



SAGINAW VALLEY STATE UNIVERSITY

Five-Year Capital Outlay Plan

FY 2026 – FY 2030

October 2024

I. Mission Statement

Mission

We transform lives through educational excellence and dynamic partnerships, unleashing possibilities for impact in our community and worldwide.

Vision

We will be renowned for our innovative teaching, experiential learning and state-of-the art facilities and be the first choice for those striving for personal and professional success.

Core Values

We value:

- Passion for academic exploration and achievement
- Supportive environments focused on student success
- Diversity and inclusivity
- High standards for ethical behavior and financial stewardship
- A safe, friendly and respectful campus climate
- Community engagement

II. Instructional Programming

a) Existing Academic Programs and Projected Programming Changes

Provided on the next page is our listing of academic programs by college for undergraduate and graduate programs.

Academic programs are periodically reviewed in the context of enrollment viability as well as relevance to regional and national trends. We expect future academic programming to be rather consistent with new programs likely to be focused in key areas, including business, cybersecurity as well as ongoing enhancements in engineering, health professions, and environmental and other sciences.

100+ UNDERGRADUATE PROGRAMS AT SVSU

ARTS & BEHAVIORAL SCIENCES

Art
Asian Studies ●
Black Studies
Communication
Communication & Theatre Education
Creative Writing
Criminal Justice
Digital Publishing and Community Journalism ●
English/Language Arts Education
English-Literature
Environmental Studies & Sustainability
Fine Arts BFA
French
French Education
Gender Studies ●
General Studies
Geographic Information Systems ●
Geography
Geospatial Techniques ●
Graphic Design
History
International Studies

Japanese ●
Leadership & Service ●
Legal Philosophy ●
Music
Music Education
Musical Theatre ●
Philosophy ●
Political Science
Pre-Law
Public Law ●
Professional & Technical Writing
Psychology
Public Administration
Public History ●
Religious Studies ●
Sociology
Spanish
Spanish Education
Spanish for Health Professions ●
Teaching English to Speakers of Other Languages ●
Theatre
User Experience Design ●
Visual Arts Education
Writing for Public Purposes ●

BUSINESS (All business majors can lead to a 4+1 MBA)

Accounting
BPA (CPA track)
Digital Marketing ●
Economics
Entrepreneurship ● ●
Finance
Financial Planning ●
Investment ●
General Business

International Business
Legal Studies ●
Management
Family Business Management ●
Human Resource Management ●
Marketing
Professional Sales ● ●
Supply Chain Management

HEALTH & HUMAN SERVICES

Athletic Coaching ●
Behavioral Health – Substance Use and Dependency ●
Child Welfare ●
Emergency Management ●
Exercise Promotion ●
Exercise Science
Gerontology ● ●
Healthcare Quality & Safety ●
Health Science
Juvenile Delinquency ●
Long Term Care ●
Long Term Care Administrator ●
Medical Laboratory Science

Neuroscience
Nursing
BSN
RN to BSN
Occupational Therapy (3+2 MSOT)
Pre-Athletic Training
Pre-Physical Therapy
Public Health
Combined BS/MPH degree
Health Promotion ●
Health Administration ●
Rehabilitation Medicine
Social Work
Youth Services ●

EDUCATION

EARLY CHILDHOOD & ELEMENTARY:
Birth–Kindergarten
PreK–3rd Grade Lower Elementary
3rd–6th Grade Upper Elementary

MIDDLE AND SECONDARY:
5th–9th Grades & 7th–12th Grades
Mathematics
English/Language Arts
Integrated Science
Social Studies

K–12 SPECIAL EDUCATION:
Autism Spectrum Disorder
Cognitive Impairment
Learning Disabilities

PRE K–12 SPECIALTY AREAS & ADDITIONAL ENDORSEMENTS:
English as a Second Language
Health and Physical Education
Music Education
Visual Arts Education
World Languages (Spanish or French)

SCIENCE, ENGINEERING & TECHNOLOGY

Actuarial Science ●
Agricultural Studies ●
Applied Mathematics
Biochemistry
Environmental ●
Biological Science
Biology Education
Business Chemistry
Cell Biology, Molecular Biology & Biomedical Sciences
Chemical Physics
Chemistry
American Chemical Society (ACS) ●
Environmental ●
Chemistry Education
Computer Engineering

Computer Information Systems
Computer Science
Computer Science & Information Systems ●
Cybersecurity ●
Ecology, Evolution & Organismal Biology
Electrical Engineering
Engineering & Technology ●
Engineering Technology Management
Environmental Science
Mathematics
Math Education
Mechanical Engineering
Optical Physics
Physics
Physics Education
Pre-Agriculture
Psychological Biology ●

KEY: ● Minor ● Certificate ● Concentration

STILL DECIDING?

You don't need to pick a major right away at SVSU. Your academic advisor will help you choose classes that count toward your general education. Our career advisors have tools to help you discover a career path based on your interests & strengths!

PRE PROFESSIONAL HEALTH PROGRAMS

Pre-Chiropractic Medicine
Pre-Dentistry
Pre-Medicine
Pre-Optometry

Pre-Pharmacy
Pre-Physician Assistant
Pre-Podiatry
Pre-Veterinary Medicine

CONTINUE WITH YOUR MASTER'S / ADVANCED DEGREE AT SVSU

BUSINESS

Business Administration (MBA)

- Business Analytics
- Entrepreneurship
- Health Administration
- International Business ●

HEALTH

Health Administration (MHA)

Occupational Therapy (MSOT)

Social Work (MSW)

Public Health (MPH)

- Combined BS/MPH degree

Public Health Certifications

- Public Health ●
- Healthcare Compliance ●
- Health Administration Leadership ●
- Healthcare Quality and Safety ●
- Epidemiology ●

COMMUNICATION

Strategic Organizational Communication ●

EDUCATION

Early Childhood Classroom Teaching (MAT)

Educational Leadership – Principalship (MEd)

Educational Leadership – Ed Specialist (EDS)

Educational Leadership – Accelerated Route to

Michigan Admin Certification

(Ascend Leadership Academy)

K–12 Literacy Specialist (MAT)

Special Education (MAT)

Technology Learning Systems & Design (MA)

Education Certifications

- Traditional Route to Teacher Certification
- Accelerated Route to Teacher Certification
- Autism Spectrum Disorder (K-12)
- Cognitive Impairment (K-12)
- Learning Disabilities (K-12)
- Online Training & Design ●

PUBLIC SERVICE & NONPROFIT

Public Administration (MPA)

- Student Affairs Administration ●

NURSING

Doctor of Nursing Practice (DNP)

Doctor of Nursing Practice (DNP) – Psychiatric

Mental Health Nurse Practitioner (PMHNP)

Doctor of Nursing Practice (DNP) – Dual Family

Nurse Practitioner/Psychiatric Mental Health

Nurse Practitioner (FNP/PMHNP)

Master of Science in Nursing (MSN)

- Dual Nurse Educator/Nurse Administrator

- Nurse Administrator

- Nurse Educator

Nursing Certifications

- Dual Nurse Educator/Nurse Administrator ●
- Nurse Administrator ●
- Nurse Educator ●
- Primary Care Family Nurse Practitioner (FNP) ●
- Psychiatric Mental Health Nurse Practitioner Postgraduate (PMHNP) ●

TECHNOLOGY

Computer Science & Information

Systems (MS)

Prospective students may review our consumer information regarding general information about the university, financial assistance available to enrolled students, students' rights about FERPA, the institution's annual campus security report, completion or graduation rates, the completion and graduation rates of student athletes and information about athletic program participation rates and financial support on our scholarship and financial aid website at svsu.edu/cfsc. To obtain a paper copy of all or parts of our consumer information, or if you need help obtaining information, please contact the Campus Financial Services Center, 131-A Wickes Hall, or call (989) 964-4900.

SVSU will provide reasonable accommodations for persons with disabilities. Individuals who wish to make accommodations should contact the Conference Center at SVSU at (989) 964-4348 at least three days prior to an event. SVSU does not discriminate based on race, religion, color, gender, sexual orientation, national origin, age, physical impairment, disability or veteran status in the provision of education, employment and other services.

b) Unique Characteristics of Academic Mission

SVSU embraces its role as a regional comprehensive masters-level university with a solid core of academic programs offering experiential learning and innovative teaching. We hold the Carnegie Community Engagement classification, held only by 7% of institutions nationwide, which affirms our deep commitment to the community we serve. We recruit students worldwide, but 95% of our students are from Michigan; our top five counties are Saginaw, Bay, Genesee, Macomb, & Midland counties. We maintain an off-campus site in downtown Saginaw where we offer classes, meeting spaces, and community activities. SVSU has also been recognized as one of the Chronicle of Education's "Best Colleges to Work For" for nine consecutive years.

c) Initiatives Which May Impact Facilities Usage

SVSU hosts the Saginaw Bay Environmental Sciences institute, a multidisciplinary program that engages faculty and students in a wide variety of coursework and research. We have focused on the Saginaw Bay Watershed, monitoring water quality from agricultural areas as well as beach safety. More recently our faculty have led projects to monitor and trace outbreaks of the COVID-19 virus by doing genetic analysis of wastewater. We offer degrees in Environmental Science and Environmental Studies and Sustainability, which continue to grow in student enrollment.

As per our Capital Outlay Project Request we have also developed plans for an Environmental Science Research Station on the Saginaw Bay to provide additional testing and analysis capabilities as well as easy access to the water. We will use this site for classes, research, and educational outreach to benefit the region.

Our next capital outlay on the horizon is the Greater Michigan Health Professions Center. This new Center will be a primarily academic facility that contains traditional, general-purpose classrooms, clinical space, larger meeting spaces, along with some research laboratories, and faculty offices. This capital project is intended to move all graduate and doctoral instruction for the College of Health and Human Services (HHS) from the main campus University Center location to a downtown Saginaw location that would be in the heart of a medical complex commonly known as the Great Lakes Bay Medical Diamond. The graduate programs in HHS are continuing to expand and the space is needed in Bachand Hall (current location) to expand the undergraduate programs and increase undergraduate biomedical and behavioral research. The new space in downtown Saginaw will allow for continued expansion of graduate programs that will include neuroscience research.

d) Economic Impact of Current/Future Programs

SVSU hosts several centers of excellence: The Stevens Center for Family Business, the Small Business Development Center, and Lake Huron Region; all of which positively impact the Great Lakes Bay Region economy beyond our academic endeavor. The

increased research, K-12 outreach, and academic programming from the Lake Huron Environmental Sciences Research Station and Greater Michigan Health Professions Center will create dramatic economic impact. Water quality research, environmental researchers partnering with local organizations, community health services, and health professionals ready to serve medical enterprises, will be the most impactful.

III. Staffing and Enrollment

a) Student Enrollment

Student Enrollment – Fall 2024

<u>College</u>	<u>Full-Time</u>	<u>Part-Time</u>	<u>Total</u>
College of Arts & Behavioral Sciences	1,092	205	1,297
College of Business & Management	941	145	1,086
College of Education	584	227	811
College of Science, Engineering & Technology	1,096	155	1,251
Crystal M. Lange College of Health & Human Services	1,713	493	2,206
Others			
Undeclared/Non-Degree	<u>125</u>	<u>46</u>	<u>171</u>
Totals	<u>5,551</u>	<u>1,271</u>	<u>6,822</u>

The majority of courses are held on the University Main Campus and or online/virtual.

See **Appendix A** for enrollment by academic program.

b) Enrollment – Historical Student Headcount

Fall Semester 2020	8,030
Fall Semester 2021	7,523
Fall Semester 2022	7,147
Fall Semester 2023	6,889
Fall Semester 2024	6,822

c) Enrollment – Projected Student Headcount

(Projected*) Fall Semester 2025	6,900
(Projected*) Fall Semester 2026	7,000
(Projected*) Fall Semester 2027	7,100
(Projected*) Fall Semester 2028	7,200
(Projected*) Fall Semester 2029	7,300

*SVSU has experienced declining enrollment due in part to the decline in high school graduates. While this decline is projected to continue, we expect to see modest increases in enrollment in the future due to our increased focus on strategic enrollment management and the expectation that the Michigan Achievement Scholarship will encourage a higher percentage of high school graduates to pursue a bachelor's degree. The downward trend was dramatically reduced in fall 2024 and all incoming student figures were positive as well as first to second year retention.

d) Staff/Student Ratios

Faculty/Staff Student Credit Hour Ration – Fall 2024

	<u>FTE</u> <u>2024</u>	<u>Credit</u> <u>Hours</u> <u>(CH)</u>	<u>Ratio:</u> <u>CH/FTE</u>
College of Arts & Behavioral Sciences			
Faculty	123.72	32,199	260
Administrative/Secretarial	7.50		4,293
Scott L. Carmona College of Business			
Faculty	35.33	9,785	277
Administrative/Secretarial	15.60		627
College of Education			
Faculty	26.36	5,702	216
Administrative/Secretarial	12.10		471
College of Science, Engineering & Technology			
Faculty	83.58	22,201	266
Administrative/Secretarial	15.30		1,451
Crystal M. Lange College of Health & Human Services			
Faculty	72.62	14,491	200
Administrative/Secretarial	21.70		668

e) Future Staffing Needs

We expect our fall semester 2023 employee count of 265 full-time faculty, 380 part-time faculty, 450 full-time staff and 76 part-time staff to be relatively constant over the next five years. Student headcount has declined over the last decade, so as enrollment increases over time, we will assess the need for faculty/staff as well.

f) **Fall 2024 Average Class Size: 22.37**

One of our strategic plan goals is to deliver high quality academic programs that lead to student success, improved retention, and enrollment stability. SVSU prides itself on our small class sizes and intends to continue to maintain our small class sizes.

IV. Facility Assessment

See **Appendix B** for our Facilities Assessment & Deferred Maintenance Capital Planning Report with further clarity for specific points below.

a) **Summary Description of Each Facility**

The Campus Master Plan available at <https://www.svsu.edu/campusfacilities/> provides descriptions by instructional, administrative, housing, athletic, and other categories. We are working to update this plan and provide a summary by building types during future planning.

b) **Classroom Utilization Rates**

Fall 2024 – Classroom Utilization

ALL SVSU CLASSROOMS

48%	(M-Th 8:30-4:20)	Peak Time
41%	(M-F 8:00 AM- 10:00 PM)	

Definition: Class Seat Utilization (%) = % of seats occupied compared to total seat capacity

c) **Mandated Facility Standards**

Addressed in Appendix B: Facilities Assessment & Deferred Maintenance Capital Planning Report.

d) **Functionality of Existing Structures & Space Allocation**

Addressed in the Campus Master Plan available at <https://www.svsu.edu/campusfacilities/>.

e) **Replacement Value**

Addressed in Appendix B: Facilities Assessment & Deferred Maintenance Capital Planning Report.

f) **Utility System Condition**

Addressed in the Facilities Assessment & Deferred Maintenance Capital Planning Report and Campus Master Plan.

g) **Facility infrastructure condition**

Addressed in Appendix B: Facilities Assessment & Deferred Maintenance Capital Planning Report.

h) Adequacy of Existing Utilities & Infrastructure Systems

The Utility systems for natural gas, sanitary sewer, storm sewer, and water are adequate and do not currently have any deferred maintenance. They can handle our current programmatic needs and can handle a larger student population. While the utility functions directly are adequate, there is a deferred maintenance backlog of over \$13,000,000 in utility related items such as chillers, cooling towers, boilers, water heaters, electrical equipment, and furnaces.

i) Enterprise-wide Energy Plan

SVSU utilizes Wolverine Power Marketing Cooperative for most of our electricity supply and the State of Michigan Energy Purchasing Cooperative for natural gas. We collaborate directly with them to both keep energy costs low and to explore ways to reduce carbon output via renewable and zero-carbon energy. We also actively look to implement energy saving initiatives through equipment & fixture replacements, building renovations, and explore LEED certification for buildings or put the same measures into practice if certification is not obtained.

j) Land Owned by Institution & Capacity For Future Development

SVSU is situated on a 782-acre campus in the Great Lakes Bay Region within a triangle formed by the counties of Saginaw, Bay, and Midland. A campus map is available at <https://www.svsu.edu/go/visit/maps/> and the Campus Master Plan further outlines the current land owned by SVSU. Expansion within the University Center campus is limited without eliminating natural areas.

k) Buildings Currently Obligated to the State Building Authority:

Project Name (Facility Description)	Lease Date	SBA Bond Issue	Lease End Date *
Classroom Facility	11/1/2001	2001 Series II	10/31/2036
Instructional Facility (Phase IV) and Library Renovation	1/1/2005	2005 Series I	12/31/2039
Pioneer Hall Renovations	8/1/2007	2007 Series I MM	11/30/2042
Health Sciences Facility	7/1/2011	2011 Series IIA	6/30/2046
Wickes Hall Renovation	8/1/2016	2016 Series IR	7/31/2051
College of Business and Management	9/1/2020	2020 Series IR	8/31/2055

* per March 2023 State Building Authority FY2021 Project Cost Summary Report

V. Implementation Plan

a) Major Capital Projects Prioritized

SVSU's prioritized major capital projects requested of the State are noted in the schedule below:

Saginaw Valley State University Capital Outlay Plan FY 2026 - FY 2030								
Project Description	Project Phase	Project Period	Project Estimated Cost	Gross Square Feet	Funding Plan			
					State of Michigan	SVSU Self Supporting	Gifts/Other	
Brown Hall	Construction	FY23-FY26	28,845,000	64,000	21,800,000	7,045,000		
Lake Huron Environmental Sciences Research Station	Planning Authorization	FY24-FY27	13,000,000	17,000	7,500,000	2,000,000	3,500,000	
Future Requests								
Greater Michigan Health Professions Center (Great Lakes Bay Medical Diamond)	FY2027 Request	FY27-FY29	42,500,000	42,000	30,000,000	2,500,000	10,000,000	
Science West Renovation	FY2030 Request	FY30-FY32	15,000,000	72,500	11,250,000		3,750,000	
			\$ 99,345,000			\$ 70,550,000	\$ 11,545,000	\$ 17,250,000

b) Deferred Maintenance Estimate

The estimate for the current deferred maintenance backlog is \$92,600,000, see Appendix B for our Facilities Assessment & Deferred Maintenance Capital Planning Report with further clarity for specific points below. Addressing the deferred maintenance backlog immediately would allow for far less emergency situations in maintenance. For instance, our largest central chiller, that is beyond the midpoint of useful life, recently failed in the hottest month of the year and led to immediate action to prevent many of our academic and administrative buildings from seeing temperatures rise well beyond acceptable levels. This included work to bring a smaller and significantly older chiller system back online that was not operational due to deferred maintenance needs. We are taking proactive measures to replace the building controller units and associated communication equipment, including some components that were installed in the 1990's, of a building management system that provides centralized monitoring and control of HVAC, and lighting systems, to avoid future emergency situations. However, our five-year plan for deferred maintenance does not allow for replacement of outdated chillers, boilers, electrical, and other critical function devices.

c) Status of On-Going Projects Financed with SBA

The on-going project of Brown Hall is shown above. Completion of this project is scheduled for summer of 2025, which will be critical to opening back instructional space and allow for expansion of other growing programs.

d) Rate of Return on Planned Expenditures

The rate of return on planned expenditures is difficult to quantify. We do expect a return

in energy savings from Brown Hall improvements and expect to attract more students with the next capital outlay requests that expand our footprint into Bay City and the city of Saginaw.

e) **Alternatives to New Infrastructure**

SVSU is actively engaged in online and other distant learning opportunities to leverage existing space. The future capital outlay requests to add space are for areas that require hands-on research and instruction in the growing areas of environmental and health sciences.

f) **Maintenance Schedule**

SVSU plans to renovate the Hamilton Gym air handler for \$1,250,000 in fiscal year 2026. We are currently assessing whether other major maintenance projects in excess of \$1,000,000 need to be undertaken during fiscal years 2027 through 2030. The capital outlay request for Science West renovations planned for 2029 would satisfy a major deferred maintenance backlog that would require maintenance exceeding \$1,000,000.

g) **Non-Routine Maintenance**

Currently, \$104,000 is budgeted in fiscal year 2025 within the general fund for non-routine maintenance and capital projects. No new debt financing is planned, so any expenditures for projects beyond the budget must utilize general fund reserves. Auxiliary functions do support general campus-wide projects in proportion.

Program	Full Time	Part Time	Total
Accounting Major - Bachelor of Business Administr (BBA)	21	2	23
Applied Mathematics Major - (BS)	8	0	8
Art (BA)	20	5	25
Basic Nursing Program (BSN)	300	34	334
Biochemistry (BS)	52	6	58
Biological Science Major (B.S.)	54	1	55
BIOLOGY (BS)	2	2	4
Business Chemistry (BS)	6	1	7
Cell Biology, Molecular Biology, & Biomedical Sciences B.S.	146	14	160
Chemistry Major (ACS) (BS)	5	1	6
Chemistry Major (BS)	23	4	27
Communication (BA)	71	12	83
Communication & Theatre Major for Teacher Certification (BA)	3	0	3
Computer Engineering (B.S.)	21	5	26
Computer Information Systems Major (BS)	61	11	72
Computer Science and Information Systems (M.S.)	30	8	38
Computer Science Major (BS)	172	27	199
Creative Writing (BA)	24	10	34
Criminal Justice (BA)	180	26	206
Doctor of Nursing Practice (DNP) BSN to DNP Program	0	6	6
Doctor of Nursing Practice (DNP) MSN to DNP Program	0	7	7
Early Childhood Classroom Teaching - Endorsement	0	10	10
Early Childhood Classroom Teaching (MAT)	4	18	22
Early Childhood Education (B.A.)	11	2	13
Ecology, Evolution and Organismal Biology Major (B.S.)	31	9	40
Economics (BA)	3	1	4
Economics (BBA)	1	0	1
Ed Specialist - Director of Spcl Ed with Cntrl Office (EDS)	0	13	13
Education Specialist - Central Office (EDS)	0	1	1
Education Specialist - Directorship of Special Ed (EDS)	1	4	5
Electrical Engineering Major (BSEE)	78	10	88
Engineering Technology Management Major (BS)	28	11	39
English Major for Teacher Certification (BA)	20	0	20
Environmental Science Major (B.S.)	30	4	34
Environmental Studies and Sustainability (B.A.)	23	1	24
Exercise Science (BS)	180	13	193
Finance (BBA)	27	4	31
Fine Arts (BFA)	15	7	22
General Business Major (BBA)	17	5	22
General Studies (BGS)	34	18	52
Geography Major (BA)	3	0	3
Graduate Undecided	0	1	1
Graphic Design (BA)	115	11	126
Health Administration & Leadership (MS)	1	18	19
Health & Physical Education Teacher Education, K-12 (BA)	22	0	22
Health Science (BS)	16	6	22
Health Science Interdisciplinary (BS)	8	4	12
History Major (BA)	36	4	40
History Major for Teacher Certification (BA)	5	1	6

Program	Full Time	Part Time	Total
Integrated Science, grades 6-12 Major (BA)	2	0	2
International Business (BBA)	2	1	3
International Studies (BA)	11	0	11
International Studies (BA) - Asian Studies	1	0	1
International Studies (BA) - European Studies	1	0	1
K-12 Literacy Specialist (MAT)	0	9	9
Literature (BA)	20	9	29
Long Term Care Administrator Certificate	0	11	11
Management (BBA)	28	6	34
Marketing (BBA)	33	6	39
Marketing - Professional Sales Concentration (BBA)	3	0	3
Master of Arts in Public Administration	12	15	27
Master of Arts in Public Administration - Student Affairs	3	5	8
Master of Business Administration (MBA)	28	58	86
Master of Education - Principalship	0	16	16
Master of Public Health	2	27	29
Master of Science in Nursing (MSN) - Nursing Ed	0	7	7
Master of Science in Occupational Therapy	68	67	135
Master of Social Work (M.S.W.)	41	8	49
Master of Social Work (M.S.W.) Advanced Standing	39	7	46
Mathematics Major (BS)	5	0	5
Mathematics Major for Teacher Certification (BS)	7	1	8
Mechanical Engineering (BSME)	97	16	113
Medical Laboratory Science (BS)	17	0	17
MSN - Dual Nursing Ed/Nursing Admin	0	11	11
MSN - Nursing Admin	0	3	3
MSN - Primary Care Family Nurse Practitioner	0	28	28
MSN - Primary Care Family Nurse Practitioner - BSN to DNP	3	8	11
Music Education Major (B.A.)	25	1	26
Music Major (BA)	4	0	4
ND.HS	17	22	39
ND.POSTB	0	16	16
Neuroscience Major (BS)	20	5	25
Non-Degree Undergraduate Guest	5	5	10
No Value Entered	0	1	1
Nursing-ADN to BSN Concurrent	1	25	26
Nursing - RN to BSN (BSN)	2	63	65
Optical Physics (BS)	1	0	1
Physics Major (BS)	8	3	11
Physics Major for Teacher Certification (BS)	1	0	1
Political Science (BA)	39	5	44
Political Science - Public Administration (BA)	4	2	6
Pre-Accounting	92	5	97
Pre-Accounting (Pre-BPA)	19	1	20
Pre-Agricultural Studies	2	0	2
Pre-Biology Major for Teacher Certification	8	0	8
Pre-Business	3	1	4
Pre-Chemistry Major for Teacher Certification (BS)	3	1	4
Pre-Communication/Theatre Education	1	0	1

Program	Full Time	Part Time	Total
Pre-Computer Information Systems	1	2	3
Pre-Dentistry	13	0	13
Pre-Economics	8	0	8
Pre-Electrical Engineering Major	10	2	12
Pre-English Education	14	3	17
PRE English Language Arts Major for Teacher Cert (5-12)	41	3	44
Pre-Finance	132	2	134
PRE-Fine Arts (BFA)	2	0	2
Pre-General Business	227	20	247
Pre - Health & Physical Education Teacher Education, K-12	41	3	44
Pre-Health Professions	49	0	49
Pre-History Education	14	3	17
Pre-Integrated Science (grades 6-12) Major	6	0	6
Pre-International Business	21	3	24
Pre-Law	7	1	8
Pre-Management	75	12	87
Pre-Management - Family Business Management Concentration	1	0	1
Pre-Marketing	127	6	133
Pre-Mathematics Major for Teacher Certification	18	2	20
Pre-Mechanical Engineering	81	9	90
Pre-Medical Laboratory Science	21	12	33
Pre-Medicine	41	5	46
Pre-Music	4	0	4
Pre-Music Education Major	12	1	13
Pre-Nursing	425	28	453
Pre-Occupational Therapy Major	141	5	146
Pre-Physical Therapy	23	2	25
Pre-Physics	4	0	4
Pre-Secondary Education	8	1	9
Pre - Social Studies Major (6 -12)	49	5	54
Pre-Social Work	120	15	135
Pre-Spanish Education	3	0	3
Pre-Special Education, Elementary	1	0	1
Pre-Special Education, Secondary	5	0	5
Pre-Supply Chain Management	23	2	25
Pre-Teacher Education (B.A.)	167	17	184
Pre-Teacher Education (B.A.) - Early Childhood	3	0	3
Pre-Teacher Education (B.A.) - Early Childhood & Lower Elem	67	8	75
Pre-Teacher Education (B.A.) - Early Child with Special Ed	10	2	12
Pre-Teacher Education (b.A.) - Lower Elem With Special Ed	11	0	11
Pre-Teacher Education (B.A.) - Upper Elem with Special Ed	3	3	6
Pre-Visual Arts Education (k-12)	19	3	22
Primary Care Family Nurse Practitioner Certificate	0	2	2
Professional Accountancy (BPA)	23	3	26
Professional & Technical Writing Major (BA)	31	4	35
Psychiatric Mental Health Nurse Practitioner Certificate	1	48	49
Psychology Major (BA)	238	42	280
Public Health Major (B.S.)	15	6	21
Public Health Major (B.S.) - Health Administration Track	21	2	23

Program	Full Time	Part Time	Total
Public Health Major (B.S.) - Health Promotions Track	11	1	12
Rehabilitation Medicine (B.S.)	59	5	64
Rehabilitation Medicine - OT (B.S.)	6	0	6
Social Studies Major for Teacher Certification, Grades 6 -12	21	3	24
Social Work Major (BSW)	108	6	114
Social Work Major - Interdisciplinary (BSW)	1	0	1
Sociology Major (BA)	11	8	19
Spanish Major (BA)	4	1	5
Spanish Major for Teacher Certification (BA)	1	1	2
Special Education: Master's in the Art of Teaching (M.A.T.)	0	2	2
Special Education: (M.A.T.) with ASD	1	8	9
Special Education: (M.A.T.) with CI	0	7	7
Special Education: (M.A.T.) with LD	1	7	8
Special Education - Secondary - ASD (BA)	1	0	1
Special Education - Secondary - CI (BA)	2	0	2
Supply Chain Management (BBA)	27	7	34
Teacher Cert: Cognitive Impairment (k-12) Endorsement	0	4	4
Teacher Certification: Autism Spectrum Disorder Endorsement	0	7	7
Teacher Certification: Endorsement- Early Childhood	0	4	4
Teacher Certification: Endorsement- Learning Disabilities	0	13	13
Teacher Certification: Endorsement - Major/Minor	1	2	3
Teacher Certification: Pre-Provisional - Elementary	6	0	6
Teacher Certification: Pre-Provisional - Secondary	1	22	23
Teacher Certification: Professional Education	0	3	3
Teacher Certification: Provisional Certificate	8	10	18
Teacher Certification: Supervisor of Special Education	0	16	16
Teacher Education (B.A.) - Early Childhood & Lower Elem	44	2	46
Teacher Education (B.A.) - Early Childhood with Special Ed	1	0	1
Teacher Education (B.A.) - Integrated Science (K-8)	4	0	4
Teacher Education (B.A.) - Language Arts (K-8)	2	0	2
Teacher Education (B.A.) - Lower Elementary	1	0	1
Teacher Education (B.A.) - Lower Elementary with Special Ed	21	1	22
Teacher Education (B.A.) - Lower & Upper Elementary	105	1	106
Teacher Education (B.A.) - Mathematics (K-8)	3	0	3
Teacher Education (B.A.) - Social Studies (K-8)	3	0	3
Teacher Education (B.A.) - Upper Elementary	3	0	3
Teacher Education (B.A.) - Upper Elementary with Special Ed	7	0	7
Technology Learning Systems and Design (M.A.)	0	1	1
Technology Learning Systems and Design (M.A.) E-Learn	0	1	1
Technology Learning Systems and Design (M.A.) IT	0	4	4
Theatre Major (BA)	16	3	19
Undergraduate - Undeclared: Exploring Majors	103	1	104
Visual Arts Education (BA)	5	0	5
Sum:	5551	1271	6822



Facilities Assessment &
Deferred Maintenance Capital Planning Report
Updated - September 24 , 2024

Deferred Maintenance

Index

Page	Category	Total Replacement Cost
3.	Roofs	\$14,176,236
4.	Structure / Glazing / Cladding	\$174,381,191
5.	Ceilings / Doors / Frames	\$51,361,844
6.	Carpet	\$14,836,448
7.	Furniture	\$32,317,117
8.	Plumbing / Electrical	\$124,157,105
9.	Lighting	\$79,497,654
10.	HVAC	\$119,335,673
11.	Furnaces / Condensing Units	\$5,672,340
12.	Water Heaters	\$374,981
13.	Appliances	\$3,894,851
14.	Boilers	\$15,101,556
15.	Chillers / Cooling Towers	\$6,382,211
16.	Utilities	\$24,078,182
17.	8320 Volt System	\$30,237,347
18. - 22.	Food Service Equipment	\$1,779,330
23.	AV Equipment	\$2,809,436
24.	I.T. Equipment	\$13,691,757
25.	Parking Lots	\$9,412,861
26.	Roads	\$2,114,408
27.	Sidewalks	\$8,113,688
28.	Exterior Facilities / Furnishings	\$12,809,427
29.	Site Data / Telecommunications	\$1,650,534
30.	Site Lighting	\$6,406,385
Totals:		\$754,592,560

Roofs

Appendix B

Building	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2006	2021	64,900	\$8.92	\$578,841	\$38,589
Athletic Football Concessions Bldgs.	2015	2045	1,800	\$8.92	\$16,054	\$535
Athletic Storage Bldgs. East & West	2015	2045	3,400	\$8.92	\$30,324	\$1,011
Bell Tower	--	--	--	--	--	--
Brown Hall	1999	2019	27,000	\$8.92	\$240,812	\$12,041
Campus Recreation Center/Fitness Center	2010	2030	35,000	\$8.92	\$312,164	\$15,608
Carmona College of Business	2020	2035	13,639	\$24.49	\$334,080	\$22,272
Children's Center	2008	2023	2,900	\$7.80	\$22,627	\$1,508
Concession Building	2006	2026	3,312	\$8.92	\$29,540	\$1,477
Doan Center	2008	2028	46,300	\$8.92	\$412,948	\$20,647
Founders Hall	2024	2054	8,400	\$7.80	\$65,540	\$2,185
Gilbertson Hall (REC)	2004	2024	69,700	\$8.92	\$621,652	\$31,083
Great Lakes A - E	2006	2026	19,000	\$8.92	\$169,460	\$8,473
Grounds Building	2002	2052	6,500	\$23.33	\$151,616	\$3,032
Hamilton Gym	2023	2043	22,500	\$8.92	\$200,677	\$10,034
Bachand Hall	2010	2030	71,433	\$8.92	\$637,108	\$31,855
Living Center North (Brandimore House)	2024	2044	44,000	\$7.80	\$343,305	\$17,165
Living Center South	2023	2043	44,000	\$7.80	\$343,305	\$17,165
Living Center Southwest	2009	2029	35,000	\$7.80	\$273,084	\$13,654
Observatory	--	--	--	--	--	--
Pine Grove Central	2002	2022	27,000	\$7.80	\$210,665	\$10,533
Pine Grove East	2015	2045	21,200	\$7.80	\$165,411	\$5,514
Pine Grove West	2008	2028	38,000	\$7.80	\$296,491	\$14,825
Pioneer Hall	2023	2043	46,500	\$8.92	\$414,732	\$20,737
Ryder Center	2013	2033	152,800	\$8.92	\$1,362,818	\$68,141
Ryder Center - Fieldhouse	2014	2064	144,000	\$8.92	\$1,284,331	\$25,687
Science Building - East	2018	2033	46,000	\$8.92	\$410,272	\$27,351
Science Building - West	1999	2019	32,400	\$8.92	\$288,974	\$14,449
Soccer Pressbox	2017	2037	312	\$8.92	\$2,783	\$139
Softball Pressbox	2016	2036	240	\$8.92	\$2,141	\$107
South Campus Complex - Bldg. A	1993	2043	27,300	\$23.33	\$636,786	\$12,736
South Campus Complex - Bldg. B ('66)	2022	2037	19,300	\$8.92	\$172,136	\$11,476
South Campus Complex - Bldg. C ('68)	2021	2036	20,400	\$8.92	\$181,947	\$12,130
Student Center	2003	2023	34,000	\$8.92	\$303,245	\$15,162
Studio	2006	2026	9,900	\$8.92	\$88,298	\$4,415
Tranquil Hall F & G	1995	2015	7,100	\$8.92	\$63,325	\$3,166
University HealthCare	2009	2029	15,520	\$8.92	\$138,422	\$6,921
University Village I	2023	2043	51,100	\$7.80	\$398,702	\$19,935
University Village II	2024	2044	71,200	\$7.80	\$555,530	\$27,777
University Village III	2005	2025	47,312	\$7.80	\$369,147	\$18,457
University Village IV	2007	2027	41,500	\$7.80	\$323,799	\$16,190
West Complex	2013	2033	124,200	\$8.92	\$1,107,736	\$55,387
Wickes Hall	2015	2035	40,200	\$8.92	\$358,542	\$17,927
Wickes Memorial Stadium	1991/2014	2011/2034	1,600	\$8.92	\$14,270	\$714
Zahnaw Amphitheatre	--	--	--	--	--	--
Zahnaw Library	2003	2023	27,200	\$8.92	\$242,596	\$12,130
Totals:		Lifespan: 15, 20, 30 or 50 yrs	1,565,068		\$14,176,236	\$670,339

Structure / Glazing / Cladding / Walls

Building	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1990	2065	\$8,068,977	\$107,586
Bell Tower	1998	2073	\$85,610	\$1,141
Brown Hall	1986	2061	\$4,911,830	\$65,491
Campus Recreation Center/Fitness Center	2007	2082	\$3,609,619	\$48,128
Carmona College of Business	2020	2095	\$7,437,772	\$99,170
Children's Center	1980	2055	\$124,516	\$1,660
Concession Building	2006	2081	\$377,968	\$5,040
Doan Center	1983	2058	\$3,759,125	\$50,122
Founders Hall	1995	2070	\$457,529	\$6,100
Gilbertson Hall (REC)	2003	2078	\$10,643,876	\$141,918
Great Lakes A - E	1974	2049	\$3,781,361	\$50,418
Grounds Building	2002	2077	\$334,415	\$4,459
Hamilton Gym	1971	2046	\$2,772,295	\$36,964
Bachand Hall	2010	2085	\$8,466,638	\$112,889
Living Center North (Brandimore House)	1999	2074	\$7,020,340	\$93,605
Living Center South	2004	2079	\$7,020,340	\$93,605
Living Center Southwest	2009	2084	\$5,277,370	\$70,365
Observatory	1973	2048	\$39,461	\$526
Pine Grove Central	1995	2070	\$1,692,349	\$22,565
Pine Grove East	1997	2072	\$834,842	\$11,131
Pine Grove West	2008	2083	\$2,612,038	\$34,827
Pioneer Hall	2007	2082	\$5,392,475	\$71,900
Ryder Center	1989	2064	\$16,176,501	\$215,687
Ryder Center - Fieldhouse	2014	2089	\$5,214,399	\$69,525
Science Building - East	2001	2076	\$7,134,189	\$95,123
Science Building - West	1990	2065	\$4,458,869	\$59,452
Soccer Pressbox	2017	2092	\$233,875	\$3,118
Softball Pressbox	2010	2085	\$63,624	\$848
SCC-A	1986	2061	\$1,820,072	\$24,268
SCC-B	1970	2045	\$1,143,215	\$15,243
SCC-C	1968	2043	\$1,226,001	\$16,347
Student Center	2003	2078	\$3,212,057	\$42,827
Studio	2006	2081	\$880,181	\$11,736
Tranquil Hall F & G	1974	2049	\$2,238,138	\$29,842
University HealthCare	2009	2084	\$1,254,457	\$16,726
University Village I	2022	2097	\$3,057,746	\$40,770
University Village II	2024	2099	\$4,076,993	\$54,360
University Village III	2005	2080	\$2,717,996	\$36,240
University Village IV	2007	2082	\$2,378,246	\$31,710
West Complex	1996	2071	\$16,236,239	\$216,483
Wickes Hall	1972	2047	\$6,688,956	\$89,186
Wickes Memorial Stadium	1991	2066	\$365,823	\$4,878
Zahnnow Amphitheatre	--	--	--	--
Zahnnow Library	2002	2077	\$9,082,868	\$121,105
Totals:	Lifespan: 75 years		\$174,381,191	\$2,325,083

Ceilings / Doors / Floors

Building	Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2010	2040	\$2,258,608	\$75,287
Bell Tower	--	--	--	
Brown Hall	1987	2017	\$1,091,519	\$36,384
Campus Recreation Center/Fitness Center	2007	2037	\$1,025,094	\$34,170
Carmona College of Business	2020	2050	\$1,462,724	\$48,757
Concession Building	2006	2036	\$85,602	\$2,853
Doan Center	2005	2035	\$1,113,814	\$37,127
Founders Hall	1995	2025	\$169,455	\$5,648
Gilbertson Hall (REC)	2005	2035	\$3,153,741	\$105,125
Great Lakes A - E	2008	2038	\$1,120,402	\$37,347
Grounds Building	2002	2032	\$89,177	\$2,973
Hamilton Gym	2005	2035	\$860,367	\$28,679
Bachand Hall	2010	2040	\$2,351,844	\$78,395
Living Center North (Brandimore House)	1999	2029	\$2,080,098	\$69,337
Living Center South	2004	2034	\$2,080,098	\$69,337
Living Center Southwest	2009	2039	\$1,721,634	\$57,388
Observatory	1973	2003	\$2,007	\$67
Pine Grove Central	1988	2018	\$501,438	\$16,715
Pine Grove East	1997	2027	\$247,363	\$8,245
Pine Grove West	2008	2038	\$838,323	\$27,944
Pioneer Hall	2007	2037	\$1,498,648	\$49,955
Ryder Center	1992	2022	\$6,135,913	\$204,530
Ryder Center - Fieldhouse	2014	2044	\$595,931	\$19,864
Science Building - East	2001	2031	\$3,210,385	\$107,013
Science Building - West	1997	2027	\$1,426,838	\$47,561
Soccer Pressbox	2017	2047	\$3,898	\$130
Softball Pressbox	2007	2037	\$3,999	\$133
SCC-A	1987	2017	\$481,785	\$16,059
SCC-B	1979	2009	\$268,991	\$8,966
SCC-C	1984	2014	\$288,471	\$9,616
Student Center	2003	2033	\$951,720	\$31,724
Studio	2006	2036	\$251,481	\$8,383
Tranquil Hall F & G	2008	2038	\$559,535	\$18,651
University HealthCare	2009	2039	\$346,057	\$11,535
University Village I	2000	2030	\$905,999	\$30,200
University Village II	2001	2031	\$1,208,000	\$40,267
University Village III	2005	2035	\$805,334	\$26,844
University Village IV	2007	2037	\$704,666	\$23,489
West Complex	1997	2027	\$5,030,184	\$167,673
Wickes Hall	2012	2042	\$1,981,914	\$66,064
Wickes Memorial Stadium	1991	2021	\$34,030	\$1,134
Zahnaw Amphitheatre	--	--	--	
Zahnaw Library	2004	2034	\$2,414,758	\$80,492
Totals:		Lifespan: 30 years	\$51,361,844	\$1,712,061

Carpet

Appendix B

Building	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2008	2021	15,800	\$10.04	\$158,562	\$12,197
Bell Tower	--	--	--	--	--	--
Brown Hall	2000	2012	33,700	\$10.04	\$338,198	\$28,183
Campus Recreation Center/Fitness Center	2010	2023	5,000	\$10.04	\$50,178	\$3,860
Carmona College of Business	2020	2033	36,574	\$10.03	\$366,854	\$28,220
Concession Building	--	--	--	--	--	--
Doan Center	2005	2018	17,350	\$10.04	\$174,117	\$13,394
Founders Hall	2024	2037	2,800	\$10.04	\$28,100	\$2,162
Gilbertson Hall (REC)	2003	2016	78,975	\$10.04	\$792,557	\$60,966
Great Lakes A - C	2024	2037	22,550	\$10.04	\$348,735	\$26,826
Great Lakes D & E	2024	2037	14,000		\$2,208,995	\$170,000
Grounds Building	--	--	--	--	--	--
Hamilton Gym	--	--	--	--	--	--
Bachand Hall	2010	2023	55,000	\$10.04	\$551,955	\$42,458
Living Center North (Brandimore House)	2011	2024	76,340	\$10.04	\$766,113	\$58,932
Living Center South	2022	2035	76,340	\$10.04	\$766,113	\$58,932
Living Center Southwest	2009	2022	64,000	\$10.04	\$642,274	\$49,406
Observatory	--	--	--	--	--	--
Pine Grove Central	2023	2036	24,650	\$10.04	\$247,376	\$19,029
Pine Grove East	2011	2024	14,550	\$10.04	\$146,017	\$11,232
Pine Grove West	2008	2021	53,000	\$10.04	\$531,884	\$40,914
Pioneer Hall	2007	2020	25,700	\$10.04	\$257,913	\$19,839
Ryder Center	2010	2023	35,250	\$10.04	\$353,753	\$27,212
Ryder Center - Fieldhouse	2014	2027	14,000	\$10.04	\$140,498	\$10,808
Science Building - East	2011	2024	60,850	\$10.04	\$610,663	\$46,974
Science Building - West	2019	2032	27,938	\$10.04	\$280,373	\$21,567
Softball Pressbox	--	--	--	--	--	--
SCC-A	2013	2026	23,100	\$10.04	\$231,821	\$17,832
SCC-B	2013	2026	3,500	\$10.04	\$35,124	\$2,702
SCC-C	2013	2026	8,375	\$10.04	\$84,048	\$6,465
Student Center	2003	2016	6,700	\$10.04	\$67,238	\$5,172
Studio	2006	2019	1,150	\$10.04	\$11,541	\$888
Tranquil Hall F & G	2023	2036	14,000	\$10.04	\$140,498	\$10,808
University HealthCare	2009	2022	9,500	\$10.04	\$95,338	\$7,334
University Village I	2022	2035	37,625	\$10.04	\$377,587	\$29,045
University Village II	2024	2037	51,925	\$10.04	\$521,095	\$40,084
University Village III	2005	2018	34,850	\$10.04	\$349,739	\$26,903
University Village IV	2007	2020	30,300	\$10.04	\$304,077	\$23,391
West Complex	2010	2023	125,700	\$10.04	\$1,261,467	\$97,036
Wickes Hall	2015	2028	78,300	\$10.04	\$785,783	\$60,445
Wickes Memorial Stadium	--	--	--	--	--	--
Zahnaw Amphitheatre	--	--	--	--	--	--
Zahnaw Library	2015	2028	80,700	\$10.04	\$809,868	\$62,298
Totals:	Lifespan: 13 years		1,260,092		\$14,836,448	\$1,143,511

Furniture

Building	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1999	2013	\$591,914	\$42,280
Brown Hall	1987	2001	\$1,446,346	\$103,310
Campus Recreation Center/Fitness Center	2010	2024	\$32,714	\$2,337
Carmona College of Business	2020	2034	\$808,316	\$57,737
Concession Building	2006	2020	\$44,175	\$3,155
Doan Center	2005	2019	\$93,637	\$6,688
Founders Hall	1995	2009	\$124,179	\$8,870
Gilbertson Hall (REC)	2003	2017	\$3,344,152	\$238,868
Great Lakes A - C	2024	2038	\$415,200	\$29,650
Great Lakes D & E	2024	2038	\$276,800	\$20,000
Grounds Building	2002	2016	\$41,245	\$2,946
Hamilton Gym	2004	2018	\$158,345	\$11,310
Bachand Hall	2010	2024	\$1,698,367	\$121,312
Living Center North (Brandimore House)	1999	2013	\$1,517,241	\$108,374
Living Center South	2004	2018	\$1,517,241	\$108,374
Living Center Southwest	2009	2023	\$891,097	\$63,650
Pine Grove Central	2003	2017	\$951,639	\$67,974
Pine Grove East	2007	2021	\$708,109	\$50,579
Pine Grove West	2008	2022	\$847,148	\$60,511
Pioneer Hall	2007	2021	\$1,363,378	\$97,384
Ryder Center	1991	2005	\$506,528	\$36,181
Ryder Center - Fieldhouse	2014	2028	\$44,694	\$3,192
Science Building - East	2001	2015	\$1,447,182	\$103,370
Science Building - West	1990	2004	\$1,378,515	\$98,465
Softball Pressbox	2006	2020	\$2,909	\$208
SCC-A	1992	2006	\$910,724	\$65,052
SCC-B	1996	2010	\$215,364	\$15,383
SCC-C	1987	2001	\$159,181	\$11,370
Student Center	2003	2017	\$412,446	\$29,460
Tranquil Hall F & G (New Last Yr)	2023	2037	\$292,052	\$20,861
University HealthCare	2009	2023	\$155,725	\$11,123
University Village I	2000	2014	\$830,188	\$59,299
University Village II	2001	2015	\$1,070,084	\$76,435
University Village III	2006	2020	\$688,098	\$49,150
University Village IV	2007	2021	\$624,249	\$44,589
West Complex	1996	2010	\$3,272,155	\$233,725
Wickes Hall	2004	2018	\$2,321,063	\$165,790
Zahnow Library	2016	2030	\$1,114,717	\$79,623
Totals:		Lifespan: 14 years	\$32,317,117	\$2,308,587

Plumbing / Electrical

Building	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2005	2055	\$4,959,883	\$99,198
Bell Tower	1998	2048	\$17,122	\$342
Brown Hall	1986	2036	\$2,728,792	\$54,576
Campus Recreation Center/Fitness Center	2007	2057	\$2,623,258	\$52,465
Carmona College of Business	2020	2070	\$1,890,971	\$37,819
Concession Building	2006	2056	\$288,705	\$5,774
Doan Center	1993	2043	\$2,784,537	\$55,691
Founders Hall	1995	2045	\$338,910	\$6,778
Gilbertson Hall (REC)	2003	2053	\$7,884,353	\$157,687
Great Lakes A - E	1976	2026	\$2,801,007	\$56,020
Grounds Building	2002	2052	\$160,520	\$3,210
Hamilton Gym	1971	2021	\$1,911,927	\$38,239
Bachand Hall	2010	2060	\$6,114,794	\$122,296
Living Center North (Brandimore House)	1999	2049	\$5,200,251	\$104,005
Living Center South	2004	2054	\$5,200,251	\$104,005
Living Center Southwest	2009	2059	\$3,547,085	\$70,942
Observatory	1973	2023	\$4,013	\$80
Pine Grove Central	1989	2039	\$1,253,593	\$25,072
Pine Grove East	1997	2047	\$618,400	\$12,368
Pine Grove West	2008	2058	\$2,294,358	\$45,887
Pioneer Hall	2007	2057	\$3,746,618	\$74,932
Ryder Center	1989	2039	\$12,829,645	\$256,593
Ryder Center - Fieldhouse	2014	2064	\$3,575,587	\$71,512
Science Building - East	2001	2051	\$8,025,963	\$160,519
Science Building - West	1993	2043	\$3,790,039	\$75,801
Softball Pressbox	2007	2057	\$5,454	\$109
SCC-A	1992	2042	\$1,070,627	\$21,413
SCC-B	1987	2037	\$672,478	\$13,450
SCC-C	1980	2030	\$721,178	\$14,424
Student Center	2003	2053	\$2,379,302	\$47,586
Studio	2000	2050	\$628,700	\$12,574
Tranquil Hall F & G	2023	2073	\$1,119,069	\$22,381
University HealthCare	2009	2059	\$778,628	\$15,573
University Village I	2000	2050	\$2,264,998	\$45,300
University Village II	2001	2051	\$3,019,997	\$60,400
University Village III	2005	2055	\$2,013,332	\$40,267
University Village IV	2007	2057	\$1,761,666	\$35,233
West Complex	2000	2050	\$13,135,589	\$262,712
Wickes Hall	2000	2050	\$4,954,784	\$99,096
Wickes Memorial Stadium	1991	2041	\$170,151	\$3,403
Zahnaw Amphitheatre	--	--	--	--
Zahnaw Library	2017	2067	\$4,870,571	\$97,411
Totals:	Lifespan: 50 years		\$124,157,105	\$2,483,142

Lighting

Building	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2020	2050	\$2,626,034	\$87,534
Bell Tower	1998	2028	\$5,707	\$190
Brown Hall	1990	2020	\$1,637,277	\$54,576
Campus Recreation Center/Fitness Center	2009	2039	\$1,598,164	\$53,272
Carmona College of Business	2020	2050	\$857,305	\$28,577
Concession Building	2022	2052	\$108,598	\$3,620
Doan Center	2013	2043	\$1,670,722	\$55,691
Founders Hall	1995	2025	\$169,455	\$5,648
Gilbertson Hall (REC)	2003	2033	\$4,730,611	\$157,687
Great Lakes A - C	2024	2054	\$1,008,400	\$33,600
Great Lakes D & E	2024	2054	\$672,300	\$22,400
Grounds Building	2020	2050	\$122,619	\$4,087
Hamilton Gym	2011	2041	\$1,147,156	\$38,239
Bachand Hall	2010	2040	\$3,762,950	\$125,432
Living Center North (Brandimore House)	2019	2049	\$3,120,147	\$104,005
Living Center South	2019	2049	\$3,120,147	\$104,005
Living Center Southwest	2009	2039	\$2,162,856	\$72,095
Observatory	1973	2003	\$5,350	\$178
Pine Grove Central	2023	2053	\$752,155	\$25,072
Pine Grove East	1997	2027	\$371,043	\$12,368
Pine Grove West	2008	2038	\$2,823,825	\$94,127
Pioneer Hall	2007	2037	\$2,182,495	\$72,750
Ryder Center	1990	2020	\$5,578,106	\$185,937
Ryder Center - Fieldhouse	2024	2054	\$320,313	\$10,677
Science Building - East	2001	2031	\$4,815,578	\$160,519
Science Building - West	1997	2027	\$2,140,256	\$71,342
Softball Pressbox	2007	2037	\$5,272	\$176
SCC-A	2020	2050	\$695,911	\$23,197
SCC-B	2020	2050	\$403,487	\$13,450
SCC-C	2021	2051	\$432,706	\$14,424
Student Center	2003	2033	\$1,427,581	\$47,586
Studio	2021	2051	\$282,915	\$9,431
Tranquil Hall F & G	2000	2030	\$671,442	\$22,381
University HealthCare	2009	2039	\$346,057	\$11,535
University Village I	2022	2052	\$3,365,489	\$112,183
University Village II	2024	2054	\$4,487,320	\$149,577
University Village III	2005	2035	\$2,991,546	\$99,718
University Village IV	2007	2037	\$2,617,603	\$87,253
West Complex	2016	2046	\$7,521,120	\$250,704
Wickes Hall	2011	2041	\$2,972,870	\$99,096
Wickes Memorial Stadium	1991	2021	\$144,627	\$4,821
Zahnaw Library	2017	2047	\$3,622,138	\$120,738
Totals:	Lifespan: 30 years		\$79,497,654	\$2,649,898

HVAC Equipment / HVAC Terminal Units

Building	Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1987	2027	\$4,291,215	\$107,280
Brown Hall	1986	2026	\$3,410,994	\$85,275
Campus Recreation Center/Fitness Center	2010	2050	\$3,127,768	\$78,194
Carmona College of Business	2020	2060	\$1,224,722	\$30,618
Doan Center	2022	2062	\$3,480,671	\$87,017
Founders Hall	1995	2035	\$423,637	\$10,591
Gilbertson Hall (REC)	2003	2043	\$9,855,441	\$246,386
Great Lakes A - C	2004	2034	\$2,100,750	\$70,025
Great Lakes D & E	2024	2054	\$1,400,500	\$46,700
Hamilton Gym	See Ryder Center	--	--	--
Bachand Hall	2010	2050	\$7,055,532	\$176,388
Living Center North (Brandimore House)	1999	2029	\$6,500,315	\$216,677
Living Center South	2004	2034	\$6,500,315	\$216,677
Living Center Southwest	2009	2039	\$5,415,792	\$180,526
Pioneer Hall	2007	2037	\$4,683,367	\$156,112
Ryder Center	1989	2029	\$9,482,778	\$237,069
Ryder Center - Fieldhouse	2014	2054	\$893,897	\$22,347
Science Building - East	2001	2041	\$13,376,606	\$334,415
Science Building - West	1995	2035	\$4,235,925	\$105,898
Student Center	2003	2043	\$1,714,498	\$42,862
Studio	2001	2041	\$156,060	\$3,902
Tranquil Hall F & G	2004	2034	\$559,535	\$18,651
University Village I (420 & 432)	2000	2030	\$467,512	\$15,584
West Complex	1996	2036	\$15,494,526	\$387,363
Wickes Hall	2000	2040	\$6,193,476	\$154,837
Zahnow Library	1997	2037	\$7,289,842	\$182,246
Totals:		Lifespan: 30 or 40 years	\$119,335,673	\$3,213,643

Furnaces & Condensing Units

Appendix B

Building	Install Date	Average Replacement Date	Number	Cost per Unit	Total Replacement Cost	Annual Cost
Concessions	2006	2023	2	\$7,802	\$15,605	\$918
Grounds Building	2019	2036	2	\$7,802	\$15,605	\$918
Pine Grove Central	2023	2040	82	\$7,802	\$639,796	\$37,635
Pine Grove East	1996	2013	32	\$7,802	\$249,677	\$14,687
Pine Grove West	2008	2025	114	\$7,802	\$889,473	\$52,322
SCC-A	2014	2031	39	\$7,802	\$304,293	\$17,900
SCC-B	2013	2030	15	\$7,802	\$117,036	\$6,884
SCC-C	2014	2031	20	\$7,802	\$156,048	\$9,179
University HealthCare	2009	2026	7	\$7,802	\$54,617	\$3,213
University Village I	2022	2039	86	\$7,802	\$671,006	\$39,471
University Village II	2024	2041	144	\$7,802	\$1,123,545	\$66,091
University Village III	2005	2022	100	\$7,802	\$780,239	\$45,896
University Village IV	2007	2024	84	\$7,802	\$655,401	\$38,553
Totals:	Lifespan: 17 years		727		\$5,672,340	\$333,667

Water Heaters

Building	Install Date	Average Replacement Date	Number	Cost per Unit	Total Replacement Cost	Annual Cost
Concessions	2006	2019	3	\$1,115	\$3,346	\$257
Great Lakes A - C	2024	2037	3	\$500	\$1,500	\$115
at Lakes D & E (Under Kitchen Sit	2024	2037	2	\$500	\$1,000	\$80
Grounds Building	2002	2015	1	\$1,115	\$1,115	\$86
Pine Grove Central	2023	2036	42	\$1,115	\$46,839	\$3,603
Pine Grove East	1996	2009	16	\$1,115	\$17,843	\$1,373
Pine Grove West	2008	2021	56	\$1,115	\$62,452	\$4,804
SCC-A	1989	2002	2	\$1,115	\$2,230	\$172
SCC-B	1994	2007	1	\$1,115	\$1,115	\$86
SCC-C	1992	2005	1	\$1,115	\$1,115	\$86
University HealthCare	2009	2022	1	\$1,115	\$1,115	\$86
University Village I	2022	2035	46	\$1,115	\$51,300	\$3,946
University Village II	2001	2014	73	\$1,115	\$81,410	\$6,262
University Village III	2005	2018	50	\$1,115	\$55,761	\$4,289
University Village IV	2007	2020	42	\$1,115	\$46,839	\$3,603
Totals:		Lifespan: 13 years	336		\$374,981	\$28,847

Appliances

(Ranges, Range Hoods, Refrigerators, Dishwashers, Disposals, Microwaves)

Building	Install Date	Average Replacement Date	Number	Cost per Unit	Total Replacement Cost	Annual Cost
Concessions	2011	2026	6	\$1,004	\$6,021.32	\$401
Great Lakes A - C	2023	2038	81	\$1,004	\$81,324.00	\$5,425
Great Lakes D & E (Moved from P.O.)	2023	2038	54	\$1,004	\$54,250.00	\$3,650
Living Center North (Brandimore)	2004	2019	605	\$1,004	\$607,150.08	\$40,477
Living Center South	2009	2024	605	\$1,004	\$607,150.08	\$40,477
Living Center Southwest	2014	2029	460	\$1,004	\$461,634.77	\$30,776
Pine Grove Central	2024	2039	200	\$1,004	\$200,710.77	\$13,381
Pine Grove East	2001	2016	96	\$1,004	\$96,341.17	\$6,423
Pine Grove West	2013	2028	324	\$1,004	\$325,151.45	\$21,677
Tranquil Hall F & G	2023	2038	54	\$1,004	\$54,191.91	\$3,613
University HealthCare	2014	2029	7	\$1,004	\$7,024.88	\$468
University Village I	2023	2038	492	\$1,004	\$493,748.50	\$32,917
University Village II	2024	2039	432	\$1,004	\$433,535.27	\$28,902
University Village III	2010	2025	300	\$1,004	\$301,066.16	\$20,071
University Village IV	2012	2027	252	\$1,004	\$252,895.57	\$16,860
Totals:		Lifespan: 15 years			\$3,894,851	\$259,690
<u>Replacements</u>		<u>Cost:</u>				
	2025 and before	\$1,611,707.49				
	2026	\$301,066.16				
	2027	\$6,021.32				
	2028	\$252,895.57				
	2029	\$325,151.45				

Boilers

Building	Install Date	Average Replacement Date	Number of Boilers	Cost Per Boiler	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1986	2011	3	\$408,931	\$1,226,794	\$49,072
Arbury Fine Arts Center	2002	2017	1	\$163,572	\$163,572	\$10,905
Arbury Fine Arts Center	2004	2019	1	\$196,287	\$196,287	\$13,086
Arbury Fine Arts Center	2010	2025	1	\$196,287	\$196,287	\$13,086
Doan Center (DHW, HWH from WC)	2014	2039	2	\$196,287	\$392,573	\$15,703
Founders Hall (HWH)	2005	2020	2	\$34,042	\$68,084	\$4,539
Great Lakes A - C (DWH)	2024	2039	2	\$32,750	\$65,500	\$4,400
Great Lakes D & E (DWH)	2024	2039	3	\$32,750	\$98,250	\$6,550
Great Lakes A - C (HWH)	2024	2039	6	\$78,600	\$471,600	\$31,440
Great Lakes D & E (HWH)	2024	2039	4	\$52,400	\$209,600	\$14,000
Bachand Hall	2009	2024	2	\$196,287	\$392,573	\$26,172
Bachand Hall	2009	2024	1	\$130,858	\$130,858	\$8,724
Living Center North (Brandimore) (HWH)	1999	2014	3	\$245,359	\$736,076	\$49,072
Living Center North (Brandimore) (DWH)	1999	2014	2	\$130,858	\$261,716	\$17,448
Living Center South (DWH)	2003	2018	2	\$130,858	\$261,716	\$17,448
Living Center South (HWH)	2003	2018	3	\$245,359	\$736,076	\$49,072
Living Center Southwest (HWH)	2008	2023	4	\$196,287	\$785,147	\$52,343
Ryder Center - Fieldhouse	2014	2039	2	\$20,858	\$41,716	\$1,669
Ryder Center - Pool	2011	2026	2	\$130,858	\$261,716	\$17,448
Ryder Center (DWH)	2007	2022	1	\$147,215	\$147,215	\$9,814
Ryder Center (HWH)	2014	2039	5	\$238,372	\$1,191,860	\$47,674
Science Building - East (DWH)	1999	2014	1	\$130,858	\$130,858	\$8,724
Science Building - East (HWH)	2000	2015	3	\$327,145	\$981,435	\$65,429
Science Building - West (DWH)	2003	2018	1	\$130,858	\$130,858	\$8,724
Science Building - West (HWH)	2012	2027	6	\$163,572	\$981,435	\$65,429
Student Center	2003	2018	2	\$163,572	\$327,145	\$21,810
Tranquil Hall F & G (DWH)	2023	2038	2	\$163,572	\$327,145	\$21,810
Tranquil Hall F & G (HWH)	2023	2038	4	\$130,858	\$523,433	\$34,896
University Village I (DWH)	2000	2015	4	\$98,144	\$392,576	\$26,172
University Village I (HWH)	2000	2015	4	\$98,144	\$392,576	\$26,172
West Complex (DWH)	2014	2039	2	\$163,572	\$327,145	\$13,086
West Complex (HWH)	2010	2035	7	\$130,858	\$916,008	\$36,640
Wickes Hall	1999	2024	2	\$490,717	\$981,435	\$39,257
Zahnow Library - Food Court (DWH)	2005	2020	2	\$130,858	\$261,716	\$17,448
Zahnow Library - Food Court (HWH)	2005	2020	2	\$196,287	\$392,573	\$26,172
Totals:		Lifespan: 15 or 25 years	94		\$15,101,556	\$871,430

Chillers / Cooling Towers / Heat Pumps

Location / Tons	Install Date	Average Replacement Date	Number Units	Total Replacement Cost	Annual Cost
Chillers					
Science West / 800	1984	2001	1	\$523,432	\$30,790
Doan Center / 320	1994	2011	1	\$245,359	\$14,433
West Complex / 1000	2013	2030	1	\$752,433	\$44,261
Pioneer Hall / 640	1998	2015	1	\$458,003	\$26,941
Gilbertson Hall (REC) / 450	2002	2019	1	\$343,501	\$20,206
Gilbertson Hall (REC) / 450	2002	2019	1	\$343,501	\$20,206
Ryder / 500	2004	2021	1	\$376,217	\$22,130
Arbury / 60	2002	2019	1	\$49,072	\$2,887
Totals:	Lifespan: 17 years		8	\$3,091,518	\$181,854
Replacement Dates:					
2025 and before	Cost: \$2,339,085.60				
2026	\$0.00				
2027	\$0.00				
2028	\$0.00				
2029	\$0.00				
Cooling Towers					
Science West	1984	2014	1	\$327,145	\$10,905
Doan Center	1994	2024	1	\$327,145	\$10,905
West Complex	2013	2028	1	\$327,145	\$21,810
Pioneer Hall	1998	2028	1	\$327,145	\$10,905
Gilbertson Hall (REC)	2003	2033	1	\$327,145	\$10,905
Gilbertson Hall (REC)	2003	2033	1	\$327,145	\$10,905
Ryder	2004	2034	1	\$327,145	\$10,905
Totals:	Lifespan: 15 or 30 years		7	\$2,290,015	\$87,239
Replacement Dates:					
2025 and before	Cost: \$654,289.88				
2026	\$0.00				
2027	\$0.00				
2028	\$0.00				
2029	\$654,289.88				
Heat Pumps					
Gilbertson Hall (REC)-10 units@70 tons each	2010	2025	10	\$981,435	\$65,429
West Complex - 2 units @ 40 tons each	2013	2028	2	\$19,243	\$1,283
Totals:	Lifespan: 15 years		12	\$1,000,678	\$66,712
Replacement Dates:					
2025 and before	Cost: \$981,434.82				
2026	\$981,434.82				
2027	\$0.00				
2028	\$0.00				
2029	\$19,243.18				

Utilities

Description	Average Install Date	Average Replacement Date	Linear Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
Natural Gas (Consumers Owned)	2015	2095	0	\$0.00	\$0	\$0
Sanitary Sewer	1991	2071	40,580	\$156.06	\$6,332,975	\$79,162
Storm Sewer	1990	2070	86,635	\$167.21	\$14,486,549	\$181,082
Water	1992	2072	48,720	\$66.89	\$3,258,658	\$40,733
Totals:	Lifespan: 80 years				\$24,078,182	\$300,977

8320 Volt Electrical System - Equipment

Area	Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
A House to E House, MH 7 to Pioneer, Pioneer to Fine Arts	1969	1999	\$278,806	\$9,294
West Complex to Doan Center	1991	2021	\$41,033	\$1,368
Main Loop Switches 1 & 2, 66/68 Building	2001	2031	\$212,936	\$7,098
Ryder Center to Loop Switch 4	2002	2032	\$143,614	\$4,787
Manhole #6 to Manhole #6A to Living Center South	2003	2033	\$95,821	\$3,194
University Villages	2003	2033	\$1,388,988	\$46,300
Pine Grove	2008	2038	\$252,849	\$8,428
Bachand Hall	2010	2040	\$96,269	\$3,209
Totals:	Lifespan: 30 years		\$2,510,316	\$83,677

8320 Volt Distribution System

Description	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Duct Banks	1966	2046	\$22,071,400	275,892
Cable	1995	2025	\$5,453,643	181,788
Health & Human Services Cable	2010	2040	\$201,989	6,733
Totals:	Lifespan: 30 or 80 years		\$27,727,031	464,414

Food Services Equipment

Appendix B

Location	Description	Install Date	Lifespan	Average	Quantity	Cost per Unit	Total	Annual Cost
				Replacement Date			Replacement Cost	
Doan Marketplace- D151								
Desert Section Island (Main Dining)								
	Refrigerator (2 Door)	2005	20	2025	1	\$6,748	\$6,748	\$337
	Cooler (2 Door)	2005	20	2025	1	\$4,326	\$4,326	\$216
	Reach In Freezer (1 Door)	1995	20	2015	1	\$5,709	\$5,709	\$285
	Reach In Freezer	1995	20	2015	1	\$8,652	\$8,652	\$433
	Ice Cream Cooler	2005	15	2020	1	\$10,381	\$10,381	\$692
Main Lobby Dining								
	Ice Cream Machine	2015	15	2030	1	\$21,385	\$21,385	\$1,426
	Cooler (2 Door)	2005	20	2025	1	\$4,326	\$4,326	\$216
	Food Warmer	2005	15	2020	6	\$2,941	\$17,647	\$1,176
	Island Cooler for Ice Prep.	2005	15	2020	1	\$24,224	\$24,224	\$1,615
	Prep Table/3 door cooler	1996	20	2016	1	\$15,572	\$15,572	\$779
	Grill	1996	20	2016	1	\$13,843	\$13,843	\$692
	Holding Oven	1996	20	2016	1	\$12,977	\$12,977	\$649
	Food Warmer and Cooler	1996	15	2011	1	\$10,381	\$10,381	\$692
Main Lobby Dining (Right Side Salad Bar Side)								
	Salad Prep Table	1996	15	2011	1	\$1,731	\$1,731	\$115
	Soup Heater	2005	4	2009	2	\$865	\$1,729	\$432
	Soup Heater	2009	4	2013	2	\$831	\$1,661	\$415
	Salad Prep Table	2006	15	2021	2	\$4,326	\$8,652	\$577
	Salad/Deli Prep Table	1996	15	2011	1	\$4,326	\$4,326	\$288
	Salad Prep Table	2005	15	2020	1	\$4,326	\$4,326	\$288
1st Floor Kitchen Main Dining								
	Steamer	2016	7	2023	2	\$23,148	\$46,297	\$6,614
	Tilt Top Skillet	1996	15	2011	1	\$25,955	\$25,955	\$1,730
	Flat Top Range	1996	20	2016	1	\$17,303	\$17,303	\$865
	Cooler (2 Door)	1996	20	2016	1	\$8,652	\$8,652	\$433
	Cookie Oven	1996	20	2016	1	\$34,606	\$34,606	\$1,730
	Holding Oven	1996	20	2016	1	\$25,955	\$25,955	\$1,298
	Oven	1996	20	2016	1	\$17,303	\$17,303	\$865
	Grill	1999	15	2014	1	\$10,381	\$10,381	\$692
	Fryer	1996	15	2011	1	\$4,845	\$4,845	\$323
	Ice Machine	2006	15	2021	1	\$8,652	\$8,652	\$577
	Food Warmer and Cooler	2006	20	2026	1	\$8,652	\$8,652	\$433
	Convection Oven	1996	20	2016	8	\$13,843	\$110,742	\$5,537
	Convection Oven	2006	20	2026	4	\$13,843	\$55,371	\$2,769
	Convection Oven	2017	20	2037	4	\$13,726	\$54,904	\$2,745
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,652	\$8,652	\$577
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,652	\$8,652	\$577
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,652	\$8,652	\$577
	Holding Oven	2006	15	2021	1	\$2,422	\$2,422	\$161
	Walk in Freezer (#6 Baked Goods)	2006	15	2021	1	\$34,606	\$34,606	\$2,307
	Walk in Cooler (#5)	2006	20	2026	1	\$34,606	\$34,606	\$1,730

Food Services Equipment

Location	Description	Install Date	Average Lifespan	Replacement		Cost per Unit	Total Replacement Cost	Annual Cost
				Date	Quantity			
	Walk in Freezer (#4 Meat)	2006	20	2026	1	\$34,606	\$34,606	\$1,730
	Walk in Cooler (#3 Grill Comfort)	2006	20	2026	1	\$34,606	\$34,606	\$1,730
	Walk in Cooler (#2 Produce)	2006	20	2026	1	\$34,606	\$34,606	\$1,730
	Walk in Cooler (#1 Catering)	2006	20	2026	1	\$34,606	\$34,606	\$1,730
	Warming Unit	2007	15	2022	2	\$2,941	\$5,882	\$392
Doan Marketplace Totals:							\$850,110	\$51,179
Curtiss Hall								
Coffee Shop (C160)								
	Airscreen		20		1			
	Freezer 2 Door		20		1			
	Coffee Maker		20		1			
Food Service (C240)								
	Freezer (1 Door)	1996	20	2016	1	\$3,460	\$3,460	\$173
	Cooler	2005	20	2025	1	\$5,882	\$5,882	\$294
	Cooler (2 Door)	1996	20	2016	1	\$8,652	\$8,652	\$433
	Ice Machine	2005	15	2020	1	\$8,652	\$8,652	\$577
Beverages (C246)								
	Ice Machine	1996	15	2011	2	\$8,652	\$17,304	\$1,154
	Cooler (4 Door)	1996	20	2016	1	\$8,998	\$8,998	\$450
	Cooler (3 Door)	1996	20	2016	1	\$7,786	\$7,786	\$389
	Refrigerator	2003	20	2023	1	\$6,921	\$6,921	\$346
President's Kitchen (C226)								
	Freezer (2 Door)	1996	20	2016	1	\$25,955	\$25,955	\$1,298
	Cooler (2 Door)	1996	20	2016	1	\$25,955	\$25,955	\$1,298
	Ice Machine	1996	15	2011	1	\$8,652	\$8,652	\$577
	Cooler (2 Door)	1996	20	2016	1	\$25,955	\$25,955	\$1,298
	Warming Prep Table (4 Pans)	1996	15	2011	1	\$17,303	\$17,303	\$1,154
	Oven (4 Drawer)	1996	15	2011	1	\$13,843	\$13,843	\$923
	Refrigerator	1996	20	2016	1	\$6,921	\$6,921	\$346
	Warming Station (1 Door)	1996	15	2011	1	\$2,422	\$2,422	\$161
	Cooler (2 Door)	1996	20	2016	1	\$8,825	\$8,825	\$441
	Cooler (2 Door)	1996	20	2016	1	\$20,763	\$20,763	\$1,038
	Oven	2005	15	2020	1	\$12,964	\$12,964	\$864
Campus Dining Office (C122)								
	Refrigerator (1 Door)	2008	10	2018	2	\$1,731	\$3,461	\$346
Finishing Kitchen (C248 & C249)								
	Warming Unit	1996	15	2011	6	\$2,941	\$17,647	\$1,176
	Hot Hold Unit	1996	15	2011	3			
	Walk In Cooler				1			
	Walk In Freezer				1			
	Warming Unit				8			

Food Services Equipment

Appendix B

Location	Description	Install Date	Lifespan	Average Replacement		Cost per Unit	Total Replacement Cost	Annual Cost
				Date	Quantity			
	Ice Machine	1996	15	2011	1	\$8,652	\$8,652	\$577
	Ice Machine				1			
	Warming Unit (4 Tray Holders)	1996	15	2011	3	\$3,460	\$10,380	\$692
	Cooler	2005	20	2025	1	\$6,921	\$6,921	\$346
Curtiss Hall Totals:							\$284,277	16,351
Student Center								
Papa John's								
	Walk In Cooler		20		1			
	WOW Oven		20		2			
	Warming Cabinet		20		1			
	Heat Lamp		20		1			
	Heat Lamp		20		2			
	Heat Lamp		20		1			
	Express Oven		20		1			
	Under Counter Refrigerator		20		1			
	Makeline		20		1			
	Oven Hood		20		1			
	Beverage Cooler		20		1			
	Warming Cabinet (small)		20		1			
Convenience Store (Student Center SC128)								
	Refrigerator Reach In Cooler (2 Door)	2003	20	2023	1	\$6,576	\$6,576	\$329
	Walk In Cooler (7 Doors)	2003	20	2023	1	\$34,606	\$34,606	\$1,730
	Walk In Freezer (5 Doors)	2003	20	2023	1	\$34,606	\$34,605.59	\$1,730
	Freezer (3 Door)	2004	20	2024	1	\$13,843	\$13,843	\$692
	Freal Milkshake Machine	2012			1			
	Hoshizaki Ice Maker	2012			1			
Student Center Totals:							\$89,629	4,481
Gilbertson Hall (REC)								
Einstein Bros. Bagels								
	Ice Machine	2003	10	2013	1	\$8,652	\$8,652	\$865
	Freezer	2003	20	2023	1	\$8,652	\$8,652	\$433
	Makeline - 3 door							
	Espresso Machine							
	TurboChef							
	Walk In Cooler							
	Walk In Freezer							
	Bagel Slicer							
	Oven							
	Cooler Undercounter 2 door							
	Cooler Undercounter 2 door							
	Airscreen							
	Cooler Undercounter 2 door							
	Toaster							

Food Services Equipment

Appendix B

Location	Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Cost
2nd Floor Kitchen (ES205)								
	Ice Machine	2003	15	2018	1	\$8,652	\$8,652	\$577
	Refrigerator (3 Door)	2003	15	2018	1	\$6,921	\$6,921	\$461
	Freezer (1 Door)	2003	20	2023	1	\$8,652	\$8,652	\$433
	Warming Unit	2003	20	2023	3	\$2,941	\$8,824	\$441
	Warming Unit (Hot Food)	2003	15	2018	5	\$2,941	\$14,706	\$980
	Warming Unit	2007	15	2022	1	\$2,941	\$2,941	\$196
Regional Education Center Totals:							\$68,001	\$4,386
Science East								
Starbucks (2017)								
	Equipment (brewers, ginder, warmer, ovens, e	2017	10	2027	1	\$230,216	\$230,216	\$23,022
Science East Totals:							\$230,216	\$23,022
Zahnow Library - Food Court								
Albert E's Food Court (Subway, Greens to Go, Grille)								
	Salad Prep Table with 2 Door cooler	2004	15	2019	1	\$17,303	\$17,303	\$1,154
	Drop In Freezer Counter Top		8		1			
	Salad Prep Table with 2 Door cooler	2004	15	2019	1	\$17,303	\$17,303	\$1,154
	Cooler with Prep Sink		15	15	1	\$13,843	\$13,843	\$923
	Reach In Cooler (2 Door)		20	20	1	\$8,652	\$8,652	\$433
	Fryer	1996	15	2011	1	\$5,191	\$5,191	\$346
	Stove	2005	20	2025	1	\$17,303	\$17,303	\$865
	Fryer	2005	15	2020	1	\$5,191	\$5,191	\$346
	Stove Char Grill	2005	15	2020	1	\$13,843	\$13,843	\$923
	Grill Flat Top	2005	15	2020	1	\$19,033	\$19,033	\$1,269
	Ice Cream Cooler (Countertop Storage)	2003	15	2018	1	\$4,326	\$4,326	\$288
	Reach In Freezer	1996	20	2016	1	\$6,921	\$6,921	\$346
	Salad prep unit							
	Salad prep unit							
	Salad prep unit							
	Air screen							
	Chef Base 6 Drawer							
Panda Express (2017)								
	Equipment (griddle, back line, etc.)	2017	10	2027	1	\$22,668	\$22,668	\$2,267
	Equipment (fridge, induction lines, etc.)	2017	10	2027	1	\$35,151	\$35,151	\$3,515
	Equipment (rice cooker, warmers, wok)	2017	10	2027	1	\$30,527	\$30,527	\$3,053
	Equipment (flat top grill)	2017	10	2027	1	\$837	\$837	\$84
	Equipment (sneeze guards	2017	10	2027	1	\$1,198	\$1,198	\$120
Zahnow Library Food Court Totals:							\$219,289	\$17,084
Wickes Stadium								
	Ice Machine	2008	15	2023	1	\$8,652	\$8,652	\$577
	Cooler (2 Door)	2007	20	2027	1	\$6,055	\$6,055	\$303
	Warming Unit	2007	15	2022	1	\$2,941	\$2,941	\$196
	Warming Unit		15	15				\$0

Food Services Equipment

Appendix B

Location	Description	Install Date	Average Lifespan	Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Cost
	Warming Unit (2 Drawer)	2007	15	2022	1	\$2,941	\$2,941	\$196
	Cooler	2003	20	2023	1	\$6,921	\$6,921	\$346
	Popcorn Machine							
	2 Door Freezer							
	Cooler (2 Door)							
	Football South Side							
	Cooler Reach In	1995	20	2015	1	\$2,595	\$2,595	\$130
	Popcorn Machine	1995	10	2005	1	\$2,595	\$2,595	\$260
	Football North Side							
	Warming Unit (2 Drawer)	2007	15	2022	1	\$2,510	\$2,510	\$167
	Popcorn Machine	1995	10	2005	1	\$2,595	\$2,595	\$260
	Wickes Stadium Totals:						\$37,807	\$2,434
	Food Service Equipment Consolidated Totals:	Lifespan:	varies				\$1,779,330	\$118,937

AV Equipment (Non Conference Specific Items)

Location	Equipment Description	Install Date	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Appendix B Average Annual Funds Needed
Malcolm Field Theatre (Curtiss Hall)							
	Audio Board			1	\$25,955	\$25,955	
	Dimmer Racks	2024		6	\$190,331	\$1,141,984	
	Follow Spotlights	2024		2	\$10,381	\$20,763	
	LineArray Front of House Speakers			12	\$103,817	\$1,245,801	
	Cyc			1	\$8,652	\$8,652	
	Black Sharkstooth Scrim			1	\$5,191	\$5,191	
	Mechanical Hoist Apron Electric (only fly pipe for lighting)	2024		1	\$25,955	\$25,955	
	Front of House Projector			1	\$69,211	\$69,211	
	Wireless Headsets			4	\$1,731	\$6,923	
	Reropeing Fly system			1	\$17,303	\$17,303	
	Arial Lift			1	\$17,303	\$17,303	
	Permenant Refinishing of Floor			1	\$20,763	\$20,763	
	Video Rack Upgrade			1	\$13,843	\$13,843	
	L & E MR-16 CYC Strips	2024		8	\$2,077	\$16,612	
	Pipe- Screen Lineset			1	\$1,731	\$1,731	
Rhea Miller Recital Hall (Curtis Hall)							
	Line Array F of H sepakers			included in MFT		-	
	Audio Borad			1	\$13,843	\$13,843	
	Motorized Front Stage Light Bar			1	\$25,955	\$25,955	
	Source 4 Ellipsoidals	2024		12	\$692	\$8,301	
Black Box Theatre/Studio (Curtis Hall)							
	Lighting Board	2024		1	\$24,224	\$24,224	
	Audio Board			1	\$13,843	\$13,843	
	Camera w/ link to MFT			1	\$8,652	\$8,652	
	Source 4 PARNel	2024		30	\$423	\$12,704	
	Source 4 Ellipsoidals	2024		30	\$594	\$17,811	
Founders Hall							
	Lighting Dimmer Rack	2013		1	\$32,939	\$32,939	
	Lighting Board			1	\$13,176	\$13,176	
Totals:						\$2,809,436	\$0

I.T. Equipment

Appendix B

Location	Equipment Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Funds Needed
Wickes Hall 220								
UPS-Computer Room								
	Batteries	2015	4	2019	1	\$16,838	\$16,838	\$4,209.56
	UPS	2007	15	2027	1	\$67,353	\$67,353	\$4,490.20
	A/C Capacitors	2007	8	2017	1	\$5,893	\$5,893	\$736.68
Document Imaging								
	Scanners			As Needed				\$6,276.72
Network Components								
	Wireless (ResNet)	2015	4	2019			\$1,036,869	\$259,217
	Closet Electronics	2015-2017	5	2020-2022			\$1,405,067	\$281,013
	Coset UPS	As Needed	3	As Needed			\$91,243	\$30,414
	VM Servers (includes Colleague Server)		5	+2 per year			\$114,054	\$22,811
	Major Network Components		5	2015-2016			\$798,166	\$159,633
	SAN		5	FY18			\$320,776	\$64,155
	NAC		5	2015			\$211,000	\$42,200
	VPN		5	2017			\$14,257	\$2,851
	Backup Solution	2015	5	2020			\$339,310	\$67,862
	Disaster Recovery (equipment)		5	2018			\$185,337	\$37,067
Campuswide								
Classrooms & Offices								
	Distance Ed Codecs	2014	5	2019			\$237,973	\$47,595
	Lab computers		5	Recycled after 5			\$2,158,254	\$431,651
	Faculty computers		4	Recycled after 4			\$544,670	\$136,167
	Classroom Technology		8	Ongoing			\$2,748,327	\$343,541
	ME458 Servers		3	2017			\$39,277	\$13,092
	Wireless (Classroom)	2015-2017	5	2018-2020			\$2,956,764	\$591,353
Gilbertson Hall (REC)								
	Ott Auditorium Technology - FY13		9				\$400,329	\$82,264
	Ott Auditorium Technology - FY14							\$104,740
	Ott Auditorium Technology - FY15							\$101,964
	Ott Auditorium Technology - Ongoing							\$44,481
Totals:					3		\$13,691,757	\$2,879,785

Parking Lots

Parking Lot	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
A	2024	2044	99,000	\$3.31	\$327,578	\$16,379
C	2012	2032	94,125	\$3.31	\$311,447	\$15,572
C1	2013	2033	82,700	\$3.31	\$273,643	\$13,682
D	2018	2038	112,000	\$3.31	\$370,593	\$18,530
E	2011	2031	193,000	\$3.31	\$638,612	\$31,931
F	2009	2029	221,250	\$3.31	\$732,087	\$36,604
H	2010	2030	107,250	\$3.31	\$354,876	\$17,744
J	2013	2033	138,000	\$3.31	\$456,624	\$22,831
J1	2019	2039	133,650	\$3.31	\$442,230	\$22,112
J2	2010	2030	141,100	\$3.31	\$466,881	\$23,344
J3	2017	2037	133,650	\$3.31	\$442,230	\$22,112
J4	2006	2026	50,400	\$3.31	\$166,767	\$8,338
K	2017	2037	84,150	\$3.31	\$278,441	\$13,922
L	2006	2026	102,600	\$3.31	\$339,490	\$16,974
R	2000	2020	88,900	\$3.31	\$294,158	\$14,708
Bookstore	2003	2023	16,000	\$3.31	\$52,942	\$2,647
Concessions	2006	2026	16,864	\$3.31	\$55,801	\$2,790
Continuing Education	1997	2017	3,600	\$3.31	\$11,912	\$596
Curtiss Hall Circle	2020	2040	16,079	\$3.31	\$53,203	\$2,660
Fine Arts Circle (West of Bldg.)	2023	2043	19,600	\$3.31	\$64,854	\$3,243
Fine Arts Drive (North of Bldg.)	2019	2039	29,700	\$3.31	\$98,273	\$4,914
Founders Hall	1994	2014	7,043	\$3.31	\$23,304	\$1,165
Fox Lot	2018	2038	4,800	\$3.31	\$15,864	\$793
Gilbertson Hall	2003	2023	300,000	\$3.31	\$992,660	\$49,633
Grounds	2024	2044	30,000	\$3.31	\$99,266	\$4,963
Pine Grove Central	2014	2034	28,800	\$3.31	\$95,295	\$4,765
Pine Grove East	1996	2016	14,400	\$3.31	\$47,648	\$2,382
Pine Grove West	2008	2028	53,000	\$3.31	\$175,370	\$8,769
Pioneer Hall - Service	2007	2027	11,400	\$3.31	\$37,721	\$1,886
Ryder Service	2007	2027	5,400	\$3.31	\$17,868	\$893
SCC-A	2011	2031	13,000	\$3.31	\$43,015	\$2,151
SCC-A South	2011	2031	10,800	\$3.31	\$35,736	\$1,787
SCC-C North	2013	2033	15,000	\$3.31	\$49,633	\$2,482
Univ. Village - Visitor Parking	2018	2038	13,500	\$3.31	\$44,670	\$2,233
Univ. Village I - East (addtn.)	2004	2024	6,000	\$3.31	\$19,853	\$993
Univ. Village I - East (original)	2023	2043	14,850	\$3.31	\$49,137	\$2,457
Univ. Village I - Southeast	2004	2024	32,000	\$3.31	\$105,884	\$5,294
Univ. Village II - South (addtn.)	2004	2024	33,000	\$3.31	\$109,193	\$5,460
Univ. Village II - South (original)	2001	2021	34,200	\$3.31	\$113,163	\$5,658
Univ. Village III	2005	2025	125,607	\$3.31	\$415,617	\$20,781
University HealthCare	2009	2029	20,000	\$3.31	\$66,177	\$3,309
University Village - West	2022	2042	64,800	\$3.31	\$214,415	\$10,721
University Village IV	2007	2027	37,000	\$3.31	\$122,428	\$6,121
West Complex / Doan (concrete)	1994	2014	13,500	\$3.31	\$44,670	\$2,233
Wickes Circle	2021	2041	29,025	\$3.31	\$96,040	\$4,802
Wickes Stadium VIP/Handicap	2016	2036	44,000	\$3.31	\$145,590	\$7,280
Totals:		Lifespan: 20 years	2,844,743		\$9,412,861	\$470,643

Roads

Appendix B

Area	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
College Dr.-West of Collings West	2004	2024	25,000	\$3.27	\$81,700	\$4,085
College Dr.-East of Collings West	2012	2032	115,000	\$3.27	\$375,822	\$18,791
Fox Drive	2012	2032	7,000	\$3.27	\$22,876	\$1,144
University Drive	2000	2020	42,000	\$3.27	\$137,257	\$6,863
South Campus Entrance Drive	2009	2029	28,000	\$3.27	\$91,505	\$4,575
Collings - East & North of Fox	2012	2032	70,000	\$3.27	\$228,761	\$11,438
Collings - West & North of Fox	2012	2032	70,000	\$3.27	\$228,761	\$11,438
Davis Road	2008	2028	64,000	\$3.27	\$209,153	\$10,458
Davis Road Walkway (Asphalt)	2016	2036	8,000	\$3.27	\$26,144	\$1,307
Drive to Football Field & Track	2006	2026	20,000	\$3.27	\$65,360	\$3,268
Non-Motorized Pathway	2011	2031	132,000	\$3.27	\$431,378	\$21,569
Pine Grove Lane	2010	2030	40,000	\$3.27	\$130,721	\$6,536
Pine Grove West Lane	2008	2028	26,000	\$3.27	\$84,968	\$4,248
Totals:		Lifespan: 20 years	647,000		2,114,408	105,720

Sidewalks

Area	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
Sidewalks - A	1999	2029	42,000	\$11.15	\$468,389	\$15,613
Sidewalks - B	2006	2036	166,506	\$11.15	\$1,856,893	\$61,896
Sidewalks - C	2010	2040	44,830	\$11.15	\$499,949	\$16,665
Sidewalks - D	2007	2037	149,040	\$11.15	\$1,662,111	\$55,404
Sidewalks - E	2005	2035	137,301	\$11.15	\$1,531,196	\$51,040
Sidewalks - F	2008	2038	60,000	\$11.15	\$669,127	\$22,304
Sidewalks - 2013	2013	2043	12,000	\$11.15	\$133,825	\$4,461
Sidewalks - Davis Road	2016	2046	6,000	\$11.15	\$66,913	\$2,230
Sidewalks - Pine Grove Central	2018	2048	10,500	\$11.15	\$117,089	\$3,903
Sidewalks - Pine Grove West	2008	2038	40,800	\$11.15	\$455,006	\$15,167
Sidewalks - Ryder Fieldhouse	2014	2044	13,000	\$11.15	\$144,977	\$4,833
Sidewalks - University HealthCare	2009	2039	1,000	\$11.15	\$11,152	\$372
Sidewalks - Health Science	2010	2040	17,000	\$11.15	\$189,586	\$6,320
Sidewalks - C-Lot	2010	2040	7,600	\$11.15	\$84,756	\$2,825
Wickes Stadium - Concrete	2011	2041	19,971	\$11.15	\$222,719	\$7,424
Totals:		Lifespan: 30 years	727,548		\$8,113,688	\$270,456

Exterior Facilities and Appurtenances

Appendix B

Area	Install Date	Average Replacement Date	Sq. Ft. or Unit	Cost per Sq. Ft. or Unit	Total Replacement Cost	Annual Cost
Landscaping						
Planting Beds	2005	2025	204,200	\$9.83	\$2,007,549	\$100,377
International Sculpture Gardens	2007	2037	4,000	\$140.43	\$561,702	\$18,723
Museum Gardens	2013	2043	15,000	\$26.73	\$400,945	\$13,365
Athletic Fields						
Soccer	2022	2032	103,575	\$9.42	\$975,181	\$97,518
Tennis Courts Construction	2010	2030	6 Courts	\$144,109	\$864,652	\$43,233
Tennis Courts Resurfacing	2022	2030	6 Courts	\$15,545	\$93,269	\$11,659
Wickes Football Field Turf	2022	2032	86,721	\$11.28	\$978,291	\$97,829
Softball / Baseball Fields	1990	2020	430,000	\$1.55	\$667,493	\$22,250
Intramural Fields East	2016	2046	492,000	\$0.44	\$214,382	\$7,146
Intramural Fields West	2008	2038	246,000	\$0.44	\$107,191	\$3,573
Housing Recreational Fields	2005	2025	3 b-ball/3 v-ball	\$33,441	\$200,648	\$10,032
Ryder Center - Fieldhouse Turf	2015	2025	46,500	\$15.59	\$725,014	\$72,501
Outdoor Facilities						
Football Stadium Bleacher Area	1995	2030	17,800	\$62.64	\$1,114,939	\$31,855
Amphitheatre & Bell Tower	1996	2046			\$1,031,234	\$20,625
Soccer Bleachers	2007	2042	200	\$62.64	\$12,527	\$358
Baseball Bleachers	2007	2042	4,500	\$62.64	\$281,867	\$8,053
Softball Bleachers	2007	2042	2,400	\$62.64	\$150,329	\$4,295
Site Furnishings						
Benches	2009	2024	82	\$3,344	\$274,230	\$18,282
Trash Cans	2009	2024	160	\$892	\$142,703	\$9,514
Directory Signs	1990	2020	15	\$5,573	\$83,600	\$2,787
Information Kiosks	1990	2020	2	\$11,147	\$22,293	\$743
University Village Signs	2009	2024	2	\$4,459	\$8,919	\$595
Pine Grove Signs	2009	2024	1	\$4,459	\$4,459	\$297
Campuswide Wayfinding Signs	2016	2036	1	\$313,185	\$313,185	\$15,659
Main Entrance Sign	2004	2024	1	\$780,302	\$780,302	\$39,015
Cardinal Events Sign	2012	2022	1	\$99,981	\$99,981	\$9,998
College Drive Electronic Sign	2016	2031	1	\$68,084	\$68,084	\$4,539
I Love SVSU Sign	2014	2034	1	\$11,919	\$11,919	\$596
Bicycle Racks	2007	2027	97	\$464	\$45,040	\$2,252
Night/Day Fountain	1987	2037	1	\$181,784	\$181,784	\$3,636
Gazelle Fountain	1975	2025	1	\$136,338	\$136,338	\$2,727
North & South Pond Fountains	2011	2021	2	\$31,491	\$62,983	\$6,298
Otter Fountain	2013	2063	1	\$24,057	\$24,057	\$481
Secondary Entrance Signs	2007	2027	3	\$21,814	\$65,442	\$3,272
University HealthCare Signs	2009	2029	2	\$48,448	\$96,897	\$4,845
Totals:	Lifespan: Varies				\$12,809,427	\$688,928

Site Data / Telecommunications

Description	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Duct Banks	1966	2046	Included in 8320 Volt System	
Copper Cables	1985	2035	\$512,499	\$10,250
Fiber	1996	2046	\$518,749	\$10,375
Aerial Fiber (24 Miles)	2005	2055	\$619,287	\$12,386
Totals:	Lifespan: 50 or 80 years		\$1,650,534	\$33,011

Site Lighting

Description	Average Install Date	Average Replacement Date	Linear Feet or Count	Cost per Unit	Total Replacement Cost	Annual Cost
Raceways	2005	2035	81,530	\$18.41	\$1,500,954	\$50,032
Fixtures	2013	2043	1,100	\$4,459	\$4,905,431	\$163,514
Totals:	Lifespan: 30 years		82,630		\$6,406,385	\$213,546