



Five-Year Facilities Master Plan

2019 - 2023

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SECTION I: MISSION STATEMENT

The Mission and Vision Statements for LSSU are provided below.

Mission Statement

Our mission at Lake Superior State University is to help students develop their full potential. We launch students on paths to rewarding careers and productive, satisfying lives. We serve the regional, state, national and global communities by contributing to the growth, dissemination, and application of knowledge.

Vision Statement

Our programs grow and evolve in ways that keep our graduates at the cutting edge of technological and societal advances. As such, we will be viewed by our constituents as:

- The preferred regional choice for students who seek a quality education which provides a competitive edge in an evolving job market.
- An institution where relevant concepts are taught by quality faculty, and are paired with practical real-world experience to provide a well-rounded education.
- An institution which capitalizes on its location to instill graduates with an understanding of environmental issues and an overarching desire to be responsible stewards of the environment.
- A University that is highly student centered and empowers all students to realize their highest individual potential.

SECTION II: INSTRUCTIONAL PROGRAMMING

Lake Superior State University offers the following degree programs. Programs range from professional to liberal studies and include areas such as Fine Arts, Engineering, Political Science, Nursing, Criminal Justice, and a wide range of sciences. A number of pre-professional degrees are also offered.

ACADEMIC PROGRAMS

Bachelor Degree Programs:

- Accounting: Bachelor of Science
- Biochemistry Pre-Professional: Bachelor of Science
- Biology: Bachelor of Science
- Business Administration: Bachelor of Science
- Business Administration - Entrepreneurship: Bachelor of Science
- Business Administration - International Business: Bachelor of Science
- Business Administration - Management: Bachelor of Science
- Business Administration - Marketing: Bachelor of Science
- Chemistry: Bachelor of Science
- Communication: Bachelor of Arts
- Computer Engineering: Bachelor of Science
- Computer Networking: Bachelor of Science
- Computer Science: Bachelor of Science
- Conservation Biology: Bachelor of Science
- Criminal Justice: Bachelor of Science
- Early Childhood Education: Bachelor of Science
- Electrical Engineering: Bachelor of Science
- Electrical Engineering Technology: Bachelor of Science
- Elementary Education: Bachelor of Arts/Science
- Elementary Education: Special Education - Learning Disabilities: Bachelor of Science
- English Language and Literature: Bachelor of Arts
- Environmental Health: Bachelor of Science
- Environmental Science: Bachelor of Science
- Finance and Economics: Bachelor of Science
- Fire Science - Generalist: Bachelor of Science
- Fire Science - Generalist Non Certification: Bachelor of Science
- Fish Health: Bachelor of Science
- Fisheries and Wildlife Management: Bachelor of Science
- Forensic Chemistry: Bachelor of Science
- General Studies: Bachelor of Arts/Science
- Geology: Bachelor of Science
- History: Bachelor of Arts/Science
- Individualized Studies: Bachelor of Arts/Science
- Kinesiology: Bachelor of Science
- Language Arts: Bachelor of Arts
- Literature: Bachelor of Arts
- Literature - Creative Writing: Bachelor of Arts
- Manufacturing Engineering Technology: Bachelor of Science
- Mathematics: Bachelor of Science
- Mechanical Engineering: Bachelor of Science
- Medical Laboratory Science: Bachelor of Science
- Nursing: Bachelor of Science
- Parks and Recreation: Bachelor of Science

- Physical Science: Bachelor of Science
- Political Science: Bachelor of Arts/Science
- Prelaw (non-degree)
- Pre-Medical
- Pre-Pharmacy (transfer program)
- Pre-Veterinary
- Psychology: Bachelor of Arts/Science
- Secondary Education: Bachelor of Arts/Science
- Social Science: Bachelor of Arts/Science
- Sociology: Bachelor of Arts/Science

Associate Degree Programs:

- Chemical Technology
- Chemistry
- Computer Science
- Criminal Justice-Corrections
- Criminal Justice-Homeland Security
- Criminal Justice-Law Enforcement
- Early Childhood Education
- Electrical Engineering Technology
- Fire Science
- General Engineering
- General Engineering Technology
- General Studies
- Health/Fitness Specialist
- Health Studies
- Internet/Network Specialist
- Liberal Arts
- Manufacturing Engineering Technology
- Marine Technology
- Natural Resources Technology
- Paramedic Technology
- Small Business Administration
- Social Work
- Substance Abuse Prevention and Treatment
- Technical Accounting

Certificate Programs:

- International Studies
- Manufacturing
- MCOLES
- Paramedic Training

Biological and Physical Sciences are strong programs that have great growth potential, particularly when the Center for Freshwater Research and Education (CFRE) is brought on line. Other traditional and interdisciplinary environmental programs will also be enhanced with access to the facility. The natural environs that surround LSSU support our outstanding natural resource programs, including fisheries and wildlife management, parks and recreation, environmental science, and geology. Our students are trained to hit the ground running when they start their careers. This has been confirmed by the Michigan Department of Natural Resources, whose fish production staff is made up of 75% LSSU graduates.

Significant growth in Business is projected over the next five years with the newly-renovated School of Business building (R.W. Considine Hall) now on line and fully operational. Moreover, the Lukenda School of Business recently received accreditation from the Accreditation Council for Business Schools & Programs (ACBSP). Going through the accreditation process has improved the quality of our already strong and well-received programs, and raised the visibility of our business school.

Other areas of projected growth that may be impacted by specific structural considerations include the Engineering Program that is proposing to request funding for an addition to its robotics laboratory in the near future. What's more, the Nursing Program received donated simulation manikins and seeks to partner with War Memorial Hospital to create a permanent home for its Simulation Center. Interest from local health providers, support from a major donor who is interested in saving lives, as well as support from the Board of Trustees has precipitated preliminary planning for this center.

Both the Fire Science Program and the Criminal Justice Program, which offers Public Safety and Homeland Security tracks, are looking to add suitable specific space to accommodate their unique laboratory, classroom, and office needs. We have less than ideal temporary solutions, with plans to find more appropriate long-term solutions to house these programs that educate Michigan's firefighters, police, correction officers, paramedics, and other first responders. These combined programs have great growth potential.

UNIQUE CHARACTERISTICS OF THE UNIVERSITY

LSSU's board of trustees is expected to approve the following mission statement at their Nov. 3, 2017 meeting. "We equip our graduates with the knowledge, practical skills and inner strength to craft a life of meaningful employment, personal fulfillment, and generosity of self, all while enhancing the quality of life of the Upper Great Lakes region."

This mission statement was drawn from 22 different "Listening Sessions" held with all major University constituencies in preparation for the search for the next President. Every session discussed the same questions, five of which relate to strengths, challenges, opportunities and dreams. Student surveys have indicated that students are drawn to LSSU for its small campus atmosphere and unique programs. Courses of study at the University range from renowned professional programs, such as engineering, fisheries & wildlife, and fire science, to traditional liberal arts programs.

The University's location plays an important role in its academic mission. The region's abundant natural resources, international setting, rich heritage and large Native American population provide ample opportunity for the institution to design and offer academic programs appropriate to its mission.

Successful partnerships with charter schools, community colleges, other Michigan public universities, and other area agencies and institutions have created positive educational and economic impacts. The University continues to reach out to area residents, businesses, governments, social agencies and public and private institutions to develop new and more effective activities and programs. LSSU is working in earnest to develop additional certificate programs to serve the needs of students, employers, and entrepreneurs throughout the

state. Finally, Transfer Guides have been developed with multiple community colleges, including Alpena, Bay, Lansing, North Central, and Northwestern Michigan, in the areas of business, education, engineering, nursing and more.

INITIATIVES WHICH MAY IMPACT FACILITIES USAGE

The University's South Hall Renovation Project (now R.W. Considine Hall) has had a significant impact on the usage of other facilities since coming on line in January 2017. Considine Hall is now completely renovated, creating a new home for the Lukenda School of Business, including fifteen offices for faculty and staff. Moreover, the new facility provides classroom space for programs all across campus. Space in the Library vacated by the School of Business has been assigned to College of Arts and Sciences administration, allowing their former space to be utilized by the School of Education. This places the School of Education at the "hub of campus", near the Faculty Center for Teaching and other academic resources key to student success. Finally, faculty and staff in the Fire Science program have relocated to space in the Center for Applied Science and Technology vacated by the School of Education.

The mission of the LSSU's Aquatic Research Laboratory (ARL) is to combine education and research on aquatic organisms and their associated habitats within the Great Lakes basin to serve the academic, scientific, and public communities. LSSU is developing plans for a new facility to be called the Center for Freshwater Research and Education (CFRE). This facility will address the ARL's current and future research, outreach, and educational limitations and allow for the achievement of many goals that are vitally important to Great Lakes freshwater resources. This is Lake Superior State University's number one priority for capital outlay and was submitted to the State of Michigan for funding consideration. Planning authorization was granted by the State in 2016. This facility will continue, and greatly expand, the work of our faculty, staff and students to provide premiere training, education, and research in fish, fish health and water quality. There are state and federal initiatives supporting demand for training in the scientific and educational fields provided by CFRE. In terms of talent and dollar attraction, retention and commercial spillovers, the State of Michigan has much to gain by growing and marketing Michigan's water research/education centers of excellence.

A 5,500 square foot addition to the Center for Applied Sciences and Technology has been proposed by the School of Engineering & Technology and was submitted to the State of Michigan as LSSU's 2015 Capital Outlay Request. This addition would permit the institution to further expand the current appeal of robotics by incorporating mobile and service robots into its laboratory portfolio. The expanded laboratory facilities would include a water tank suitable for remotely-operated vehicles testing and acoustic testing. The facility is projected to grow enrollments in Engineering by as much as 50%, while simultaneously contributing to the economy and environment of the State of Michigan in three key areas: (1) Robotics & Automation; and, (2) Automotive vehicle development; and, (3) Great Lakes environment and maritime economy, with a focus on dynamic testing of handling and noise vibration and harshness performance, and modern vehicle dynamic control systems. LSSU's Engineering Program has a history of over 30 years in robotics, and it is among the top undergraduate programs in the nation. We are competing with programs much larger than ours, with space that is just barely adequate. The addition is very important for the university to maintain its leadership position among peers. There is an incredible demand for the graduates of robotics and other engineering programs offered at LSSU. LSSU's engineering graduates with the robotics specialization have 100% placement with starting salaries over \$60,000/year. Further, robotics

application in surgery, military, and human service is also rapidly expanding. We need to be ready to supply Michigan the talent it needs to respond to this trend which will be vital to growing our economy.

A future goal of the University is to build a permanent fire hall/classroom facility for the Fire Science Program. An appropriate setting would provide a real life experience and allow students to study in a facility that is similar to what they would find on the job as a fireman. A new facility would certainly attract more students to this popular program. The Fire Science Program currently resides in the Center for Applied Science and Engineering Technology, having moved there this past year from the Norris Center. The curriculum and activities of the Fire Science courses are pretty rough on facilities creating excessive wear and tear on the Center, not built to withstand such noise and abuse.

The space recently vacated by Fire Science in its former home (Norris Center) was claimed by the Criminal Justice Program for classroom and simulation use. To enable the real-world training needs of these students, the university has entered into a lease with the City of Sault Ste. Marie to rent a vacant building for this purpose. We are now looking at purchasing that facility from the city.

LSSU will be partnering with the Eastern Upper Peninsula Intermediate School District (EUPISD) to launch an Early Middle College for our three-county region this coming year. In addition, a Career and Technical Education millage approved in May 2017 provides the opportunity for the University to partner in providing learning experiences and certificate programs to these area students.

Lake Superior State University has been working to comply with the Americans with Disabilities Act accessibility standards and a resolution signed on December 18, 2013 with the Department of Education, Office of Civil Rights to make accessibility improvements. As a historic campus with a long list of deferred maintenance projects, this has been a real challenge. We have identified ADA projects in our five-year facilities assessment plan to comply with our resolution agreement.

ECONOMIC IMPACT OF CURRENT AND FUTURE PROGRAMS

It was estimated that each student who attends Lake Superior State University brings \$45,000 worth of economic activity to the region, for a total economic impact of \$113 million per year, according to a 2013 study undertaken by a LSSU professor and a senior finance and economics major. LSSU houses several laboratories and centers which contribute to the economic vitality of the region, both directly and indirectly. Some of these entities are highlighted below:

LSSU's Aquatic Research Laboratory (ARL) is a research and educational facility situated just a mile from campus on the St. Marys River. The ARL plans to move to a new Center for Freshwater Research and Education (CFRE), where it can truly be an international center of education, research, and development, producing new technologies and methodologies around smart use of freshwater. Michigan, with its freshwater Great Lakes, is one of the few places that can provide a sustainable platform for long-term population and economic growth. LSSU's CFRE is in the heart of the upper Great Lakes and will play a significant role in developing Michigan's economic advantage.

LSSU's Product Development Center provides the necessary engineering design tools, engineering staff, materials analysis, product packaging guidance, software development and other services to develop a functioning prototype. This program has assisted numerous entrepreneurs and second-stage companies to create and market their products. Additionally, student projects assist regional companies in their product or process development, while others serve as the basis for launching new businesses.

The **Robotics and Automation Laboratory** at LSSU is one of the best educational facilities in this field in North America, with a 30-plus year history. Laboratory equipment includes Fanuc, Staubli, and Kuka robot lines, conveyor systems, vision systems, sensors, and rotary index tables, which use a variety of software and programmable logic controllers (PLCs). Tremendous growth of about 35% per year in robotics applications in manufacturing is occurring. Automation and robotics industries specifically seek out LSSU graduates because of this unique educational niche.

The **Business Engagement Center** provides a private sector 'Front Door' to LSSU. Connections are provided to campus researchers and labs and SSMART, the local Smartzone. LSSU is now a Michigan Corporate Relations Network (MCRN) affiliate working with the other Michigan universities to assist small companies.

The **Environmental Analysis Laboratory (EAL)** at LSSU provides analysis services to state, federal, and local environmental monitoring programs emphasizing education, research, and community service. US Environmental Protection Agency and MI Department of Environmental Quality approved analytical protocols are followed on all analyses allowing data from the Environmental Analysis Laboratory to be included in appropriate state databases. By providing the community with technical assistance for water quality analysis and monitoring, links are established between graduating seniors and potential employers.

The **Kemp Mineral Resources Museum** is on the first floor of Crawford Hall at Lake Superior State University. Named after Prof. Ernest Kemp, a geologist and founder of the earth sciences program at LSSU, the museum contains examples of minerals and ore indigenous to Sault Ste. Marie, upper Michigan and northern Ontario and features a history of the area from its formation to the present. Exhibits in the museum's three sections - geology, resources and society - demonstrate how mineral and energy resources are non-renewable and should be maintained and protected. Visitors are introduced to the immensity of geologic time, familiar products and their mineral origins, and the positive social impacts of the extraction and use of selected regional resources.

The **Benjamin H. Long Planetarium** at LSSU has public shows several times a year, and is open to school and community groups by appointment. We not only have the capabilities for traditional star shows, but recent upgrades have added capabilities for digital full dome film projection as well.

The **Arts Center** at LSSU is home to an array of exciting live performances and visual presentations by visiting and local artists, as well as speakers addressing social, cultural, and intellectual concerns. It also provides dedicated space for the training of Lake State's visual and performing arts students. By providing quality programming and engaging community outreach, and through the work of highly qualified faculty and staff, the Arts Center serves to fully integrate the fine and performing arts into the liberal education that all LSSU students

experience, as well as the lives of the people of the Great Lakes region. Facilities include a 674-seat theatre, black box theatre, visual arts and music studio space, as well as traditional classroom space. The permanent collection of the Arts Center Gallery includes the L. F. Noyes Collection of Native American and Western Art.

The **Superior Simulation Center** is an innovative instructional and learning environment providing challenging, immersive simulation training for nurses, paramedics, and other health care professionals at Lake Superior State University and in our region. Through the use of the latest medical simulation technologies, the Superior Simulation Center serves to facilitate knowledge acquisition, skill proficiency, and patient care expertise for LSSU students and other learners in the healthcare field. At our Center, human patient simulators (manikins), ranging in age from infant to adult, are used to simulate real-life patient care experiences, including inter-professional medical and emergency situations. Computer programs that regulate the manikin's actions augment the reality of manikin-based simulations, and allow for real-time feedback to learners. Using manikins in clinical simulations allows current and future health care providers the opportunity to engage in patient care in a safe and regulated environment, helping them gain competence and confidence in their clinical patient care skills.

The **Exercise Performance Laboratory** at LSSU is a fully functional laboratory offering a wide range of assessment and therapeutic modalities. Working hand in hand with our athletic program (pre and post season testing), hands on opportunities for the student abound. The instructional suite includes a prioritized classroom, observation room, and main laboratory. Features of the lab include a full cadre of assessment technologies from laboratory grade measures (e.g. VO₂, ECG, blood chemistry profiles) to performance (e.g. force production, movement analytics) to therapeutic modalities (e.g. laser therapy, ultra sound, electro-stimulation) and more.

SECTION III: STAFFING AND ENROLLMENT

CURRENT FULL AND PART-TIME STUDENT ENROLLMENT

This fall's enrollment fell to 1960 students, down about 7.5% from last year. Average enrollment decline over the last 5 years has been about 2.8% per year. There was not much change in the fall to fall retention of new full-time degree seeking freshmen.

This fall, about 20% of our enrollment is part time, 95% of course enrollments are on the home campus, 1% at regional sites, 3% off campus or at other campuses, and about 1% delivered through distance education. Most courses are delivered in a classroom or lab setting; a few are provided through the internet or by tape delay.

FIVE-YEAR PROJECTION OF ENROLLMENT PATTERNS

Enrollment at LSSU has been decreasing over the last several years. To address the decline, the University has launched several efforts to turn enrollment around. The Enrollment, Admissions, and Retention areas have been reorganized and new leadership put into action. A four-year \$1.7M contract with EAB Royal & Company was executed in September, 2017. The relationship is expected to bring 100 new student to LSSU by fall 2018. New initiatives in social media were implemented and communication strategies with prospective students have been completely revamped. LSSU continues to develop new articulation agreements with community colleges and Canadian colleges.

LSSU is continuing its One-Rate tuition program. Under the program, tuition for residents of North America are all charged the same tuition rate. The program is designed to attract academically talented students to enhance Michigan's economy, intellectual capital, and overall environment. LSSU was the first university in the state to establish a set tuition rate for all North American students making LSSU open and affordable to a wider range of students.

Historically, as a small regional public university, LSSU's focus has been on serving the needs of its region. Distance learning initiatives have been met with various challenges. However the University continues to investigate various distance learning technologies for their academic appropriateness and cost efficiency.

Lake Superior State University is in its seventh year being recognized by GI Jobs as a Military Friendly School which honors the 15% of the country's colleges and universities that do the most to welcome military veterans and enhance their experience as students. It is an important part of the mission and history of Lake Superior State University to assist veterans as they make the transition to higher education after serving our country. Interest in our programs from veterans and their families grew last year.

LSSU is interested in growing its non-traditional returning adult student population. Many adults in our area have some college but never obtained a degree. About 40 percent of all college students are older than 25, according to U.S. Education Department data. LSSU's non-traditional population is currently significantly less than that, meaning our program delivery is

currently not meeting the needs of the non-traditional student. We are working to change that by working on models and methods of delivery that will make obtaining a degree possible at any age and for most situations.

The University is committed to growing both on the home campus, in the regional centers and through new online programs. Action plans continue to be formulated to support increased enrollment and retention. New initiatives with the potential to support enrollment growth are being investigated by a new shared governance task force. Initially charged with researching a one-class-at-a-time concept, the task force has opened dialog to other initiatives.

PAST FIVE YEAR ENROLLMENT HISTORY EVALUATION

As Michigan's economy has continued to struggle over the last few years, so has LSSU's enrollment. Additionally, due to its size, economy of scale and student demographics, Lake Superior State University has been adversely impacted by lower than historical funding from State appropriations and by the State not fully funding the Michigan Indian Tuition Waiver. LSSU does not actively recruit a large segment of graduating seniors (Native Americans) in its prime area that it would otherwise because it is not advantageous for the University to accept students that do not pay tuition.

Enrollment declines in recent years have been experienced in Education, Fire Science, Athletic Training, Business, Criminal Justice, Chemistry, Computer Science, and Pre-Nursing. Some stability or growth was noted in the programs of Biology, Psychology, and Engineering.

STUDENT:FACULTY AND STUDENT:ADMINISTRATOR RATIOS

The University's current student/full-time faculty ratio is 15 to 1. Maintaining a low student to faculty ratio is considered a major strength of the University, emphasizing as it currently does undergraduate education. Additionally, our students are in classes with qualified faculty, not graduate or teaching assistants. The student/administrative ratio is 20 to 1.

FUTURE STAFFING NEEDS

Decisions about future staffing will be driven by academic programs demonstrating sustained enrollment growth and by providing, or enhancing, services that directly benefit students. A number of staffing cuts were made last year and many vacant positions were not filled due to decreasing tuition revenue. The University is currently reviewing its staffing levels across campus as well as revenue enhancing areas.

AVERAGE CLASS SIZE

Consistent with its mission emphasizing undergraduate education, for fall 2017, more than 80% of the main campus course lecture sections enrolled fewer than 30 students and 205 laboratory classes had fewer than 20 students per class. There are no planned programming changes that would suggest that this would not remain fairly stable for the foreseeable future.

SECTION IV: FACILITY ASSESSMENT

SUMMARY DESCRIPTION OF FACILITIES

A comprehensive building-by-building Facility Assessment Report addressing information requested by the State of Michigan is included as an appendix to this document. This assessment report is regularly updated. This plan identifies the considerable needed repairs and improvements for the next five-years, reflecting the substantial deferred maintenance associated with a campus that includes many aging, historical buildings.

Some of the information requested can be found in the body of the Facility Assessment Report by building. Specifically included in the individual building reports is information related to:

- Applicable Mandatory Facility Standards
- Functional and Space Allocation
- Replacement Value
- Utility Systems Condition
- Facility Infrastructure Condition

Other requested items are more global in nature or only summary information is available and is included in this section.

UTILIZATION RATES

Utilization of academic space is reviewed each semester to ensure existing spaces are fully utilized. This data also provides important information needed for assessing future campus space requirements. The chart below summarizes this fall’s utilization rates in lecture rooms, laboratories, and other building academic spaces. Rates are looked at for 45 hour weeks (M-F, 8am-5pm) and 65 hour weeks (M-F, 8am-9pm).

University Space Utilization						
Building	Average % Use Lecture Room 45 hr Week	Average % Use Lecture Room 65 hr Week	Average % Use Labs 45 hr Week	Average % Use Labs 65 hr Week	Average % Use Total Building 45 hr Week	Average % Use Total Building 65 hr Week
Arts Center	36%	35%	17%	14%	20%	19%
Center of Applied Science and Engineering Technology	46%	35%	20%	19%	30%	25%
Crawford Hall of Science	47%	37%	31%	31%	45%	37%
KJS Library	48%	39%	24%	20%	31%	25%
Norris Center	39%	37%	22%	15%	35%	33%
Campus Wide	44%	31%	16%	13%	20%	16%

INFRASTRUCTURE CONDITION AND ADEQUACY

The University plans and budgets to address repairs and replacements and prioritizes the deferred maintenance of its aging buildings and infrastructure to the fullest extent possible but will never expect to be able to fully catch up with the backlog of deferred maintenance without assistance.

Research studies indicate that every \$1 of deferred maintenance results in \$4 of capital renewal costs in the future. We prioritize based on safety and student needs. We also consider the severity of a maintenance issue, meaning it will cost more to fix later if we don't fix it now or there is an imminent threat of failure. Recently we have re-prioritized in order to comply with ADA standards that are required by law. Deferred maintenance costs in Michigan's schools and universities is a big challenge, but particularly challenging to the smallest Michigan university with many beautiful, but aging, historic structures.

While there are still many needs to attain very good condition of all buildings and infrastructure, we are proud of how the campus looks. The campus grounds are a point of pride for the University and the City of Sault Ste. Marie and serves to attract students to our campus as well as many visitors. Additionally, attention has been given to underlying infrastructure that you can't see but is important to long-term sustainability and safety, such as the repair of underground utilities, electrical switch gears, and elevator retrofitting. Most of the planning is done in-house but the University secures professional assistance for architectural, engineering, landscaping and other facility planning and analysis as necessary. More attention has been given to equipment, technology, and classroom furnishings in recent years as well. The University's Strategic Plan serves as a guide in prioritizing projects. Some of the most recent projects and improvements are highlighted below.

- Cisler roof replacement
- Osborn ADA ramp
- Osborn ADA bedroom
- Osborn community kitchen
- Crawford culture lab
- Brady concrete deck seal and stair repairs
- Brady chimney tuck point
- Installation of new steam boiler in Laker hall
- Installation of new steam boiler in the Alumni House
- Athletic office new carpet installation
- Crawford NMR electrical, HVAC, and emergency backup power
- Fire suppression upgrades IT Data Center
- CASET roof repair
- Library roof repair
- Library office carpet replacement
- Library 288 and 211 carpet replacement
- Considine landscape installation
- Crawford loading dock access road
- G lots expansion and overlay
- New access road to G lot
- CASET concrete west entrance replacement

- Cold storage concrete floor repair
- Expanded cold storage for rink Butler building
- Steam tunnel access lid replacement north of Norris

LAND OWNED BY THE UNIVERSITY

The 115-acre campus of Lake Superior State University is situated on the site of the former U.S. Army's Fort Brady which overlooks Sault Ste. Marie, Michigan and Sault Ste. Marie, Ontario, the St. Marys River, and the Soo Locks, the busiest locks in the world. Fourteen of LSSU's buildings are listed on various historic registers creating a unique campus environment. The university also owns a few donated parcels, a couple of which are used for laboratory/research, including the ARL, and the rest it holds for resale.

OBLIGATIONS TO THE STATE BUILDING AUTHORITY

The State holds title to Lake Superior State University's Arts Center until December 31, 2039 (a 30 year lease). The State holds title to Lake Superior State University's Considine Hall until September 1, 2052 (a 35 year lease).

SECTION V: IMPLEMENTATION PLAN

PRIORITIZATION OF CAPITAL PROJECTS REQUESTED FROM THE STATE

Number 1 for 2018: Center for Freshwater Research and Education (CFRE).

Number 1 for 2020: CASET Building Addition remains a top priority.

DEFERRED MAINTENANCE

Current deferred maintenance backlog for general fund facilities is currently estimated at \$5,009,000. The Vice President for Finance and Operations works with the Director of Facilities Management to determine what projects will be undertaken in any given fiscal year. Input from the campus is gathered via the Shared Governance process. The Shared Governance process provides input prioritizing and continually re-evaluating our most important needs.

STATUS OF ON-GOING STATE PROJECTS

Lake Superior State University's School of Business Building was approved for construction under PA 102 of 2013. Construction began in May 2015 on this \$13.5 million project with a projected substantial completion date of January 2017. The facility was occupied in January of 2017 and all expenditures will be complete by December of 2017.

Governor Snyder enacted Public Act 268 of 2016, a Fiscal Year 2016 appropriations act that authorized planning for Lake Superior State University's Center for Freshwater Research and Education (CFRE) project July 13, 2016. LSSU is working with an A&E firm and external partners in development of plans for the facility. Fundraising has begun and about 50% of the necessary matching funds have been pledged.

RATE OF RETURN ANTICIPATED ON PLANNED EXPENDITURES

The CFRE project will allow LSSU to begin significant research activity in the Great Lakes region and attract new students to LSSU. About 40% of all MDNR fisheries biologists and 75% of fish production staff are LSSU graduates; therefore expansion of the program will have significant impact on the MDNR. Additionally, LSSU provides the majority of all Atlantic Salmon in the Great Lakes (A multi-million dollar industry for Michigan).

ALTERNATIVES TO NEW INFRASTRUCTURE

The School of Business building was a renovation of a historical building. The Center for Freshwater Research and Education will be new construction.

MAINTENANCE SCHEDULE FOR MAJOR ITEMS

No major renovation or maintenance projects in excess of \$1 million are planned for 2018. The CFRE program has been authorized by the State for Planning and once approved for construction, would result in \$11,800,000 of new construction.

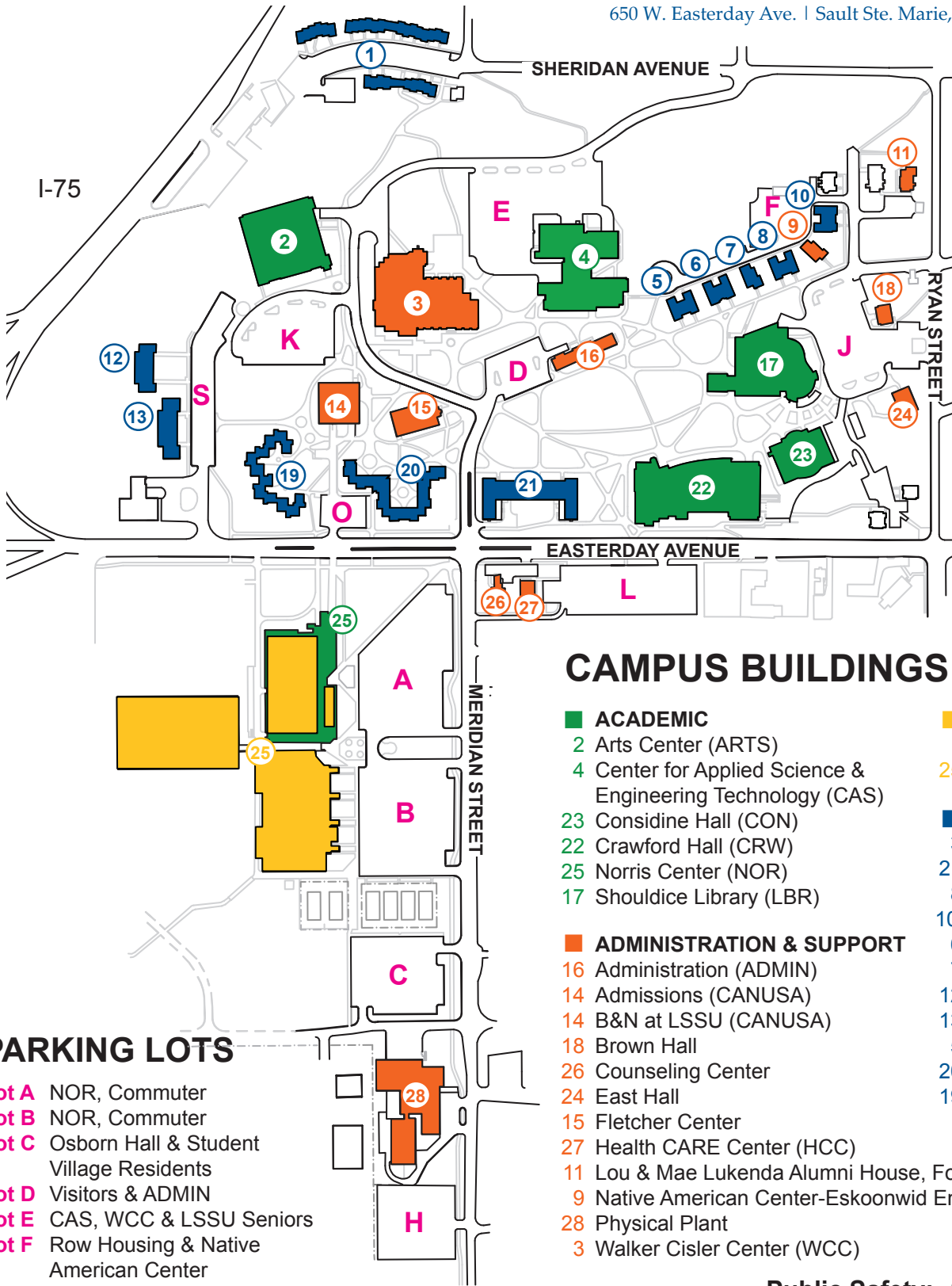
CURRENT BUDGETED FOR NON-ROUTINE MAINTENANCE

The University has budgeted \$100,000 in our minor construction line item and \$300,000 in a Plant Fund for general non-routine maintenance. Additionally, the housing and food service auxiliaries will contribute approximately \$496,000 to a reserve and replacement fund.

Appendix

Five-Year Facility Assessment

2019 - 2023



CAMPUS BUILDINGS

ACADEMIC

- 2 Arts Center (ARTS)
- 4 Center for Applied Science & Engineering Technology (CAS)
- 23 Considine Hall (CON)
- 22 Crawford Hall (CRW)
- 25 Norris Center (NOR)
- 17 Shouldice Library (LBR)

ADMINISTRATION & SUPPORT

- 16 Administration (ADMIN)
- 14 Admissions (CANUSA)
- 14 B&N at LSSU (CANUSA)
- 18 Brown Hall
- 26 Counseling Center
- 24 East Hall
- 15 Fletcher Center
- 27 Health CARE Center (HCC)
- 11 Lou & Mae Lukenda Alumni House, Foundation
- 9 Native American Center-Eskoonwid Endaad
- 28 Physical Plant
- 3 Walker Cisler Center (WCC)

ATHLETICS & RECREATION

- 25 Norris Center (NOR)

HOUSING

- 3 Office (WCC)
- 21 Brady Hall
- 8 Chippewa Hall
- 10 Erie Hall
- 6 Huron Hall
- 7 Laker Hall
- 12 Moloney Hall
- 13 Nevue Hall
- 5 Ontario Hall
- 20 Osborn Hall
- 19 Student Village
- 1 Townhouses

PARKING LOTS

- Lot A** NOR, Commuter
- Lot B** NOR, Commuter
- Lot C** Osborn Hall & Student Village Residents
- Lot D** Visitors & ADMIN
- Lot E** CAS, WCC & LSSU Seniors
- Lot F** Row Housing & Native American Center
- Lot H** Brady Hall Residents
- Lot J** LBR, Faculty, Staff and Library Visitors
(library visitors pick up day permit from circulation desk)
- Lot K** Admissions, ARTS, Bookstore, WCC, Fletcher, Visitors
- Lot L** Osborn & Student Village Residents
- Lot O** Osborn & Student Village Residents (temporary - day parking only)
- Lot S** Moloney & Nevue Residents
- Lot T** Townhouse Residents

Public Safety: 906-635-2100

Admissions: 906-635-2231

Switchboard: 906-632-6841

Visitors need to register with Public Safety to obtain day permit (ADMIN)
No parking on any university drive

General Building Information

Building	Building Type	Gross Square Feet	Original Construction	Renovations & Additions
Administration	General	17,247	1920	1946
Alumni	General	4,462	1920	
Arts	General	63,791	2004	
Brady	Auxiliary	48,896	1939	
Brown	General	4,768	1920	1965
Canusa	General	15,091	1967	
CASET	General	82,055	1981	
Center for Freshwater Research and Education	General	16,350	1905	
Central Heating	General	10,376	1969	
Chippewa	Auxiliary	7,752	1920	1996
Cisler	Auxiliary	86,685	1973	1994
Considine Hall	General	33,812	1920	1946, 2016
Crawford	General	121,599	1964	1974, 2000
East	General	3,939	1900	
Easterday	Auxiliary	3,500	1920	
Erie	Auxiliary	8,766	1901	
Eskoonwid Endaad (NAC)	General	5,078	1920	
Fire Science	General	800	1998	
Fletcher	General	14,540	1936	1977
Gate House	General	767	1921	
Health Care Center	General	2,540	1990	
Hillside House	Auxiliary	5,064	1920	2001
Housing Storage Building	Auxiliary	2,800	1995	
Huron	Auxiliary	8,766	1901	2011
Ice Arena Storage Building	General	642	1995	
Kenneth J Shouldice Library	General	103,584	1971	1996
Laker	Auxiliary	4,506	1920	
Meridian Storage Building	General	736	1940	
Michigan	General	1,676	1920	
Moloney	Auxiliary	16,824	1969	
Neveu	Auxiliary	13,203	1970	
Norris	General	209,928	1974	1995
Ontario	Auxiliary	7,752	1920	1994
Osborn	Auxiliary	47,476	1967	
Pianosi Maintenance	General	35,464	1977	
President's House	General	7,027	1920	
Row Housing Storage Building	Auxiliary	1,920	1999	
Ryan House	Auxiliary	3,456	1920	
Student Activities Center	General	69,095	1999	
Student Village	Auxiliary	48,192	1970	
Townhouses	Auxiliary	29,665	1974	
Young's House	General	1,426	1959	
*Marquette Hall (Offline)	Auxiliary	15,719	1968	

Building Condition Ratings

Building	Building Type	Scheduled Repairs	2017 Value	FCI	Rating	Deferred Maintenance Backlog
Considine Hall	General	\$ -	\$15,000,000	0.00%	Good	\$ -
Fire Science	General	\$ -	\$125,160	0.00%	Good	\$ -
Ice Arena Storage Building	General	\$ -	\$62,468	0.00%	Good	\$ -
Arts	General	\$ 26,000.00	\$17,097,751	0.15%	Good	\$ -
Moloney	Auxiliary	\$ 8,000.00	\$4,324,189	0.19%	Good	\$ 550,000.00
Neveu	Auxiliary	\$ 17,000.00	\$3,393,501	0.50%	Good	\$ 550,000.00
Student Activities Center	General	\$ 150,000.00	\$11,582,050	1.30%	Good	\$ 165,000.00
Kenneth J Shouldice Library	General	\$ 570,000.00	\$37,368,196	1.53%	Good	\$ -
Health Care Center	General	\$ 8,000.00	\$450,464	1.78%	Good	\$ -
Crawford	General	\$ 1,235,000.00	\$65,362,802	1.89%	Good	\$ 705,000.00
East	General	\$ 20,000.00	\$880,368	2.27%	Good	\$ -
CASET	General	\$ 742,000.00	\$20,924,312	3.55%	Good	\$ 135,000.00
Brown	General	\$ 44,000.00	\$1,065,647	4.13%	Good	\$ 94,000.00
Student Village	Auxiliary	\$ 515,000.00	\$12,386,551	4.16%	Good	\$ 90,000.00
President's House	General	\$ 70,000.00	\$1,570,535	4.46%	Good	\$ 4,000.00
Pianosi Maintenance	General	\$ 243,000.00	\$5,328,910	4.56%	Good	\$ -
Ryan House	Auxiliary	\$ 38,000.00	\$772,417	4.92%	Good	\$ 12,000.00
Erie	Auxiliary	\$ 97,000.00	\$1,959,202	4.95%	Good	\$ 148,000.00
Cisler	Auxiliary	\$ 802,532.00	\$14,997,186	5.35%	Fair	\$ 755,000.00
Canusa	General	\$ 185,000.00	\$3,089,753	5.99%	Fair	\$ 71,000.00
Housing Storage Building	Auxiliary	\$ 15,000.00	\$241,382	6.21%	Fair	\$ -
Ontario	Auxiliary	\$ 110,000.00	\$1,732,571	6.35%	Fair	\$ -
Row Housing Storage Building	Auxiliary	\$ 10,000.00	\$145,276	6.88%	Fair	\$ -
Chippewa	Auxiliary	\$ 130,000.00	\$1,732,571	7.50%	Fair	\$ -
Alumni	General	\$ 76,500.00	\$997,256	7.67%	Fair	\$ 165,000.00
Eskoonwid Endaad (NAC)	General	\$ 90,000.00	\$1,134,934	7.93%	Fair	\$ 23,000.00
Gate House	General	\$ 13,000.00	\$150,416	8.64%	Fair	\$ -
Townhouses	Auxiliary	\$ 668,000.00	\$7,624,647	8.76%	Fair	\$ 250,000.00
Huron	Auxiliary	\$ 187,000.00	\$1,959,202	9.54%	Fair	\$ -
Central Heating	General	\$ 418,000.00	\$4,348,955	9.61%	Fair	\$ -
Meridian Storage Building	General	\$ 7,500.00	\$70,683	10.61%	Poor	\$ -
Brady	Auxiliary	\$ 1,514,000.00	\$12,567,496	12.05%	Poor	\$ 275,000.00
Administration	General	\$ 390,000.00	\$2,891,028	13.49%	Poor	\$ 656,000.00
Norris	General	\$ 3,493,000.00	\$24,417,042	14.31%	Poor	\$ 275,000.00
Young's House	General	\$ 8,000.00	\$54,248	14.75%	Poor	\$ 14,000.00
Fletcher	General	\$ 531,000.00	\$3,249,690	16.34%	Poor	\$ -
Laker	Auxiliary	\$ 169,000.00	\$1,007,092	16.78%	Poor	\$ -
Osborn	Auxiliary	\$ 2,067,000.00	\$12,202,521	16.94%	Poor	\$ 12,000.00
Michigan	General	\$ 72,000.00	\$327,762	21.97%	Poor	\$ 50,000.00
Easterday	Auxiliary	\$ 225,000.00	\$782,251	28.76%	Poor	\$ 10,000.00
Hillside House	Auxiliary	\$ 375,000.00	\$1,131,803	33.13%	Critical	\$ -
Center for Freshwater Research and Education	General	\$ -	\$329,095	-	N/A	\$ -
Totals		\$ 15,339,532.00	\$296,839,383			\$ 5,009,000.00

Scale:

Good	0-5%
Fair	5-10%
Poor	10-30%
Critical	30% +



LAKE SUPERIOR STATE UNIVERSITY

Administration Building

Description

Primary Use: University Administration Offices

Constructed: 1920 original with 1946 addition

Building Area: 17,247 square feet on 3 floors

Building Usage

Gross Area:	17,247 square feet	100%
Net Assignable Area:	11,728 square feet	68.0%
Circulation Area:	2,932 square feet	17.0%
Custodial Area:	259 square feet	1.5%
Mechanical Area:	604 square feet	3.5%
Construction Area:	1,725 square feet	10.0%

Mandated Facility Standards: N/A

Functionality: N/A

Replacement Value: (2017 valuation) \$2,891,028

Facility Condition Index: 13.49% (Poor)



Utility System Infrastructure: The entire building interior needs to be remodeled. The mechanical and electrical systems are old and inefficient. The space configuration does not meet the current needs and the building does not meet ADA standards for plumbing or multi-floor access. In 2016, the ac was patched and repaired for \$8,000. The building is listed on the Register of National Historic Places.



LAKE SUPERIOR STATE UNIVERSITY

ALUMNI HOUSE

Description

Primary Use: Alumni Offices

Constructed: 1920

Building Area: 4,462 square feet on 3 floors

Building Usage

Gross Area:	4,462 square feet	100%
Net Assignable Area:	3,034 square feet	68.0%
Circulation Area:	759 square feet	17.0%
Custodial Area:	67 square feet	1.5%
Mechanical Area:	154 square feet	3.5%
Construction Area:	446 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$997,256

Facility Condition Index: 7.67% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems. In 2012 the main sanitary line was replaced. In 2016, a new boiler was installed. However, this facility is circa 1920 and needs extensive work to be brought into the 21st century.



LAKE SUPERIOR STATE UNIVERSITY

ARTS CENTER

Description

Primary Use: Auditorium, Classrooms & Support Spaces

Constructed: Construction Completed 2004

Building Area: 63,791 square feet on 3 floors

Building Usage

Gross Area:	63,791 square feet	100.0%
Net Assignable Area:	35,723 square feet	56.0%
Circulation Area:	12,120 square feet	19.0%
Custodial Area:	128 square feet	0.2%
Mechanical Area:	8,038 square feet	12.6%
Construction Area:	7,783 square feet	12.2%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$17,097,751

Facility Condition Index: 0.15% (Good)



Utility System Infrastructure:

This facility was opened in August of 2005 for classes and performances. The infrastructure is new and in excellent condition.



LAKE SUPERIOR STATE UNIVERSITY

BRADY HALL

Description

Primary Use: Student Residence

Constructed: 1939

Building Area: 48,896 square feet on 3 floors

Building Usage

Gross Area:	48,896 square feet	100%
Net Assignable Area:	39,117 square feet	80.0%
Circulation Area:	3,423 square feet	7.0%
Custodial Area:	489 square feet	1.0%
Mechanical Area:	978 square feet	2.0%
Construction Area:	4,890 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$12,567,496

Facility Condition Index: 12.05% (Poor)



Utility System Infrastructure:

Building infrastructure is in good condition with no major problems. However, the building is circa 1939 and needs renovation work to be brought into the 21st century. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

BROWN HALL

Description

Primary Use: Administrative Offices

Constructed: 1920 original with 1965 renovation

Building Area: 4,768 square feet on 3 floors

Building Usage

Gross Area:	4,768 square feet	100%
Net Assignable Area:	3,242 square feet	68.0%
Circulation Area:	811 square feet	17.0%
Custodial Area:	72 square feet	1.5%
Mechanical Area:	167 square feet	3.5%
Construction Area:	477 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,065,647

Facility Condition Index: 4.13% (Good)



Utility System Infrastructure:

The building is in good condition. This building is circa 1920 and in need of a major renovation to bring it into the 21st century. Electrical, HVAC, and mechanical systems were updated in 2013. As of 2015, this building is being used by the Public Relations functions.



LAKE SUPERIOR STATE UNIVERSITY

CANUSA / ADMISSIONS

Description

Primary Use: Barnes and Noble/ Admissions
Constructed: 1967
Building Area: 15,091 square feet on 2 floors
Admissions: 3,000 square feet
Barnes and Noble: 12,091 square feet

Building Usage

Gross Area:	15,091 square feet	100%
Net Assignable Area:	10,262 square feet	68.0%
Circulation Area:	2,565 square feet	17.0%
Custodial Area:	226 square feet	1.5%
Mechanical Area:	528 square feet	3.5%
Construction Area:	1,509 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$3,089,753

Facility Condition Index: 5.99% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems. Admissions was relocated to Canusa in 2015 following a complete renovation of 3,000 square feet of the east side of the first floor.



LAKE SUPERIOR STATE UNIVERSITY

CASET BUILDING

Description

Primary Use: Classrooms and Support Spaces

Constructed: 1981

Building Area: 82,055 square feet on 3 floors

Building Usage

Gross Area:	82,055 square feet	100%
Net Assignable Area:	59,080 square feet	72.0%
Circulation Area:	12,308 square feet	15.0%
Custodial Area:	1,231 square feet	1.5%
Mechanical Area:	2,051 square feet	2.5%
Construction Area:	7,385 square feet	9.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$20,924,312

Facility Condition Index: 3.55% (Good)



Utility System Infrastructure:

Building is in generally good condition.



LAKE SUPERIOR STATE UNIVERSITY

CENTER FOR FRESHWATER RESEARCH AND EDUCATION

Description

Primary Use: Education and research

Constructed: 1905

Building Area: 16,350 square feet on 3 floors

Building Usage

Gross Area:	16,350 square feet	100%
Net Assignable Area:	15,283 square feet	87.0%
Circulation Area:	759 square feet	9.8%
Custodial Area:	154 square feet	.6%
Mechanical Area:	154 square feet	2.6%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$329,095

Facility Condition Index: N/A



Utility System Infrastructure: The entire building interior needs to be remodeled. The mechanical and electrical systems are old and inefficient. The space configuration does not meet the current needs. The building does not meet ADA standards for plumbing or multi-floor access. The building is listed with National Civil Engineering Landmarks. Plans pending for a \$15,500,000 renovation, first floor.



LAKE SUPERIOR STATE UNIVERSITY

CENTRAL HEATING PLANT

Description

Primary Use: Campus Steam Generating Plant

Constructed: Original Construction, 1969

Building Area: 10,376 square feet on 2 floors

Building Usage

Gross Area:	10,376 square feet	100.0%
Net Assignable Area:	7,056 square feet	68.0%
Circulation Area:	1,764 square feet	17.0%
Custodial Area:	156 square feet	1.5%
Mechanical Area:	363 square feet	3.5%
Construction Area:	1,038 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$4,348,955

Facility Condition Index: 9.61% (Fair)



Utility System Infrastructure:

The building and boiler systems are in fair condition.



LAKE SUPERIOR STATE UNIVERSITY

CHIPPEWA HALL

Description

Primary Use: Student Residence
Constructed: 1920 with 1996 renovation
Building Area: 7,752 square feet on 3 floors

Building Usage

Gross Area:	7,752 square feet	100%
Net Assignable Area:	6,202 square feet	80.0%
Circulation Area:	543 square feet	7.0%
Custodial Area:	78 square feet	1.0%
Mechanical Area:	155 square feet	2.0%
Construction Area:	775 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,732,571

Facility Condition Index: 7.50% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems. In 2013, the hot water boiler was upgraded. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

CISLER CENTER

Description

Primary Use: Food Service, Classrooms,
Convention & Hospitality Center

Constructed: 1973 with 1994 addition

Building Area: 86,685 square feet on 2 floors

Building Usage

Gross Area:	86,685 square feet	100.0%
Net Assignable Area:	58,946 square feet	68.0%
Circulation Area:	14,736 square feet	17.0%
Custodial Area:	1,300 square feet	1.5%
Mechanical Area:	3,304 square feet	3.5%
Construction Area:	8,669 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$14,997,186

Facility Condition Index: 5.35% (Fair)



Utility System Infrastructure:

The building infrastructure is in generally fair condition with only some specific issues to be addressed in the Five-Year Capital Plan. As of 2015, major landscape improvements and interior renovations have been completed.



LAKE SUPERIOR STATE UNIVERSITY

CONSIDINE HALL

Description

Primary Use: Student Support & Classroom Space

Constructed: 1920 w/1946 and 2016 renos

Building Area: 33,812 square feet on 3 floors

Building Usage

Gross Area:	33,812 square feet	100.0%
Net Assignable Area:	22,654 square feet	67.0%
Circulation Area:	5,410 square feet	16.0%
Custodial Area:	338 square feet	1.0%
Mechanical Area:	1,352 square feet	4.0%
Construction Area:	4,057 square feet	12.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$15,000,000

Facility Condition Index: 0% (Good)



Utility System Infrastructure:

Total building renovation of \$15,000,000 completed fall of 2016.



LAKE SUPERIOR STATE UNIVERSITY

CRAWFORD HALL OF SCIENCE

Description

Primary Use: Chemistry, Biology, Forestry, Fire Science, Zoology, & Nursing Science

Constructed: 1964 with 1974 & 2000 additions

Building Area: 121,599 square feet on 3 floors

Building Usage

Gross Area:	121,599 square feet	100.0%
Net Assignable Area:	82,687 square feet	68.0%
Circulation Area:	20,672 square feet	17.0%
Custodial Area:	1,824 square feet	1.5%
Mechanical Area:	4,256 square feet	3.5%
Construction Area:	12,160 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$65,362,802

Facility Condition Index: 1.89% (Good)



Utility System Infrastructure:

The entire facility is in good condition.



LAKE SUPERIOR STATE UNIVERSITY

EAST HALL

Description

Primary Use: Childcare Center

Constructed: Original Construction, 1900

Building Area: 3,939 square feet on 2 floors

Building Usage

Gross Area:	3,939 square feet	100.0%
Net Assignable Area:	2,769 square feet	68.0%
Circulation Area:	670 square feet	17.0%
Custodial Area:	59 square feet	1.5%
Mechanical Area:	138 square feet	3.5%
Construction Area:	394 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$880,368

Facility Condition Index: 2.27% (Good)



Utility System Infrastructure:

Building is in good shape following a complete renovation of electrical, mechanical, HVAC, and interior features in 2012 to accommodate a childcare center.



EASTERDAY HOUSE

Description

Primary Use: Student Residence

Constructed: 1920

Building Area: 3,500 square feet on 3 floors

Building Usage

Gross Area:	3,500 square feet	100.0%
Net Assignable Area:	2,800 square feet	80.0%
Circulation Area:	245 square feet	7.0%
Custodial Area:	35 square feet	1.0%
Mechanical Area:	70 square feet	2.0%
Construction Area:	350 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$782,251

Facility Condition Index: 28.76% (Poor)



Utility System Infrastructure:

Building infrastructure is in poor condition, as the building interior needs to be remodeled to conform to all applicable codes. The kitchen was upgraded in 2012. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

ERIE HALL

Description

Primary Use: Student Residence
Constructed: Original Construction, 1901
Building Area: 8,766 square feet on 3 floors

Building Usage

Gross Area:	8,766 square feet	100.0%
Net Assignable Area:	7,021 square feet	80.0%
Circulation Area:	614 square feet	7.0%
Custodial Area:	88 square feet	1.0%
Mechanical Area:	176 square feet	2.0%
Construction Area:	878 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,959,202

Facility Condition Index: 4.95% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition but the building interior needs to be remodeled to conform to current codes. New boilers were installed in the south side (2013) as well as the north side (2007). The domestic hot water line was replaced in 2015 and a new sanitary main was installed in 2013. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

ESKOOKWID ENDAAD

Description

Primary Use: Campus Native American Center

Constructed: Original Construction, 1920

Building Area: 5,078 square feet on 3 floors

Building Usage

Gross Area:	5,078 square feet	100.0%
Net Assignable Area:	3,529 square feet	69.5%
Circulation Area:	863 square feet	17.0%
Custodial Area:	76 square feet	1.5%
Mechanical Area:	102 square feet	2.0%
Construction Area:	508 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,134,934

Facility Condition Index: 7.93% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems.



LAKE SUPERIOR STATE UNIVERSITY

FIRE SCIENCE BUILDING

Description

Primary Use: Laboratory

Constructed: 1998

Building Area: 800 square feet on 2 floors

Building Usage

Gross Area: 800 square feet 100%

Net Assignable Area: 800 square feet 100%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$125,160

Facility Condition Index: 0% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition with no major problems.



LAKE SUPERIOR STATE UNIVERSITY

FLETCHER CENTER

Description

Primary Use: Registrar, Financial Aid, & Other Student Services

Constructed: 1936 original w/ 1977 renovation

Building Area: 14,540 square feet on 3 floors

Building Usage

Gross Area:	14,540 square feet	100.0%
Net Assignable Area:	9,887 square feet	68.0%
Circulation Area:	2,472 square feet	17.0%
Custodial Area:	218 square feet	1.5%
Mechanical Area:	509 square feet	3.5%
Construction Area:	1,454 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$3,249,690

Facility Condition Index: 16.34% (Poor)



Utility System Infrastructure:

Building infrastructure is in generally poor condition. The many needs of the building are due to circa 1936 construction and the changing needs of campus. Mechanical system needs updating.



LAKE SUPERIOR STATE UNIVERSITY

GATE HOUSE

Description

Primary Use: Electrical Distribution
Constructed: Original Construction, 1921
Building Area: 767 square feet on 1 floor

Building Usage

Gross Area:	767 square feet	100.0%
Net Assignable Area:	690 square feet	90.0%
Circulation Area:	0 square feet	0.0%
Custodial Area:	0 square feet	0.0%
Mechanical Area:	0 square feet	0.0%
Construction Area:	77 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$150,416

Facility Condition Index: 8.64% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition.



LAKE SUPERIOR STATE UNIVERSITY

HEALTH CARE CENTER

Description

Primary Use: Health Services Center

Constructed: 1990

Building Area: 2,540 square feet on 1 floor

Building Usage

Gross Area:	2,540 square feet	100.0%
Net Assignable Area:	1,727 square feet	68.0%
Circulation Area:	432 square feet	17.0%
Custodial Area:	38 square feet	1.5%
Mechanical Area:	89 square feet	3.5%
Construction Area:	254 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$450,464

Facility Condition Index: 1.78% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition.



HILLSIDE HOUSE

Description

Primary Use: Residence

Constructed: Original Construction, 1920

Building Area: 5,064 square feet on 3 floors

Building Usage

Gross Area:	5,064 square feet	100.0%
Net Assignable Area:	3,444 square feet	68.0%
Circulation Area:	861 square feet	17.0%
Custodial Area:	76 square feet	1.5%
Mechanical Area:	177 square feet	3.5%
Construction Area:	506 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,131,803

Facility Condition Index: 33.13% (Critical)



Utility System Infrastructure:

Building infrastructure is in critical condition. The south end of the building was renovated in 2000. The north end was renovated in 2001. The building is currently awaiting a complete renovation totaling \$375,000.



LAKE SUPERIOR STATE UNIVERSITY

HOUSING STORAGE BUILDING

Description

Primary Use: Storage

Constructed: 1995

Building Area: 2,800 square feet on 1 floor

Building Usage

Gross Area: 2,800 square feet 100%

Net Assignable Area: 2,800 square feet 100%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$241,382

Facility Condition Index: 6.21% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems.



LAKE SUPERIOR STATE UNIVERSITY

HURON HALL

Description

Primary Use: Student Residence
Constructed: Original Construction, 1901
Building Area: 8,766 square feet on 3 floors

Building Usage

Gross Area:	8,766 square feet	100.0%
Net Assignable Area:	7,013 square feet	80.0%
Circulation Area:	614 square feet	7.0%
Custodial Area:	88 square feet	1.0%
Mechanical Area:	175 square feet	2.0%
Construction Area:	877 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,959,202

Facility Condition Index: 9.54% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition following a \$400,000 renovation of the interior in 2011. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

ICE ARENA STORAGE BUILDING

Description

Primary Use: Storage

Constructed: 1995

Building Area: 642 square feet on 1 floor

Building Usage

Gross Area: 642 square feet 100%

Net Assignable Area: 642 square feet 100%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$62,468

Facility Condition Index: 0.00% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition with no major problems.



LAKE SUPERIOR
STATE UNIVERSITY

KJS LIBRARY

Description

Primary Use: Campus Library & Support Spaces

Constructed: 1971 original with 1996 addition

Building Area: 103,584 square feet on 4 floors

Building Usage

Gross Area:	103,584 square feet	100.0%
Net Assignable Area:	76,652 square feet	74.0%
Circulation Area:	11,394 square feet	11.0%
Custodial Area:	1,554 square feet	1.5%
Mechanical Area:	3,625 square feet	3.5%
Construction Area:	10,358 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$37,368,196

Facility Condition Index: 1.53% (Good)



Utility System Infrastructure:

The total building was renovated with a new addition added in 1996; the entire facility is in good condition.



LAKE SUPERIOR STATE UNIVERSITY

LAKER HALL

Description

Primary Use: Student Residence
Constructed: Original Construction, 1920
Building Area: 4,506 square feet on 3 floors

Building Usage

Gross Area:	4,506 square feet	100.0%
Net Assignable Area:	3,605 square feet	80.0%
Circulation Area:	315 square feet	7.0%
Custodial Area:	45 square feet	1.0%
Mechanical Area:	90 square feet	2.0%
Construction Area:	451 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,007,092

Facility Condition Index: 16.78% (Poor)



Utility System Infrastructure:

Building infrastructure is in poor condition and building interior needs extensive remodeling. A new boiler was installed in 2017. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

MERIDIAN STORAGE BUILDING

Description

Primary Use: Storage

Constructed: 1940

Building Area: 736 square feet on 1 floor

Building Usage

Gross Area: 736 square feet 100%

Net Assignable Area: 736 square feet 100%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$70,683

Facility Condition Index: 10.61% (Poor)



Utility System Infrastructure:

Building infrastructure is in poor condition.



LAKE SUPERIOR STATE UNIVERSITY

MICHIGAN HALL

Description

Primary Use: Regional Outdoor Center
Constructed: Original Construction, 1920
Building Area: 1,676 square feet on 1 floor

Building Usage

Gross Area:	1,676 square feet	100.0%
Net Assignable Area:	1,140 square feet	68.0%
Circulation Area:	285 square feet	17.0%
Custodial Area:	25 square feet	1.5%
Mechanical Area:	17 square feet	1.0%
Construction Area:	168 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$327,762

Facility Condition Index: 21.97% (Poor)



Utility System Infrastructure:

Building infrastructure is in poor condition.



LAKE SUPERIOR STATE UNIVERSITY

MOLONEY HALL

Description

Primary Use: Student Residence

Constructed: Original Construction, 1969

Building Area: 16,824 square feet on 3 floors

Building Usage

Gross Area:	16,824 square feet	100.0%
Net Assignable Area:	13,459 square feet	80.0%
Circulation Area:	1,178 square feet	7.0%
Custodial Area:	166 square feet	1.0%
Mechanical Area:	336 square feet	2.0%
Construction Area:	1,682 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$4,324,189

Facility Condition Index: .19% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition although domestic water system needs replacement and the building needs to be remodeled. An ADA accessible room was added in 2013.



NEVEU HALL

Description

Primary Use: Student Residence
Constructed: Original Construction, 1970
Building Area: 13,203 square feet on 3 floors

Building Usage

Gross Area:	13,203 square feet	100.0%
Net Assignable Area:	10,562 square feet	80.0%
Circulation Area:	924 square feet	7.0%
Custodial Area:	132 square feet	1.0%
Mechanical Area:	264 square feet	2.0%
Construction Area:	1,320 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$3,393,501

Facility Condition Index: .5% (Good)



Utility System Infrastructure:

Building infrastructure is in generally good condition.



LAKE SUPERIOR STATE UNIVERSITY

NORRIS CENTER

Description

Primary Use: Classrooms, Gymnasium, Pool, Ice Arena,
& related athletic functions and support space

Constructed: 1974 w/ addition to Ice Arena in 1995

Building Area: 209,928 square feet on 3 floors

Building Usage

Gross Area:	209,928 square feet	100.0%
Net Assignable Area:	157,446 square feet	75.0%
Circulation Area:	27,291 square feet	13.0%
Custodial Area:	3,149 square feet	1.5%
Mechanical Area:	5,248 square feet	2.5%
Construction Area:	16,794 square feet	8.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$24,417,042

Facility Condition Index: 14.31% (Poor)



Utility System Infrastructure:

Building is in poor condition. A new fire alarm system and a pool dehumidification system are needed. Large open space lighting needs updating as it is outdated and inefficient.



LAKE SUPERIOR STATE UNIVERSITY

ONTARIO HALL

Description

Primary Use: Student Residence

Constructed: 1920 with 1994 renovation

Building Area: 7,752 square feet on 4 floors

Building Usage

Gross Area:	7,752 square feet	100.0%
Net Assignable Area:	6,202 square feet	80.0%
Circulation Area:	543 square feet	7.0%
Custodial Area:	78 square feet	1.0%
Mechanical Area:	155 square feet	2.0%
Construction Area:	775 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,732,571

Facility Condition Index: 6.35% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition. Upgraded to high efficiency hot water boiler in 2015. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

OSBORN HALL

Description

Primary Use: Student Residence

Constructed: Original Construction, 1967

Building Area: 47,476 square feet on 4 floors

Building Usage

Gross Area:	47,476 square feet	100.0%
Net Assignable Area:	37,981 square feet	80.0%
Circulation Area:	3,323 square feet	7.0%
Custodial Area:	475 square feet	1.0%
Mechanical Area:	950 square feet	2.0%
Construction Area:	4,748 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$12,202,521

Facility Condition Index: 16.94% (Poor)



Utility System Infrastructure:

Building is in poor condition and needs new heating and domestic water systems. Infrastructure to be upgraded to meet ADA compliance standards.



LAKE SUPERIOR STATE UNIVERSITY

PIANOSI MAINTENANCE BUILDING

Description

Primary Use: Campus Maintenance Shops,
Office & Storage Building

Constructed: Original Construction, 1977

Building Area: 35,464 square feet on 1 floor
w/attached warehouse

Building Usage

Gross Area:	35,464 square feet	100.0%
Net Assignable Area:	24,116 square feet	68.0%
Circulation Area:	6,029 square feet	17.0%
Custodial Area:	532 square feet	1.5%
Mechanical Area:	1,241 square feet	3.5%
Construction Area:	3,546 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$5,328,910

Facility Condition Index: 4.56% (Good)



Utility System Infrastructure:

The building is in good condition.



LAKE SUPERIOR STATE UNIVERSITY

PRESIDENT'S HOUSE

Description

Primary Use: University President Residence

Constructed: Original Construction, 1920

Building Area: 7,027 square feet on 4 floors

Building Usage

Gross Area:	7,027 square feet	100.0%
Net Assignable Area:	5,762 square feet	82.0%
Circulation Area:	351 square feet	5.0%
Custodial Area:	70 square feet	1.0%
Mechanical Area:	141 square feet	2.0%
Construction Area:	703 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$1,570,535

Facility Condition Index: 4.46% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition with no major structural problems but major interior upgrades are needed. All new windows were installed in the summer of 2015.



LAKE SUPERIOR STATE UNIVERSITY

ROW HOUSING STORAGE BUILDING

Description

Primary Use: Storage

Constructed: 1999

Building Area: 1,920 square feet on 1 floor

Building Usage

Gross Area: 1,920 square feet 100%

Net Assignable Area: 1,920 square feet 100%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$145,276

Facility Condition Index: 6.88% (Fair)



Utility System Infrastructure:

Building infrastructure is in fair condition with no major problems.



LAKE SUPERIOR STATE UNIVERSITY

RYAN HOUSE

Description

Primary Use: Student Residence

Constructed: Original Construction, 1920

Building Area: 3,456 square feet on 3 floors

Building Usage

Gross Area:	3,456 square feet	100.0%
Net Assignable Area:	2,419 square feet	70.0%
Circulation Area:	588 square feet	17.0%
Custodial Area:	35 square feet	1.0%
Mechanical Area:	69 square feet	2.0%
Construction Area:	346 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$772,417

Facility Condition Index: 4.92% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition although building interior needs to be remodeled.



LAKE SUPERIOR STATE UNIVERSITY

STUDENT ACTIVITIES CENTER

Description

Primary Use: Student Intramural Sports /
Physical Activity Center
Constructed: Original Construction, 1999
Building Area: 69,095 square feet on 1 floor

Building Usage

Gross Area:	69,095 square feet	100.0%
Net Assignable Area:	46,985 square feet	68.0%
Circulation Area:	11,746 square feet	17.0%
Custodial Area:	1,036 square feet	1.5%
Mechanical Area:	2,418 square feet	3.5%
Construction Area:	6,910 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$11,582,050

Facility Condition Index: 1.3% (Good)



Utility System Infrastructure:

This building is a newer structure in good condition but it is in need of a complete lighting upgrade.



LAKE SUPERIOR STATE UNIVERSITY

STUDENT VILLAGE

Description

Primary Use: Student Residence
Constructed: Original Construction, 1970
Building Area: 48,192 square feet on 4 floors

Building Usage

Gross Area:	48,192 square feet	100.0%
Net Assignable Area:	32,771 square feet	68.0%
Circulation Area:	8,193 square feet	17.0%
Custodial Area:	723 square feet	1.5%
Mechanical Area:	1,687 square feet	3.5%
Construction Area:	4,819 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$12,386,551

Facility Condition Index: 4.16% (Good)



Utility System Infrastructure:

Building infrastructure is in good condition although building interiors need to be remodeled.



LAKE SUPERIOR STATE UNIVERSITY

TOWNHOUSES

Description

Primary Use: Student Residence

Constructed: Original Construction, 1974

Building Area: 29,665 square feet on 2 floors

Building Usage

Gross Area:	29,665 square feet	100.0%
Net Assignable Area:	22,249 square feet	75.0%
Circulation Area:	2,967 square feet	10.0%
Custodial Area:	445 square feet	1.5%
Mechanical Area:	1,038 square feet	3.5%
Construction Area:	2,967 square feet	10.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$7,624,647

Facility Condition Index: 8.76% (Fair)



Utility System Infrastructure:

Building infrastructure is in generally fair condition although domestic water system needs replacement. Exterior: roof and siding have been updated. Also, all sidewalks and stairs have been replaced and improved. Interior needs to be remodeled.



LAKE SUPERIOR STATE UNIVERSITY

YOUNG'S HOUSE

Description

Primary Use: Counseling Center

Constructed: 1959

Building Area: 1,426 square feet on 1 floor

Building Usage

Gross Area: 1,426 square feet 100%

Net Assignable Area: 1,332 square feet 93.5%

Custodial Area: 22 square feet 1.5%

Mechanical Area: 72 square feet 5.0%

Mandated Facility Standards: N/A

Replacement Value: (2017 valuation) \$54,248

Facility Condition Index: 14.75% (Poor)



Utility System Infrastructure:

Building infrastructure is in poor condition.

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Administration	390	656						
Install ADA ramp and door opener					40			
Renovate first floor						200		
Elevator								150
Restore and paint exterior stairs		5						
Retrofit lighting		15						
Renovate HVAC system and add hw heating		450						
Dewater/seal basement tie to storm drain		150						
New fire alarm system		36						
Alumni	77	165						
Tuck Point			2					
Repair 2nd floor interior ceiling			2					
Renovate both entrances				30				
Renovate sanitary system					20			
Renovate south porch						8		
Dewater/seal basement							15	
Update electrical		75						
Replace carpeting		15						
Replace windows		50						
New fire alarm system		25						
Arts Center	26	0						
Seal exterior wall bricks				9				
Add lighting to auditorium					17			
Brady Hall	1,514	275						
Install ADA Ramp			35					
Tuck point			8					
Re-shingle Roof			160					
Patch and seal porches/steps			20					
Renovate 4 person to 2 person rooms				100				
Renovate Lobby				20				
Electric re-heat elements for bathroom exhaust units					6			
Add card access entry system						25		
Add HVAC system to all floors						900		
Replace flat roof							160	
Renovate bathrooms and showers								80
Add fire suppression system		200						
Add card access entry system		25						
Install storm sewer system to reroute water		50						
Brown Hall	44	94						
Paint exterior trim			5					
Renovate sanitary system				10				
Install ADA door hardware				5				
Dewater/seal basement						12		
Replace carpeting								12
New fire alarm system		12						
Tuck point		2						
Upgrade electrical and plumbing		80						
Canusa Hall	185	71						
Upgrade lights and install new electrical feed and panel			45					
Replace windows throughout building				40				
Improve elevator					50			
Improve heating and ventilation							50	
Upgrade plumbing		20						
Upgrade electronic controls		20						
Install new fire alarm system		31						
CASET	742	135						
Change classroom door hardware to ADA			25					
Repair brick and drip edge east side				5				

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Retrofit restroom piping for ADA compliance					12			
Replace and renovate cooling system North side						400		
Replace and renovate cooling tower							200	
Upgrade Windows								100
Upgrade plumbing		80						
Install chemical feed		30						
Replace repair windows		25						
Center for Freshwater Research and Education	0	0						
Complete Renovation for 15,500,000								
Central Heating Plant	418	0						
Upgrade generator			10					
Replace underground storage tanks			250					
Upgrade exterior/interior lights				8				
Replace stone fascia					75			
Repair steam tunnel phase 1						50		
Complete tunnel repairs							25	
Chippewa Hall	130	0						
Complete ADA renovations								50
Install card access entry system			10					
Campus signage			2					
Replace basement windows				6				
Re-core all locking hardware					5			
Upgrade plumbing						40		
Repair fascia and soffit						10		
Replace interior and exterior cellar doors							7	
Cisler Center	803	755						
Replace Cisler West Kitchen Windows			6					
Replace electrical panels				7				
Replace chiller				300				
Renovate Superior Room						160		
Re-core and replace all locking hardware for ADA						30		
Install emergency generator system							300	
Upgrade domestic water heaters		700						
Upgrade plumbing		55						
Considine Hall	0	0						
No Projects Scheduled								
Crawford Hall	1,235	705						
Repair steel floor deck above mechanical room			8					
Replace chiller (R22 system)					900			
Replace carpet						150		
Upgrade pneumatic controls							150	
Lab cabinets							15	
Upgrade electrical GFI in labs							12	
Upgrade hoods		650						
Add exterior drainage on east side of building		5						
Upgrade labs		50						
East Hall	20	0						
Replace shingle roof						20		
Easterday Hall	225	10						
Re-core all locking hardware			5					
Dewater/seal basement				5				
Replace basement windows					5			
Complete renovation of electrical and mechanical sys.						195		
Replace carpeting							15	
Install card access entry system		10						
Erie Hall	97	148						

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Repair soffit and fascia			6					
Re-core all locking hardware			5					
Install card access entry system					10			
Renovate electrical systems						40		
Install new domestic hot water heater							11	
Replace carpet							25	
Renovate bathrooms		48						
ADA		100						
Eskoonwid Endaad (NAC)	90	23						
Repair and Paint Interior			5					
Complete ADA renovations			25					
Install ADA door hardware				5				
Repair soffit and fascia				10				
Replace basement windows					6			
Install ADA accessibility ramp					10			
Install new fire alarm system						12		
Upgrade boiler to steam							17	
Replace carpet		8						
Upgrade plumbing and electrical		15						
Fire Science Building	0	0						
No Projects Scheduled								
Fletcher	531	0						
Repair basement walls, install drains, add ext drainage			20					
Remodel restrooms for ADA				20				
Remove old boiler system and abate				6				
Modify existing fire alarm system					8			
Remodel main entrance						27		
Renovate HVAC system							450	
Gate House	13	0						
Install new roof and repair soffit				5				
Renovate storage space to include guard shack					8			
Health Care Center	8	0						
Install new furnace					8			
Hillside House	375	0						
Completely renovate				375				
Housing Storage Barn	15	0						
Add partial second deck and lighting						15		
Huron Hall	187	0						
Tuck point			2					
ADA renovations					150			
Install card access entry system						10		
Install new carpeting							25	
Ice Arena Storage Building	0	0						
No Projects Scheduled								
Kenneth J Shouldice Library	570	0						
Repair fascia			5					
Repair roof			20					
Replace roof (old side)			250					
Install chemical feed				20				
Install ventilation into computer room off main lobby					80			
Replace AH and install on roof top					70			
Install new chiller						60		
Replace carpet in main library							45	
Replace carpet in offices							20	
Laker Hall	169	0						
Replace basement windows and tuck point			8					

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
ADA renovations			75					
Replace interior and exterior cellar doors				8				
Renovate electrical and plumbing systems					60			
Install card access entry system						10		
Install new carpeting							8	
Meridian Storage Building	8	0						
20 x 20 addition			8					
Michigan Hall	72	50						
Install fascia, soffit, windows and exterior doors				35				
Complete landscape improvements					5			
Install new flooring						5		
Replace lighting						5		
Renovate electric power distribution						12		
Replace roof							10	
Install new HVAC convert to gas		50						
Moloney	8	550						
Re-core all locking hardware				8				
Install domestic hot water system		50						
Upgrade electrical and mechanical		150						
Upgrade interior		350						
Neveu	17	550						
Replace entrance doorways			9					
Re-core all locking hardware				8				
Install domestic hot water system		50						
Upgrade electrical and mechanical		150						
Upgrade interior		350						
Norris Center	3,493	275						
First phase bleacher upgrades (Cooper Gym)			15					
Taffy Abel Arena locker room upgrades (Phase 1)			15					
Paint tennis court light poles			10					
Replace domestic water pipes in north end			70					
Renovate gym HVAC system to add humidity control			120					
Replace carpeting first floor			25					
Taffy Abel Arena locker room upgrades (Phase 2)				15				
Refurbish rifle range HVAC system				28				
Repair/resurface wood floor				10				
Replace electrical lines and breakers				25				
Replace fire alarm system				170				
Replace basement electrical				60				
Update lighting in Taffy Abel Arena (LED)					60			
Install new rink roof					1,000			
Rink dehumidification						70		
Purchase emergency generator for rink							350	
Replace gym bleacher							250	
New Rink Floor								1,200
Upgrade hot water system		150						
Install new AC system 2nd floor Northwest side		100						
Tuck point		25						
Ontario	110	0						
ADA renovations					75			
Install card access entry system						10		
Replace carpeting							25	
Osborn	2,067	12						
Energy management system control of RTU's				12				
Replace AHUs				350				
Install new electrical power feed/fix water infiltration					350			
Install card access entry system					25			
Add electrical power for rooms					180			

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Fire suppression system						350		
Replace heating system							800	
Tuck Point		12						
Pianosi Maintenance Building	243	0						
Replace office roof			80					
Install AC unit/water heater			25					
Install an emergency generator					20			
Storage building						100		
Replace loading dock door (3)							18	
President's House	70	4						
Replace basement cellar doors			5					
Upgrade electrical				25				
Remodel kitchen					20			
Dewater basement						20		
Tuck point		2						
Plumb north porch column		2						
Row Housing Storage Building	10	0						
Replace shingle roof					10			
Ryan House	38	12						
Replace carpeting and flooring						8		
Add electrical power to each room						25		
Upgrade Safety Lights							5	
Upgrade boiler		12						
Student Activities Center	150	165						
Fix exterior doors			10					
Repair curtain system phase 1			40					
Upgrade hall leading to SAC			10					
Add electrical power for events				20				
Replace light fixtures Phase 3					40			
SAC court and track lane marking						30		
Add second level for exercise equipment		100						
Replace light fixtures Phase 4		35						
Upgrade exterior door canopies		30						
Student Village	515	90						
Address mechanical room ventilation			25					
Replace primary transformer and switch gear			30					
Replace five lower level door frames				12				
Complete interior renovations A Tower				65				
Recore all locking hardware				12				
Replace apartment door				40				
Interior renovations in B Tower					55			
Install card access entry system						36		
Fire suppression system							200	
Replace water and sewer pipes in all towers								40
Replace domestic hot water system		60						
Replace stair tread and renovate stairwells		30						
Townhouses	668	250						
Phase 1- Interior Renovations			125					
Repair hot water heat line				70				
Fire suppression system					350			
Install card access entry system						75		
Upgrade exterior drainage							8	
Replace domestic hot water system								40
Phase 2- Interior Renovations		125						
Phase 3- Interior Renovations		125						
Young's House	8	14						
Replace shingle roof						8		
Replace HVAC		14						

Scheduled and Deferred Projects

Numbers shown in thousands	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Infrastructure	2,600	0						
Replace primary electric line			600					
Cisler water leak			20					
Repair Townhouse hot water line			75					
Repair sanitary/storm sewer			12					
Parking and Crawford loading dock access			120					
Clean and test electrical switch gear				15				
Replace Row House water main				200				
Campus signage				10				
Repair Brown Hall water line feed				5				
ADA automatic door closures Library, CASET, Canusa			25		65			
Repair and dewater electric vaults			30	30				
Repair sanitary/storm sewer				12	12	12	12	
Parking lot upkeep, repair, and replacement			80	70	70	70	70	
Campus road upkeep, repair, and replacement			40	40	40	20	20	
IT communication line maintenance			50	50	50	50	50	
Upgrade fire hydrant and water line			25	25	25	25	25	
Replace sidewalks			75	50	150	100	75	
TOTALS	17,940	5,009	2,787	2,466	4,142	3,405	3,468	1,672
	Six Year Totals	Deferred Maint.	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23