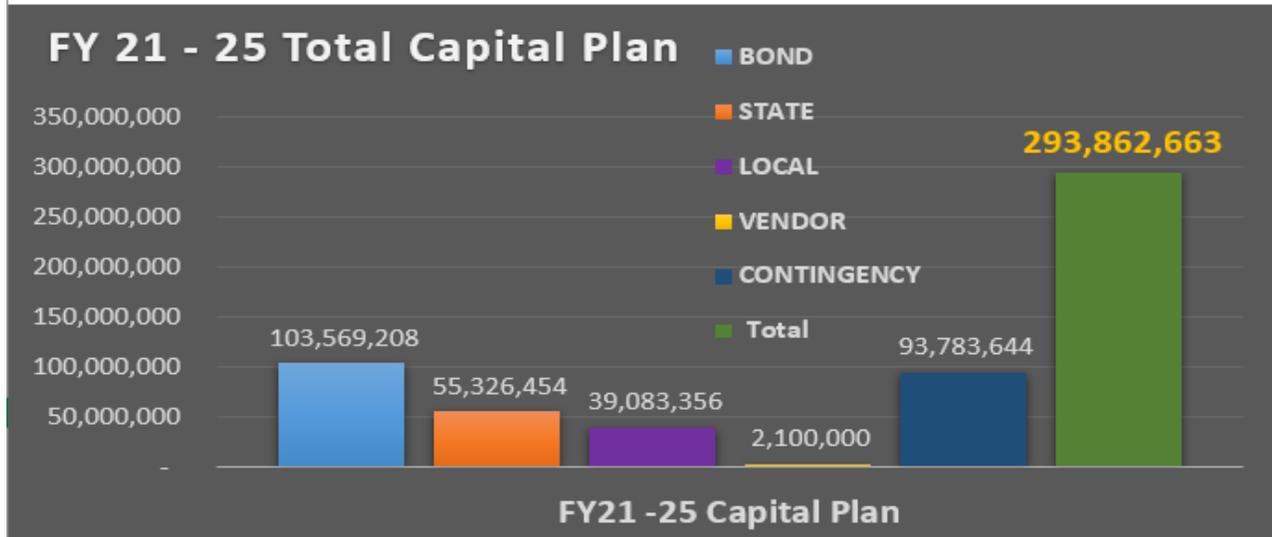
Funding Source	FY21 Budget	Project Spent	FY 21				
			Requested	FY 22	FY 23	FY 24	FY 25
BOND	43%	60%	37%	65%	26%	0%	0%
STATE	24%	36%	40%	7%	14%	14%	0%
LOCAL	33%	4%	22%	27%	58%	84%	98%
VENDOR	0%	0%	0%	1%	1%	2%	2%
Total	100%	100%	100%	100%	100%	100%	100%



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Appendix 2: FY21 -25 Total Capital Plan by Funding Sources

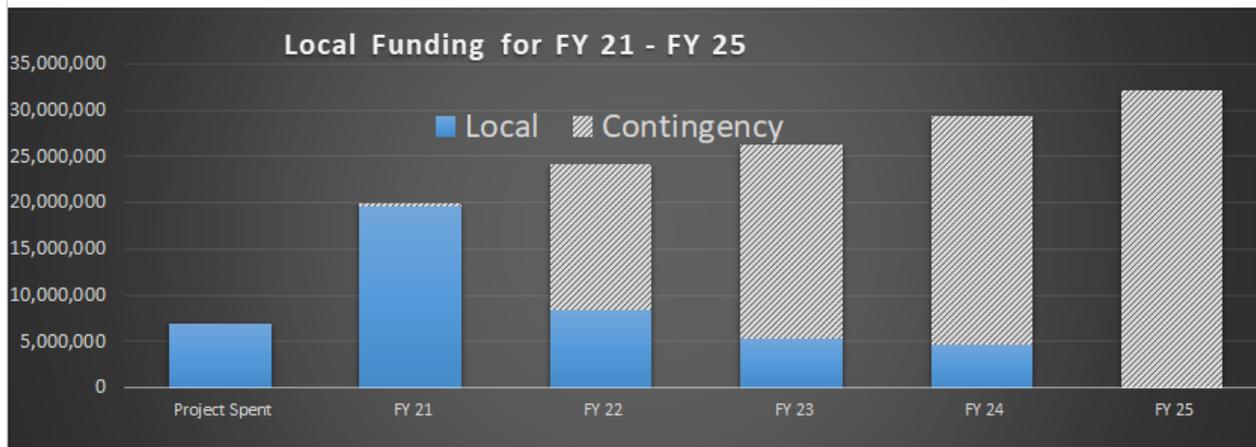
Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY 25	FY21 -25 Capital Plan	% of Total
BOND	34,844,146	41,468	56,871,731	11,811,863	-	-	103,569,208	35%
STATE	32,627,590	4,719,464	6,494,312	6,471,586	5,013,502	-	55,326,454	19%
LOCAL	1,043,848	19,598,666	8,421,330	5,359,714	4,659,798	-	39,083,356	13%
VENDOR	-	-	525,000	525,000	525,000	525,000	2,100,000	1%
CONTINGENCY	-	287,486	15,675,670	20,963,286	24,704,202	32,153,000	93,783,644	32%
Total	68,515,585	24,647,084	87,988,043	45,131,449	34,902,502	32,678,000	293,862,663	100%



Appendix 3: Capital Planning & Budget for FY21 – 25 - Local Sources

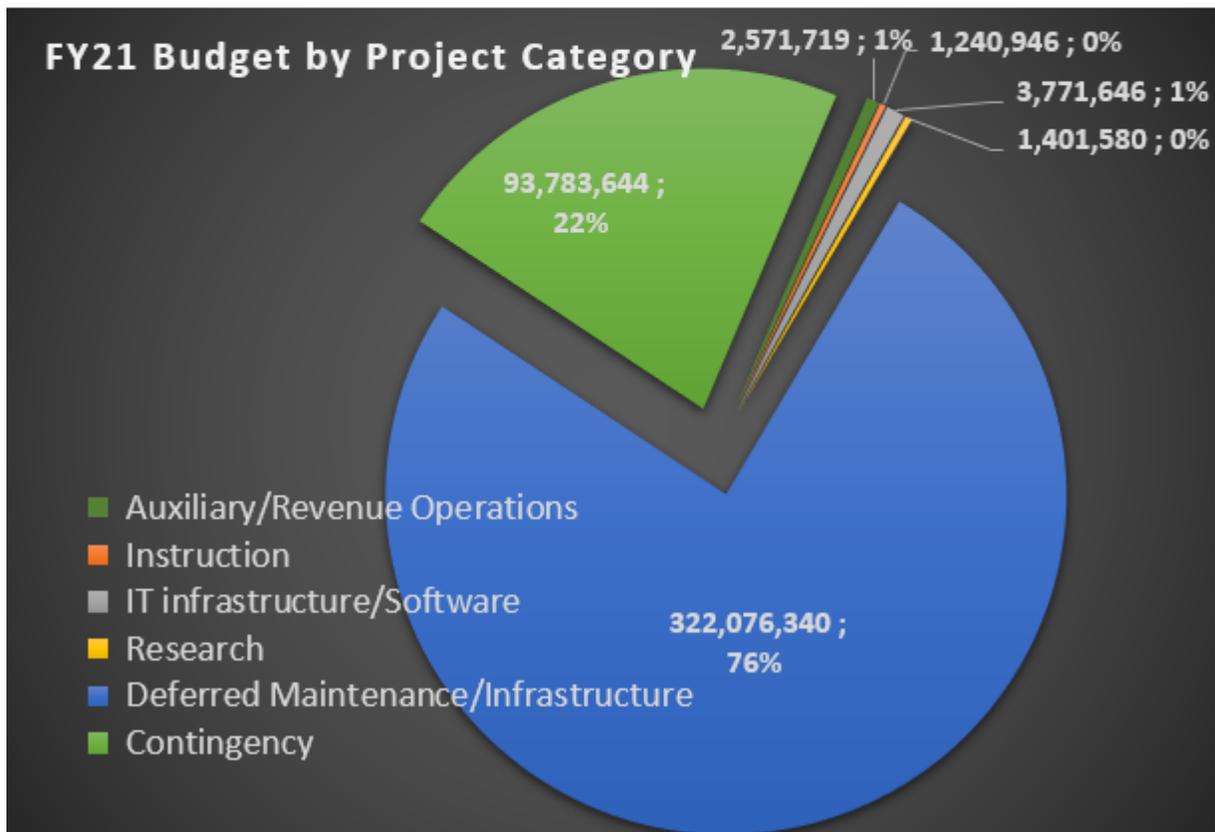
Local Funding	FY21 Budget	Project Spent	FY 21	FY 22	FY 23	FY 24	FY 25
Local	44,866,795	6,866,562	19,598,666	8,421,330	5,359,714	4,659,798	-
Contingency	93,783,644	-	287,486	15,675,670	20,963,286	24,704,202	32,153,000
Total	138,650,439	6,866,562	19,886,152	24,097,000	26,323,000	29,364,000	32,153,000

Local Funding	FY21 Budget	Project Spent	FY 21	FY 22	FY 23	FY 24	FY 25
Local	32%	100%	99%	35%	20%	16%	0%
Contingency	68%	0%	1%	65%	80%	84%	100%
Total	100%	100%	100%	100%	100%	100%	100%



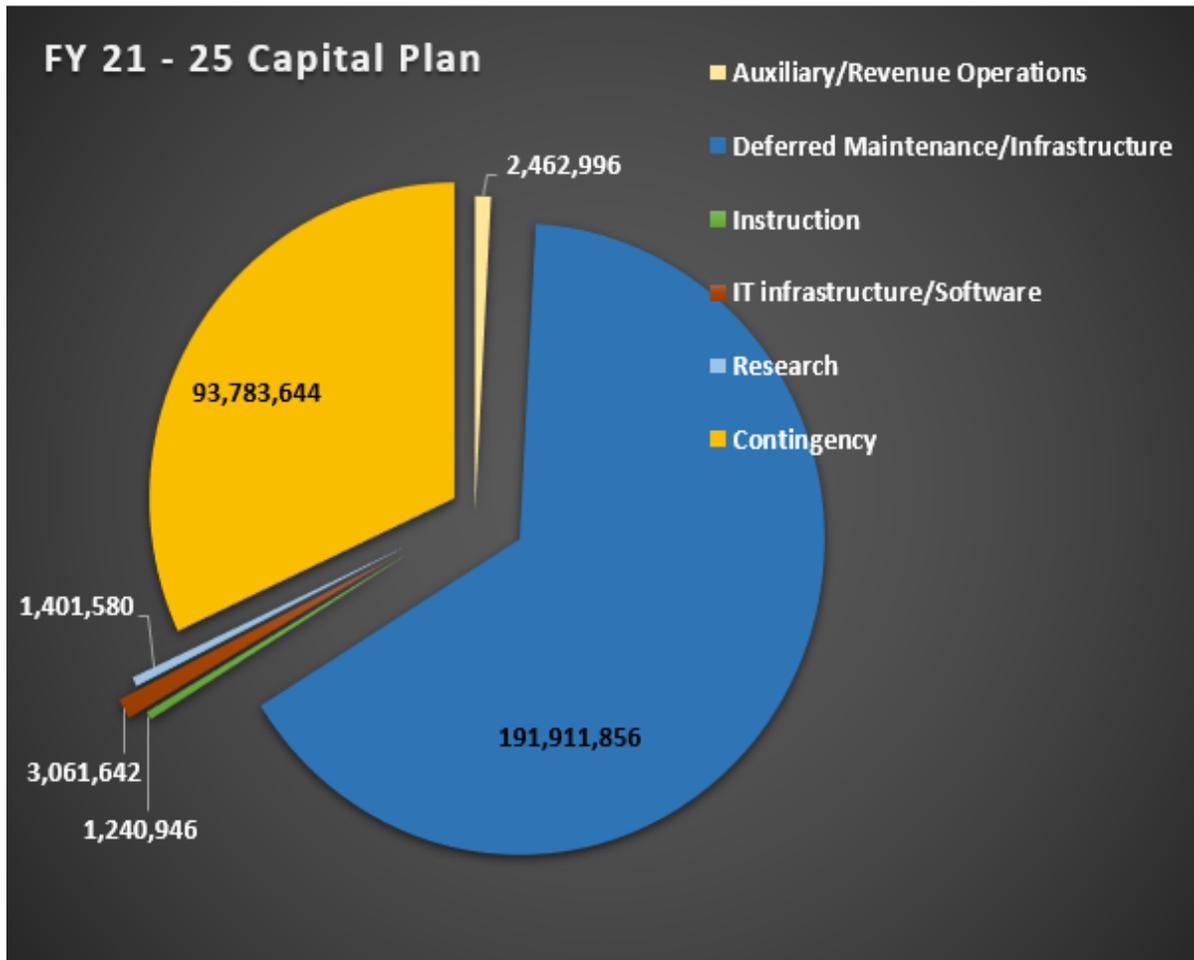
Appendix 4: FY21 Capital Budget by Project Categories

Project Category	FY21 Budget	% of Total
Auxiliary/Revenue Operations	2,571,719	0.6%
Instruction	1,240,946	0.3%
IT infrastructure/Software	3,771,646	0.9%
Research	1,401,580	0.3%
Deferred Maintenance/Infrastructure	322,076,340	75.8%
Contingency	93,783,644	22.1%
Total	424,845,875	100%



Appendix 5: FY21 – FY25 Capital Plan by Project Categories

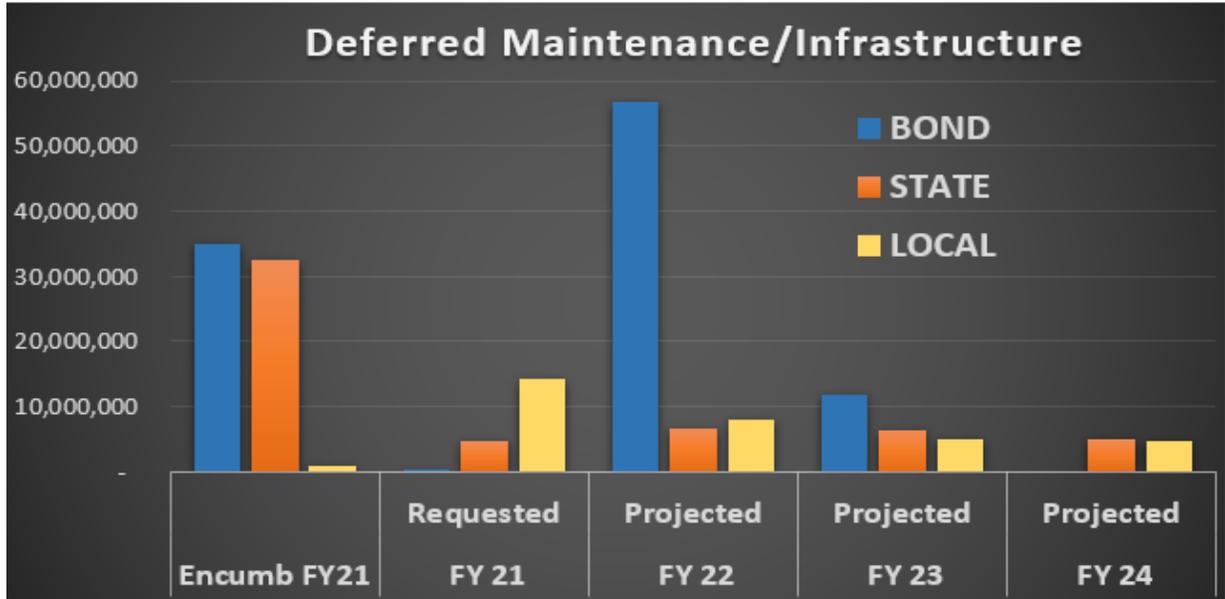
Project Category	FY21 - 25 Capital Plan
Auxiliary/Revenue Operations	2,462,996
Deferred Maintenance/Infrastructure	191,911,856
Instruction	1,240,946
IT infrastructure/Software	3,061,642
Research	1,401,580
Contingency	93,783,644
Total	293,862,663



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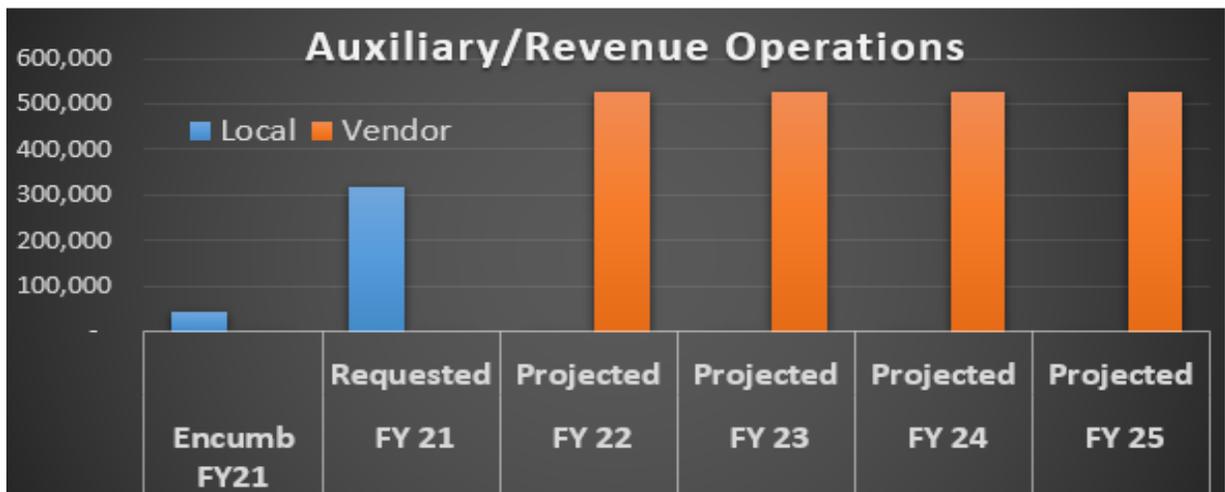
Appendix 6: Deferred Maintenance / Infrastructure

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY21 -25 Capital Plan	% of Total
		Requested	Projected				
BOND	34,844,146	41,468	56,871,731	11,811,863	-	103,569,208	54%
STATE	32,627,590	4,719,464	6,494,312	6,471,586	5,013,502	55,326,454	29%
LOCAL	935,502	14,325,099	8,026,330	5,069,464	4,659,798	33,016,193	17%
Total	68,407,238	19,086,031	71,392,373	23,352,913	9,673,300	191,911,856	100%



Appendix 7: Auxiliary/Revenue Operations

Funding Source	Encumb FY21	FY 21	FY 22	FY 23	FY 24	FY 25	FY21 -25 Capital Plan	% of Total
		Requested	Projected					
Local	45,172	317,824	-	-	-	-	362,996	15%
Vendor	-	-	525,000	525,000	525,000	525,000	2,100,000	85%
Total	45,172	317,824	525,000	525,000	525,000	525,000	2,462,996	100%



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Appendix 8: FY21 Approved Capital Projects

Category	VC/ College	Project Title	Fund Srce	Orig Prj Est	FY21 apprvd Budget	Pf Spent Cmt TD	Pf to Date Exp	Encumb FY21 exp	FY 21	FY 22	FY 23	FY 24	FY 25	Total 5 Year Capital Plan
Auxil/Rev Opertrn	CampServ	Hot Holding	Local	12,000	12,000	-	-	-	12,000	-	-	-	-	12,000
Auxil/Rev Opertrn	CampServ	Salad Bar	Local	18,000	18,000	-	-	-	18,000	-	-	-	-	18,000
Auxil/Rev Opertrn	CampServ	Pizza	Local	25,000	25,000	-	-	-	25,000	-	-	-	-	25,000
Auxil/Rev Opertrn	CampServ	Harbor Market	Local	12,000	12,000	-	-	-	12,000	-	-	-	-	12,000
Auxil/Rev Opertrn	CampServ	Steam Kettle	Local	18,000	18,000	-	-	-	18,000	-	-	-	-	18,000
Auxil/Rev Opertrn	CampServ	Refrigerator	Local	6,900	6,900	-	-	-	6,900	-	-	-	-	6,900
Auxil/Rev Opertrn	CampServ	Dishwasher	Local	40,000	40,000	-	-	-	40,000	-	-	-	-	40,000
Auxil/Rev Opertrn	CampServ	Sodexo Capital	Vendbr	2,100,000	2,100,000	-	-	-	-	525,000	525,000	525,000	525,000	2,100,000
Auxil/Rev Opertrn	CampServ	Parking Equipment not	Local	250,000	250,000	137,675	92,508	45,172	112,325	-	-	-	-	157,497
Auxil/Rev Opertrn	SFE	12 person van	Local	22,000	22,000	-	-	-	22,000	-	-	-	-	22,000
Auxil/Rev Opertrn	SFE	storage sheds (Station)	Local	10,000	10,000	-	-	-	10,000	-	-	-	-	10,000
Auxil/Rev Opertrn	VPR	Thermo Scientific TSX	Local	18,369	18,369	-	-	-	18,369	-	-	-	-	18,369
Auxil/Rev Opertrn	VPR	Thermo Scientific 80C	Local	8,430	8,430	16,220	16,220	-	(7,770)	-	-	-	-	(7,770)
Auxil/Rev Opertrn	VPR	SimploxGinnells Course	Local	6,000	6,000	-	-	-	6,000	-	-	-	-	6,000
Auxil/Rev Opertrn	GRPA	FM Orleans Antenna	Local	25,000	25,000	-	-	-	25,000	-	-	-	-	25,000
IT Infrastr/Softwa	IT	Analog to Digital	Local	810,000	684,760	514,760	490,556	24,204	-	170,000	-	-	-	194,204
IT Infrastr/Softwa	IT	Network Edge Switches	Local	3,529,619	1,764,810	-	-	-	1,764,810	-	-	-	-	1,764,810
IT Infrastr/Softwa	IT	Data Discovery	Local	306,809	120,354	106,810	106,810	-	13,544	-	-	-	-	13,544
IT Infrastr/Softwa	Athletics	Security System	Local	120,000	160,000	-	-	-	160,000	-	-	-	-	160,000
IT Infrastr/Softwa	Athletics	OneCardsystem for	Local	140,000	140,000	-	-	-	140,000	-	-	-	-	140,000
IT Infrastr/Softwa	Library	CloudLibrary Mobile	Local	11,563	11,563	-	-	-	11,563	-	-	-	-	11,563
IT Infrastr/Softwa	IT	Decant Science - IT	Local	300,000	300,000	-	-	-	300,000	-	-	-	-	300,000
IT Infrastr/Softwa	Library	ComputeIT Laptop Self	Local	47,145	47,145	-	-	-	47,145	-	-	-	-	47,145
IT Infrastr/Softwa	Library	Click Mini Scanners	Local	12,409	12,409	-	-	-	12,409	-	-	-	-	12,409
IT Infrastr/Softwa	Library	Space Monitoring	Local	17,960	17,960	-	-	-	17,960	-	-	-	-	17,960
IT Infrastr/Softwa	Stud Affrs	Building distributed	Local	150,000	132,836	32,829	32,829	-	100,007	-	-	-	-	100,007
IT Infrastr/Softwa	Stud Affrs	Genetec Video System:	Local	225,000	225,000	-	-	-	75,000	75,000	75,000	-	-	225,000
IT Infrastr/Softwa	VCAF	Emerg Blue Light	Local	75,000	75,000	-	-	-	75,000	-	-	-	-	75,000
Instruction	LA	WebCheck Resrce	Local	21,980	21,980	-	-	-	21,980	-	-	-	-	21,980
Instruction	LA	7 Sony 7000 lumen	Local	40,950	40,950	-	-	-	11,700	-	29,250	-	-	40,950
Instruction	LA	Nikon D Upright	Local	24,673	24,673	-	-	-	24,673	-	-	-	-	24,673
Instruction	LA	Plexiglass "Teller Walls"	Local	6,000	6,000	-	-	-	6,000	-	-	-	-	6,000
Instruction	LA	4 Electric Piano	Local	8,000	8,000	-	-	-	8,000	-	-	-	-	8,000
Instruction	CNHS	SimCapture enterprise	Local	302,100	302,100	-	-	-	302,100	-	-	-	-	302,100
Instruction	CNHS	(3) Sim NEWB >30K each	Local	84,000	89,538	-	-	-	89,538	-	-	-	-	89,538
Instruction	CNHS	Oxford Medical	Local	18,300	18,300	-	-	-	18,300	-	-	-	-	18,300
Instruction	CNHS	ACLS cases	Local	8,720	8,720	-	-	-	8,720	-	-	-	-	8,720
Instruction	CNHS	MCKESSON MEDICAL	Local	43,028	66,725	38,971	-	38,971	27,754	-	-	-	-	66,725
Instruction	CNHS	TrackMaster Treadmill	Local	7,200	7,200	-	-	-	7,200	-	-	-	-	7,200
Instruction	CNHS	KS ANT+ Wearable	Local	47,968	47,968	-	-	-	47,968	-	-	-	-	47,968
Instruction	CNHS	Promethcan ActvPanel	Local	5,757	5,757	-	-	-	5,757	-	-	-	-	5,757
Instruction	CNHS	TrueOne 2400	Local	33,441	33,441	-	-	-	33,441	-	-	-	-	33,441
Instruction	SFE	Leica DM2700	Local	27,704	27,704	-	-	-	27,704	-	-	-	-	27,704
Instruction	SFE	GIS computers (8)	Local	10,790	10,790	-	-	-	10,790	-	-	-	-	10,790
Instruction	SFE	Aquaculture Lab	Local	20,000	20,000	-	-	-	20,000	-	-	-	-	20,000
Instruction	SFE	Surface Elevation Table	Local	20,000	20,000	-	-	-	20,000	-	-	-	-	20,000
Instruction	CSM	Agilent GC MS	Local	150,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Instruction	CSM	LC MS	Local	200,000	200,000	-	-	-	200,000	-	-	-	-	200,000
Instruction	CSM	Benchtop XRD	Local	80,000	80,000	-	-	-	80,000	-	-	-	-	80,000
Instruction	CSM	BioChem Platerreader	Local	15,000	15,000	-	-	-	15,000	-	-	-	-	15,000
Instruction	CSM	Biochem EPR	Local	25,000	25,000	-	-	-	25,000	-	-	-	-	25,000
Instruction	CSM	Advanc Lab equip speed	Local	11,100	11,100	-	-	-	11,100	-	-	-	-	11,100
Research	CSM	2 Ultra cold 80 C	Local	32,000	32,000	-	-	-	32,000	-	-	-	-	32,000
Research	CSM	Next Seq 2000	Local	335,000	335,000	-	-	-	100,000	100,000	135,000	-	-	335,000
Research	CSM	Centrifuge for culture	Local	15,000	15,000	-	-	-	15,000	-	-	-	-	15,000
Research	CSM	Sensitive Microbalance	Local	16,000	16,000	-	-	-	16,000	-	-	-	-	16,000
Research	CSM	Thermo Scient Cel Gro	Local	9,000	9,000	-	-	-	9,000	-	-	-	-	9,000
Research	CSM	VWR 10791 636 Growth	Local	20,000	20,000	-	-	-	20,000	-	-	-	-	20,000
Research	CSM	Servers	Local	20,820	20,820	-	-	-	20,820	-	-	-	-	20,820
Research	CSM	Storage unit addition to	Local	10,000	10,000	-	-	-	10,000	-	-	-	-	10,000
Research	CSM	M. Gharbi, new faculty	Local	171,000	171,000	-	-	-	70,000	50,000	51,000	-	-	171,000
Research	CSM	Departmental - 80C	Local	16,000	16,000	-	-	-	16,000	-	-	-	-	16,000
Research	VPR	Kuali - Electronic	Local	150,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Research	VPR	Core Facility	Local	350,000	350,000	-	-	-	350,000	-	-	-	-	350,000

UMB Capital Budget & Plan, FY2021-2025

Category	VC/ College	Project Title	Fund Src	Orig Prj Est	FY21 apprd Budget	Pj Spent Cmt TD	Pj to Date Exp	Encumb FY21 exp	FY 21	FY 22	FY23	FY 24	FY25	Total 5 Year Capital Plan
Research	VPR	H10 ORSP Office Area	Local	50,000	50,000	-	-	-	50,000	-	-	-	-	50,000
Research	VPR	ISCRm 5670 Vivarium	Local	35,000	35,000	-	-	-	35,000	-	-	-	-	35,000
Research	VPR	Gen Resrch Infrastr	Local	100,000	100,000	-	-	-	100,000	-	-	-	-	100,000
Research	VPR	HPC Refresh/Replcmt	Local	71,760	71,760	-	-	-	71,760	-	-	-	-	71,760
Def Maint/Infrastr	Athletics	LED Lighting for Hockey	Local	160,000	150,000	118,964	118,964	-	31,036	-	-	-	-	31,036
Def Maint/Infrastr	Athletics	Beacon Fitness Flooring	Local	60,000	60,000	-	-	-	99,275	-	-	-	-	99,275
Def Maint/Infrastr	Athletics	Equipment room	Local	60,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Def Maint/Infrastr	IT	iHub security equipment	Local	15,000	15,000	-	-	-	15,000	-	-	-	-	15,000
Def Maint/Infrastr	Library	Book Drop and extra bin	Local	5,795	5,795	-	-	-	5,795	-	-	-	-	5,795
Def Maint/Infrastr	Facilities	Simplex Grinnell	Local	80,000	130,000	-	-	-	130,000	-	-	-	-	130,000
Def Maint/Infrastr	Facilities	Utilities - Building	Local	100,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Def Maint/Infrastr	Facilities	UMB IHUB Relocation	Local	2,500,000	4,150,000	4,014,976	3,722,814	292,161	135,024	-	-	-	-	427,186
Def Maint/Infrastr	Facilities	Greenhouse Reloc SDQD	Local	550,000	550,000	511,702	185,733	325,969	38,299	-	-	-	-	364,267
Def Maint/Infrastr	Facilities	COVID19 HVAC Mod	Local	300,000	300,000	62,139	46,585	15,554	237,861	-	-	-	-	253,415
Def Maint/Infrastr	Facilities	SDQD University	Local	130,000	130,549	-	-	-	130,549	-	-	-	-	130,549
Def Maint/Infrastr	Facilities	Parking Garage West	Borrowed	26,727	26,727	-	-	-	26,727	-	-	-	-	26,727
Def Maint/Infrastr	Facilities	Classroom/Lab/Office	Local	500,000	500,000	-	-	-	500,000	-	-	-	-	500,000
Def Maint/Infrastr	Facilities	Utilities Salt Water	Local	150,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Def Maint/Infrastr	Facilities	ISC Vivarium Lighting	Local	100,000	100,000	-	-	-	100,000	-	-	-	-	100,000
Def Maint/Infrastr	Facilities	ISC Bidge Handrails	Local	150,000	125,000	-	-	-	125,000	-	-	-	-	125,000
Def Maint/Infrastr	Facilities	Wheatley Hall Stair 6 &	Local	200,000	200,000	-	-	-	200,000	-	-	-	-	200,000
Def Maint/Infrastr	Facilities	ISC/UH	Local	450,000	450,000	-	-	-	450,000	-	-	-	-	450,000
Def Maint/Infrastr	Facilities	UCRR	Local	150,000	150,000	-	-	-	150,000	-	-	-	-	150,000
Def Maint/Infrastr	Facilities	Wheatley Hall Deans'	Local	500,000	500,000	-	-	-	250,000	250,000	-	-	-	500,000
Def Maint/Infrastr	Facilities	Campus Master Plan	Local	500,000	500,000	-	-	-	250,000	250,000	-	-	-	500,000
Def Maint/Infrastr	Facilities	Install Campus Flagpoles	Local	150,000	218,530	-	-	-	218,530	-	-	-	-	218,530
Def Maint/Infrastr	Facilities	Utilities Abatement	Local	49,500	49,500	-	-	-	49,500	-	-	-	-	49,500
Def Maint/Infrastr	Facilities	Solar array/Battery	Borrowed	-	-	-	-	-	-	-	-	-	-	-
Def Maint/Infrastr	Facilities	As Needed State TRD01	Local	-	150,000	-	-	-	150,000	-	-	-	-	150,000
Def Maint/Infrastr	Facilities	Saltwater Pumphouse	Local	31,600	31,600	31,600	-	31,600	-	-	-	-	-	31,600
Def Maint/Infrastr	Facilities	Clark Replace Air Handling Units AC (ice	DCAMM	88,818	88,818	-	-	-	-	-	88,818	-	-	88,818
Def Maint/Infrastr	Facilities	Clark Replace Air Handling Units Gym	DCAMM	266,457	266,457	-	-	-	-	-	266,457	-	-	266,457
Def Maint/Infrastr	Facilities	Clark Replace Air Handling Units AC 10	DCAMM	69,182	69,182	-	-	-	-	-	69,182	-	-	69,182
Def Maint/Infrastr	Facilities	Clark Replace Centrifugal Chiller (rink)	DCAMM	131,357	528,000	528,000	325,794	202,206	-	-	-	-	-	202,206
Def Maint/Infrastr	Facilities	Healy Ductwork Repair & Air Handling Unit	DCAMM	465,454	498,546	36,000	35,157	843	50,000	462,546	312,546	-	-	463,389
Def Maint/Infrastr	Facilities	Healy Install Sprinklers & Fire Alarm System	DCAMM	3,568,400	4,541,600	-	-	-	-	1,816,640	1,725,808	999,152	-	4,541,600
Def Maint/Infrastr	Facilities	McCormack Replace Fan Coil Units	DCAMM	20,237	-	-	-	-	-	-	-	-	-	-
Def Maint/Infrastr	Facilities	McCormack Replace Storage Tank	DCAMM	53,966	140,000	-	-	-	-	-	-	-	-	140,000
Def Maint/Infrastr	Facilities	Harbor/Walk Pathway Improvement	DCAMM	281,071	281,071	-	-	-	-	-	281,071	-	-	281,071
Def Maint/Infrastr	Facilities	S&S Replace Generator	DCAMM	56,214	56,214	-	-	-	-	-	-	-	-	-
Def Maint/Infrastr	Facilities	SWPH Replace Distribution Piping	DCAMM	43,786	43,786	-	-	-	-	-	-	-	-	-
Def Maint/Infrastr	Facilities	Upgrade Building controls Campus Wide	DCAMM	562,142	560,000	-	-	-	280,000	280,000	-	-	-	560,000
Def Maint/Infrastr	Facilities	Clark Replace or Maintain Exterior Doors	DCAMM	118,050	1,725,808	-	-	-	-	-	1,725,808	-	-	1,725,808
Def Maint/Infrastr	Facilities	Healy Replace or Maintain Exterior Doors	DCAMM	91,950	1,355,992	-	-	-	-	-	1,355,992	-	-	1,355,992
Def Maint/Infrastr	Facilities	Quinn Replace or Repair Roof Sarnafil PVC	DCAMM	67,457	1,816,640	-	-	-	-	-	1,816,640	-	-	1,816,640
Def Maint/Infrastr	Facilities	FY19 Replace PVC Roof at the Service & Supply	DCAMM	52,543	1,427,360	-	-	-	-	-	1,427,360	-	-	1,427,360
Def Maint/Infrastr	Facilities	Quinn Replace or Repair Roof Sarnafil PVC	DCAMM	884,250	3,865,101	1,474,851	9,750	1,465,101	2,390,250	-	-	-	-	3,855,351
Def Maint/Infrastr	Facilities	FY19 Replace PVC Roof at the Service & Supply	DCAMM	688,750	111,900	111,900	77,151	34,749	-	-	-	-	-	34,749
Def Maint/Infrastr	Facilities	FY19 Replace PVC Roof at the Service & Supply	DCAMM	448,000	448,000	-	-	-	-	336,000	112,000	-	-	448,000
Def Maint/Infrastr	Facilities	FY19 Replace PVC Roof at the Service & Supply	Local	352,000	352,000	-	-	-	-	264,000	88,000	-	-	352,000

UMB Capital Budget & Plan, FY2021-2025

Category	VC/ College	Project Title	Fund Sorce	Orig Prj Est	FY21 apprvd Budget	Pfj Spent Cmt TD	Pfj to Date Exp	Encumb FY21 exp	FY 21	FY 22	FY23	FY 24	FY25	Total 5 Year Capital Plan
Def Maint/Infrastr	Facilities	Clark Install Sprinklers & Fire Alarm System	DCAMM Local	335,599 261,401	612,080 480,920	-	-	-	-	61,208 48,092	550,872 432,828	-	-	612,080 480,920
Def Maint/Infrastr	Facilities	Quinn Install Sprinklers & Fire Alarm Systems	DCAMM Local	1,058,400 831,600	1,058,400 831,600	-	-	-	-	105,840 83,160	952,560 748,440	-	-	1,058,400 831,600
Def Maint/Infrastr	Facilities	S&S Install Sprinklers & Fire Alarm Systems	DCAMM Local	638,031 496,969	638,031 496,969	-	-	-	-	63,808 49,697	574,228 447,272	-	-	638,031 496,969
Def Maint/Infrastr	Facilities	Replace Primary Transformer in Hooley	DCAMM Local	1,138,338 886,662	1,138,338 886,662	-	-	-	-	850,500 668,230	287,838 218,412	-	-	1,138,338 886,662
Def Maint/Infrastr	Facilities	Quinn Administration Building Replace	DCAMM Local	-	631,000	-	-	-	-	-	-	631,000	-	631,000
Def Maint/Infrastr	Facilities	Salt Water Pump House Replace Transformers	DCAMM Local	101,186 78,814	101,186 78,814	-	-	-	-	101,186 78,814	-	-	-	101,186 78,814
Def Maint/Infrastr	Facilities	Utility Plant Replace Transformers	DCAMM Local	93,878 73,122	93,878 73,122	-	-	-	-	93,878 73,122	-	-	-	93,878 73,122
Def Maint/Infrastr	Facilities	Repair and Reseal CC Garage Floor	DCAMM Local	232,165 180,835	813,000 78,395	7,000 78,395	7,000 78,395	-	806,000	-	-	-	-	806,000
Def Maint/Infrastr	Facilities	Service and Supply Loading Dock Concrete	DCAMM Local	550,000 550,000	450,000 450,000	-	-	-	225,000 225,000	225,000 225,000	-	-	-	450,000 450,000
Def Maint/Infrastr	Facilities	REAB Renov to Exist AcadBldg (McCormack)	Borrower Local	- 100,000	537,044 300,000	522,303 279,795	504,206 271,035	18,097 8,760	14,741 20,205	-	-	-	-	32,838 28,965
Def Maint/Infrastr	Facilities	Decant Sci Cent. Machine Shop	Local	1,500,000 450,000	1,950,723 1,121,534	150,723 21,584	140,448 10,011	10,280 11,523	1,800,000 1,100,000	-	-	-	-	1,810,280 1,111,523
Def Maint/Infrastr	Facilities	McCormack Replace Exterior Doors	DCAMM Local	337,286 262,714	337,286 262,714	-	-	-	-	-	-	337,286 262,714	-	337,286 262,714
Def Maint/Infrastr	Facilities	Quinn Replace Exterior Doors	DCAMM Local	140,536 109,464	140,536 109,464	-	-	-	-	-	-	140,536 109,464	-	140,536 109,464
Def Maint/Infrastr	Facilities	Service & Supply Replace Exterior Doors	DCAMM Local	67,457 52,643	67,457 52,643	-	-	-	-	-	-	67,457 52,643	-	67,457 52,643
Def Maint/Infrastr	Facilities	Service and Supply AHU/Pump Replacement	DCAMM Local	223,170 173,830	223,170 173,830	-	-	-	-	-	-	223,170 173,830	-	223,170 173,830
Def Maint/Infrastr	Facilities	Wheatley Hall Façade Repairs	DCAMM Local	3,395,901 2,645,099	3,395,901 2,645,099	-	-	-	150,000	-	-	3,245,901	-	3,395,901 2,645,099
Def Maint/Infrastr	Campus	Demolish Substructure, Science Center, & Pool	DCAMM Borrower	78,000,000 36,500,000	37,014,400 100,125,550	37,014,400 31,441,956	8,846,389 31,441,956	28,168,011 31,441,956	-	-	56,871,731 11,811,863	-	-	28,168,011 100,125,550
Def Maint/Infrastr	Campus	Elevator Renovations in Clark Athletic Center,	Borrower	3,300,000 71,000,000	8,300,000 69,275,000	8,300,000 69,275,000	7,294,945 66,895,962	1,005,055 2,379,038	-	-	-	-	-	1,005,055 2,379,038
Def Maint/Infrastr	Campus	REAB Renovations to Existing Academic	Borrower DCAMM	37,500,000 -	3,614,400 40,985,600	3,614,400 40,985,600	3,614,400 37,991,965	-	-	-	-	-	-	- 2,993,635
Def Maint/Infrastr	Campus	McCormack Hall Roof	Local	6,500,000	6,500,000	-	-	-	6,500,000	-	-	-	-	6,500,000
Def Maint/Infrastr	Campus	McCormack Hall Roof	Local	3,000,000	3,000,000	-	-	-	500,000	2,500,000	-	-	-	3,000,000
Reserv contingency	Campus	Reserved contingency	Contingency	-	98,783,644	N/A	N/A	-	28,7486	15,675,670	20,963,286	24,704,202	32,153,000	98,783,644