



**SAGINAW VALLEY**  

---

**STATE UNIVERSITY.**

**Five-Year Capital Outlay Plan**

**FY 2025 – FY 2029**

A handwritten signature in blue ink, reading "George Grant Jr.", positioned above a horizontal line.

**George Grant Jr.**  
**President**

## 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

### Undergraduate Degrees

### Graduate Degrees & Certificates

#### COLLEGE OF ARTS & BEHAVIORAL SCIENCES

Bachelor of Arts (B.A.)  
 Bachelor of Fine Arts (B.F.A.)  
 Bachelor of General Studies (B.G.S.)

Master of Arts

- Master of Public Administration
- Public Administration (M.A.) Certificate
- Student Affairs Administration Certificate

#### SCOTT L. CARMONA COLLEGE OF BUSINESS

Bachelor of Arts (B.A.)  
 Bachelor of Business Administration (B.B.A.)  
 Bachelor of Professional Accountancy (B.P.A.)

Master of Business Administration (M.B.A.)

#### COLLEGE OF EDUCATION

Bachelor of Arts (B.A.)  
 Bachelor of Science (B.S.)

Education Specialist – Educational Leadership (Ed.S.)  
 Master of Arts in Teaching

- Early Childhood Classroom Teaching (M.A.T.)
- K-12 Literacy Specialist (M.A.T.)
- Special Education (M.A.T.)

Master of Education - Principalship (M.Ed.)  
 Master of Arts

- Technology Learning Systems and Design (M.A.)
- Teaching Chinese as a Foreign Language (M.A.)

Teacher Certification Program  
 Endorsements

- Autism Spectrum Disorder (K-12) Endorsement
- Cognitive Impairment (K-12) Endorsement
- Learning Disabilities (K-12) Endorsement

Certificate

- Accelerated Certificate with Residency
- Online Training & Design Certificate

Specialization

- Urban Teaching Specialization

#### CRYSTAL M. LANGE COLLEGE OF HEALTH & HUMAN SERVICES

Bachelor of Science (B.S.)  
 Bachelor of Science in Nursing (B.S.N.)  
 Bachelor of Social Work (B.S.W.)

Doctor of Nursing Practice (D.N.P.)  
 Master of Science in Nursing (M.S.N.)  
 Master of Science in Occupational Therapy (M.S.O.T.)  
 Master of Social Work (M.S.W.)  
 Master of Science (M.S.)

- Master in Public Health (M.S.)
- Health Administration & Leadership (M.S.)

Post-Graduate Certificate

- Psychiatric Mental Health Nurse Practitioner
- Primary Care Family Nurse Practitioner Certificate
- Nursing Administration Certificate
- Nursing Education Certificate

Certificate

- Health Administration Leadership Certificate

#### COLLEGE OF SCIENCE, ENGINEERING, TECHNOLOGY

Bachelor of Science (B.S.)  
 Bachelor of Science in Computer Engineering  
 (B.S.Cp.E)  
 Bachelor of Science in Electrical Engineering (B.S.E.E.)  
 Bachelor of Science in Mechanical  
 Engineering (B.S.M.E.)

Master of Science (M.S.)

- Computer Science & Information Systems (M.S.)

- a) See above list for degree offerings by college, also see **Appendix A** for a list of academic programs by college for undergraduate and graduate programs.
- b) 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 eight consecutive years.
- c) 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.

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.

- d) SVSU hosts several centers of excellence: The Stevens Center for Family Business, the Small Business Development Center, Lake Huron Region and the MMTC, Northeast. The SBDC served 938 clients last year, creating 196 jobs, 51 new businesses and a total capital formation of over \$13 million. The MMTC created 960 jobs, and reported new sales of \$42.5 million.

### III. Staffing and Enrollment

#### Student Enrollment – Fall 2023

<u>College</u>	<u>Full-Time</u>	<u>Part-Time</u>	<u>Total</u>
College of Arts & Behavioral Sciences	1,133	211	1,344
College of Business & Management	916	109	1,025
College of Education	512	272	784
College of Science, Engineering & Technology	1,058	215	1,273
Crystal M. Lange College of Health & Human Services	1,765	487	2,252
Others			
Undeclared/Non-Degree	<u>159</u>	<u>52</u>	<u>211</u>
<b>Totals</b>	<b><u>5,543</u></b>	<b><u>1,346</u></b>	<b><u>6,889</u></b>

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

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

#### Enrollment over the last five years:

Fall Semester 2019	8,265
Fall Semester 2020	8,030
Fall Semester 2021	7,523
Fall Semester 2022	7,147
Fall Semester 2023	6,889
(Projected*) Fall Semester 2024	6,750

\*SVSU has experienced declining enrollment due in part to the decline in high school graduates. Given the anticipated high school graduation figures over the next several years, the university expects our enrollment to be in this general range for the next few years.

## Faculty/Staff Student Credit Hour Ratio – Fall 2023

	<u>FTE</u>	<u>Credit Hours (CH)</u>	<u>Ratio: CH/FTE</u>
<b><u>College of Arts &amp; Behavioral Sciences</u></b>			
Faculty	129.8	32,428	247
Administrative/Secretarial	6.95		5,316
<b><u>Scott L. Carmona College of Business</u></b>			
Faculty	34.6	9,667	266
Administrative/Secretarial	10.95		1,039
<b><u>College of Education</u></b>			
Faculty	27.3	5,777	201
Administrative/Secretarial	10.8		490
<b><u>College of Science, Engineering &amp; Technology</u></b>			
Faculty	88.8	21,968	235
Administrative/Secretarial	18.3		1,417
<b><u>Crystal M. Lange College of Health &amp; Human Services</u></b>			
Faculty	66.2	14,958	213
Administrative/Secretarial	25.4		671

### Fall 2023 Average Class Size: 22.34.

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 C** for our Facilities Assessment & Deferred Maintenance Capital Planning Report.

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/>.

The University updated its Campus Master Plan in 2012. It can be accessed at <https://www.svsu.edu/campusfacilities/>. While there have been some deviations, this plan still guides future planning.

The following are 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 I	8/31/2055

*\* per March 2022 State Building Authority FY2021 Project Cost Summary Report*

## V. Implementation Plan

**SAGINAW VALLEY STATE UNIVERSITY  
FY2025 CAPITAL OUTLAY PROJECT REQUEST  
LAKE HURON ENVIRONMENTAL SCIENCES RESEARCH STATION**

**Priority Rank #1**

Does Authorization for this Project exist in any Public Act?	No
Is the Project for Instructional Purposes?	Yes
Is the Project a Renovation or New Construction?	New Construction
Are a Professional Program Statement and/or Schematics available?	No
Are required Match Resources currently available?	Yes

### **A. Project Description Narrative**

Saginaw Valley State University (SVSU) is seeking \$8.25 million in state support to assist with a 10,000 sq. ft. building.

The proposed Lake Huron Environmental Sciences Research Station will be a multi-purpose research facility that contains traditional, general-purpose classrooms, larger meeting spaces, along with research laboratories, and faculty offices. This capital improvement project is intended to construct the first university environmental sciences research station on Lake Huron to assist with providing data and information for various academic and research purposes.

#### **Describe the scope of the project.**

A Lake Huron Environmental Sciences Research Station which is located on the waters of the Saginaw Bay and operated by SVSU will offer many various collaborative opportunities with local, state, and federal partners (County Public Health, EGLE, EPA, USGS, NOAA, TNC, MSU-IWR, etc.). Saginaw Bay and Lake Huron are very important in the Great Lakes ecosystem and economy. Currently, no university-operated research station exists on Lake Huron.

The ecosystem dynamics on Lake Huron are not well understood because of large data gaps for the Lake and various watersheds. Various projects at SVSU, including a recent EPA-funded project, are working to address major data gaps on Lake Huron. This Research Station will involve multiple agencies to study nutrient and sediment transport from tributaries to open water, which would provide key information for the EPA's anticipated delisting of the Saginaw River and Bay Area of Concern by 2030.



A research station on Lake Huron would complement the efforts of many various agencies and universities by enabling direct access for onsite, real-time observations of the Lake and its ecosystem. The real-time observations and monitoring afforded by an on-site research station will provide data and information necessary to adaptively manage the ecosystem for resiliency to various changes. Along with the research activities related to Lake Huron restoration, a research station would serve as an outreach site for the community to showcase the ecosystem and the efforts of the Saginaw Bay Environmental Science Institute of SVSU.

The station would also serve as an educational setting for SVSU classes as well as visiting high-school student programs. Students in the Environmental Science and the Environmental & Sustainability programs at SVSU will benefit from classes held on-site at the Research Station, taking advantage of the direct access to the ecosystem they are studying. Similarly, experiential programs that bring high school students to the Research Station, such as summer internships, will benefit from the accessibility to Lake Huron. The availability of the research station as a teaching location will benefit students at all levels and showcase environmental science education on Lake Huron.

The station would also serve as an educational center for K-12 programs, hosted by SVSU or other entities. Engaging K-12 students with environmental science and STEM benefits the region in numerous ways, including providing the initial stages of workforce development in these areas.

#### **B. Other Alternatives Considered**

The only alternative to this project is to continue with our research and studies through our on-campus sites in University Center. This requested project is preferable because it is located off-site, next to the natural resource which the academic programs and researchers would be studying.

#### **C. Programmatic Benefit to State Taxpayers and Specific Clientele or Constituencies**

The creation of the first environmental sciences research station on Lake Huron is going to be a magnet for freshwater researchers from all over the world. As well, this research station will attract the brightest undergraduate students to want to study environmental sciences at SVSU. Finally, students enrolled in the program will be entering some of the highest demand jobs in Michigan. An investment in SVSU is really an investment in the future success of Mid-Michigan. Students who complete coursework in this research station will likely go onto work for companies and organizations which seek graduates in environmental sciences: EPA, EGLE, County Departments of Public Health, Dow, DuPont, as well as many various small organizations and companies located in our Region and State.

#### **D. Match Resources**

SVSU will commit University resources of \$2.75 million (25%) from capital project reserves, however we will also be seeking alternate funding.

**Capital Outlay Project Request  
Lake Huron Environmental Sciences Research Station  
Project Budget**

Professional Fees	\$ 936,000
Construction Costs	8,575,000
Equipment & Technology	1,218,000
Furniture	220,000
Miscellaneous	51,000
<b>Total</b>	<b><u>\$ 11,000,000</u></b>

**Line Item Construction Program Summary  
Saginaw Valley State University**

<u>Rank</u>	<u>Project Description</u>	<u>Gross Square Feet</u>	<u>Total Project Cost</u>	<u>State Funds</u>	<u>State Funds Expended to Date</u>	<u>Estimated Construction Start</u>	<u>Estimated Construction Complete</u>	<u>Status</u>
1	Lake Huron Environmental Sciences Research Station	10,000	\$ 11,000,000	\$ 8,250,000	--	May 2025	Aug. 2027	A
*	Brown Hall Renovation	64,000	\$28,845,000	\$21,800,000	--	May 2024	Aug. 2025	*

Codes for Status Column:

- A = Not Yet Authorized
- B = Planning - Program Statement
- C = Schematic/Preliminary Plans
- D = Final Design
- E = Under Construction

\*Project approved per Public Act No. 166 Public Act of 2022. Project moved directly to construction authorization. We are currently in the construction document (CD) phase.

**Saginaw Valley State University  
Capital Outlay Plan  
FY 2025 - FY 2029**

	Project Period	Project Cost Estimate	Funding Sources			
			General Fund	State of Michigan	Self Supporting	Other
<b><u>Academic and Other Facilities</u></b>						
Lake Huron Environmental Sciences Research Station	FY24-FY27	\$ 11,000,000		\$ 8,250,000		\$ 2,750,000
Science West Renovation	FY28-FY29	14,000,000		10,500,000		3,500,000
<b><u>Major Expansion, Maintenance &amp; Renovation</u></b>						
Energy Conservation Initiatives	FY25-FY29	3,000,000				3,000,000
Campus Infrastructure/Deferred Maintenance	FY25-FY29	42,225,000			\$ 21,150,000	21,075,000
		<u>\$ 70,225,000</u>	<u>\$ -</u>	<u>\$ 18,750,000</u>	<u>\$ 21,150,000</u>	<u>\$ 30,325,000</u>

## PROGRAMS OF STUDY

**OFFERED AS:** ■ Minor ■ Certificate  
 ■ Endorsement □ Concentration

## ARTS &amp; BEHAVIORAL SCIENCES

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

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

## BUSINESS

Accounting  
 Economics  
 Entrepreneurship ■ ■  
 Finance  
 General Business  
 International Business ■  
 Legal Studies ■

Management  
 Family Business Management □  
 Human Resource Management □  
 Marketing  
 Professional Accountancy (B.P.A.)  
 Professional Sales ■ □  
 Supply Chain Management

## EDUCATION

## Early Childhood &amp; 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 Disorders
- Cognitive Impairments
- Learning Disabilities

## PreK-12 Specialty Areas and Additional Endorsements:

- English as a Second Language
- Health and Physical Education
- Music Education
- Visual Arts Education
- World Languages (Spanish or French)

## HEALTH &amp; HUMAN SERVICES

Athletic Coaching ■  
 Child Welfare ■  
 Emergency Management ■  
 Exercise Promotion ■  
 Exercise Science  
 Gerontology ■  
 Health Science  
 Juvenile Delinquency ■  
 Long Term Care ■  
 Long Term Care  
 Administrator ■  
 Medical Laboratory  
 Science

Neuroscience  
 Nursing  
 Nursing - A.D.N. to B.S.N.  
 Nursing - R.N. to B.S.N.  
 Nursing - R.N. to M.S.N.  
 Occupational Therapy  
 Pre-Athletic Training  
 Pre-Physical Therapy  
 Public Health  
 Rehabilitation Medicine  
 Social Work  
 Youth Services ■

## SCIENCE, ENGINEERING &amp; TECHNOLOGY

Actuarial Science ■  
 Agricultural Studies ■  
 Alternative Energy ■  
 Applied Mathematics  
 Biochemistry  
 Biological Sciences  
 Business Chemistry  
 Cell Biology, Molecular  
 Biology & Biomedical  
 Sciences  
 Chemical Physics  
 Chemistry  
 American Chemical  
 Society (ACS) ■  
 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  
 Mechanical Engineering  
 Optical Physics  
 Physics  
 Pre-Agriculture  
 Pre-Chiropractic Medicine  
 Pre-Dentistry  
 Pre-Medicine  
 Pre-Optometry  
 Pre-Pharmacy  
 Pre-Physician Assistant  
 Pre-Podiatry  
 Pre-Veterinary Medicine



SAGINAW VALLEY STATE UNIVERSITY

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 those 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.

## Graduate Degrees and Certificate Programs

### Business & Technology

- ▶ Business Administration (MBA)
  - ▶ Health Administration
  - ▶ Entrepreneurship
- ▶ Computer Science & Information Systems (MS)
- ▶ Technology Learning Systems & Design (MA)
- ▶ Certificates:
  - ▶ International Business Certificate
  - ▶ Online Training & Design Certificate  
*(Certificate earned as part of degree completion)*

### Public Service, Government & Non-Profit

- ▶ Public Administration (MPA)
  - ▶ University & College Student Affairs
- ▶ Certificate
  - ▶ Student Affairs Administration Certificate  
*(Certificate earned as part of degree completion)*

### Health

- ▶ Health Administration & Leadership (MHA)
- ▶ Occupational Therapy (MSOT)
- ▶ Social Work (MSW)
- ▶ Public Health (MPH)
- ▶ Certificates
  - ▶ Public Health Certificate *(Post-Baccalaureate)*
  - ▶ Health Administration Leadership Certificate *(certificate earned as part of your MHA degree completion)*

### Nursing

- ▶ Doctor of Nursing Practice (DNP)
- ▶ Master of Science in Nursing (MSN)
  - ▶ Dual Nursing Education/Nursing Administration
  - ▶ Nursing Administration
  - ▶ Nursing Education
  - ▶ Primary Care Family Nurse Practitioner
- ▶ Certificates *(Post-Graduate)*
  - ▶ Dual Nursing Education/Nursing Administration
  - ▶ Nursing Administration Certificate
  - ▶ Nursing Education Certificate
  - ▶ Primary Care Family Nurse Practitioner
  - ▶ Psychiatric Mental Health Nurse Practitioner Post Graduate (PMHNP) Certificate

### Education

- ▶ Early Childhood Classroom Teaching (MAT)
- ▶ Education Specialist - Educational Leadership (EdS)
- ▶ K-12 Literacy Specialist (MAT)
- ▶ Principalship (MEd)
- ▶ Special Education (MAT)
- ▶ Technology Learning Systems & Design (MA)
- ▶ Teacher Certifications and Endorsements
  - ▶ Accelerated Route to Teacher Certification
  - ▶ Traditional Route to Teacher Certification
  - ▶ Ascend Leadership Academy Program: Principalship Administrator Certification
  - ▶ Autism Spectrum Disorder (K-12) Endorsement
  - ▶ Cognitive Impairment (K-12) Endorsement
  - ▶ Learning Disabilities (K-12) Endorsement
  - ▶ Urban Teaching Specialization
- ▶ Certificates
  - ▶ Applied Behavior Analysis in Special Education *(Post-Graduate)*
  - ▶ Online Training & Design

<https://www.svsu.edu/graduateprograms/>

<b>Major</b>	<b>Full time</b>	<b>Part time</b>	<b>Grand Total</b>
Accounting	150	15	165
Add Major/Minor Endr	1	7	8
Applied Mathematics	10	2	12
Art	24	5	29
Biochemistry	55	9	64
Biological Science	37	9	46
Biology	7	12	19
Biology Education	10	1	11
Business-Chemistry	9	1	10
Cell, Molecular, Biomedical	114	9	123
Central Office Administrative		5	5
Chemistry	27	9	36
Chemistry ACS	1	1	2
Chemistry Education	1		1
Comm/Theatre Educ	4		4
Communication	83	12	95
Computer Engineering	13	2	15
Computer Info Syst	64	19	83
Computer Science	157	35	192
Computer Science and Info Syst	27	10	37
Creative Writing	31	8	39
Criminal Justice	189	26	215
Directorship of Special Educ	3	23	26
Early Childhood	4	24	28
Early Childhood Education	8	4	12
Early Childhood Endorsement		5	5
Ecology, Evolution & Organism	37	7	44
Economics	16	3	19
Electrical Engineer	79	15	94
Elementary Education		3	3
Engineering Tech Mgt	33	14	47
English Education	70	3	73
English Language Arts	5	1	6
Enviro Studies& Sustainability	14	2	16
Environmental Science Major	35	6	41
Exercise Science	197	17	214
Family Business Management		1	1
Family Nurse Practitioner		12	12
Finance	130	13	143
Fine Arts	16	4	20
French		1	1
French Education	1		1
General Business	201	18	219
General Studies	13	24	37
Geography	5	1	6
Graphic Design	121	15	136

<b>Major</b>	<b>Full time</b>	<b>Part time</b>	<b>Grand Total</b>
Guest Student	16	9	25
Health & Physical Ed K-12	53		53
Health Admin & Leadership	1	25	26
Health Science	49	12	61
High School Student	26	16	42
History	30	5	35
History Education	26	5	31
Integrated Science Secondary	9	1	10
International Studies	12	2	14
Internatnl Business	25	3	28
K-12 Literacy Specialist		11	11
Literature	20	2	22
Management	142	10	152
Marketing	166	9	175
Master of Social Work	53	10	63
Mathematics	5	2	7
Mathematics Educ	27	3	30
MBA	29	31	60
Mechanical Engineer	176	36	212
Medical Laboratory Science	50	12	62
Music	7	2	9
Music Education	36	3	39
Neuroscience	16	5	21
Nurse Admin/Nurse Educ		11	11
Nurse Administrator		3	3
Nurse Educator		7	7
Nursing	324	88	412
Occupational Therapy	95	55	150
Physical Education, K-12	1		1
Physics	8	4	12
Physics Education	1		1
Pol Sci-Public Admin	6		6
Political Science	39	5	44
Post-Baccalaureate		18	18
Pre-Agriculture	2	1	3
Pre-Business	6	1	7
Pre-Health Professions	123	8	131
Pre-Law	17	1	18
Pre-Nursing	430	25	455
Pre-Occuptnl Therapy	105	7	112
Pre-Physical Therapy	25		25
Pre-Secondary Educ	13		13
Pre-Social Work	105	20	125
Prim Care Fam Nurse Pract		57	57
Principalship		14	14
Prof Educ Cert		3	3



<b>Major</b>	<b>Full time</b>	<b>Part time</b>	<b>Grand Total</b>
Prof Educ Cert Renwl		1	1
Professional/Technical Writing	27	3	30
Provisional Cert	14	33	47
Psychology	280	44	324
Public Administration	11	24	35
Public Health	69	10	79
Public Health - Master	2	33	35
Rehabilitation Medicine	63	5	68
Social Studies Major 6-12	55	9	64
Social Work	127	12	139
Sociology	12	6	18
Spanish	1	2	3
Spanish Education	2	1	3
Special Education	8	62	70
Supervisor of Special Educ		20	20
Supply Chain Management	51	5	56
Teacher Education	396	34	430
Tech Learning Systems & Design	1	13	14
Theatre	12	3	15
Undeclared	117	8	125
Visual Arts Education	19	1	20
(blank)		62	62
<b>Grand Total</b>	<b>5543</b>	<b>1346</b>	<b>6889</b>



**Facilities Assessment**  
Deferred Maintenance Capital Planning  
Updated - October 6, 2023

# Deferred Maintenance

## Index

Page	Category	Total Replacement Cost
3.	Roofs	\$13,670,430
4.	Structure / Glazing / Cladding	\$168,159,297
5.	Ceilings / Doors / Frames	\$49,529,261
6.	Carpet	\$12,176,907
7.	Furniture	\$31,163,922
8.	Plumbing / Electrical	\$119,727,199
9.	Lighting	\$76,661,099
10.	HVAC	\$115,077,803
11.	Furnaces / Condensing Units	\$5,469,951
12.	Water Heaters	\$359,190
13.	Appliances	\$3,834,214
14.	Boilers	\$15,798,506
15.	Chillers / Cooling Towers	\$6,154,494
16.	Utilities	\$23,219,076
17.	8320 Volt System	\$29,158,483
18. - 22.	Food Service Equipment	\$1,715,844
23.	AV Equipment	\$2,709,196
24.	I.T. Equipment	\$13,203,237
25.	Parking Lots	\$9,077,012
26.	Roads	\$2,038,966
27.	Sidewalks	\$7,824,193
28.	Exterior Facilities / Furnishings	\$12,389,183
29.	Site Data / Telecommunications	\$1,591,643
30.	Site Lighting	\$6,177,806
<b>Totals:</b>		<b>\$726,886,914</b>

## Roofs

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	\$8.60	\$558,188	\$37,213
Athletic Football Concessions Bldgs.	2015	2045	1,800	\$8.60	\$15,481	\$516
Athletic Storage Bldgs. East & West	2015	2045	3,400	\$8.60	\$29,243	\$975
Bell Tower	--	--	--	--	--	--
Brown Hall	1999	2019	27,000	\$8.60	\$232,220	\$11,611
Campus Recreation Center/Fitness Center	2010	2030	35,000	\$8.60	\$301,026	\$15,051
Carmona College of Business	2020	2035	13,639	\$23.62	\$322,160	\$21,477
Children's Center	2008	2023	2,900	\$7.52	\$21,820	\$1,455
Concession Building	2006	2026	3,312	\$8.60	\$28,486	\$1,424
Doan Center	2008	2028	46,300	\$8.60	\$398,214	\$19,911
Founders Hall	1995	2025	8,400	\$7.52	\$63,202	\$2,107
Gilbertson Hall (REC)	2004	2024	69,700	\$8.60	\$599,471	\$29,974
Great Lakes A - E	2006	2026	19,000	\$8.60	\$163,414	\$8,171
Grounds Building	2002	2052	6,500	\$22.49	\$146,206	\$2,924
Hamilton Gym	2023	2043	22,500	\$8.60	\$193,517	\$9,676
Bachand Hall	2010	2030	71,433	\$8.60	\$614,377	\$30,719
Living Center North (Brandimore House)	1999	2019	44,000	\$7.52	\$331,056	\$16,553
Living Center South	2023	2043	44,000	\$7.52	\$331,056	\$16,553
Living Center Southwest	2009	2029	35,000	\$7.52	\$263,340	\$13,167
Observatory	--	--	--	--	--	--
Pine Grove Central	2002	2022	27,000	\$7.52	\$203,148	\$10,157
Pine Grove East	2015	2045	21,200	\$7.52	\$159,509	\$5,317
Pine Grove West	2008	2028	38,000	\$7.52	\$285,912	\$14,296
Pioneer Hall	2023	2043	46,500	\$8.60	\$399,934	\$19,997
Ryder Center	2013	2033	152,800	\$8.60	\$1,314,193	\$65,710
Ryder Center - Fieldhouse	2014	2064	144,000	\$8.60	\$1,238,506	\$24,770
Science Building - East	2018	2033	46,000	\$8.60	\$395,634	\$26,376
Science Building - West	1999	2019	32,400	\$8.60	\$278,664	\$13,933
Soccer Pressbox	2017	2037	312	\$8.60	\$2,683	\$134
Softball Pressbox	2016	2036	240	\$8.60	\$2,064	\$103
South Campus Complex - Bldg. A	1993	2043	27,300	\$22.49	\$614,065	\$12,281
South Campus Complex - Bldg. B ('66)	2022	2037	19,300	\$8.60	\$165,994	\$11,066
South Campus Complex - Bldg. C ('68)	2021	2036	20,400	\$8.60	\$175,455	\$11,697
Student Center	2003	2023	34,000	\$8.60	\$292,425	\$14,621
Studio	2006	2026	9,900	\$8.60	\$85,147	\$4,257
Tranquil Hall F & G	1995	2015	7,100	\$8.60	\$61,065	\$3,053
University HealthCare	2009	2029	15,520	\$8.60	\$133,483	\$6,674
University Village I	2023	2043	51,100	\$7.52	\$384,477	\$19,224
University Village II	2001	2021	71,200	\$7.52	\$535,709	\$26,785
University Village III	2005	2025	47,312	\$7.52	\$355,976	\$17,799
University Village IV	2007	2027	41,500	\$7.52	\$312,246	\$15,612
West Complex	2013	2033	124,200	\$8.60	\$1,068,212	\$53,411
Wickes Hall	2015	2035	40,200	\$8.60	\$345,750	\$17,287
Wickes Memorial Stadium	1991/2014	2011/2034	1,600	\$8.60	\$13,761	\$688
Zahnow Amphitheatre	--	--	--	--	--	--
Zahnow Library	2003	2023	27,200	\$8.60	\$233,940	\$11,697
<b>Totals:</b>		<b>Lifespan: 15, 20, 30 or 50 yrs</b>	<b>1,565,068</b>		<b>\$13,670,430</b>	<b>\$646,422</b>

## Structure / Glazing / Cladding / Walls

<b>Building</b>	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1990	2065	\$7,781,078	\$103,748
Bell Tower	1998	2073	\$82,555	\$1,101
Brown Hall	1986	2061	\$4,736,576	\$63,154
Campus Recreation Center/Fitness Center	2007	2082	\$3,480,829	\$46,411
Carmona College of Business	2020	2095	\$7,172,394	\$95,632
Children's Center	1980	2055	\$120,073	\$1,601
Concession Building	2006	2081	\$364,482	\$4,860
Doan Center	1983	2058	\$3,625,000	\$48,333
Founders Hall	1995	2070	\$441,205	\$5,883
Gilbertson Hall (REC)	2003	2078	\$10,264,104	\$136,855
Great Lakes A - E	1974	2049	\$3,646,443	\$48,619
Grounds Building	2002	2077	\$322,483	\$4,300
Hamilton Gym	1971	2046	\$2,673,380	\$35,645
Bachand Hall	2010	2085	\$8,164,550	\$108,861
Living Center North (Brandimore House)	1999	2074	\$6,769,855	\$90,265
Living Center South	2004	2079	\$6,769,855	\$90,265
Living Center Southwest	2009	2084	\$5,089,074	\$67,854
Observatory	1973	2048	\$38,053	\$507
Pine Grove Central	1995	2070	\$1,631,966	\$21,760
Pine Grove East	1997	2072	\$805,055	\$10,734
Pine Grove West	2008	2083	\$2,518,841	\$33,585
Pioneer Hall	2007	2082	\$5,200,072	\$69,334
Ryder Center	1989	2064	\$15,599,326	\$207,991
Ryder Center - Fieldhouse	2014	2089	\$5,028,350	\$67,045
Science Building - East	2001	2076	\$6,879,643	\$91,729
Science Building - West	1990	2065	\$4,299,777	\$57,330
Soccer Pressbox	2017	2092	\$225,531	\$3,007
Softball Pressbox	2010	2085	\$61,354	\$818
SCC-A	1986	2061	\$1,755,132	\$23,402
SCC-B	1970	2045	\$1,102,426	\$14,699
SCC-C	1968	2043	\$1,182,258	\$15,763
Student Center	2003	2078	\$3,097,452	\$41,299
Studio	2006	2081	\$848,776	\$11,317
Tranquil Hall F & G	1974	2049	\$2,158,281	\$28,777
University HealthCare	2009	2084	\$1,209,698	\$16,129
University Village I	2022	2097	\$2,948,646	\$39,315
University Village II	2001	2076	\$3,931,526	\$52,420
University Village III	2005	2080	\$2,621,018	\$34,947
University Village IV	2007	2082	\$2,293,390	\$30,579
West Complex	1996	2071	\$15,656,933	\$208,759
Wickes Hall	1972	2047	\$6,450,295	\$86,004
Wickes Memorial Stadium	1991	2066	\$352,771	\$4,704
Zahnnow Amphitheatre	--	--	--	--
Zahnnow Library	2002	2077	\$8,758,792	\$116,784
<b>Totals:</b>	<b>Lifespan: 75 years</b>		<b>\$168,159,297</b>	<b>\$2,242,124</b>

## Ceilings / Doors / Floors

<b>Building</b>	Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2010	2040	\$2,178,021	\$72,601
Bell Tower	--	--	--	
Brown Hall	1987	2017	\$1,052,574	\$35,086
Campus Recreation Center/Fitness Center	2007	2037	\$988,519	\$32,951
Carmona College of Business	2020	2050	\$1,410,535	\$47,018
Concession Building	2006	2036	\$82,547	\$2,752
Doan Center	2005	2035	\$1,074,073	\$35,802
Founders Hall	1995	2025	\$163,409	\$5,447
Gilbertson Hall (REC)	2005	2035	\$3,041,216	\$101,374
Great Lakes A - E	2008	2038	\$1,080,426	\$36,014
Grounds Building	2002	2032	\$85,996	\$2,867
Hamilton Gym	2005	2035	\$829,669	\$27,656
Bachand Hall	2010	2040	\$2,267,931	\$75,598
Living Center North (Brandimore House)	1999	2029	\$2,005,880	\$66,863
Living Center South	2004	2034	\$2,005,880	\$66,863
Living Center Southwest	2009	2039	\$1,660,206	\$55,340
Observatory	1973	2003	\$1,935	\$65
Pine Grove Central	1988	2018	\$483,547	\$16,118
Pine Grove East	1997	2027	\$238,537	\$7,951
Pine Grove West	2008	2038	\$808,412	\$26,947
Pioneer Hall	2007	2037	\$1,445,176	\$48,173
Ryder Center	1992	2022	\$5,916,985	\$197,233
Ryder Center - Fieldhouse	2014	2044	\$574,669	\$19,156
Science Building - East	2001	2031	\$3,095,839	\$103,195
Science Building - West	1997	2027	\$1,375,929	\$45,864
Soccer Pressbox	2017	2047	\$3,759	\$125
Softball Pressbox	2007	2037	\$3,857	\$129
SCC-A	1987	2017	\$464,595	\$15,486
SCC-B	1979	2009	\$259,393	\$8,646
SCC-C	1984	2014	\$278,178	\$9,273
Student Center	2003	2033	\$917,763	\$30,592
Studio	2006	2036	\$242,508	\$8,084
Tranquil Hall F & G	2008	2038	\$539,571	\$17,986
University HealthCare	2009	2039	\$333,710	\$11,124
University Village I	2000	2030	\$873,674	\$29,122
University Village II	2001	2031	\$1,164,898	\$38,830
University Village III	2005	2035	\$776,599	\$25,887
University Village IV	2007	2037	\$679,524	\$22,651
West Complex	1997	2027	\$4,850,707	\$161,690
Wickes Hall	2012	2042	\$1,911,200	\$63,707
Wickes Memorial Stadium	1991	2021	\$32,815	\$1,094
Zahnaw Amphitheatre	--	--	--	
Zahnaw Library	2004	2034	\$2,328,599	\$77,620
<b>Totals:</b>		<b>Lifespan: 30 years</b>	<b>\$49,529,261</b>	<b>\$1,650,975</b>

## Carpet

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	\$9.68	\$152,904	\$11,762
Bell Tower	--	--	--	--	--	--
Brown Hall	2000	2012	33,700	\$9.68	\$326,131	\$27,178
Campus Recreation Center/Fitness Center	2010	2023	5,000	\$9.68	\$48,387	\$3,722
Carmona College of Business	2020	2033	36,574	\$9.67	\$353,765	\$27,213
Concession Building	--	--	--	--	--	--
Doan Center	2005	2018	17,350	\$9.68	\$167,904	\$12,916
Founders Hall	1996	2009	2,800	\$9.68	\$27,097	\$2,084
Gilbertson Hall (REC)	2003	2016	78,975	\$9.68	\$764,278	\$58,791
Great Lakes A - E	2008	2021	34,750	\$9.68	\$336,292	\$25,869
Grounds Building	--	--	--	--	--	--
Hamilton Gym	--	--	--	--	--	--
Bachand Hall	2010	2023	55,000	\$9.68	\$532,261	\$40,943
Living Center North (Brandimore House)	2011	2024	76,340	\$9.68	\$738,778	\$56,829
Living Center South	2022	2035	76,340	\$9.68	\$738,778	\$56,829
Living Center Southwest	2009	2022	64,000	\$9.68	\$619,358	\$47,643
Observatory	--	--	--	--	--	--
Pine Grove Central	2023	2036	24,650	\$9.68	\$238,550	\$18,350
Pine Grove East	2011	2024	14,550	\$9.68	\$140,807	\$10,831
Pine Grove West	2008	2021	53,000	\$9.68	\$512,906	\$39,454
Pioneer Hall	2007	2020	25,700	\$9.68	\$248,711	\$19,132
Ryder Center	2010	2023	35,250	\$9.68	\$341,131	\$26,241
Ryder Center - Fieldhouse	2014	2027	14,000	\$9.68	\$135,485	\$10,422
Science Building - East	2011	2024	60,850	\$9.68	\$588,874	\$45,298
Science Building - West	2019	2032	27,938	\$9.68	\$270,369	\$20,798
Softball Pressbox	--	--	--	--	--	--
SCC-A	2013	2026	23,100	\$9.68	\$223,550	\$17,196
SCC-B	2013	2026	3,500	\$9.68	\$33,871	\$2,605
SCC-C	2013	2026	8,375	\$9.68	\$81,049	\$6,235
Student Center	2003	2016	6,700	\$9.68	\$64,839	\$4,988
Studio	2006	2019	1,150	\$9.68	\$11,129	\$856
Tranquil Hall F & G	2023	2036	14,000	\$9.68	\$135,485	\$10,422
University HealthCare	2009	2022	9,500	\$9.68	\$91,936	\$7,072
University Village I	2022	2035	37,625	\$9.68	\$364,115	\$28,009
University Village II	2001	2014	51,925	\$9.68	\$502,503	\$38,654
University Village III	2005	2018	34,850	\$9.68	\$337,260	\$25,943
University Village IV	2007	2020	30,300	\$9.68	\$293,227	\$22,556
West Complex	2010	2023	125,700	\$9.68	\$1,216,458	\$93,574
Wickes Hall	2015	2028	78,300	\$9.68	\$757,746	\$58,288
Wickes Memorial Stadium	--	--	--	--	--	--
Zahnnow Amphitheatre	--	--	--	--	--	--
Zahnnow Library	2015	2028	80,700	\$9.68	\$780,972	\$60,075
<b>Totals:</b>		<b>Lifespan: 13 years</b>	<b>1,258,292</b>		<b>\$12,176,907</b>	<b>\$938,776</b>

## Furniture

<b>Building</b>	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1999	2013	\$570,795	\$40,771
Brown Hall	1987	2001	\$1,394,740	\$99,624
Campus Recreation Center/Fitness Center	2010	2024	\$31,547	\$2,253
Carmona College of Business	2020	2034	\$779,476	\$55,677
Concession Building	2006	2020	\$42,599	\$3,043
Doan Center	2005	2019	\$90,296	\$6,450
Founders Hall	1995	2009	\$119,749	\$8,553
Gilbertson Hall (REC)	2003	2017	\$3,224,833	\$230,345
Great Lakes A - E	1999	2013	\$667,184	\$47,656
Grounds Building	2002	2016	\$39,773	\$2,841
Hamilton Gym	2004	2018	\$152,695	\$10,907
Bachand Hall	2010	2024	\$1,637,770	\$116,984
Living Center North (Brandimore House)	1999	2013	\$1,463,106	\$104,508
Living Center South	2004	2018	\$1,463,106	\$104,508
Living Center Southwest	2009	2023	\$859,303	\$61,379
Pine Grove Central	2003	2017	\$917,684	\$65,549
Pine Grove East	2007	2021	\$682,843	\$48,775
Pine Grove West	2008	2022	\$816,922	\$58,352
Pioneer Hall	2007	2021	\$1,314,733	\$93,909
Ryder Center	1991	2005	\$488,455	\$34,890
Ryder Center - Fieldhouse	2014	2028	\$43,100	\$3,079
Science Building - East	2001	2015	\$1,395,547	\$99,682
Science Building - West	1990	2004	\$1,329,330	\$94,952
Softball Pressbox	2006	2020	\$2,805	\$200
SCC-A	1992	2006	\$878,230	\$62,731
SCC-B	1996	2010	\$207,680	\$14,834
SCC-C	1987	2001	\$153,502	\$10,964
Student Center	2003	2017	\$397,730	\$28,409
Tranquil Hall F & G	1997	2011	\$281,632	\$20,117
University HealthCare	2009	2023	\$150,169	\$10,726
University Village I	2000	2014	\$800,567	\$57,183
University Village II	2001	2015	\$1,031,903	\$73,707
University Village III	2006	2020	\$663,546	\$47,396
University Village IV	2007	2021	\$601,976	\$42,998
West Complex	1996	2010	\$3,155,405	\$225,386
Wickes Hall	2004	2018	\$2,238,248	\$159,875
Zahnnow Library	2016	2030	\$1,074,944	\$76,782
<b>Totals:</b>		<b>Lifespan: 14 years</b>	<b>\$31,163,922</b>	<b>\$2,225,994</b>



## Plumbing / Electrical

<b>Building</b>	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2005	2055	\$4,782,915	\$95,658
Bell Tower	1998	2048	\$16,511	\$330
Brown Hall	1986	2036	\$2,631,429	\$52,629
Campus Recreation Center/Fitness Center	2007	2057	\$2,529,661	\$50,593
Carmona College of Business	2020	2070	\$1,823,501	\$36,470
Concession Building	2006	2056	\$278,404	\$5,568
Doan Center	1993	2043	\$2,685,185	\$53,704
Founders Hall	1995	2045	\$326,818	\$6,536
Gilbertson Hall (REC)	2003	2053	\$7,603,041	\$152,061
Great Lakes A - E	1976	2026	\$2,701,068	\$54,021
Grounds Building	2002	2052	\$154,792	\$3,096
Hamilton Gym	1971	2021	\$1,843,709	\$36,874
Bachand Hall	2010	2060	\$5,896,619	\$117,932
Living Center North (Brandimore House)	1999	2049	\$5,014,707	\$100,294
Living Center South	2004	2054	\$5,014,707	\$100,294
Living Center Southwest	2009	2059	\$3,420,525	\$68,411
Observatory	1973	2023	\$3,870	\$77
Pine Grove Central	1989	2039	\$1,208,865	\$24,177
Pine Grove East	1997	2047	\$596,336	\$11,927
Pine Grove West	2008	2058	\$2,212,496	\$44,250
Pioneer Hall	2007	2057	\$3,612,939	\$72,259
Ryder Center	1989	2039	\$12,371,885	\$247,438
Ryder Center - Fieldhouse	2014	2064	\$3,448,011	\$68,960
Science Building - East	2001	2051	\$7,739,598	\$154,792
Science Building - West	1993	2043	\$3,654,811	\$73,096
Softball Pressbox	2007	2057	\$5,259	\$105
SCC-A	1992	2042	\$1,032,427	\$20,649
SCC-B	1987	2037	\$648,484	\$12,970
SCC-C	1980	2030	\$695,447	\$13,909
Student Center	2003	2053	\$2,294,409	\$45,888
Studio	2000	2050	\$606,268	\$12,125
Tranquil Hall F & G	2023	2073	\$1,079,141	\$21,583
University HealthCare	2009	2059	\$750,847	\$15,017
University Village I	2000	2050	\$2,184,183	\$43,684
University Village II	2001	2051	\$2,912,244	\$58,245
University Village III	2005	2055	\$1,941,497	\$38,830
University Village IV	2007	2057	\$1,698,810	\$33,976
West Complex	2000	2050	\$12,666,913	\$253,338
Wickes Hall	2000	2050	\$4,777,998	\$95,560
Wickes Memorial Stadium	1991	2041	\$164,080	\$3,282
Zahnow Amphitheatre	--	--	--	--
Zahnow Library	2017	2067	\$4,696,790	\$93,936
<b>Totals:</b>	<b>Lifespan: 50 years</b>		<b>\$119,727,199</b>	<b>\$2,394,544</b>

## Lighting

Building	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	2020	2050	\$2,532,337	\$84,411
Bell Tower	1998	2028	\$5,503	\$183
Brown Hall	1990	2020	\$1,578,859	\$52,629
Campus Recreation Center/Fitness Center	2009	2039	\$1,541,142	\$51,371
Carmona College of Business	2020	2050	\$826,717	\$27,557
Concession Building	2022	2052	\$104,723	\$3,491
Doan Center	2013	2043	\$1,611,111	\$53,704
Founders Hall	1995	2025	\$163,409	\$5,447
Gilbertson Hall (REC)	2003	2033	\$4,561,824	\$152,061
Great Lakes A - E	2000	2030	\$1,620,642	\$54,021
Grounds Building	2020	2050	\$118,244	\$3,941
Hamilton Gym	2011	2041	\$1,106,226	\$36,874
Bachand Hall	2010	2040	\$3,628,688	\$120,956
Living Center North (Brandimore House)	2019	2049	\$3,008,821	\$100,294
Living Center South	2019	2049	\$3,008,821	\$100,294
Living Center Southwest	2009	2039	\$2,085,686	\$69,523
Observatory	1973	2003	\$5,159	\$172
Pine Grove Central	2023	2053	\$725,318	\$24,177
Pine Grove East	1997	2027	\$357,804	\$11,927
Pine Grove West	2008	2038	\$2,723,071	\$90,769
Pioneer Hall	2007	2037	\$2,104,624	\$70,154
Ryder Center	1990	2020	\$5,379,080	\$179,303
Ryder Center - Fieldhouse	2014	2044	\$308,885	\$10,296
Science Building - East	2001	2031	\$4,643,759	\$154,792
Science Building - West	1997	2027	\$2,063,892	\$68,796
Softball Pressbox	2007	2037	\$5,084	\$169
SCC-A	2020	2050	\$671,081	\$22,369
SCC-B	2020	2050	\$389,091	\$12,970
SCC-C	2021	2051	\$417,267	\$13,909
Student Center	2003	2033	\$1,376,645	\$45,888
Studio	2021	2051	\$272,821	\$9,094
Tranquil Hall F & G	2000	2030	\$647,485	\$21,583
University HealthCare	2009	2039	\$333,710	\$11,124
University Village I	2022	2052	\$3,245,409	\$108,180
University Village II	2001	2031	\$4,327,213	\$144,240
University Village III	2005	2035	\$2,884,808	\$96,160
University Village IV	2007	2037	\$2,524,208	\$84,140
West Complex	2016	2046	\$7,252,768	\$241,759
Wickes Hall	2011	2041	\$2,866,798	\$95,560
Wickes Memorial Stadium	1991	2021	\$139,467	\$4,649
Zahnnow Library	2017	2047	\$3,492,900	\$116,430
<b>Totals:</b>	<b>Lifespan: 30 years</b>		<b>\$76,661,099</b>	<b>\$2,555,370</b>

## HVAC Equipment / HVAC Terminal Units

Building	Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Arbury Fine Arts Center	1987	2027	\$4,138,105	\$103,453
Brown Hall	1986	2026	\$3,289,290	\$82,232
Campus Recreation Center/Fitness Center	2010	2050	\$3,016,170	\$75,404
Carmona College of Business	2020	2060	\$1,181,024	\$29,526
Doan Center	2022	2062	\$3,356,481	\$83,912
Founders Hall	1995	2035	\$408,522	\$10,213
Gilbertson Hall (REC)	2003	2043	\$9,503,800	\$237,595
Great Lakes A - E	2004	2034	\$3,376,335	\$112,544
Hamilton Gym	See Ryder Center	--	--	--
Bachand Hall	2010	2050	\$6,803,792	\$170,095
Living Center North (Brandimore House)	1999	2029	\$6,268,385	\$208,946
Living Center South	2004	2034	\$6,268,385	\$208,946
Living Center Southwest	2009	2039	\$5,222,557	\$174,085
Pioneer Hall	2007	2037	\$4,516,265	\$150,542
Ryder Center	1989	2029	\$9,144,434	\$228,611
Ryder Center - Fieldhouse	2014	2054	\$862,003	\$21,550
Science Building - East	2001	2041	\$12,899,331	\$322,483
Science Building - West	1995	2035	\$4,084,787	\$102,120
Student Center	2003	2043	\$1,653,325	\$41,333
Studio	2001	2041	\$150,492	\$3,762
Tranquil Hall F & G	2004	2034	\$539,571	\$17,986
University Village I (420 & 432)	2000	2030	\$450,831	\$15,028
West Complex	1996	2036	\$14,941,683	\$373,542
Wickes Hall	2000	2040	\$5,972,493	\$149,312
Zahnow Library	1997	2037	\$7,029,742	\$175,744
<b>Totals:</b>		<b>Lifespan: 30 or 40 years</b>	<b>\$115,077,803</b>	<b>\$3,098,964</b>

### Furnaces & Condensing Units

<b>Building</b>	Install Date	Average Replacement Date	Number	Cost per Unit	Total Replacement Cost	Annual Cost
Concessions	2006	2023	2	\$7,524	\$15,048	\$885
Grounds Building	2019	2036	2	\$7,524	\$15,048	\$885
Pine Grove Central	2023	2040	82	\$7,524	\$616,968	\$36,292
Pine Grove East	1996	2013	32	\$7,524	\$240,768	\$14,163
Pine Grove West	2008	2025	114	\$7,524	\$857,737	\$50,455
SCC-A	2014	2031	39	\$7,524	\$293,436	\$17,261
SCC-B	2013	2030	15	\$7,524	\$112,860	\$6,639
SCC-C	2014	2031	20	\$7,524	\$150,480	\$8,852
University HealthCare	2009	2026	7	\$7,524	\$52,668	\$3,098
University Village I	2022	2039	86	\$7,524	\$647,064	\$38,063
University Village II	2001	2018	144	\$7,524	\$1,083,457	\$63,733
University Village III	2005	2022	100	\$7,524	\$752,400	\$44,259
University Village IV	2007	2024	84	\$7,524	\$632,016	\$37,177
<b>Totals:</b>		<b>Lifespan: 17 years</b>	<b>727</b>		<b>\$5,469,951</b>	<b>\$321,762</b>

### Water Heaters

Building	Install Date	Average Replacement Date	Number	Cost per Unit	Total Replacement Cost	Annual Cost
Concessions	2006	2019	3	\$1,075	\$3,226	\$248
Grounds Building	2002	2015	1	\$1,075	\$1,075	\$83
Pine Grove Central	2023	2036	42	\$1,075	\$45,168	\$3,474
Pine Grove East	1996	2009	16	\$1,075	\$17,207	\$1,324
Pine Grove West	2008	2021	56	\$1,075	\$60,224	\$4,633
SCC-A	1989	2002	2	\$1,075	\$2,151	\$165
SCC-B	1994	2007	1	\$1,075	\$1,075	\$83
SCC-C	1992	2005	1	\$1,075	\$1,075	\$83
University HealthCare	2009	2022	1	\$1,075	\$1,075	\$83
University Village I	2022	2035	46	\$1,075	\$49,469	\$3,805
University Village II	2001	2014	73	\$1,075	\$78,506	\$6,039
University Village III	2005	2018	50	\$1,075	\$53,771	\$4,136
University Village IV	2007	2020	42	\$1,075	\$45,168	\$3,474
<b>Totals:</b>	<b>Lifespan: 13 years</b>		<b>336</b>		<b>\$359,190</b>	<b>\$27,630</b>

## Appliances

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

Building	Install Date	Average Replacement		Cost per Unit	Total	
		Date	Number		Replacement Cost	Annual Cost
Concessions	2011	2026	6	\$968	\$5,806.48	\$387
Great Lakes A - E	2013	2028	135	\$968	\$130,645.87	\$8,710
Living Center North (Brandimore)	2004	2019	605	\$968	\$585,487.06	\$39,032
Living Center South	2009	2024	605	\$968	\$585,487.06	\$39,032
Living Center Southwest	2014	2029	460	\$968	\$445,163.72	\$29,678
Pine Grove Central	2023	2038	200	\$968	\$193,549.44	\$12,903
Pine Grove East	2001	2016	96	\$968	\$92,903.73	\$6,194
Pine Grove West	2013	2028	324	\$968	\$313,550.10	\$20,903
Tranquil Hall F & G	2023	2038	54	\$968	\$52,258.35	\$3,484
University HealthCare	2014	2029	7	\$968	\$6,774.23	\$452
University Village I	2023	2038	492	\$968	\$476,131.63	\$31,742
University Village II	2006	2021	432	\$968	\$418,066.79	\$27,871
University Village III	2010	2025	300	\$968	\$290,324.16	\$19,355
University Village IV	2012	2027	252	\$968	\$243,872.30	\$16,258
<b>Totals:</b>	<b>Lifespan: 15 years</b>				<b>\$3,834,214</b>	<b>\$255,614</b>
<b>Replacement Dates:</b>	<b>Cost:</b>					
2024 and before	<b>\$1,681,944.65</b>					
2025	<b>\$290,324.16</b>					
2026	<b>\$5,806.48</b>					
2027	<b>\$243,872.30</b>					
2028	<b>\$444,195.97</b>					

## 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	\$394,341	\$1,183,022	\$47,321
Arbury Fine Arts Center	2002	2017	1	\$157,736	\$157,736	\$10,516
Arbury Fine Arts Center	2004	2019	1	\$189,283	\$189,283	\$12,619
Arbury Fine Arts Center	2010	2025	1	\$189,283	\$189,283	\$12,619
Doan Center (DHW, HWH from WC)	2014	2039	2	\$189,283	\$378,566	\$15,143
Founders Hall (HWH)	2005	2020	2	\$32,827	\$65,654	\$4,377
Great Lakes A - E (HWH)	1999	2014	10	\$126,189	\$1,261,892	\$84,126
Great Lakes A - E (DWH)	1999	2014	5	\$157,736	\$788,681	\$52,579
Bachand Hall	2009	2024	2	\$189,283	\$378,566	\$25,238
Bachand Hall	2009	2024	1	\$126,189	\$126,189	\$8,413
Living Center North (Brandimore) (HWH)	1999	2014	3	\$236,604	\$709,813	\$47,321
Living Center North (Brandimore) (DWH)	1999	2014	2	\$126,189	\$252,378	\$16,825
Living Center South (DWH)	2003	2018	2	\$126,189	\$252,378	\$16,825
Living Center South (HWH)	2003	2018	3	\$236,604	\$709,813	\$47,321
Living Center Southwest (HWH)	2008	2023	4	\$189,283	\$757,133	\$50,476
Ryder Center - Fieldhouse	2014	2039	2	\$20,114	\$40,228	\$1,609
Ryder Center - Pool	2011	2026	2	\$126,189	\$252,378	\$16,825
Ryder Center (DWH)	2007	2022	1	\$141,962	\$141,962	\$9,464
Ryder Center (HWH)	2014	2039	5	\$229,867	\$1,149,334	\$45,973
Science Building - East (DWH)	1999	2014	1	\$126,189	\$126,189	\$8,413
Science Building - East (HWH)	2000	2015	3	\$315,472	\$946,417	\$63,094
Science Building - West (DWH)	2003	2018	1	\$126,189	\$126,189	\$8,413
Science Building - West (HWH)	2012	2027	6	\$157,736	\$946,417	\$63,094
Student Center	2003	2018	2	\$157,736	\$315,472	\$21,031
Tranquil Hall F & G (DWH)	2023	2038	2	\$157,736	\$315,472	\$21,031
Tranquil Hall F & G (HWH)	2023	2038	4	\$126,189	\$504,757	\$33,650
University Village I (DWH)	2000	2015	4	\$94,642	\$378,569	\$25,238
University Village I (HWH)	2000	2015	4	\$94,642	\$378,569	\$25,238
West Complex (DWH)	2014	2039	2	\$157,736	\$315,472	\$12,619
West Complex (HWH)	2010	2035	7	\$126,189	\$883,325	\$35,333
Wickes Hall	1999	2024	2	\$473,209	\$946,417	\$37,857
Zahnow Library - Food Court (DWH)	2005	2020	2	\$126,189	\$252,378	\$16,825
Zahnow Library - Food Court (HWH)	2005	2020	2	\$189,283	\$378,566	\$25,238
<b>Totals:</b>		<b>Lifespan: 15 or 25 years</b>	<b>94</b>		<b>\$15,798,506</b>	<b>\$922,664</b>

### Chillers / Cooling Towers / Heat Pumps

Location / Tons	Install Date	Average Replacement Date	Number Units	Total Replacement Cost	Annual Cost
<b>Chillers</b>					
Science West / 800	1984	2001	1	\$504,756	\$29,692
Doan Center / 320	1994	2011	1	\$236,604	\$13,918
West Complex / 1000	2013	2030	1	\$725,586	\$42,682
Pioneer Hall / 640	1998	2015	1	\$441,662	\$25,980
Gilbertson Hall (REC) / 450	2002	2019	1	\$331,245	\$19,485
Gilbertson Hall (REC) / 450	2002	2019	1	\$331,245	\$19,485
Ryder / 500	2004	2021	1	\$362,794	\$21,341
Arbury / 60	2002	2019	1	\$47,321	\$2,784
<b>Totals:</b>	<b>Lifespan: 17 years</b>		<b>8</b>	<b>\$2,981,213</b>	<b>\$175,365</b>
<b>Cooling Towers</b>					
Science West	1984	2014	1	\$315,472	\$10,516
Doan Center	1994	2024	1	\$315,472	\$10,516
West Complex	2013	2028	1	\$315,472	\$21,031
Pioneer Hall	1998	2028	1	\$315,472	\$10,516
Gilbertson Hall (REC)	2003	2033	1	\$315,472	\$10,516
Gilbertson Hall (REC)	2003	2033	1	\$315,472	\$10,516
Ryder	2004	2034	1	\$315,472	\$10,516
<b>Totals:</b>	<b>Lifespan: 15 or 30 years</b>		<b>7</b>	<b>\$2,208,307</b>	<b>\$84,126</b>
<b>Heat Pumps</b>					
Gilbertson Hall (REC)-10 units@70 tons each	2010	2025	10	\$946,417	\$63,094
West Complex - 2 units @ 40 tons each	2013	2028	2	\$18,557	\$1,237
<b>Totals:</b>	<b>Lifespan: 15 years</b>		<b>12</b>	<b>\$964,974</b>	<b>\$64,332</b>
<b>Replacement Dates:</b>		<b>Cost:</b>			
2024 and before		<b>\$0.00</b>			
2025		<b>\$946,417.38</b>			
2026		<b>\$0.00</b>			
2027		<b>\$0.00</b>			
2028		<b>\$18,556.59</b>			

Rows are hidden for chiller and cooling tower replacement date / cost info.



**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	\$150.49	\$6,107,015	\$76,338
Storm Sewer	1990	2070	86,635	\$161.25	\$13,969,671	\$174,621
Water	1992	2072	48,720	\$64.50	\$3,142,390	\$39,280
<b>Totals:</b>	<b>Lifespan: 80 years</b>				<b>\$23,219,076</b>	<b>\$290,238</b>

### 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	\$268,858	\$8,962
West Complex to Doan Center	1991	2021	\$39,569	\$1,319
Main Loop Switches 1 & 2, 66/68 Building	2001	2031	\$205,338	\$6,845
Ryder Center to Loop Switch 4	2002	2032	\$138,490	\$4,616
Manhole #6 to Manhole #6A to Living Center South	2003	2033	\$92,402	\$3,080
University Villages	2003	2033	\$1,339,429	\$44,648
Pine Grove	2008	2038	\$243,828	\$8,128
Bachand Hall	2010	2040	\$92,834	\$3,094
<b>Totals:</b>	<b>Lifespan: 30 years</b>		<b>\$2,420,748</b>	<b>\$80,692</b>

### 8320 Volt Distribution System

Description	Average Install Date	Average Replacement Date	Total Replacement Cost	Annual Cost
Duct Banks	1966	2046	\$21,283,895	266,049
Cable	1995	2025	\$5,259,057	175,302
Health & Human Services Cable	2010	2040	\$194,782	6,493
<b>Totals:</b>	<b>Lifespan: 30 or 80 years</b>		<b>\$26,737,735</b>	<b>447,843</b>

## Food Services Equipment

Location	Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Cost
<b>Doan Marketplace- D151</b>								
<b>Desert Section Island (Main Dining)</b>								
	Refrigerator (2 Door)	2005	20	2025	1	\$6,508	\$6,508	\$325
	Cooler (2 Door)	2005	20	2025	1	\$4,172	\$4,172	\$209
	Reach In Freezer (1 Door)	1995	20	2015	1	\$5,506	\$5,506	\$275
	Reach In Freezer	1995	20	2015	1	\$8,343	\$8,343	\$417
	Ice Cream Cooler	2005	15	2020	1	\$10,011	\$10,011	\$667
<b>Main Lobby Dining</b>								
	Ice Cream Machine	2015	15	2030	1	\$20,622	\$20,622	\$1,375
	Cooler (2 Door)	2005	20	2025	1	\$4,172	\$4,172	\$209
	Food Warmer	2005	15	2020	6	\$2,836	\$17,018	\$1,135
	Island Cooler for Ice Prep.	2005	15	2020	1	\$23,360	\$23,360	\$1,557
	Prep Table/3 door cooler	1996	20	2016	1	\$15,016	\$15,016	\$751
	Grill	1996	20	2016	1	\$13,349	\$13,349	\$667
	Holding Oven	1996	20	2016	1	\$12,514	\$12,514	\$626
	Food Warmer and Cooler	1996	15	2011	1	\$10,011	\$10,011	\$667
<b>Main Lobby Dining (Right Side Salad Bar Side)</b>								
	Salad Prep Table	1996	15	2011	1	\$1,669	\$1,669	\$111
	Soup Heater	2005	4	2009	2	\$834	\$1,668	\$417
	Soup Heater	2009	4	2013	2	\$801	\$1,602	\$400
	Salad Prep Table	2006	15	2021	2	\$4,172	\$8,343	\$556
	Salad/Deli Prep Table	1996	15	2011	1	\$4,172	\$4,172	\$278
	Salad Prep Table	2005	15	2020	1	\$4,172	\$4,172	\$278
<b>1st Floor Kitchen Main Dining</b>								
	Steamer	2016	7	2023	2	\$22,323	\$44,645	\$6,378
	Tilt Top Skillet	1996	15	2011	1	\$25,029	\$25,029	\$1,669
	Flat Top Range	1996	20	2016	1	\$16,685	\$16,685	\$834
	Cooler (2 Door)	1996	20	2016	1	\$8,343	\$8,343	\$417
	Cookie Oven	1996	20	2016	1	\$33,371	\$33,371	\$1,669
	Holding Oven	1996	20	2016	1	\$25,029	\$25,029	\$1,251
	Oven	1996	20	2016	1	\$16,685	\$16,685	\$834
	Grill	1999	15	2014	1	\$10,011	\$10,011	\$667
	Fryer	1996	15	2011	1	\$4,672	\$4,672	\$311
	Ice Machine	2006	15	2021	1	\$8,343	\$8,343	\$556
	Food Warmer and Cooler	2006	20	2026	1	\$8,343	\$8,343	\$417
	Convection Oven	1996	20	2016	8	\$13,349	\$106,791	\$5,340
	Convection Oven	2006	20	2026	4	\$13,349	\$53,395	\$2,670
	Convection Oven	2017	20	2037	4	\$13,236	\$52,945	\$2,647
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,343	\$8,343	\$556
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,343	\$8,343	\$556
	Hot Boxes (2 Door)	2006	15	2021	1	\$8,343	\$8,343	\$556
	Holding Oven	2006	15	2021	1	\$2,336	\$2,336	\$156
	Walk in Freezer (#6 Baked Goods)	2006	15	2021	1	\$33,371	\$33,371	\$2,225
	Walk in Cooler (#5)	2006	20	2026	1	\$33,371	\$33,371	\$1,669

## Food Services Equipment

Location	Description	Install Date	Average Lifespan	Replacement Date	Quantity	Cost per Unit	Total	Annual
							Replacement Cost	Cost
	Walk in Freezer (#4 Meat)	2006	20	2026	1	\$33,371	\$33,371	\$1,669
	Walk in Cooler (#3 Grill Comfort)	2006	20	2026	1	\$33,371	\$33,371	\$1,669
	Walk in Cooler (#2 Produce)	2006	20	2026	1	\$33,371	\$33,371	\$1,669
	Walk in Cooler (#1 Catering)	2006	20	2026	1	\$33,371	\$33,371	\$1,669
	Warming Unit	2007	15	2022	2	\$2,836	\$5,673	\$378
<b>Doan Marketplace Totals:</b>							<b>\$819,779</b>	<b>\$49,352</b>
<b>Curtiss Hall</b>								
<b>Coffee Shop (C160)</b>								
	Airscreen		20		1			
	Freezer 2 Door		20		1			
	Coffee Maker		20		1			
<b>Food Service (C240)</b>								
	Freezer (1 Door)	1996	20	2016	1	\$3,337	\$3,337	\$167
	Cooler	2005	20	2025	1	\$5,673	\$5,673	\$284
	Cooler (2 Door)	1996	20	2016	1	\$8,343	\$8,343	\$417
	Ice Machine	2005	15	2020	1	\$8,343	\$8,343	\$556
<b>Beverages (C246)</b>								
	Ice Machine	1996	15	2011	2	\$8,343	\$16,687	\$1,112
	Cooler (4 Door)	1996	20	2016	1	\$8,677	\$8,677	\$434
	Cooler (3 Door)	1996	20	2016	1	\$7,508	\$7,508	\$375
	Refrigerator	2003	20	2023	1	\$6,674	\$6,674	\$334
<b>President's Kitchen (C226)</b>								
	Freezer (2 Door)	1996	20	2016	1	\$25,029	\$25,029	\$1,251
	Cooler (2 Door)	1996	20	2016	1	\$25,029	\$25,029	\$1,251
	Ice Machine	1996	15	2011	1	\$8,343	\$8,343	\$556
	Cooler (2 Door)	1996	20	2016	1	\$25,029	\$25,029	\$1,251
	Warming Prep Table (4 Pans)	1996	15	2011	1	\$16,685	\$16,685	\$1,112
	Oven (4 Drawer)	1996	15	2011	1	\$13,349	\$13,349	\$890
	Refrigerator	1996	20	2016	1	\$6,674	\$6,674	\$334
	Warming Station (1 Door)	1996	15	2011	1	\$2,336	\$2,336	\$156
	Cooler (2 Door)	1996	20	2016	1	\$8,510	\$8,510	\$426
	Cooler (2 Door)	1996	20	2016	1	\$20,022	\$20,022	\$1,001
	Oven	2005	15	2020	1	\$12,502	\$12,502	\$833
<b>Campus Dining Office (C122)</b>								
	Refrigerator (1 Door)	2008	10	2018	2	\$1,669	\$3,338	\$334
<b>Finishing Kitchen (C248 &amp; C249)</b>								
	Warming Unit	1996	15	2011	6	\$2,836	\$17,018	\$1,135
	Hot Hold Unit	1996	15	2011	3			
	Walk In Cooler				1			
	Walk In Freezer				1			
	Warming Unit				8			

## Food Services Equipment

Location	Description	Install Date	Lifespan	Average Replacement		Cost per Unit	Total Replacement Cost	Annual Cost
				Date	Quantity			
	Ice Machine	1996	15	2011	1	\$8,343	\$8,343	\$556
	Ice Machine				1			
	Warming Unit (4 Tray Holders)	1996	15	2011	3	\$3,337	\$10,010	\$667
	Cooler	2005	20	2025	1	\$6,674	\$6,674	\$334
<b>Curtiss Hall Totals:</b>							<b>\$274,134</b>	<b>15,767</b>
<b>Student Center</b>								
<b>Papa John's</b>								
	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			
<b>Convenience Store (Student Center SC128)</b>								
	Refrigerator Reach In Cooler (2 Door)	2003	20	2023	1	\$6,341	\$6,341	\$317
	Walk In Cooler (7 Doors)	2003	20	2023	1	\$33,371	\$33,371	\$1,669
	Walk In Freezer (5 Doors)	2003	20	2023	1	\$33,371	\$33,370.87	\$1,669
	Freezer (3 Door)	2004	20	2024	1	\$13,349	\$13,349	\$667
	Freal Milkshake Machine	2012			1			
	Hoshizaki Ice Maker	2012			1			
<b>Student Center Totals:</b>							<b>\$86,432</b>	<b>4,322</b>
<b>Gilbertson Hall (REC)</b>								
<b>Einstein Bros. Bagels</b>								
	Ice Machine	2003	10	2013	1	\$8,343	\$8,343	\$834
	Freezer	2003	20	2023	1	\$8,343	\$8,343	\$417
	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

Location	Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Cost
<b>2nd Floor Kitchen (ES205)</b>								
	Ice Machine	2003	15	2018	1	\$8,343	\$8,343	\$556
	Refrigerator (3 Door)	2003	15	2018	1	\$6,674	\$6,674	\$445
	Freezer (1 Door)	2003	20	2023	1	\$8,343	\$8,343	\$417
	Warming Unit	2003	20	2023	3	\$2,836	\$8,509	\$425
	Warming Unit (Hot Food)	2003	15	2018	5	\$2,836	\$14,181	\$945
	Warming Unit	2007	15	2022	1	\$2,836	\$2,836	\$189
<b>Regional Eduction Center Totals:</b>							<b>\$65,574</b>	<b>\$4,230</b>
<b>Science East</b>								
<b>Starbucks (2017)</b>								
	Equipment (brewers, grinder, warmer, ovens, etc.)	2017	10	2027	1	\$222,002	\$222,002	\$22,200
<b>Science East Totals:</b>							<b>\$222,002</b>	<b>\$22,200</b>
<b>Zahnow Library - Food Court</b>								
<b>Albert E's Food Court (Subway, Greens to Go, Grille)</b>								
	Salad Prep Table with 2 Door cooler	2004	15	2019	1	\$16,685	\$16,685	\$1,112
	Drop In Freezer Counter Top		8		1			
	Salad Prep Table with 2 Door cooler	2004	15	2019	1	\$16,685	\$16,685	\$1,112
	Cooler with Prep Sink		15	15	1	\$13,349	\$13,349	\$890
	Reach In Cooler (2 Door)		20	20	1	\$8,343	\$8,343	\$417
	Fryer	1996	15	2011	1	\$5,005	\$5,005	\$334
	Stove	2005	20	2025	1	\$16,685	\$16,685	\$834
	Fryer	2005	15	2020	1	\$5,005	\$5,005	\$334
	Stove Char Grill	2005	15	2020	1	\$13,349	\$13,349	\$890
	Grill Flat Top	2005	15	2020	1	\$18,354	\$18,354	\$1,224
	Ice Cream Cooler (Countertop Storage)	2003	15	2018	1	\$4,172	\$4,172	\$278
	Reach In Freezer	1996	20	2016	1	\$6,674	\$6,674	\$334
	Salad prep unit							
	Salad prep unit							
	Salad prep unit							
	Air screen							
	Chef Base 6 Drawer							
<b>Panda Express (2017)</b>								
	Equipment (griddle, back line, etc.)	2017	10	2027	1	\$21,859	\$21,859	\$2,186
	Equipment (fridge, induction lines, etc.)	2017	10	2027	1	\$33,897	\$33,897	\$3,390
	Equipment (rice cooker, warmers, wok)	2017	10	2027	1	\$29,438	\$29,438	\$2,944
	Equipment (flat top grill)	2017	10	2027	1	\$807	\$807	\$81
	Equipment (sneeze guards)	2017	10	2027	1	\$1,155	\$1,155	\$116
<b>Zahnow Library Food Court Totals:</b>							<b>\$211,465</b>	<b>\$16,475</b>
<b>Wickes Stadium</b>								
	Ice Machine	2008	15	2023	1	\$8,343	\$8,343	\$556
	Cooler (2 Door)	2007	20	2027	1	\$5,839	\$5,839	\$292
	Warming Unit	2007	15	2022	1	\$2,836	\$2,836	\$189
	Warming Unit		15	15				\$0

### Food Services Equipment

Location	Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Cost
	Warming Unit (2 Drawer)	2007	15	2022	1	\$2,836	\$2,836	\$189
	Cooler	2003	20	2023	1	\$6,674	\$6,674	\$334
	Popcorn Machine							
	2 Door Freezer							
	Cooler (2 Door)							
	<b>Football South Side</b>							
	Cooler Reach In	1995	20	2015	1	\$2,503	\$2,503	\$125
	Popcorn Machine	1995	10	2005	1	\$2,503	\$2,503	\$250
	<b>Football North Side</b>							
	Warming Unit (2 Drawer)	2007	15	2022	1	\$2,420	\$2,420	\$161
	Popcorn Machine	1995	10	2005	1	\$2,503	\$2,503	\$250
	<b>Wickes Stadium Totals:</b>						<b>\$36,458</b>	<b>\$2,347</b>
	<b>Food Service Equipment Consolidated Totals:</b>		<b>Lifespan:</b>	<b>varies</b>			<b>\$1,715,844</b>	<b>\$114,693</b>

## AV Equipment (Non Conference Specific Items)

Location	Equipment Description	Install Date	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Average Annual Funds Needed
<b>Malcolm Field Theatre (Curtiss Hall)</b>							
	Audio Board			1	\$25,029	\$25,029	
	Dimmer Racks			6	\$183,540	\$1,101,239	
	Follow Spotlights			2	\$10,011	\$20,022	
	LineArray Front of House Speakers			12	\$100,113	\$1,201,351	
	Cyc			1	\$8,343	\$8,343	
	Black Sharkstooth Scrim			1	\$5,005	\$5,005	
	Mechanical Hoist Apron Electric			1	\$25,029	\$25,029	
	Front of House Projector			1	\$66,742	\$66,742	
	Wireless Headsets			4	\$1,669	\$6,676	
	Reroxing Fly system			1	\$16,685	\$16,685	
	Arial Lift			1	\$16,685	\$16,685	
	Permenant Refinishing of Floor			1	\$20,022	\$20,022	
	Video Rack Upgrade			1	\$13,349	\$13,349	
	L & E MR-16 CYC Strips			8	\$2,002	\$16,020	
	Pipe- Screen Lineset			1	\$1,669	\$1,669	
<b>Rhea Miller Recital Hall (Curtis Hall)</b>							
	Line Array F of H sepakers			included in MFT		-	
	Audio Borad			1	\$13,349	\$13,349	
	Motorized Front Stage Light Bar			1	\$25,029	\$25,029	
	Source 4 Ellipsoidals			12	\$667	\$8,005	
<b>Black Box Theatre/Studio (Curtis Hall)</b>							
	Lighting Board			1	\$23,360	\$23,360	
	Audio Board			1	\$13,349	\$13,349	
	Camera w/ link to MFT			1	\$8,343	\$8,343	
	Source 4 PARNel			30	\$408	\$12,251	
	Source 4 Ellipsoidals			30	\$573	\$17,175	
<b>Founders Hall</b>							
	Lighting Dimmer Rack	2013		1	\$31,764	\$31,764	
	Lighting Board			1	\$12,705	\$12,705	
<b>Totals:</b>						<b>\$2,709,196</b>	<b>\$0</b>



## I.T. Equipment

Location	Equipment Description	Install Date	Lifespan	Average Replacement Date	Quantity	Cost per Unit	Total Replacement Cost	Annual Funds Needed
<b>Wickes Hall 220</b>								
<b>UPS-Computer Room</b>								
	Batteries	2015	4	2019	1	\$16,237	\$16,237	\$4,059.37
	UPS	2007	15	2027	1	\$64,950	\$64,950	\$4,329.99
	A/C Capacitors	2007	8	2017	1	\$5,683	\$5,683	\$710.40
<b>Document Imaging</b>								
	Scanners			As Needed				\$6,276.72
<b>Network Components</b>								
	Wireless (ResNet)	2015	4	2019			\$999,873	\$249,968
	Closet Electronics	2015-2017	5	2020-2022			\$1,354,934	\$270,987
	Coset UPS	As Needed	3	As Needed			\$87,988	\$29,329
	VM Servers (includes Colleague Server)		5	+2 per year			\$109,984	\$21,997
	Major Network Components		5	2015-2016			\$769,687	\$153,937
	SAN		5	FY18			\$309,331	\$61,866
	NAC		5	2015			\$203,471	\$40,694
	VPN		5	2017			\$13,748	\$2,750
	Backup Solution	2015	5	2020			\$327,204	\$65,441
	Disaster Recovery (equipment)		5	2018			\$178,725	\$35,745
<b>Campuswide</b>								
<b>Classrooms &amp; Offices</b>								
	Distance Ed Codecs	2014	5	2019			\$229,482	\$45,896
	Lab computers		5	Recycled after 5			\$2,081,247	\$416,249
	Faculty computers		4	Recycled after 4			\$525,236	\$131,309
	Classroom Technology		8	Ongoing			\$2,650,267	\$331,283
	ME458 Servers		3	2017			\$37,876	\$12,625
	Wireless (Classroom)	2015-2017	5	2018-2020			\$2,851,267	\$570,253
<b>Gilbertson Hall (REC)</b>								
	Ott Auditorium Technology - FY13		9				\$386,046	\$82,264
	Ott Auditorium Technology - FY14							\$104,740
	Ott Auditorium Technology - FY15							\$101,964
	Ott Auditorium Technology - Ongoing							\$42,894
<b>Totals:</b>					<b>3</b>		<b>\$13,203,237</b>	<b>\$2,787,569</b>

## Parking Lots

Parking Lot	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
A	2010	2030	99,000	\$3.19	\$315,890	\$15,795
C	2012	2032	94,125	\$3.19	\$300,335	\$15,017
C1	2013	2033	82,700	\$3.19	\$263,880	\$13,194
D	2018	2038	112,000	\$3.19	\$357,371	\$17,869
E	2011	2031	193,000	\$3.19	\$615,826	\$30,791
F	2009	2029	221,250	\$3.19	\$705,966	\$35,298
H	2010	2030	107,250	\$3.19	\$342,214	\$17,111
J	2013	2033	138,000	\$3.19	\$440,332	\$22,017
J1	2019	2039	133,650	\$3.19	\$426,452	\$21,323
J2	2010	2030	141,100	\$3.19	\$450,223	\$22,511
J3	2017	2037	133,650	\$3.19	\$426,452	\$21,323
J4	2006	2026	50,400	\$3.19	\$160,817	\$8,041
K	2017	2037	84,150	\$3.19	\$268,507	\$13,425
L	2006	2026	102,600	\$3.19	\$327,377	\$16,369
R	2000	2020	88,900	\$3.19	\$283,663	\$14,183
Bookstore	2003	2023	16,000	\$3.19	\$51,053	\$2,553
Concessions	2006	2026	16,864	\$3.19	\$53,810	\$2,690
Continuing Education	1997	2017	3,600	\$3.19	\$11,487	\$574
Curtiss Hall Circle	2020	2040	16,079	\$3.19	\$51,305	\$2,565
Fine Arts Circle (West of Bldg.)	2023	2043	19,600	\$3.19	\$62,540	\$3,127
Fine Arts Drive (North of Bldg.)	2019	2039	29,700	\$3.19	\$94,767	\$4,738
Founders Hall	1994	2014	7,043	\$3.19	\$22,473	\$1,124
Fox Lot	2018	2038	4,800	\$3.19	\$15,298	\$765
Gilbertson Hall	2003	2023	300,000	\$3.19	\$957,242	\$47,862
Grounds	2007	2027	30,000	\$3.19	\$95,724	\$4,786
Pine Grove Central	2014	2034	28,800	\$3.19	\$91,895	\$4,595
Pine Grove East	1996	2016	14,400	\$3.19	\$45,948	\$2,297
Pine Grove West	2008	2028	53,000	\$3.19	\$169,113	\$8,456
Pioneer Hall - Service	2007	2027	11,400	\$3.19	\$36,375	\$1,819
Ryder Service	2007	2027	5,400	\$3.19	\$17,230	\$862
SCC-A	2011	2031	13,000	\$3.19	\$41,481	\$2,074
SCC-A South	2011	2031	10,800	\$3.19	\$34,461	\$1,723
SCC-C North	2013	2033	15,000	\$3.19	\$47,862	\$2,393
Univ. Village - Visitor Parking	2018	2038	13,500	\$3.19	\$43,076	\$2,154
Univ. Village I - East (addtn.)	2004	2024	6,000	\$3.19	\$19,145	\$957
Univ. Village I - East (original)	2023	2043	14,850	\$3.19	\$47,384	\$2,369
Univ. Village I - Southeast	2004	2024	32,000	\$3.19	\$102,106	\$5,105
Univ. Village II - South (addtn.)	2004	2024	33,000	\$3.19	\$105,297	\$5,265
Univ. Village II - South (original)	2001	2021	34,200	\$3.19	\$109,126	\$5,456
Univ. Village III	2005	2025	125,607	\$3.19	\$400,788	\$20,039
University HealthCare	2009	2029	20,000	\$3.19	\$63,816	\$3,191
University Village - West	2022	2042	64,800	\$3.19	\$206,764	\$10,338
University Village IV	2007	2027	37,000	\$3.19	\$118,060	\$5,903
West Complex / Doan (concrete)	1994	2014	13,500	\$3.19	\$43,076	\$2,154
Wickes Circle	2021	2041	29,025	\$3.19	\$92,613	\$4,631
Wickes Stadium VIP/Handicap	2016	2036	44,000	\$3.19	\$140,396	\$7,020
<b>Totals:</b>		<b>Lifespan: 20 years</b>	<b>2,844,743</b>		<b>\$9,077,012</b>	<b>\$453,851</b>

## Roads

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	\$3.15	\$78,785	\$3,939
College Dr.-East of Collings West	2012	2032	115,000	\$3.15	\$362,413	\$18,121
Fox Drive	2012	2032	7,000	\$3.15	\$22,060	\$1,103
University Drive	2000	2020	42,000	\$3.15	\$132,359	\$6,618
South Campus Entrance Drive	2009	2029	28,000	\$3.15	\$88,240	\$4,412
Collings - East & North of Fox	2012	2032	70,000	\$3.15	\$220,599	\$11,030
Collings - West & North of Fox	2012	2032	70,000	\$3.15	\$220,599	\$11,030
Davis Road	2008	2028	64,000	\$3.15	\$201,691	\$10,085
Davis Road Walkway (Asphalt)	2016	2036	8,000	\$3.15	\$25,211	\$1,261
Drive to Football Field & Track	2006	2026	20,000	\$3.15	\$63,028	\$3,151
Non-Motorized Pathway	2011	2031	132,000	\$3.15	\$415,987	\$20,799
Pine Grove Lane	2010	2030	40,000	\$3.15	\$126,057	\$6,303
Pine Grove West Lane	2008	2028	26,000	\$3.15	\$81,937	\$4,097
<b>Totals:</b>		<b>Lifespan: 20 years</b>	<b>647,000</b>		<b>2,038,966</b>	<b>101,948</b>

## Sidewalks

Area	Install Date	Average Replacement Date	Square Feet	Cost per Square Foot	Total Replacement Cost	Annual Cost
Sidewalks - A	1999	2029	42,000	\$10.75	\$451,677	\$15,056
Sidewalks - B	2006	2036	166,506	\$10.75	\$1,790,640	\$59,688
Sidewalks - C	2010	2040	44,830	\$10.75	\$482,111	\$16,070
Sidewalks - D	2007	2037	149,040	\$10.75	\$1,602,807	\$53,427
Sidewalks - E	2005	2035	137,301	\$10.75	\$1,476,563	\$49,219
Sidewalks - F	2008	2038	60,000	\$10.75	\$645,252	\$21,508
Sidewalks - 2013	2013	2043	12,000	\$10.75	\$129,050	\$4,302
Sidewalks - Davis Road	2016	2046	6,000	\$10.75	\$64,525	\$2,151
Sidewalks - Pine Grove Central	2018	2048	10,500	\$10.75	\$112,911	\$3,764
Sidewalks - Pine Grove West	2008	2038	40,800	\$10.75	\$438,772	\$14,626
Sidewalks - Ryder Fieldhouse	2014	2044	13,000	\$10.75	\$139,805	\$4,660
Sidewalks - University HealthCare	2009	2039	1,000	\$10.75	\$10,754	\$358
Sidewalks - Health Science	2010	2040	17,000	\$10.75	\$182,821	\$6,094
Sidewalks - C-Lot	2010	2040	7,600	\$10.75	\$81,732	\$2,724
Wickes Stadium - Concrete	2011	2041	19,971	\$10.75	\$214,772	\$7,159
<b>Totals:</b>		<b>Lifespan: 30 years</b>	<b>727,548</b>		<b>\$7,824,193</b>	<b>\$260,806</b>

## Exterior Facilities and Appurtenances

Area	Install Date	Average Replacement Date	Sq. Ft. or Unit	Cost per Sq. Ft. or Unit	Total Replacement Cost	Annual Cost
<b>Landscaping</b>						
Planting Beds	2005	2025	204,200	\$9.48	\$1,935,920	\$96,796
International Sculpture Gardens	2007	2037	4,000	\$135.42	\$541,661	\$18,055
Museum Gardens	2013	2043	15,000	\$25.78	\$386,639	\$12,888
<b>Athletic Fields</b>						
Soccer	2022	2032	103,575	\$9.08	\$940,386	\$94,039
Tennis Courts Construction	2010	2030	6 Courts	\$138,967	\$833,802	\$41,690
Tennis Courts Resurfacing	2022	2030	6 Courts	\$14,990	\$89,941	\$11,243
Wickes Football Field Turf	2022	2032	86,721	\$10.88	\$943,386	\$94,339
Softball / Baseball Fields	1990	2020	430,000	\$1.50	\$643,677	\$21,456
Intramural Fields East	2016	2046	492,000	\$0.42	\$206,733	\$6,891
Intramural Fields West	2008	2038	246,000	\$0.42	\$103,366	\$3,446
Housing Recreational Fields	2005	2025	3 b-ball/3 v-ball	\$32,248	\$193,489	\$9,674
Ryder Center - Fieldhouse Turf	2015	2025	46,500	\$15.04	\$699,145	\$69,915
<b>Outdoor Facilities</b>						
Football Stadium Bleacher Area	1995	2030	17,800	\$60.40	\$1,075,158	\$30,719
Amphitheatre & Bell Tower	1996	2046			\$1,031,234	\$20,625
Soccer Bleachers	2007	2042	200	\$60.40	\$12,080	\$345
Baseball Bleachers	2007	2042	4,500	\$60.40	\$271,810	\$7,766
Softball Bleachers	2007	2042	2,400	\$60.40	\$144,965	\$4,142
<b>Site Furnishings</b>						
Benches	2009	2024	82	\$3,225	\$264,446	\$17,630
Trash Cans	2009	2024	160	\$860	\$137,612	\$9,174
Directory Signs	1990	2020	15	\$5,374	\$80,617	\$2,687
Information Kiosks	1990	2020	2	\$10,749	\$21,498	\$717
University Village Signs	2009	2024	2	\$4,300	\$8,601	\$573
Pine Grove Signs	2009	2024	1	\$4,300	\$4,300	\$287
Campuswide Wayfinding Signs	2016	2036	1	\$302,011	\$302,011	\$15,101
Main Entrance Sign	2004	2024	1	\$752,461	\$752,461	\$37,623
Cardinal Events Sign	2012	2022	1	\$96,414	\$96,414	\$9,641
College Drive Electronic Sign	2016	2031	1	\$65,654	\$65,654	\$4,377
I Love SVSU Sign	2014	2034	1	\$11,493	\$11,493	\$575
Bicycle Racks	2007	2027	97	\$448	\$43,433	\$2,172
Night/Day Fountain	1987	2037	1	\$175,297	\$175,297	\$3,506
Gazelle Fountain	1975	2025	1	\$131,473	\$131,473	\$2,629
North & South Pond Fountains	2011	2021	2	\$30,368	\$60,736	\$6,074
Otter Fountain	2013	2063	1	\$23,198	\$23,198	\$464
Secondary Entrance Signs	2007	2027	3	\$21,036	\$63,107	\$3,155
University HealthCare Signs	2009	2029	2	\$46,720	\$93,439	\$4,672
<b>Totals:</b>	<b>Lifespan: Varies</b>				<b>\$12,389,183</b>	<b>\$665,084</b>

### 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	\$494,213	\$9,884
Fiber	1996	2046	\$500,240	\$10,005
Aerial Fiber (24 Miles)	2005	2055	\$597,191	\$11,944
<b>Totals:</b>	<b>Lifespan: 50 or 80 years</b>		<b>\$1,591,643</b>	<b>\$31,833</b>

### 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	\$17.75	\$1,447,400	\$48,247
Fixtures	2013	2043	1,100	\$4,300	\$4,730,406	\$157,680
<b>Totals:</b>	<b>Lifespan: 30 years</b>		<b>82,630</b>		<b>\$6,177,806</b>	<b>\$205,927</b>