

# FY 2024 FIVE-YEAR CAPITAL OUTLAY PLAN

# I. MISSION STATEMENT

Schoolcraft is a comprehensive, open door, community-based College. The mission of the College is to provide a transformational learning experience designed to increase the capacity of individuals and groups to achieve intellectual, social, and economic goals.

**The Vision**: The College wishes to be a first-choice provider of educational services, a competent organization, functioning with integrity, behaving strategically, and providing value beyond expectations.

# College Values:

- We recognize the students are our reason for existence and that student success is paramount to our mission.
- We pledge to follow ethical practices in the classroom, boardroom, business operations, and all other areas of the College.
- We value diversity in our students, staff, and programming.
- We are committed to having a positive intellectual, social, and economic impact on the communities we serve.
- We strive to achieve leadership in academics, management practices, employee relations, and institutional innovation.
- We strive to maintain a supportive, cordial, and aesthetically pleasing environment for our students, staff, and community.
- We encourage lifelong learning for our students and staff by providing the most current programs, utilizing the most effective instructional delivery methods.
- We believe that higher education should be accessible to the greatest number of our constituents.

### II. INSTRUCTIONAL PROGRAMMING

a) Description of various existing academic programs and projected programming changes during the next five (5) years, as far as academic programs are affected by specific structural considerations (i.e., laboratories, classrooms, current and future distance learning initiatives, etc.).

### **Traditional Classrooms and Labs**

Schoolcraft College offers certificate and associate degree programs in career areas such as Nursing, Culinary Arts, Computer Information Systems, Public Safety/Homeland Security, and Business. Student majors are roughly 47% career and 53% transfer.<sup>1</sup> Schoolcraft College also offers a Bachelor of Science Degree in Culinary and Dietary Operations Management. In addition, the College offers nine major areas of study that include Arts, Humanities and Communications, Business and Information Technology, Culinary Arts, Brewing & Distillation Technology, Education, Healthcare and Health Sciences, Manufacturing and Technology, Natural Sciences, Public Safety, and Social Sciences. The programs and their courses are

<sup>&</sup>lt;sup>1</sup> From Total Pre-Programs, Skills, Career and Post-Certificate Enrollment and Transfer Programs tables, later in this report

offered at three locations: Main Campus, the Manufacturing Engineering Center, and the Public Safety Training Complex, all located in Livonia, Michigan.

For Fall 2022, Schoolcraft College has 7,964<sup>2</sup> credit students enrolled with 67%<sup>3</sup> seats filled.

Fall 2022 classes began August 29. As of September 22, 2022, the number of late starting classes were as follows:<sup>4</sup>

Modality	# Late Starting 12-week classes	# Late Starting 7-week classes
Traditional and Hybrid Classes	75	27
Online Classes	130	35
Remote Synchronous Classes	9	2

Enrollment is monitored daily from the first day of registration through the last day to enroll for the second 7-week courses to identify trends and courses filling early and/or throughout the registration process. Just-in-time courses are added to the current offerings, when possible, to meet the needs of students. For Fall 2022, 44 additional courses were offered after registration began.<sup>5</sup>

The new Health Sciences Center (HS) is a 35,000 sq. ft. expansion and 30,000 sq. ft. renovation of our existing Applied Sciences building. In addition to the programs originally housed in the Applied Sciences building, the additional space has provided us the opportunity to centralize all our Health Professions programs, including existing and new programs. The health professions programs that are now held at the Health Sciences Center include Computed Tomography, Diagnostic Medical Sonography, Emergency Medical Technology/Paramedic, Health Information Technology, Health Coding/Specialist, Magnetic Resonance Imaging, Mammography, Medical Assisting, Nursing, Radiologic Technology, Sterile Processing, Surgical Technology and Pharmacy Technician. Schoolcraft College is a Michigan Department of Community Health approved sponsor for EMT programs, enabling the College to increase college credit offerings and provide continuing education courses. Additionally, the Pharmacy Technician program has earned expanded recognition by the Pharmacy Technician Certification Board (PTCB) as a Compounded Sterile Preparation Technician (CSPT) Advanced-level program.<sup>6</sup>

# **Distance Learning**

Schoolcraft College actively supports flexible deliveries of instruction that meet the needs of a diverse student population. In addition to traditional classroom delivery, the College offers online, hybrid (a combination of face-to-face and online), and remote synchronous modalities. The College offers variable length (e.g., 5, 7, 12, and 15-week) courses. Accelerated courses have created a demand for flexible scheduling and more course options.

In Fall 2022, over 7,860 seats were filled in online courses. This semester offered 124 unique online courses comprising 366 sections.<sup>7</sup> We attribute this small decline in online seats from the previous year due to previous years' numbers being skewed due to students choosing online options during the elevated levels of COVID infections.

<sup>&</sup>lt;sup>2</sup> SC Reports: Student Profile Report, Fall 2022, as of 09/22/2022

<sup>&</sup>lt;sup>3</sup> YRAC: Last page of Fall 2022 report, exclude Grants, include everything else

<sup>&</sup>lt;sup>4</sup> Informer, Summary of Classes: Fall 2022, Active Sections, excludes MCO.

<sup>&</sup>lt;sup>5</sup> M:\Group\Instructional Operations\Just-In-Time Schedule Building\JIT Documentation\2022, Count of Fall JIT

<sup>&</sup>lt;sup>6</sup> Dr. Robert Leadley, Dean of Occupational Programs & Economic Development, David Kesler, D.C., Assoc. Dean, Health Professions

<sup>&</sup>lt;sup>7</sup>Lori M. Timmis, Dean of Distance Learning & Faculty Development (source: 2022/04 SC. DL. COUNT (Y082) Report,

Duplicated Count; STIS 3.21 (Credit Class by Term and Modality) Fall 2022, Distance Learning)

In Fall 2022, the College offered 14 hybrid courses comprising 27 sections. Remote synchronous courses were first offered in Fall of 2020 in response to Covid-19. In Fall 2022, the College offered 36 remote synchronous courses comprising 55 sections.<sup>8</sup>

b) Identify unique characteristics of each institution's academic mission: (i.e., two-year degree and certificated technical/vocational training; workforce development training activities; adult education focus; continuing or lifelong educational programming; partnerships with intermediate school district(s), community activities; geographic service delivery area(s), articulation agreements or partnerships with four-year institutions, etc.).

Schoolcraft College is a two-year community college offering one bachelor's degree and a variety of associate degrees and certificates, as well as skill-specific certifications. For the 2021/2022 academic year, there were 13,431 credit students who attended the College and 9,340<sup>9</sup> students who were registered for continuing education, professional development, or adult education programs. The Business Development Center (BDC) has been in existence since 1985 and through its Procurement Technical Assistance Center (PTAC), it has been one of the largest contributors for new government contracts awarded to Michigan businesses with over \$2.8 billion infused into the local economy. Since 2011, the Center has also helped small businesses. In 2021, the Center also provided training to 1,168 workers (duplicated) in technical and professional areas to enhance their skills on the job.<sup>10</sup>

Schoolcraft College has also coordinated efforts with the Michigan Works! Agency to deliver many "boot camps" to prepare unemployed and under-employed citizens quickly and successfully for jobs in machining and welding.

Schoolcraft College offers educational programs leading directly to third party certifications in areas such as Welding (American Welding Society), Machining (National Institute for Metalworking Skills), Mechatronics (Smart Automation Certification Alliance) and Computer Information Systems (Cisco Academy). Other programs provide education and training to prepare for third party certification in areas such as Nursing (NCLEX), Criminal Justice (MCOLES), and EMT/Paramedic. Schoolcraft continues to create new programs to meet the needs of the local economy. For example, Schoolcraft recently initiated programs in Mechatronics, Plastic Technology, Computer Cybersecurity, and Networking. An innovative program to certify individuals for K-12 teaching in Michigan (Alternative Route to Teacher Certification) has experienced continual increases in enrollment throughout the state and is being modified to meet the new state standards.

The College's official geographic boundaries consist of several Michigan school districts: Livonia, Plymouth-Canton, Northville, Garden City, and Clarenceville. The College has three locations in Livonia.

The College maintains articulation agreements and partnerships with many Michigan universities and the K-12 districts within and near the College's district boundaries. In partnership with Michigan universities, Schoolcraft has more than 60 articulation agreements with 17 colleges, universities, and technical institutions. Several of the articulation agreements are generous plans that allow students to complete up to 90 credits at the community college and the final 30 credits at a university, resulting in great monetary savings for students, as well as transferring very wellprepared students who can complete their bachelor's degree. The College has 34 articulation agreements with eleven career technical centers or secondary schools for 40 Schoolcraft College courses. These agreements provide students college credit for entry-level courses in career

<sup>&</sup>lt;sup>8</sup> Informer: Summary of Classes, 2022/04, Credit Students, Location = Hybrid and RMT

<sup>&</sup>lt;sup>9</sup> SC RS: STIS.3.11 – (State Report 1) Reporting Year: 2021, PPL and Credit by Academic Year

<sup>&</sup>lt;sup>10</sup> Tammy Thomson, Director of Business & Community Services

pathways such as computer graphics technology, culinary arts, engineering technology, criminal justice, or welding. The College will continue to build partnerships with area high schools and four-year universities to create pathways for students to progress seamlessly toward a certificate or degree leading to employment or higher education credentials.<sup>11</sup>

In addition to traditional articulations with colleges, universities, and technical institutions, the College has four articulations created in partnership with the Medical Education Training Center (METC) in Texas. These articulations provide military personnel (and traditional students) college credit for prior learning toward credentials in Health Information Technology at the associate degree level, Pharmacy Technician at certificate levels, and the newly approved Health Professionals Management associate option for Pharmacy Technicians. This articulation opportunity not only honors prior training and learning, but also provides great monetary and time savings for students.

# c) Identify other initiatives which may impact facilities usage.

Opened in Fall 2020, Schoolcraft College's new Manufacturing & Engineering Center (MEC) is a 48,000 sq. ft. state-of-the-art facility that more than doubles the previous space that was on our main campus. Faculty in these programs are industry experts, facilitating an interactive, handson learning experience and preparing students for the workplace. MEC is in Livonia, only minutes away from the Main Campus. This location increases opportunities for dual enrollment/middle college, apprenticeship training, and non-credit training for businesses, university partnerships, and workforce development such as boot camps. As we look to increase opportunities for learning in the automotive electronics industry, we will need to consider reconfiguring existing space and add equipment to provide the necessary new courses.

Healthcare simulation technology facilities are available and impact facility use by making possible the development of cross-discipline activities between Nursing, Emergency Medical Technology, and Allied Health programs. Our enrollment growth in these areas has increased demand for student use on this simulation lab. In addition, the growing partnerships fostered between the College and local hospitals and healthcare professionals wishing to make use of the Health Professions Simulation Lab expose our students to encounters with industry professionals.

The Public Safety Training Complex (PSTC) is home to state-of-the-art law enforcement training facilities and simulators. The complex is equipped with many unique features, including a maze room, configurable to different room layouts to practice standoff and rescue techniques; a 4,500 square foot training room, allowing students to practice entering dark homes with hazards; a gun range with total blackout capability; a FATS system (FireArms Training Simulator), which allows for a wide variety of scenarios to be programmed for de-escalation and 360-degree awareness training; an 11-acre driving facility; and a 4-story fire tower that can produce fire at several hundred degrees and simulate high-angle rescues. Several areas, state, and national agencies frequently use the PSTC for continued skills training. Additionally, we have dual enrollment opportunities in some of our programs at PSTC.

# d) Demonstration of economic development impact of current and future programs (i.e., technical training centers, life science corridor initiatives, etc.).

Having a trained workforce is critical to the economic development of Michigan. Businesses choose to locate and expand in areas where there is a pool of people with the needed job skills, and where communities are safe and supportive of business. Schoolcraft, through its Business Development Center, Procurement Technical Assistance Center, and Workforce Training Solutions, helps entrepreneurs as well as established businesses grow their markets, secure new funds, and train their workforce. For several years the College has offered a "Small Business for Entrepreneurs Associate Degree" and a "One-Year Certificate."

<sup>&</sup>lt;sup>11</sup> Rachael Szymanski, Advising - Transfer Coordinator

Schoolcraft College offers many career and technical programs for students seeking an education and the skills to enter the job market or to advance their current careers. The College's career programs are based on students' interests and community employment needs. Advisory Boards for each career and technical education area are composed of industry leaders and professionals. Advisory board input is critical to the continued improvement of career programs and preparation of our students for their occupations. Competencies and program outcomes incorporated into occupational programs prepare students to enter challenging specialized careers after two years of college or less. Instructors emphasize job-specific knowledge, and students can pursue most programs full- or part-time. Schoolcraft tracks job placement in high demand, high skill, and high wage employment to ensure students find jobs.

Current programs, certificates, and courses are continually reviewed and updated for modernization and continuous quality improvement as well as to meet changing business and industry requirements. Job market sites, business needs, assessment surveys, advisory committee input, and Department of Labor job forecasting help Schoolcraft stay current with job market demands and provide valuable information/data to drive program initiation and revision. Newly developed environmental scans produced by the College's Research and Analytics department have provided a wealth of information about the prospects and outlook for viability of new educational programs based on reliable data. Enrollment trends are evaluated on a semester-by-semester basis to determine student interest and are reviewed for program expansion or contraction.

To increase access for all students to career and technical education programs, many of the courses in these programs are offered through the College's various modalities such as online, remote, and hybrid, as well as traditional classrooms. For students balancing work, life, and an education, the availability of flexible scheduling affords them the opportunity to complete their education.

The College's Business Development Center and Personal and Professional Learning (PPL) department, offer classes aimed at preparing people for the workplace and building career and technical skills. This includes certificate programs, such as digital sculpting, program management, and computer classes geared toward workplace applications. Additionally, courses in specific content areas such as accounting, event planning, and nursing continuing education are offered through PPL. Still more credit and non-credit programs have been submitted to the state for approval for funding through the Michigan Works! agencies. A growing partnership with the surrounding K-12 districts has resulted in additional course offerings in teacher professional development and certification.

With health care emerging as Michigan's number one private employer, Schoolcraft had added numerous new programs: Computed Tomography, Diagnostic Medical Sonography, Magnetic Resonance Imaging, Mammography, Occupational Therapy Assistant, Radiologic Technology, Surgical Technology, and Sterile Processing. These added to our existing offerings that we continue to grow including Phlebotomy, Medical Assisting, Medical Billing, Health Information Technology and Coding Specialist, Nursing Assistant Training, Biomedical Engineering Technology, Pharmacy Technician, Movement Science, Emergency Medical Services, and the Nursing Career Ladder Curriculum program.

National employment forecasts through 2031 project employment requiring an associate degree will increase by 8.8%, compared to 2.9% for a high school diploma or equivalent, 6.7% for postsecondary non-degree awards, 8.2% for a bachelor's degree, and 13.6% for a master's degree. The highest growth "hot" occupations (favorable mix of projected long-term job growth, projected annual job openings, and median wages) in Southeast Michigan through 2028 that require an associate's degree or vocational training include Electricians, Carpenters, Heavy and Tractor-Trailer Truck Drivers, Sales Representatives, Police Officers, Paralegals and Legal Assistants, Plumbers, Pipefitters and Steamfitters, Industrial Machinery Mechanics and Engineering Technicians, HVAC and Refrigeration Mechanics and Installers, Bus and Truck Mechanical and Diesel Engine Specialists, Millwrights, Licensed Practical and Licensed Vocational Nurses, Physical Therapy Assistants, Diagnostic Medical Sonographers,

Occupational Therapy Assistants, and Respiratory Therapists.<sup>12</sup>

Schoolcraft College actively participates with several Economic Development organizations including:<sup>13</sup>

- Advance Michigan Center for Apprenticeship Innovation (AMCAI)
- Ann Arbor Spark
- Ann Arbor/Ypsilanti Regional Chamber
- Association of Procurement Technical Assistance Centers (APTAC)
- Association of Small Business Development Centers (ASBDC)
- Automation Alley
- Canton Chamber of Commerce
- Detroit Regional Chamber of Commerce
- Garden City Business Alliance
- HR Manufacturing Roundtable Plymouth
- I-275 Industrial Council
- Learning Resources Network (LERN)
- Livonia Chamber of Commerce
- Michigan Alliance for Greater Mobility Advancement (MAGMA)
- Michigan Association of Continuing Education and Training (MACET)
- Michigan Chamber of Commerce
- Michigan College Access Network (MCAN)
- Michigan Department of Licensing and Regulatory Affairs (LARA)
- Michigan Department of Labor and Economic Opportunity (LEO)
- Michigan Economic Developers Association (MEDA)
- Michigan Economic Development Corporation (MEDC)
- Michigan Educational Apprenticeship Training Association (MEATA)
- Michigan Energy Workforce Development Consortium (MEWDC)
- Michigan International Technology Center (MITC
- Michigan Manufacturing Technology Center (MMTC)
- Michigan Small Business Development Center (MI-SBDC)
- Michigan Workforce Development Agency
- Midwest Higher Education Compact (MHEC)
- National Center for Women & Information Technology (NCWIT)
- National Contract Management Association (NCMA)
- National Council for Continuing Education and Training (NCCET)
- National Defense Industrial Association (NDIA)
- Northville Chamber of Commerce
- Novi Chamber of Commerce
- Novi Economic Development
- Plymouth Chamber of Commerce
- Procurement Technical Assistance Centers (PTACs) of Michigan
- Small Business Association of Michigan (SBAM)
- Southeast Michigan Community Alliance (SEMCA)
- Southeast Michigan Council of Governments (SEMCOG)
- Health Care Alliance of Southeast Michigan (HCA)
- US Department of Labor

<sup>&</sup>lt;sup>12</sup> Michelle Stando, Director of Research and Analytics, <u>https://www.bls.gov/emp/tables/education-summary.htm</u> <u>https://www.milmi.org/\_docs/publications/CareerOutlook2028/Region10\_CareerOutlook\_2028.pdf</u>,

U:\Institutional Research\Marketing Research\Labor Market Information\Hot50Jobs\_Statewide\_Through2028.pdf

<sup>&</sup>lt;sup>13</sup> Gerald Champagne, Assoc. Dean Public Safety; Amy Jones, Assoc. Dean Occupational Programs; Tammy Thomson, Dir. Business Development; Dr. Robert Leadley, Dean of Occupational Programs & Economic Development; David Kesler, D.C., Assoc. Dean, Health Professions

- Wayne County Economic Development Corporation (WCEDC)
- Westland Chamber of Commerce
- Workforce Intelligence Network for Southeast Michigan (WIN)

# III. STAFFING AND ENROLLMENT

# a) Describe current full- and part-time student enrollment levels by academic program and define how the programs are accessed by the student (i.e., main or satellite campus instruction, collaboration efforts with other institutions, internet, or distance learning, etc.).

Enrollment for Fall 2022 late-starting classes continues through November 1, 2022.<sup>14</sup> As of September 22, enrollment for Fall 2022 had reached 7,964.<sup>15</sup> For the full 2021/2022 academic year, Schoolcraft College had 13,431<sup>16</sup> credit students enrolled. As of Fall 2022, 68% of Schoolcraft College's credit students attend on a part-time basis (less than 12 credit hours) and 32% attend on a full-time basis (12 credit hours or more); 48% of Schoolcraft College's credit students reside within our college district and 52% reside outside of the College's district (including international students).<sup>17</sup>

In addition to credit students, Schoolcraft College has a large base of students in Personal and Professional Learning (PPL) formerly known as Continuing Education & Personal Development, enrolling 9,340<sup>18</sup> students during the same academic year. PPL non-credit courses include contracted training, certification programs, professional development, and personal development.

Our credit student population can be defined by attendance type as follows:19

Student Attendance by Type	Number of Students
Day Only	1,459
Evening Only	767
Distance Learning (Online) Only	2,081
Distributed Learning (Hybrid) Only	233
Combination (traditional, online, day, evening, and weekend)	3,424

As shown in the following charts, 49% of Schoolcraft College's credit students are enrolled in transfer programs. Another 32% are enrolled in associate or certificate career programs, and 19% are enrolled in special programs such as post-certificate programs, skills certificate programs, and pre-programs (completing course requirements for admissions into Associate Degree programs).

The five largest populated career programs are Criminal Justice, Business, Nursing, Culinary Arts, and Marketing. Some programs limit their enrollment based upon available resources (space, staffing, clinical sites, etc.), such as Culinary Arts, Nursing, Criminal Justice, and several new health professions programs such as Surgical Technology.

Students can gain access to academic programs through multiple venues. In addition to our main campus in Livonia, the Public Safety Training Complex, located in Livonia, houses the Wayne

<sup>&</sup>lt;sup>14</sup> Important Dates Fall 2022, Last Day for Schedule Adjustment/Refund, 2<sup>nd</sup> 7-week classes

<sup>&</sup>lt;sup>15</sup> SC RS: Student Profile Report, 2022/04

<sup>&</sup>lt;sup>16</sup> SC RS: STIS.3.11 – (State Report 1) Reporting Year: 2021, PPL and Credit by Academic Year

<sup>&</sup>lt;sup>17</sup> SC RS: Student Profile Report, 2022/04

<sup>&</sup>lt;sup>18</sup> SC RS: STIS.3.11 – (State Report 1) Reporting Year: 2021, PPL and Credit by Academic Year

<sup>&</sup>lt;sup>19</sup> SC RS: Student Profile Report, 2022/04

County Regional Police Training Academy, Schoolcraft Fire Academy, Fire Technology, Homeland Security, and Criminal Justice programs. Schoolcraft College's new Manufacturing & Engineering Center (MEC), also located in Livonia, houses engineering and technology programs such as Mechatronics Technology, Robotics, Computer Aided Design (CAD), Manufacturing, and Welding, to name a few. Students can also access programs through a combination of traditional, hybrid, remote, and online courses.

Currently active sections available for Fall 2022 comprise 812 traditional sections, 18 independent learning, 55 remote synchronous sections, 28 hybrid sections, and 338 online sections.<sup>20</sup> Distance learning delivery (i.e., online format) has experienced the fastest growth over the last year, increasing the number of sections by 19%.

### Enrollment in Fall 2022 by Program Majors and Full-time/Part-time

For the charts below, enrollment is divided into part-time students (less than 12 credit hours), full- time students (12 or more credit hours), and others (18 or more credit hours).

Code	Program Name	Full- time	Part- time	Other	Total
P000	Pre-Nursing (RN)	126	503	0	629
P017	Pre-Nursing PN*	16	46	0	62
P024	Pre-Emergency Medical Technology (1 yr.)	1	6	0	7
P026	Pre-Medical Assisting Certificate	6	8	0	14
P079	Pre-Culinary Arts (1 yr.) *	1	7	0	8
P087	Pre-Culinary Arts (AAS)*	9	23	0	32
P128	Pre-Biomedical Engineering Technology	5	9	0	14
P153	Pre-Health Info Tech	5	28	0	33
P216	Pre-Occupational Therapy Assistant	1	2	0	3
P234	Pre-Pharmacy Technician Certificate*	0	1	0	1
P240	Pre-Health Coding Specialist	2	6	0	8
P247	Pre-Culinary Baking and Pastry Arts	2	3	0	5
P249	Pre-Pharmacy One-Year Certificate	1	5	0	6
P250	Pre-Emergency Medical Technology	5	2	1	8
P281	Pre-Diagnostic Medical Sonography	28	93	0	121
P283	Pre-Radiology Technology	9	43	0	52
P286	Pre-Surgical Technology**	1	6	0	7
P397	Pre-Culinary & Dietary Operations Mgmt BS	0	3	1	4
P398	Pre-Professional Culinary Arts Skills Certificate**	0	1	0	1
P399	Pre-Professional Culinary Arts Certificate**	2	4	0	6
P400	Pre-Professional Culinary Arts Degree**	9	25	0	34
	Pre-Programs Totals	229	824	2	1,055
	% Of Total Enrollment	3%	10%	0.03%	13%
Program	Inactive, **New Program				

### **Pre-Programs**<sup>21</sup>

\*Program Inactive, \*\*New Program

### Skills Programs: Certificates<sup>22</sup>

Code	Program Name	Full-time	Part- time	Other	Total
238	CAD Mechanical Design	0	3	0	3
271	Engineering Technology	3	1	0	4
285	Sterile Processing**	0	2	0	2
290	Real Estate Property Management	0	1	0	1

<sup>&</sup>lt;sup>20</sup> Informer: Summary of Classes, 2022/04, TR, Active Sections, excludes VLC

<sup>&</sup>lt;sup>21</sup> SC RS: Enrollment by Program, 2022/04 as of 9/26/2022

<sup>&</sup>lt;sup>22</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

315	Child Development Associate	0	8	0	8
316	Autism Education Skills Certificate	0	1	0	1
320	Electronic Technology	0	1	0	1
321	Nursing Assistant	2	2	0	4
324	Emergency Medical Technology	3	8	0	11
325	Phlebotomy	1	7	0	8
328	Information Technology	1	6	0	7
337	Advanced Manufacturing	0	4	0	4
340	Plastic Technology	1	1	0	2
345	Music Keys for Piano Teacher	0	3	0	3
349	Pharmacy Technician Certificate	1	0	0	1
350	Medical Biller/Receptionist	0	8	0	8
364	Computer Graphics Technology	7	7	0	14
365	Accounting for Small Business	0	13	0	13
366	Application Developer	4	8	0	12
398	Professional Culinary Arts Skills Certificate**	0	1	0	1
	Total (Skills Programs: Certificates)	23	85	0	108
	% Of Total Enrollment	.29%	1.07%	0%	1.36%
**Now D					

\*\*New Program

# Career Programs: One-Year Certificates<sup>23</sup>

Code	Program Name	Full-time	Part- time	Other	Total
001	Accounting	2	13	0	15
002	Basic Business	11	23	0	34
004	Programming	1	11	0	12
017	Practical Nursing	1	7	0	8
024	Emergency Medical Technology	1	10	2	13
026	Medical Assisting	1	14	0	15
031	Early Childhood Education	2	17	0	19
032	Special Needs Para Educator	0	1	0	1
079	Culinary Arts	0	1	0	1
084	Brewing and Distillation Technology	1	16	0	17
115	Piano Teacher	0	1	0	1
125	Electronic Technology	0	5	0	5
127	Welding Fabrication	7	23	0	30
129	Welding Pre-Apprenticeship	2	15	0	17
131	Web and Interactive Media	0	2	0	2
132	3D and Video Graphics	1	1	0	2
136	Computer Graphics Technology	1	8	0	9
144	Sound Recording Technology	3	9	0	12
149	Fire Fighter Technology	3	9	6	18
170	Elementary Education	0	13	0	13
171	Secondary Education	0	20	0	20
213	Small Business for Entrepreneurs	3	10	1	14
214	Movement Science	1	1	0	2
223	Mechatronics Technology	0	1	0	1
225	Mechatronics	0	3	0	3
230	Computer Systems Support	0	6	1	7
231	Networking Specialist	0	2	0	2
232	Cybersecurity	5	6	0	11
237	Advanced Manufacturing	0	6	0	6
240	Health Coding Specialist	0	16	0	16
241	Web Specialist	0	1	0	1
242	Business Information Technology	2	7	0	9

<sup>&</sup>lt;sup>23</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

247	Culinary Baking & Pastry Arts	12	4	10	26
248	CAD Mechanical Design	3	6	0	9
249	Pharmacy Technician Certificate	3	3	0	6
270	Networking Technology Integration*	0	2	0	2
272	Engineering Technology	3	3	0	6
276	Environmental Science Technician	0	4	0	4
291	Real Estate Property Management	0	1	0	1
339	Supply Chain Management	0	1	0	1
346	Music Entrepreneurship	0	2	0	2
399	Professional Culinary Arts Certificate**	0	5	0	5
	Totals (Career Programs: One-Year Certificates)	71	310	20	401
	% Of Total Enrollment	0.89%	3.89%	0.25%	5.04%

\* Program Inactive, \*\*New Program

# Career Programs: Associate and Bachelor's Degree<sup>24</sup>

Code	Program Name	Full-time	Part- time	Other	Total
000	Registered Nursing	5	352	0	357
005	Accounting	32	73	0	105
007	Networking Specialist	6	9	0	15
008	General Business	80	94	1	175
009	Marketing & Applied Management	21	32	1	54
010	Cosmetology Management	6	13	0	19
011	Small Business Entrepreneur	21	36	0	57
012	Programming	54	66	0	120
014	Computer Systems Support	5	24	0	29
020	Early Childhood Education	24	65	0	89
021	Special Needs Para Educator	2	10	0	12
028	Computer Graphics Technology	14	24	0	38
031	Web and Interactive Media	4	7	0	11
032	3D and Video Graphics	9	20	0	29
041	Broadcast Communications	1	5	0	6
066	Cybersecurity	55	49	0	104
068	Special Study - Career	7	42	0	49
082	Welding Fabrication Technology	22	29	0	51
086	Criminal Justice	75	97	28	200
087	Culinary Arts	2	15	0	17
120	Electronics Technology	11	20	0	31
128	Biomedical Engineering Technology	1	8	0	9
135	Advanced Manufacturing	5	20	0	25
153	Health Information Technology	1	19	0	20
170	Computer Aided Mechanical Design	0	1	0	1
176	Environmental Studies	7	14	0	21
177	Fire Technology	9	17	7	33
184	Metallurgy and Materials Science	1	7	0	8
217	Fire and Emergency Services	1	3	3	7
220	Plastics Technology	0	1	0	1
224	Mechatronics**	2	3	0	5
226	Mechatronics	5	12	0	17
229	Health Professionals Management for Pharmacy Technicians	2	1	1	4
244	Sound Recording Technology	16	19	0	35
250	Emergency Medical Technology	3	11	0	14
252	Homeland Security	5	4	1	10
258	CAD Mechanical Design	9	14	0	23
273	Engineering Technology	16	15	0	31

<sup>&</sup>lt;sup>24</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

275	Web Specialist	0	2	0	2
277	Business Information Technology	20	31	0	51
281	Diagnostic Medical Sonography	16	0	0	16
283	Radiologic Technology	9	0	0	9
284	Movement Science	19	21	0	40
292	Real Estate Property Management	8	14	0	22
341	Supply Chain Management	13	20	0	33
347	Music Entrepreneurship	4	4	0	8
397	B.S. Culinary & Dietary Operations Management	3	2	0	5
400	Professional Culinary Arts**	45	66	0	111
	Totals (Career Programs: Associate/ Bachelor's degree)	676	1,411	42	2,129
	% Of Total Enrollment	8%	18%	1%	27%

\*\*New Program

# Career Programs: Total Bachelor's Degree, Associate Degree, and One-Year Certificate<sup>25</sup>

	Full-time	Part-time	Other	Total
Enrollment	747	1,721	62	2,530
% Of Total Enrollment	9%	22%	1%	32%

# Career Programs: Post-Certificates<sup>26</sup>

Code	Program Name	Full-time	Part-time	Other	Total
155	Computer Information Systems	1	0	0	1
	Totals (Career Programs: Post-Certificates)	1	0	0	1
	% Of Total Enrollment	0.01%	0	0	0.01%

# Career Programs: Total Pre-Programs, Skills, and Post-Certificate Enrollment<sup>27</sup>

	Full-time	Part-time	Other	Total
Enrollment	253	909	2	1,164
% Of Total Enrollment	3%	11%	0.03%	15%

# Transfer Programs<sup>28</sup>

Code	Program Name	Full-time	Part-time	Other	Total
039	Associate in Engineering	113	107	0	220
042	Associate in Arts	133	235	1	369
042	Associate In General Studies	572	819	6	1397
042	Associate in Science	187	246	0	433
167	Guest Transfer	58	387	2	447
268	Dual Enrollment	25	413	1	439
368	Early College	0	36	0	36
401	Associate in Business Administration	294	296	1	591
402	Associate in Fine Arts	13	34	0	47
403	Pre-Pharmacy Associate Degree	3	6	0	9
600	Health Transfer*	1	1	0	2
700	Education Transfer	13	25	0	38
900	Non-Degree Seeking	29	151	4	184
	Totals (Transfer Programs)	1,441	2,756	15	4,212
	% Of Total Enrollment	18%	35%	0.2%	53%

\* Program Inactive

<sup>&</sup>lt;sup>25</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

<sup>&</sup>lt;sup>26</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

<sup>&</sup>lt;sup>27</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

<sup>&</sup>lt;sup>28</sup> SC RS: Enrollment by Program, 2022/04 as of 09/26/2022

	Full-time	Part-time	Other	Total
Pre-Programs	229	824	2	1055
Skills Certificates	23	85	0	108
One-Year Certificates	71	310	20	401
Associate and Bachelor's Degrees	676	1411	42	2129
Post-Associate Certificates	1	0	0	1
Transfer	1441	2756	15	4212
Totals	2442	5386	79	7906
% Of Total Enrollment	31%	68%	1%	

NOTE: This report reflects students enrolled in more than one major.

# b) Projected enrollment pattern for the next five (5) years (includes distance-learning initiatives).

The following chart shows annual unduplicated student credit enrollments and the projections for the next five years.

Academic Year	Credit Enrollment				
2012-2013	20,411				
2013-2014	19,419				
2014-2015	18,966				
2015-2016	18,181				
2016-2017	20,765				
2017-2018	17,066				
2018-2019	16,531				
2019-2020	15,685				
2020-2021	14,070				
2021-2022	13,431 <sup>30</sup>				
2022-2023*	13,275 <sup>31</sup>				
2023-2024	12,515				
2024-2025	11,756				
2025-2026	10,996				
2026-2027	10,237				
*2022-2023 data not yet available					
Average 4%	decline				

*Italics = forecast based on past enrollment* 

# Distance Learning Courses: Current Enrollment/Future Growth

The growth of distance learning courses (i.e., online, hybrid, and remote synchronous) continues to increase over the past several years. Students have and continue to seek distance-learning modalities to accommodate their varied schedules.

Students Enrolled Exclusively In: <sup>32</sup>	Fall 2022
Online Courses	2,252

# c) Evaluate enrollment patterns over the last five years.

The table below provides the headcount for each Fall Semester for the past five years taken at

<sup>&</sup>lt;sup>29</sup> Consists of the total lines from the category tables above

<sup>&</sup>lt;sup>30</sup> SC RS: STIS.3.11 – (State Report 1) Reporting Year: 2021, PPL and Credit by Academic Year

<sup>&</sup>lt;sup>31</sup> FORECAST.LINEAR(2023,20,411:13,431,2013:2022)

<sup>&</sup>lt;sup>32</sup> Lori M. Timmis, Dean of Distance Learning (Online courses: *Source: 2022/04 SC. DL. COUNT (Y082) Report, Students and Guest Students)* 

the end of the late registration/schedule adjustment period (Fall 2022 as of 09/27/2022).<sup>33</sup>

	2022	2021	2020	2019	2018
Fall Headcount	7,909	8,656	8,402	9,867	10,135

# d) Provide instructional staff/student and administrative staff/student ratios for major academic programs or colleges.

For the 2021/2022 academic year, the student (13,431)<sup>34</sup> to instructional staff (441) ratio was 30:1. Instructional staff includes both full-time and part-time faculty members. The ratio for students to administrative staff (67) was 200:1. Administrative staff includes executives and administrators.<sup>35</sup>

# e) Project future staffing needs based on 5-year enrollment estimates and future programming changes.

The following chart shows annual staffing figures (includes both full-time and part-time employees for Fall 2020) and the projections for the next five years.

Year	Staffing (FT & PT)
2012-2013	854
2013-2014	841
2014-2015	845
2015-2016	832
2016-2017	830
2017-2018	802
2018-2019	827
2019-2020	818
2020-2021	754
2021-2022	756 <sup>36</sup>
2022-2023	760
2023-2024	750
2024-2025	740
2025-2026	729
2026-2027	719

\*Italics = Linear Forecast, Average 1% decline<sup>37</sup>

# f) Identify current average class size and projected average class size based on the institution's mission and planned programming changes.

In general, class size has been a result of negotiated contracts between the College and faculty union. While the previous contracts allowed for a degree of flexibility, no major modifications occurred in the 31:1 maximum class size ratio. Section size may vary depending on room capacity and may be discipline specific. For example, the Computer Information Systems class sizes are determined by computer workstations in the lab, with a seat count in most of these courses ranging from 20-24 seats.

The average class size for 2021 was 17 students per course and included enrollment in

<sup>&</sup>lt;sup>33</sup> STIS 3.11 Credit Classes by Term as of 09/27/2022

<sup>&</sup>lt;sup>34</sup> SC RS: STIS.3.11 – (State Report 1) Reporting Year: 2021, PPL and Credit by Academic Year

<sup>&</sup>lt;sup>35</sup> SC Staffing Summary Report, Fall 2021 as of 09/27/2022

<sup>&</sup>lt;sup>36</sup> SC Staffing Summary Report, Fall 2021 as of 09/27/2022

<sup>&</sup>lt;sup>37</sup> SC Staffing Summary Report, Fall 2021 as of 09/27/2022

# IV. Facility Assessment

a) Summary description of each facility according to categories outlined in "net-to-gross ratio guidelines for various building types," DMB-Office of Design and Construction Major Project Design Manual, appendix 7. If a facility is of more than one "type," please identify the percentage of each type within a given facility.

See Exhibit A.

# b) Building and/or classroom utilization rates to industry standards.

### **Room Utilization Methodology**

Like many colleges, our goal is to deliver quality instruction while keeping the safety of our students and staff a top priority. Because of this, Schoolcraft College offers a variety of course formats. For Fall 2022, 66% are offered face-to-face, 27% of classes are offered online, and 6% are offered in either a hybrid or remote synchronous format.<sup>39</sup>

During a normal semester, the heaviest demand by students for classes falls into two categories: Daytime - Monday through Thursday, 7:00 a.m. - 2:00 p.m., Evenings - Monday through Thursday, 6:00 p.m. - 10:00 p.m. However, we have reported room utilization in this section of the capital outlay as follows:

- Peak Monday through Friday
- Off Peak Monday through Friday
- Off Peak Monday through Friday
- Evening Monday through Thursday
- Weekends Friday

Saturday & Sunday

10:00 a.m. – 3:00 p.m. 7:00 a.m. – 10:00 a.m. 3:00 p.m. – 5:00 p.m. 5:00 p.m. – 10:00 p.m. 5:00 p.m. – 10:00 p.m. 8:00 a.m. – 10:00 p.m.

# Main Campus Fall Semester 2022 Facility Usage<sup>40</sup>

	Peak	Off I	Peak	Evening	Wee	ekend
Building/Room Type	M-F	M-F	M-F	M-Th	F	Sa/Sun
	10am- 3pm	7am- 10am	3pm- 5pm	5pm- 10pm	5pm- 10pm	7am- 10am
Classrooms						
Biomedical Technology Center Classrooms	56%	35%	49%	51%	100%	100%
Bradner Library Classrooms	37%	11%	23%	12%	0%	1%
Elite Sport Center Classrooms	48%	7%	9%	0%	6%	17%
Forum Classrooms	38%	34%	29%	37%	28%	37%
Health Sciences Classrooms	29%	17%	14%	28%	24%	2%
Jeffress Center Classrooms	21%	22%	4%	10%	4%	5%
Liberal Arts Classrooms	42%	21%	26%	26%	3%	19%
McDowell Center Classrooms	28%	17%	24%	16%	0%	0%
Physical Education Classrooms	11%	0%	27%	24%	0%	6%
VisTaTech Center Classrooms	45%	48%	58%	59%	46%	39%

<sup>&</sup>lt;sup>38</sup> SC Reports: STIS 3.21 Credit Classes by Term, 2021/03 – 2022/02, (Total Amount of Students / Number of Sections), Active Sections Only, exclude sections with 0 enrollment, include primary section only for COMBO sections.

<sup>&</sup>lt;sup>39</sup> Informer: Summary of Classes, 2022/04, exclude VLC - as of 09/27/2022

<sup>&</sup>lt;sup>40</sup> EMS Room Utilization Report – Fall 2022

Labs						
Biomedical Technology Center Labs***	30%	24%	33%	15%	16%	1%
Elite Sport Center Labs***	11%	0%	0%	0%	0%	0%
Forum Labs***	35%	29%	36%	33%	35%	6%
Health Sciences Labs***	36%	21%	23%	16%	55%	25%
Jeffress Center Labs***	23%	4%	34%	35%	37%	9%
Liberal Arts Labs - Theater ****	15%	0%	18%	32%	0%	0%
McDowell Center Labs **	38%	22%	27%	0%	0%	0%
Physical Education Labs	41%	20%	37%	45%	69%	22%
VisTaTech Center Labs ***	48%	61%	42%	24%	15%	11%
Computer Labs**						
Biomedical Technology Center Computer Labs	100%	100%	100%	100%	100%	100%
Forum Computer Labs	100%	100%	100%	100%	100%	100%
Jeffress Center Computer Labs	100%	100%	100%	100%	100%	100%
Health Sciences Computer Labs	100%	100%	100%	100%	100%	100%
Liberal Arts Computer Labs	100%	100%	100%	100%	100%	100%
McDowell Center Computer Labs	100%	100%	100%	100%	100%	100%
VisTaTech Center Computer Labs	100%	100%	100%	100%	100%	100%

\*\*When not scheduled for classes, computer labs are open for faculty to work with students from 8:00AM to 10:00PM, as such, shown as having 100% utilization.

\*\*\*These are very specialized labs that are only open when a class is being held or an instructor is present in the lab because of the equipment present.

\*\*\*\*Theater is used for performances, plays, stage set-up, rehearsals, etc. when not scheduled for classes.

# Manufacturing & Engineering Center - Fall Semester 2022 Facility Usage<sup>41</sup>

		Peak Off F		Evening	Weekend	
Building/Room Type	M-F	M-F	M-F	M-Th	F	Sa/Sun
	10am- 3pm	7am- 10am	3pm- 5pm	5pm- 10pm	5pm- 10pm	7am- 10am
Classrooms						
Manufacturing & Engineering Center Classrooms	24%	8%	22%	25%	57%	10%
Labs						
Manufacturing & Engineering Center Labs***	13%	4%	18%	20%	14%	7%
Computer Labs**		· · · · · · · · · · · · · · · · · · ·				
Manufacturing & Engineering Center Computer Lab	100%	100%	100%	100%	100%	100%

\*\*When not scheduled for classes, computer labs are open for faculty to work with students from 8:00AM to 10:00PM, as such, shown as having 100% utilization.

\*\*\*These are very specialized labs that are only open when a class is being held or an instructor is present in the lab because of the equipment present.

# Public Safety Training Complex Fall Semester 2021 Facility Usage<sup>42</sup>

		Off Peak		Peak Evening		ekend
Building/Room Type	M-F	M-F	M-F	M-Th	F	Sa/Sun
	10am- 3pm	7am- 10am	3pm- 5pm	5pm- 10pm	5pm- 10pm	7am- 10am
Classrooms						
Academy Training Center Classroom	63%	53%	60%	21%	5%	18%

<sup>41</sup> EMS Room Utilization Report – Fall 2022

<sup>42</sup> EMS Room Utilization Report – Fall 2022

Firearms Training Center Classrooms	38%	13%	36%	29%	0%	7%
Labs						
Academy Training Center Labs	55%	42%	53%	19%	6%	33%
Firearms Training Center Labs	29%	23%	11%	1%	0%	9%
Computer Labs**						
Firearms Training Center Computer Labs	100%	100%	100%	100%	100%	100%

\*\*When not scheduled for classes, computer labs are open for faculty to work with students from 8:00AM to 10:00PM, as such, shown as having 100% utilization.

# Fall 2022 - Classroom and Lab Usage - All Campus Buildings<sup>43</sup>

	Peak	Off I	Peak	Evening	Wee	ekend
Building/Room Type	M-F	M-F	M-F	M-Th	F	Sa/Sun
	10am- 3pm	7am- 10am	3pm- 5pm	5pm- 10pm	5pm- 10pm	7am- 10am
Classrooms						
Total classroom hours for all Buildings	14,450	4,815	4,028	8,352	545	5,204
Total Utilization Rate for all Buildings	39%	24%	29%	30%	32%	20%
Labs						
Total lab hours for all Buildings	23,200	3,203	2,595	4,264	518	1,388
Total Utilization Rate for all Buildings	33%	27%	31%	25%	27%	11%

# c) Mandated facility standards for specific programs, where applicable.

Many of our programs require specialized classrooms/labs such as Welding, Robotics, Plastic Technology, Manufacturing, Metallurgy, Nursing, Recording Technology, Pharmacy Technician, Medical Imaging, Police and Fire Academies, EMT, and Medical Assisting.

# d) Functionality of existing structures and space allocation to program areas served.

See Renovation Priorities and Major Maintenance Priorities (under Section V, part b) and Exhibit

<u>A</u>.

# e) Replacement value of existing facilities (insured value of structures to the extent available).

Annually R.A. Schettler, Inc., an independent certified appraisal service, establishes the replacement value of the College's buildings. The most recently completed version was on October 1, 2022, and the summation is included in <u>Exhibit B</u>.

# f) Utility system condition.

See Exhibit A.

# g) Facility infrastructure condition.

See Exhibit A.

# *h)* Adequacy of existing utilities and infrastructure systems to current and 5-year projected programmatic needs.

The IT (Information Technology) Infrastructure project is complete. Expansion of the wireless system is ongoing. Utilities and other infrastructure systems will need to be extended to

<sup>&</sup>lt;sup>43</sup> EMS Room Utilization Report – Fall 2022

incorporate additional parking and buildings anticipated over the next five years.

*i)* Does the institution have an enterprise-wide energy plan? What are its goals? Have energy audits been completed on all facilities, if not, what is the plan/timetable for completing such audits?

The College has a written 5-year Energy Plan with the goals of providing energy savings and associated cost avoidance. We are constantly evaluating and updating campus systems.

# *j)* Land owned by the institution; include a determination of whether capacity exists for future development, if additional acquisitions are needed to meet future demands, or surplus land can be conveyed for a different purpose.

The College has performed a long-range master planning exercise identifying several building sites on the main campus.

# *k)* What portions of existing buildings, if any, are currently obligated to the State Building Authority and when are these State Building Authority leases set to expire.

The Business and Industry Training Center and Waterman Campus Center Expansion (VisTaTech) is leased to the State. The Technical Services Facility (Biomedical Technology Center) is leased to the State and will expire approximately November 1, 2043.

### V. IMPLEMENTATION PLAN

a) Prioritize major capital projects requested from the State, including a brief project description and estimated cost, in the format provided.

The College was approved and is presently working on a capital outlay project for our Applied Sciences building to become a Health Science Center.

# b) Define the impact of addressing deferred maintenance and structural repairs, including programmatic impact, immediately versus over the next five years.

<u>Exhibit A</u> outlines the total deferred maintenance backlog of the College by building showing the costs of doing the repairs immediately and the additional cost that is accrued the longer the repairs are deferred. This information is taken from our 10-year Deferred Maintenance plan that has been created by Schoolcraft with the help of an outside architectural firm and is maintained by Schoolcraft's Department of Construction and Design.

Continuing to defer the maintenance needed in these buildings limits the opportunities that Schoolcraft can offer to its students. With limited lab and classroom space for particular programs, wait lists must be created instead of allowing more students into the in-demand programs. Additionally, some of the classrooms need an update in technology to bring the classrooms to current Schoolcraft standards.

Major	Maintenance (	(2021 - 2025)	)

\$	200 000 00	
Ψ	200,000.00	
\$	107,000.00	
\$	25,000.00	
\$	65,000.00	
\$	100,000.00	
\$	50,000.00	
\$	30,000.00	
	\$ \$ \$ \$	\$ 107,000.00 \$ 25,000.00 \$ 65,000.00 \$ 100,000.00 \$ 50,000.00

Year Total	\$	577,000.00
Year 2022		
Waterman Wing Roof Replacement	\$	75,000.00
Rebuild Parking Lot - Main Campus Center	\$	300,000.00
Water Main Replacements	\$	150,000.00
Secondary Electrical Phase 2 (A/F)	\$	150,000.00
Campus Sidewalk Replacements	\$	30,000.00
Parking Lot Sealcoating	\$	50,000.00
Year Total	\$	755,000.00
	Ŧ	
Year 2023		
Fascia Replacement (SB/WCC)	\$	100,000.00
Secondary Electrical Phase 3	\$	250,000.00
Secondary Electrical Subpanels	\$	250,000.00
Rebuild Parking Lot - Main Campus South	\$	1,500,000.00
Parking Lot Sealcoating	\$	60,000.00
Campus Sidewalk Replacements	\$	60,000.00
Year Total	\$	2,220,000.00
Year 2024		
PE North Roof Replacements - Pool/NE	\$	220,000.00
Mechanical Room		
Service Building Roof Replacement	\$	115,000.00
Grote Flat Roof & Fascia Replacement	\$	55,000.00
Year Total	\$	390,000.00
Year 2025		
Rebuild Parking Lot - Main Campus North	\$	1,250,400.00
Year Total	\$	1,250,400.00

# Renovation Priorities (2021 - 2025)

Year 2021		
Capital Outlay - Forum Science and Humanities Renovation & Addition	\$ 22,500,000.00	
Year Total	\$ 22,500,000.00	
Year 2022		
Liberal Arts Classroom Renovations (20)	\$ 1,400,000.00	
Computer Room Upgrades - Phase 2	\$ 200,000.00	
Year Total	\$ 1,600,000.00	
Year 2023		
FTC and ATC Parking Lot Replacements	\$ 750,000.00	
Renovate DDC (Duplication/Design Center)	\$ 100,000.00	
Waterman Student Activities - Phase 3 Renovation	\$ 500,000.00	
Renovate 4 BTC Classrooms	\$ 240,000.00	
Year Total	\$ 1,590,000.00	

Year 2024		
Waterman Wing Atrium	\$ 250,000.00	
Renovate Campus Classrooms	\$ 600,000.00	
Year Total	\$ 850,000.00	
Year 2025		
BTC Simulation Upgrade	\$ 850,000.00	
Expand Cold Storage and Add Utilities	\$ 150,000.00	
Renovate Campus Classrooms	\$ 600,000.00	
Year Total	\$ 1,600,000.00	

c) Include the status of on-going projects financed with State Building Authority resources and explain how completion coincides with the overall 5-year plan.

We are at the 600 phase of our currently approved Capital Outlay project.

d) Identify, to the extent possible, a rate of return on planned expenditures.

Not applicable.

c) Where applicable, consider alternatives to new infrastructure, such as distance learning.

We currently offer a wide variety of online and hybrid courses. We are planning to launch a new remote synchronous modality in Spring 2023 to address consumer interest.

f) Identify a maintenance schedule for major maintenance items in excess of \$1,000,000 for fiscal year 2021 through fiscal year 2025.

See Major Maintenance Priorities and Renovation Priorities (under section V, part b).

### SCHOOLCRAFT COLLEGE; ACADEMY TRAINING CENTER - SCHEDULED MAINTENANCE PROGRAM

	1	SCHEDULED MAINTENANCE PR	OGRAM - YEAR ZERO:	2013		I	NFLAT	ON RAT	<mark>Е (%):</mark>	1.8%					LEG	IND				
				BUILDING											AVERAGE					
		BUILDING SECTION (BUILDING TYPE) ACADEMY TRAINING CENTER (CLASSROOM)	BUILDING AGE (YRS) 1988	AREA (GSF) 23,063											JBIC FEET JBIC YARDS					
		ACADEMIT TRAINING CENTER (CLASSROOM)	1988	23,003										EA: EA						
															STIMATED	USEFUL LIF	E			
							IT	EM NO.	CODES					GSF: G	GROSS SQU	ARE FEET				
				YEAR: 2023											OCATION (					
		MAINTENANCE BACKLOG		\$ 35,388		AI: ACC	ESSIBILI	TY IMPRO	OVEMEN	т					RESENT VAL					
		REPLACEMENT VALU	JE FOR THE BUILDING:	\$ 6,268,800				XTERIOR						RUL: E	STIMATED	USEFUL LII	E			
		FACILITY CC	ONDITION INDEX (FCI):	1%				NTERIOR						SF: SQ	UARE FEET					
						BS: BUI									UARE YARI	DS				
				BUILDING		-		SYSTEM						YRS: Y	'EARS					
		Schoolcraft College	FCI	CONDITION				CAL SYSTE	M											
		College	FCI < 5%	GOOD				SYSTEM						REMA	INING USE					
		Concesc	5%< FCI< 10%	FAIR		SG: SITE										RUL = 1 Y		RLESS		
			10% < FCI	POOR		SE: SPE		QUIPME	INI							RUL = 5 Y		OR GREATER		
																KUL - 10	LANJ	OR GREATER		
				YEAR ITEM			AVG	TIME		ITEM				SC	HEDULED	MAINTEN	ANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM		6		7	8		9	10	)
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST		2019	2	2020	2021		2022	202	3
		BUILDING ENVELOPE (includes items exterior to building)				-				44.44		\$	3,426	Ş	3,487	Ş 3,	550	\$ 3,614	Ş 3	3,679
		ROOF REPLACEMENT.	MMM16	2012			25	1	24	\$0.00					1.0.16			Å 1.005		
ATC-		STEEL LINTEL MAINTENANCE.	MMM16	1988	110	LF	15	25	-10	\$10.80	\$ 1,188	\$	1,322	\$	1,346	\$ 1	370	\$ 1,395	\$ 1 \$	1,420
ATC-	BE003 BE004	OVERHEAD DOOR SEAL REPAIRS. COMPLETED	780	2018	1 200	LS SF	15 25	0 25	15	\$0.00	\$ <u>1,890</u>	\$	-	Ş	- 2,141	\$ ¢ 7	- 180	<u>\$</u>	Ŷ	- 2,259
ATC-		CONCRETE WALK REPLACEMENTS BUILDING INTERIOR	SSS18	1988	200	SF	25	25		\$9.45	\$ 1,890	Ş	2,104	\$ ¢	2,141		180	\$ 2,219	> 4 ¢	2,259
		BOILDING INTERIOR	110, 310, 550, 555,			1			T T			Ş		Ş	-	Ş	-	ş -	Ş	-
ATC-	BI001	WALL FINISH UPDATES - ALLOWANCE.	590, W05, W06 AND	VARIOUS						\$0.00									1	
			X03																	
			110, 310, 550, 555,																1	
			590, W05, W06 AND																1	
ATC-	BI002	FLOOR FINISH UPDATES - ALLOWANCE.	X03 TRAINING ROOM	VARIOUS						\$0.00									1	
			/ 2018 - PULASTIC																1	
			TRAINING ROOM																1	
			FLOOR RECOATED.							_		Ś		Ś		*		<b>\$</b> -	4	
		PLUMBING SYSTEMS (may be packaged with BI item scope) DOMESTIC HOT WATER RETURN CIRCULATING PUMP				1						Ş	-	>	-	\$	-	Ş -	>	-
ATC-	PS001	MAINTENANCE/REPLACEMENT.	UUU24	2012			20	1	19	\$0.00									1	
ATC-	PS002	PLUMBING FIXTURE REPLACEMENTS.	UUU24	2012			20	1	19	\$0.00										
ATC-	PS003	DOMESTIC HOT WATER HEATER REPLACEMENT.	UUU24	2012			10	1	9	\$0.00										
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$	29,525	\$	30,057	\$ 30,	598	\$ 31,149	\$ 31	L,709
ATC-	MS001	RAPID AIR HANDLING UNIT REPLACEMENT.	UUU25	2012			20	1	19	\$0.00									L	
		VAV/CAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	2012			20	1	19	\$0.00										
	MS003	EXHAUST AIR FAN MAINTENANCE/REPLACEMENT.	UUU25	2012			20	1	19	\$0.00									<u> </u>	
ATC-	MS004	PACKAGED SMALL ROOFTOP AIR HANDLING UNIT REPLACEMENTS.	UUU25	2012			20	1	19	\$0.00				ļ					L	
	MS005	CABINET UNIT HEATER REPLACEMENT.	UUU25	2010			20	3	17	\$0.00		L							<b> </b>	
		SPLIT-SYSTEM DX A/C UNIT REPLACEMENT.	UUU25	2010			15	3	12	\$0.00		-		ļ					<b> </b>	
ATC-	MS007	REFRIGERANT CONDENSING UNIT REPLACEMENT.	UUU25	2010			15	3	12	\$0.00		<u> </u>		ļ					<b> </b>	
		AIR COMPRESSOR MAINTENANCE/REPLACEMENT.	UUU25	2010			20	3	17	\$0.00		<u> </u>		ļ					<b> </b>	
ATC-	MS009	MAIN JCI ROOFTOP UNIT.	UUU25	2010			20	3	17	\$0.00		<u> </u>							───	
ATC-		MAIN JCI ROOFTOP UNIT CONDENSER.	UUU25	2010			20	3	17	\$0.00					00.6	A -	= 0.0	A	-	
ATC-	MS011	DUCT CLEANING.	UUU25	2010	23,068	SF	10	3	7	\$1.15	\$ 26,528	\$	29,525	\$	30,057	\$ 30	598	\$ 31,149	\$ 31	1,709

#### SCHOOLCRAFT COLLEGE; ACADEMY TRAINING CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM				SCHEDULED		ENANC	E PLAN Y	'EAR	
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7	1	8	9	, ,	10
гос	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020	20	21	202	22	2023
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$-		\$-	\$	-	\$	-	\$-
ATC-	ES001	BUILDING SERVICE TRANSFORMER (OWNED BY DTE).	UUU04	2010			20	3	17	\$0.00									
ATC-	ES002	MAIN SWITCHBOARD.	UUU05	2010			20	3	17	\$0.00									
ATC-	ES003	STANDBY GENERATOR.	UUU25	2010			20	3	17	\$0.00									
ATC-	ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2010			20	3	17	\$0.00									
ATC-	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2010			20	3	17	\$0.00									
ATC-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	2010			20	3	17	\$0.00									
ATC-	ES007	VARIABLE FREQUENCY DRIVE (VFD).	UUU25	2012			15	1	14	\$0.00									
ATC-	ES008	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	2010			20	3	17	\$0.00									
ATC-	ES009	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2010			20	3	17	\$0.00									
ATC-	ES010	EXIT LIGHTING.	U06	2010			20	3	17	\$0.00									
ATC-	ES011	CORRIDOR LIGHTING.	W06	2010			20	3	17	\$0.00									
ATC-	ES012	CLASSROOM LIGHTING	100	2010			20	3	17	\$0.00									
ATC-	ES013	OFFICE LIGHTING.	300	2010			20	3	17	\$0.00									
ATC-	ES014	GARAGE LIGHTING.	740	2010			20	3	17	\$0.00									
ATC-	ES015	PARKING LOT LIGHTING.	UUU10 AND UUU11	2010			30	3	27	\$0.00									
ATC-	ES016	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	2010			20	3	17	\$0.00									
ATC-	ES017	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS).	110 AND 210	2010			20	3	17	\$0.00									
ATC-	ES018	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS)	W05 AND W06	2010			20	3	17	\$0.00									
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)										\$-		\$-	\$	-	\$	-	\$ -
ATC-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2010			20	3	17	\$0.00									
ATC-	BS002	FIRE ALARM DEVICES.	UUU07	2010			20	3	17	\$0.00									
ATC-	BS003	BOILER EPO SYSTEM.	Y04	2010			20	3	17	\$0.00									
ATC-	BS004	PRIMAX CLOCK SYSTEM.	UUU25	2010			20	3	17	\$0.00									
ATC-	BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2010			20	3	17	\$0.00									
ATC-	BS006	SECURITY ACCESS SYSTEM. COMPLETED 2021.	UUU14	2021			20	0	20	\$0.00									
ATC-	BS007	IT SYSTEMS	UUU02	2010			20			\$0.00									
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$-		\$-	\$	-	\$	-	\$ -
ATC-	SE001	POLICE/FIRE TRAINING MAZE MAJOR MAINTENANCE.	550	2010			25	3	22	\$0.00									
		ACCESSIBILITY IMPROVEMENTS										\$-		\$-	\$	-	\$	-	\$ -
ATC-		NONE																	
							ANN	UAL FU		REQUIREME	NTS (ROUNDED):	\$ 32,9	51	\$ 33,544	\$ 3	34,148	\$ 3	4,763	\$ 35,388

#### SCHOOLCRAFT COLLEGE; BIOTECHNOLOGY CENTER - SCHEDULED MAINTENANCE PROGRAM

		SCHEDULED MAINTENANCE PR	OGRAM - YEAR ZERO:	2013		I	NFLAT	ION RAT	<mark>Έ (%):</mark>	1.8%				LEG	END					
				BUILDING AREA									AVG: AVE	RAGE						
		BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	(GSF)									CF: CUBIC				1			
		BIOTECHNOLOGY CENTER (CLASSROOM)	2008	50,128									CY: CUBIC EA: EACH							
														MATED US	EFUL LIFE					
								ITEM N	0. COD	ES				SS SQUAR						
				YEAR: 2023									LOC: LOC	ATION (SIT	E/BLDG)		1			
		MAINTENANCE BACKLOG V	ALUE FOR BUILDING:	\$ 151,146		AI: ACC	ESSIBIL	ITY IMPR	OVEME	NT			PV: PRESE	NT VALUE			]			
		REPLACEMENT VALU	E FOR THE BUILDING:	\$ 19,787,400		BE: BUI	LDING I	EXTERIO	ł				RUL: ESTI	MATED US	EFUL LIFE		]			
		FACILITY CO	NDITION INDEX (FCI):	1%		BI: BUIL	DING I	NTERIOR					SF: SQUA	RE FEET			1			
						BS: BUI	LDING S	SYSTEM					SY: SQUA	RE YARDS			]			
				BUILDING		ES: ELEC	CTRICAL	SYSTEM					YRS: YEAR	RS			]			
			FCI	CONDITION		MS: ME	CHANI	CAL SYST	EM								-			
		Schoolcraft College	FCI < 5%	GOOD		PS: PLU	MBING	SYSTEM					REMAININ	NG USEFU	LIFE (RUL) I	BAROME	TER			
		<b>College</b>	5%< FCI< 10%	FAIR		SG: SITE									RUL = 1 YE		ESS			
			10% < FCI	POOR		SE: SPE	CIALTY	EQUIPM	NT						RUL = 5 YE					
															RUL = 10 Y	EARS O	R GREA	ER		
				YEAR ITEM			AVG	TIME		ITEM				DEFERRE		IANCE P	LAN YE	AR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM		IN USE	RUL	UNIT	ITEM	6		7	8			9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY			(YRS)		СОЅТ	FIRST COST	2019	20	20	202	1		2022		2023
											_		1							
		BUILDING ENVELOPE (includes items exterior to building)				-				10.00		\$-	\$	-	\$	-	\$	-	\$	-
BTC-		ROOF REPLACEMENT.	MMM16	2008			20	5	15	\$0.00									<u> </u>	
BTC-		MASONRY MAINTENANCE.	MMM16	2008			50	5	45	\$0.00									<u> </u>	
BTC-		EXTERIOR SEALANT MAINTENANCE.	MMM16	2008			20	5	15	\$0.00									<u> </u>	
BTC-	BE004	WINDOW REPLACEMENTS.	MMM16	2008			30	5	25	\$0.00									<u> </u>	
BTC-		WEST ENTRY SLIDER DOOR MAINTENANCE/REPLACEMENTS.	W06	2008			20	5	15	\$0.00										
BTC-		CLERESTORY MAINTENANCE.	MMM16	2008			20	5	15	\$0.00									<u> </u>	
BTC-	BE007	EAST PATIO MAINTENANCE.	SSS18	2008			20	5	15	\$0.00									L	
BTC-	BE008	BREAKOUT AREA (OUTSIDE OF BTC300) LOUNGE FURNITURE UPDATES/REPAIRS/REPLACEMENTS	650	2008			20	5	15	\$0.00										
BTC-	BE009	CORRECT GRADE DRAINAGE PROBLEM.	SSS18	2017	1	LS	20	0	20	\$10,000.00	\$0	\$ -	\$	-	\$	-	\$	-	\$	-
BTC-		PAVEMENT REPAIRS AT EXTERIOR BREAKOUT AREAS.	SSS18	2017	25	SF	20	0	20	\$300.00	\$0	\$ -	\$	-	\$	-	\$	-	\$	-
		BUILDING INTERIOR										\$ 55,927	\$	56,934	\$ 5	7,959	\$	59,002	\$	60,064
BTC-	BI001	LAB STOOL REPLACEMENTS.	210	2008	40	EA	10	5	5	\$200.00	\$8,000	\$ 8,903.83	\$	9,064.09	\$9,	227.25	\$	9,393.34	\$	9,562.42
BTC-	BI002	LABORATORY SHEET FLOORING REPLACEMENTS.	210 AND 215	2008	2,400	SF	20	5	15	\$8.00	\$19,200	\$ 21,369.18	\$ 2	1,753.83	\$ 22,	145.40	\$	22,544.01	\$	22,949.81
BTC-	BI003	INTERIOR WOOD DOOR	110, 210, 215, 310	2008			20	5	15	\$0.00										
BTC-		ASSESSMENT/MAINTENANCE/REPLACEMENTS.	AND 410 110, 210, 215, 310, 410, 650, W05 AND	2008			15	5	10	\$0.00										
bic	51004		W06 110, 210, 215, 310,	2000			15			\$0.00									<u> </u>	
BTC-		FLOOR FINISH UPDATES - ALLOWANCE.	410, 650, W05 AND W06	2008			15	5	10	\$0.00										
BTC-	BI006	ENTRANCE MAT REPLACEMENT.	W05 AND W06	2008	1,270	SF	10	5	5	\$15.00	\$19,050	\$ 21,202.24	\$ 2	1,583.88	\$ 21,	972.39	\$	22,367.89	\$	22,770.51
BTC-	BI007	STUDY ROOM GYPSUM BOARD WALL REPAIRS/PROTECTION TO ADDRESS DAMAGE FROM CHAIRS.	410	NONE	100	LF	20			\$40.00	\$4,000	\$ 4,451.91	\$	4,532.05	\$ 4,	613.62	\$	4,696.67	\$	4,781.21
BTC-	BI008	FURNITURE UPDATES IN VENDING AREA.	650	2008			15	5	10	\$0.00										
BTC-	BI009	CORRIDOR BENCH REPAIRS/REPLACEMENTS/UPDATES.	W05 AND W06	2008			15	5	10	\$0.00										
		PLUMBING SYSTEMS (may be packaged with BI item scope)										\$ -	\$	-	\$	-	\$	-	\$	-
BTC-	PS001	DOMESTIC HOT WATER PUMP MAINTENANCE/REPLACEMENT.	UUU24	2008			20	5	15	\$0.00										
BTC-	00000	ACID WASTE TANK MAJOR MAINTENANCE.	210 AND 215	2008			10	5	5	\$0.00			1						1	

#### SCHOOLCRAFT COLLEGE; BIOTECHNOLOGY CENTER - SCHEDULED MAINTENANCE PROGRAM

ELECTROCAL SYSTEMS (may be galaxing with Bit hem scope)         Image: Constraint of the score in the s				YEAR ITEM			AVG	TIME		ITEM				DEFERRED	MAINTENANCE PLAN	I YEAR	
INDUMCAL VITAMI INPLATEMENT NUMBER NUMBER       UNDUP       2008       2       4       3       3       1,309       5       1,309       5       1,309       5       1,309       5       1,309       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       5       1,300       6       1,300       6       1,300       7       1,300       5       1,300       6       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7       1,300       7 <th>ITEM</th> <th></th> <th>FICM</th> <th>WAS PUT</th> <th>ITEM TOTAL</th> <th>ITEM</th> <th>EUL</th> <th>IN USE</th> <th>RUL</th> <th>UNIT</th> <th>ITEM</th> <th></th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th>	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM		6	7	8	9	10
Bits         Bits <th< th=""><th>LOC NO.</th><th>ITEM</th><th>CODE</th><th>INTO SERVICE</th><th>QUANTITY</th><th>UNITS</th><th>(YRS)</th><th>(YRS)</th><th>(YRS)</th><th>) соѕт</th><th>FIRST COST</th><th>2</th><th>2019</th><th>2020</th><th>2021</th><th>2022</th><th>2023</th></th<>	LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	) соѕт	FIRST COST	2	2019	2020	2021	2022	2023
Bits         Bits <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td></td><td>a aca  </td><td></td><td>0.500</td><td><b>A A FAC</b></td></th<>												4		a aca		0.500	<b>A A FAC</b>
Image     Image   <					-					41 500 00	40.000	>		3,355	,400 Y		
Image     Image   <						_	-	5			\$3,000	Ş	3,338.93 \$	3,399.04	3,460.22 \$	3,522.50	3,585.91
Image       Description       Description <thdescription< th="">      &lt;</thdescription<>	BTC- MS002	BOILER REPLACEMENT.	00022	2008			30	5	25	\$0.00							
Image       Image <t< td=""><td>BTC- MS003</td><td>HEATING HOT WATER PUMP MAINTENANCE/REPLACEMENTS.</td><td>UUU22</td><td>2008</td><td></td><td></td><td>20</td><td>5</td><td>15</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	BTC- MS003	HEATING HOT WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU22	2008			20	5	15	\$0.00							
Image: No. 10       Image: No. 10       No. 10 <th< td=""><td>BTC- MS004</td><td>CHILLED WATER PUMP MAINTENANCE/REPLACEMENTS.</td><td>UUU20</td><td>2008</td><td></td><td></td><td>20</td><td>5</td><td>15</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	BTC- MS004	CHILLED WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU20	2008			20	5	15	\$0.00							
International part leaves haves have haves have haves have have have have have have have have	BTC- MS005	AHU-1 CIRCULATING PUMP MAINTENANCE/REPLACEMENTS.	Y04	2008			20	5	15	\$0.00							
eiter Moord	BTC- MS006	VF-1 CIRCULATING PUMP MAINTENANCE/REPLACEMENTS.	Y04	2008			20	5	15	\$0.00							
Image       Image <th< td=""><td>BTC- MS007</td><td>UNIT HEATER REPLACEMENTS.</td><td>Y04</td><td>2008</td><td></td><td></td><td>20</td><td>5</td><td>15</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	BTC- MS007	UNIT HEATER REPLACEMENTS.	Y04	2008			20	5	15	\$0.00							
NSD       Association Constraints (ARP CALMENTS)       Qu025       Value       C       C       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S      <	BTC- MS008	CHILLER MAINTENANCE/REPLACEMENT/INDOOR UNIT.	UUU20	2008			25	5	20	\$0.00							
NIC       MNDD       MNDD      <	BTC- MS009	GENERAL EXHAUST FAN MAINTENANCE/REPLACEMENTS.	UUU25	2008			20	5	15	\$0.00							
Inder Auge/Auge/Auge/Auge/Auge/Auge/Auge/Auge/	BTC- MS010	LABORATORY EXHAUST FAN MAINTENANCE/REPLACEMENTS.	210	2008			25	5	20	\$0.00							
Image         NUMBENNARGREVACEMENTS.         ZLO MO 25         Group         Image         Solution	BTC- MS011	VAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	VARIOUS			20			\$0.00							
Int       Mark Condition       Uluing       Dame       Dame       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S<       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S <th< td=""><td>BTC- MS012</td><td></td><td>210 AND 215</td><td>2008</td><td></td><td></td><td>25</td><td>5</td><td>20</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	BTC- MS012		210 AND 215	2008			25	5	20	\$0.00							
Int       More Mark       Uuuus       Version	BTC- MS013		UUU20	2008			15	5	10	\$0.00							
ELECTROCAL SYSTEMS (may be gasking with Bit leem scope)         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V     <	BTC- MS014	JCI BAS CONTROLS.		VARIOUS						\$0.00							
BTC       EXCL       BXC       UUUAN       SOUTA       S       S       S       SOUTA	BTC- MS015	CLEAN AIR DUCT.	UUU25	2008			10	5	5	\$0.00							
BTC         EV22         MAN< SWITCHRDARD.         UUU05         2008          -         -         20         5         550         500           20         500         500           20         500         500           20         50         500           20         50         500           20         50         500           20         50         500           20         50         500           200         50         500           200         50         50         500           200         50         500           200         50         500           200         50         500           200         500           200         50         500           200         50         500           200         500           200         500           200         500		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$	74,013 \$	75,345	5 76,702 \$	78,082	\$ 79,488
BTC         Stand BY SCHERATOR         UUU25         2008          -         20         5         15         900          -         20         5         15         900          -         20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         5         15         900           20         15         15         900        <	BTC- ES001		UUU04	2008			20	5	15	\$0.00							· · · · ·
BTC         Exola         STANDBY GENERATOR         UUU25         2008          -         20         5         55         900          -         20         5         15         9000          -         -         200         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         5         15         9000           20         15         150000         1000000000000000000000000000000000000	BTC- ES002	MAIN SWITCHBOARD.	UUU05	2008			20	5	15	\$0.00							
BTC       ExrOS       STANDEP OWNER SYSTEMA ATS.       UUU25       2008         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       55       5000         20       5       15       5000         20       5       15       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000      <	BTC- ES003	STANDBY GENERATOR.	UUU25	2008			20	5	_	\$0.00							
BTC       ExrOS       STANDEP OWNER SYSTEMA ATS.       UUU25       2008         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       15       5000         20       5       55       5000         20       5       15       5000         20       5       15       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000       50000      <	BTC- ES004							5									
BTC         EXD06         LECTRICAL DISTIBUTION EQUIPMENT:         UUU05         2008           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00           20         5         15         \$0.00              20         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5         20.00         5<								-		-							
BTC       ESO07       VARIABLE FREQUENCY DRIVE (VFD).       UUU25       2008        -       20       5       15       9.0.00        C       0       C       0       C       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	BTC- ES006							5									
BTC       E008       UGHTING AND RECEPTACLE PANELBOARDS.       UUU05       2008         20       5       15       5.000         -       20       5       15       5.000          20       5       15       5.000          20       5       15       5.000          20       5       15       5.000          20       5       15       5.000          20       5       15       5.000          20       5       15       5.000          20       5       15       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000       5.000     <								-									
BTC       EXTENDABULIQUING MUUNTED LIGHTING.       UUU25       2008        -       20       5       15       50.00         2       5       15       50.00         2       5       15       50.00         2       5       15       50.00         2       5       15       50.00         2       2       5       15       50.00         2       2.782.45       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       5       2.835.20       2.835.20       5<								5	_								
BTC       ES010       EXT LIGHTING.       W05 AND W06       2008       -       -       20       5       15       \$50.00       \$2,50.00       \$2,782.45       \$       2.883.23       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.883.23       \$       2.883.23       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.983.26       \$       2.								-									
BTC       ES011       SECONDARY CORRIDOR LIGHTING.       W05 AND W06       2008       1       L5       20       5       15       \$2,82.53       \$       2,88.52       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$       2,935.42       \$								_	_								
BTC       ES012       MAIN CORRIDOR LIGHTING.       W05 AND W06       2008         -       20       5       15       \$0000       \$5,564.98       \$5,567.08       \$5,767.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08       \$5,787.08 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>LS</td> <td></td> <td>-</td> <td>_</td> <td></td> <td>\$2,500</td> <td>Ś</td> <td>2.782.45 Ś</td> <td>2.832.53</td> <td>2.883.52 \$</td> <td>2.935.42</td> <td>\$ 2.988.26</td>					1	LS		-	_		\$2,500	Ś	2.782.45 Ś	2.832.53	2.883.52 \$	2.935.42	\$ 2.988.26
BTC       E5013       CLASSROOMS/MEETING ROOM LIGHTING.       110, 210 AND 680       2008       1       L5       20       5       15       \$5,000.00       \$5,564.89       \$5,665.06       \$5,767.03       \$5,870.84       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81       \$5,970.81 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>Ŧ</td> <td>-,</td> <td>_,</td> <td>-, +</td> <td>_,</td> <td></td>						-		-				Ŧ	-,	_,	-, +	_,	
BTC       ES014       OFFICE LIGHTING.       310       2008       1       LS       20       5       15       \$2,500.0       \$2,282.53       \$2,283.52       \$2,283.52       \$2,293.42       \$2,298.26         BTC       ES015       STORAGE AND UTILITY ROOM LIGHTING.       Y04       2008       1       L5       20       5       15       \$1,500.00       \$1,202.95.6       \$2,22,69.7.6       \$2,23,083.12       \$1,761.25       \$1,761.25       \$1,762.05       \$1,762.05       \$1,762.15       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$2,2,883.21       \$1,762.15       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05       \$1,762.05					1	LS		-			\$5.000	Ś	5.564.89 Ś	5.665.06	5.767.03 \$	5.870.84	5.976.51
BTC       ES015       STORAGE AND UTILITY ROOM LIGHTING.       Y04       2008       1       LS       20       5       15       \$1,669.47       \$1,699.52       \$1,730.11       \$1,761.25       \$2,390.55         BTC       ES015       VACANCY SENSOR LIGHTING CONTROLS.       110 AND 210       2008       1       LS       20       5       15       \$20,000.0       \$22,259.55       \$2,266.24       \$2,306.81.2       \$2,348.35       \$2,390.60.55         BTC       ES015       VACANCY SENSOR LIGHTING CONTROLS.       W0       NONE       1       LS       20       -       -       \$35,000.0       \$3,250.41       \$40,369.21       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$41,095.85       \$4	BTC- ES014		310		1		20	5				\$					
BETC       ES016       VACANCY SENSOR LIGHTING CONTROLS.       110 AND 210       2008       1       LS       20       5       10       \$22,050.6       \$22,060.24       \$23,068.12       \$23,483.35       \$23,908.05         BTC       ES017       DAYLIGHT SENSORS.       W06       NONE       1       L5       20         \$35,000.0       \$38,954.24       \$39,655.41       \$40,369.21       \$40,369.21       \$40,369.21       \$41,405.58         BTC       BS001       FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.       UUU07       2008         20       55       15       \$0.00        E       E       E       6,574       \$4       6,574       \$4       6,574       \$4       6,574       \$4       6,574       \$4       6,574       \$4       6,574       \$4       6,574       \$5       6,314       \$5       6,314       \$5       6,314       \$5       6,314       \$5       6,314       \$5       6,314       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5       6,574       \$5<					1			-				Ś					
BTC       ES01       DAYLIGHT SENSORS.       MORE       1       L5       20         \$\$35,000       \$\$38,954.4       \$\$39,655.4       \$\$40,369.21       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$\$41,095.86       \$								-	_			\$					
BTC       BS00       FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.       UUU07       2008         20       5       15       \$0.00        C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <th< td=""><td>BTC- ES017</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$ 41,835.58</td></th<>	BTC- ES017																\$ 41,835.58
BX0       IFR AARM SYSTEM MAN AND REMOTE PANELS.       UUU07       2008         20       5       15       500         500       500         500       500         500       500         500       500         500       500         500       500         500		BUILDING SYSTEMS (fire, security, IT/media infrastructure)				-						\$	6,344 \$	6,458	6,574 \$	6,693	\$ 6,813
BTC       BS002       IFE ALARM DEVICES.       IFE	BTC- BS001		UUU07	2008			20	5	15	\$0.00							
BIC       BIO       BILER ROOM EPO SYSTEM.       PO4       2008         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20       5       15       50.00         20        20       5       15       50.00         20        20        20        20        20        20        20        20        20        20        20        20        20        20        20        20       20       20       20       20       20       20       20       20								5	_	-							
BEC       BS004       PRIMAX CLOCK SYSTEM.								5		-			1				
Base       SECURITY ACCESS SYSTEM. IMPROVEMENTS WERE MADE IN 2016 & 2019.       UUU14       2008         10       50       15       5000       1       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <th1< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>_</td><td>-</td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></th1<>								-	_	-			1				
Bit       B	BTC- BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2008			20	5	15	\$0.00							
BEC       BS007       IT SYSTEMS.       UUU02       2008       14       EA       10       5       5       \$300.00       \$4,758.05       \$4,848.11       \$4,931.05       \$4,931.05       \$5,020.27         BEC       BS008       IT SYSTEMS.       UUU02       2008	BTC- BS006			2008			20	5									
BTC       BS008       IT SYSTEMS.       UUU02       2008         10       5       5       5000         10       5       5       5000         10       5       5       5000         10       5       5       5000       5        10       5       5       5       5       5       5       10       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5 </td <td>BTC- BS007</td> <td></td> <td>UUU02</td> <td>2008</td> <td>14</td> <td>EA</td> <td>10</td> <td>5</td> <td>5</td> <td>\$300.00</td> <td>\$4.200</td> <td>\$</td> <td>4,674.51 Ś</td> <td>4,758.65</td> <td>4,844.31 \$</td> <td>4,931.50</td> <td>\$ 5.020.27</td>	BTC- BS007		UUU02	2008	14	EA	10	5	5	\$300.00	\$4.200	\$	4,674.51 Ś	4,758.65	4,844.31 \$	4,931.50	\$ 5.020.27
BTC       BS009       IT SYSTEMS.       UUU02       2008       5       EA       10       5       5       \$300.00       \$1,669.47       \$ 1,699.52       \$ 1,730.11       \$ 1,761.25       \$ 1,792.95								5	_	-			,	.,	·, +	.,	
					5	EA		-	_		\$1,500	\$	1,669.47 Ś	1,699.52	1,730.11 \$	1,761.25	\$ 1,792.95
	BTC- BS010	IT SYSTEMS.	UUU02	2008				5	5	\$0.00							

#### SCHOOLCRAFT COLLEGE; BIOTECHNOLOGY CENTER - SCHEDULED MAINTENANCE PROGRAM

			YEAR ITEM AVG TIME ITEM										DEFERRE	D MAINTENANCE	PLAN '	YEAR	
	ITE	м	FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8		9	10
LOC	NO	). ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021		2022	2023
															_		
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$-	\$ -	\$-	\$	-	\$ -
вт	C- SEO	EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH CURRENT COLLEGE BRANDING STANDARDS).	SSS16	2008	1	LS	20	5	15	\$0.00	\$0	\$-	\$ -	\$ -	\$	-	\$ -
		ACCESSIBILITY IMPROVEMENTS										\$ 1,113	\$ 1,133	\$ 1,153	\$	1,174	\$ 1,195
BT	C- AI00	01 DISPLAY CASE IMPROVEMENTS.	W06	2012	1	LS	20	1	19	\$1,000.00	\$1,000	\$ 1,112.98	\$ 1,133.01	\$ 1,153.41	\$	1,174.17	\$ 1,195.30
							ANN	IUAL FU	NDING I	REQUIREMENTS	(ROUNDED):	\$ 140,736	\$ 143,269	\$ 145,848	\$	148,473	\$ 151,146

### SCHOOLCRAFT COLLEGE; BRADNER LIBRARY - SCHEDULED MAINTENANCE PROGRAM

		SCHEDULED MAINTENANCE PROGR	AM - YEAR ZERO:	2013			NFLAT	ON RAT	<mark>E (%):</mark>	1.8%				LEG	GEND		l			
			BUILDING AGE	BUILDING									AV	G: AVERAGE						
		BUILDING SECTION (BUILDING TYPE)	(YRS)	AREA (GSF)										CUBIC FEET						
		BRADNER LIBRARY - TOTAL (LIBRARY)	,	24,236									CY:	CUBIC YARD	S					
		BRADNER LIBRARY - ORIGINAL	1963	22,011									EA:	EACH						
		FLOOR AREA INCREASE AT NORTH END	2005	2,225									EUL	.: ESTIMATED	D USEF	UL LIFE				
							П	EM NO.	CODE	S			GSF	GROSS SQL	JARE I	FEET				
			•	YEAR: 2023									LOO	C: LOCATION	(SITE/	/BLDG)				
		MAINTENANCE BACKLOG VALU		\$ 509,514		AI: ACC	ESSIBILI	TY IMPRO	OVEME	NT			PV:	PRESENT VA	LUE					
		REPLACEMENT VALUE FO		\$ 7,996,600		BE: BUI		XTERIOR					RUI	L: ESTIMATED	D USE	FUL LIFE				
		FACILITY CONDI		¢ 1,555,555				TERIOR						SQUARE FEE		-				
				070		BS: BUI								SQUARE YAF						
														SUCARE TAP	ND3					
				BUILDING				SYSTEM					TRO	DI TEARS			1			
		Schoolcraft	FCI	CONDITION				CAL SYSTE	M											
		Schoolcraft College	FCI < 5%	GOOD				SYSTEM					REN	MAINING US	EFUL L	IFE (RUL) B	AROME	ETER		
		<b>Unege</b>	5%< FCI< 10%	FAIR		SG: SIT	GROU	NDS							RUL	= 1 YEAR C	)R LES	S		
			10% < FCI	POOR		SE: SPE	CIALTY	QUIPME	NT						RUL	= 5 YEARS				
															RUL	= 10 YEAR	5 OR 6	REATER		
														DEFERRED						
				YEAR ITEM				TIME		ITEM					WAI		PLAN			
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM	6		7		8		9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020		2021		2022		2023
		BUILDING ENVELOPE (includes items exterior to building)										\$ 305,991	ć	311,498	Ś	317,105	\$ 3	322,813	Ś	328,624
1-	BE001		MMM16	1963	100	LF	50	50	0	\$10.80	\$ 1,080	\$ 1,202		1,224	Ś	1,246		1,268	4 . 4	1,291
1-	BE001		MMM10	2020	0	SF	15	0	15	\$8,500.00	\$ <u>1,000</u> \$ -	\$ 1,202	ر . ب	1,224	ç	1,240	Ş	1,208	Ş	1,291
-											¥	ś -	<i>.</i>		<i>.</i>				<u> </u>	
L-	BE003		W06	2021	0	EA	15	0	15	\$0.00	<u> </u>	Ŧ	\$	-	\$	-	\$		\$	
L-	BE004		W06	1963	300	SF	30	50	-20	\$4.73	\$ 1,419	\$ 1,579	\$	1,608	\$	1,637	\$	1,666	\$	1,696
L-	BE005	SOUTH SATELLITE YARD FENCING REPLACEMENT AND LANDSCAPING.	MMM05	2013	0	LF	30	0		\$137.70	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-
L-	BEOOG	MEDIA SERVICE ASPHALT DRIVE REPAIRS / REPAVING.	SSS09	2013	0	SF	15	0	15	\$9.45	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-
L-	BE007	REPAIR BRICK MORTAR	MMM16	VARIOUS			10			\$0.00										
L-	BE008	REMOVE AND REPLACE EXTERIOR SEALANT AT MASONRY CONTROL AND EXPANSION JOINTS.	MMM16	2005	100	LF	20	8	12	\$4.73	\$ 473	\$ 526	\$	536	\$	546	\$	555	\$	565
									47			\$ -	\$	-	Ś	-	\$	-	\$	
L-	BE009	NORTH WINDOW SYSTEM MAINTENANCE/REPLACEMENT.	MMM16	2005	1,750	SF	25	8	17	\$0.00	\$ -	ې د							Ś	105,614
L-	BE009								17 9		•		Ś	100.110	۰ Ś	101.912	Ś	103.746	S	
L- L-		REROOFING OF VALLEYS (ADHERED, REINF. EPDM). REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY	MMM16 MMM16 MMM16	2005 1997 1994	1,750 3,850 8,500	SF SF SF	25 25 25	8 16 19		\$0.00 \$22.95 \$21.60	\$ 88,358	•			, \$ \$	101,912 211,765		103,746 215,577		219,458
L- L- L-	BE010	REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING	MMM16	1997	3,850	SF	25	16	9	\$22.95	\$ 88,358 \$ 183,600	\$ 98,340								219,458
L- L- L-	BE010 BE011 BE012	REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING         MAINTENANCE/REPLACEMENT.	MMM16 MMM16 MMM16	1997 1994 1997	3,850 8,500 9,150	SF SF SF	25 25 50	16 19 16	9 6 34	\$22.95 \$21.60 \$0.00	\$ 88,358 \$ 183,600	\$ 98,340 \$ 204,343	\$		\$		\$		\$	219,458
L- L- L-	BE010 BE011	REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING         MAINTENANCE/REPLACEMENT.         NORTH END SECTION REROOFING.	MMM16 MMM16	1997 1994	3,850 8,500	SF SF	25 25	16 19	9 6	\$22.95 \$21.60	\$ 88,358 \$ 183,600	\$ 98,340 \$ 204,343 \$	\$	208,021	\$ \$	211,765	\$ \$	215,577	\$ \$	-
L- L- L-	BE010 BE011 BE012	REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING         MAINTENANCE/REPLACEMENT.	MMM16 MMM16 MMM16 MMM16	1997 1994 1997	3,850 8,500 9,150	SF SF SF	25 25 50	16 19 16	9 6 34	\$22.95 \$21.60 \$0.00	\$ 88,358 \$ 183,600	\$ 98,340 \$ 204,343	\$	208,021	\$ \$		\$ \$		\$ \$	219,458 - - 120,002
L- L- L-	BE010 BE011 BE012	P       REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING         MAINTENANCE/REPLACEMENT.         NORTH END SECTION REROOFING.         BUILDING INTERIOR	MMM16 MMM16 MMM16 MMM16 110, 300, 410, 420, 430, 440	1997 1994 1997	3,850 8,500 9,150	SF SF SF	25 25 50	16 19 16	9 6 34	\$22.95 \$21.60 \$0.00	\$ 88,358 \$ 183,600	\$ 98,340 \$ 204,343 \$	\$	208,021	\$ \$	211,765	\$ \$	215,577	\$ \$	
	BE010 BE011 BE012 BE013	REROOFING OF VALLEYS (ADHERED, REINF. EPDM).         REROOFING OF FLAT ROOF AREA (WHITE, SINGLE-PLY         MEMBRANE).         STANDING SEAM METAL ROOFING         MAINTENANCE/REPLACEMENT.         NORTH END SECTION REROOFING.         BUILDING INTERIOR         WALL FINISH UPDATES - ALLOWANCE.	MMM16 MMM16 MMM16 MMM16 110, 300, 410,	1997 1994 1997 2005	3,850 8,500 9,150	SF SF SF 	25 25 50	16 19 16	9 6 34 17	\$22.95 \$21.60 \$0.00 \$0.00	\$ 88,358 \$ 183,600	\$ 98,340 \$ 204,343 \$	\$	208,021	\$ \$	211,765	\$ \$	215,577	\$ \$	

### SCHOOLCRAFT COLLEGE; BRADNER LIBRARY - SCHEDULED MAINTENANCE PROGRAM

NO.         IEM         CODE         INTO SERVIC         QUANTIFY         VINTS (NS)         (NS) </th <th></th> <th></th> <th></th> <th>YEAR ITEM</th> <th></th> <th></th> <th>AVG</th> <th>TIME</th> <th></th> <th>ITEM</th> <th></th> <th></th> <th></th> <th>[</th> <th>DEFERRED</th> <th>MAIN</th> <th>TENANCE</th> <th>PLA</th> <th>VYEAR</th> <th></th> <th></th>				YEAR ITEM			AVG	TIME		ITEM				[	DEFERRED	MAIN	TENANCE	PLA	VYEAR		
Image: Strate in the period of the strate in the strate strate strate strate in the strate strate strate strate in the	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM		6		7		8		9		10
L         BIOM         RELACE CAPET         420, 490, 440         VARIOUS         34,180         SP         12         -         -         S7.00         S         110,737         S         132,786         S         15,7786         S         15           PLUBAINS FRICUES REFACEMENTS, FAUCTERS AND         XX3         2005         -         -         7         10         8         7         5000         -         -         5         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         S         13,276         S        <	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST		2019		2020		2021		2022		2023
Le         PHOLE         PH			420, 430, 440	VARIOUS	14,160	SF	12			\$7.09	\$ 100,394	\$	111,737	\$	113,748	\$	115,796		117,880		120,002
I         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P<	1					-	<u>г т</u>		1 1			Ş	-	Ş	-	Ş	-	Ş	-	\$	-
L         L         MO3         ZO00           20         8         20         SO00                                                                                                    -	PSUUT		X03	2005			15	8	7	\$0.00											
L-       MOSCI       ARHANDUNG UNT REPLACEMENT.       UUU25       2005       -       -       40       8       7       50.000       5       10.200       5       12.202       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457       5       12.457	PS007		X03	2005			40	8	32	\$0.00										1	
L-       MSO2       STEAM HUMDHEER REPLACEMENT:       UUU22       2005       -       -       FA       S       8       7       SUBBOOL       \$10,800       \$10,200       \$12,207       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247       \$12,247		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$	43,851	\$	44,641	\$	45,444	\$	46,262	\$	47,095
L-       MS003       BOLER REPLACEMENT.       UUU22       2005         25       8       12       50.00         10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	MS001	AIR HANDLING UNIT REPLACEMENT.	UUU25	2005			40	8	32	\$0.00											
L       MS004       HATING HOT WATER BOLER PUMPS       UUU22       2005         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       8       12       50.00         20       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	VIS002	STEAM HUMIDIFIER REPLACEMENT.	UUU25	2005	1	EA	15	8	7	\$10,800.00	\$ 10,800	\$	12,020	\$	12,237	\$	12,457	\$	12,681	\$	12,909
L-       MS005       HEATING SYSTEM PUMP REPLACEMENTS.       UUU20       2005         20       8       12       S0.00        C       Image: Constraint of the constr	VIS003	BOILER REPLACEMENT.	UUU22	2005			25	8	17	\$0.00											
L       MS006       COULING SYSTEM PUMP REPLACEMENTS       UUU20       2005         20       8       12       \$0.00          20       8       12       \$0.00          20       8       12       \$0.00           20       8       12       \$0.00           20       8       12       \$0.00           20       8       12       \$0.00           20       8       12       \$0.00           20       8       12       \$0.00          20       8       12       \$0.00          20       8       12       \$0.00          20       8       12       \$0.00          20       8       12       \$0.00          12       \$0.00          20       8       12       \$0.00          20 <td>VIS004</td> <td>HEATING HOT WATER BOILER PUMPS.</td> <td>UUU22</td> <td>2005</td> <td></td> <td></td> <td>20</td> <td>8</td> <td>12</td> <td>\$0.00</td> <td></td>	VIS004	HEATING HOT WATER BOILER PUMPS.	UUU22	2005			20	8	12	\$0.00											
L-         MSOGE         COULING SYSTEM PUMP REPLACEMENTS.         UUU20         2005           20         8         12         S0.00           -         20         8         12         S0.00            20         8         12         S0.00 <th< td=""><td>VIS005</td><td>HEATING SYSTEM PUMP REPLACEMENTS.</td><td>UUU22</td><td>2005</td><td></td><td></td><td>20</td><td>8</td><td>12</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	VIS005	HEATING SYSTEM PUMP REPLACEMENTS.	UUU22	2005			20	8	12	\$0.00											
L       MSORD       EXHAUST FAN MAINTENANCE/REPLACEMENTS.       UUU2S       2005         20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00          20       8       12       50.00          20       8       12       50.00          20       8       12       50.00          10       8       2       51.11       5       31.71       5       31.84       5       21.043       5       31.271       5       31.84       5       31.35       1.133       5       1.133       5       1.133       5 <th1.133< th="">       5       <th1.133<< td=""><td>VIS006</td><td>COOLING SYSTEM PUMP REPLACEMENTS.</td><td></td><td>2005</td><td></td><td></td><td>20</td><td>8</td><td>12</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th1.133<<></th1.133<>	VIS006	COOLING SYSTEM PUMP REPLACEMENTS.		2005			20	8	12	\$0.00											
L       MSORD       EXHAUST FAN MAINTENANCE/REPLACEMENTS.       UUU2S       2005         20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00           20       8       12       50.00          20       8       12       50.00          20       8       12       50.00          20       8       12       50.00          10       8       2       51.11       5       31.71       5       31.84       5       21.043       5       31.271       5       31.84       5       31.35       1.133       5       1.133       5       1.133       5 <th1.133< th="">       5       <th1.133<< td=""><td>VIS007</td><td>DOMESTIC HOT WATER HEATER PUMP REPLACEMENT.</td><td>UUU24</td><td>2005</td><td></td><td></td><td>20</td><td>8</td><td>12</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th1.133<<></th1.133<>	VIS007	DOMESTIC HOT WATER HEATER PUMP REPLACEMENT.	UUU24	2005			20	8	12	\$0.00											
L       MS009       BETURN MAR FAN REPLACEMENT.       UUU25       2005         25       8       12       S0.00         Image: Constraint of the constraint o	VIS008	EXHAUST FAN MAINTENANCE/REPLACEMENTS.	UUU25	2005			20	8	12	\$0.00											
L       MS010       VAV BOX MAINTENNANCE/REPLACEMENTS.       UUU25       2005         20       8       12       S0.00           20       8       12       S0.00           25       8       17       S0.00            20       8       12       S0.00           20       8       12       S0.00         13       S       31.271       S       31.271       S       31.28       31.271       S       31.28       31.231       S       31.231       S       31.231       S       31.231       S       31.231       S       31.231	VIS009	RETURN AIR FAN REPLACEMENT.					25	8		\$0.00											
L       MS011       UNUT HEATER REPLACEMENTS.       UUU25       2005         25       8       17       S0.00        Image: Constraint of the constraint of	MS010	VAV BOX MAINTENANCE/REPLACEMENTS.					20	8	12	\$0.00											
Li       MS012       CABINET UNIT HEATER REPLACEMENTS.       UUU25       2005       -       -       25       8       17       S0.00       -       Image: Constraint of the constrai	MS011	UNIT HEATER REPLACEMENTS.		2005			25	8	17	\$0.00											
L       MS013       HVAC SYSTEM CLEANING.       UUU25       2005       24,000       SF       10       8       2       \$1.15       \$       27,000       \$       30,718       \$       31,271       \$       31,834       \$       3         L       MS014       SPUT SYSTEM A/C UNT REPLACEMENT.       UUU25       2011         12       8       12       \$0.00           20       8       12       \$0.00            20       8       12       \$0.00           20       8       12       \$0.00          20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00 </td <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												1									
L       MS014       SPLIT SYSTEM A/C UNIT REPLACEMENT.       UUU25       2011        -1       5       2       13       \$0.00            15       2       13       \$0.00            20       8       12       \$0.00            20       8       12       \$0.00            20       8       12       \$0.00             20       8       13       \$0.00          20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20 <td></td> <td></td> <td></td> <td></td> <td>24.000</td> <td>SF</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 27.600</td> <td>Ś</td> <td>30.718</td> <td>Ś</td> <td>31.271</td> <td>Ś</td> <td>31.834</td> <td>Ś</td> <td>32,407</td> <td>Ś</td> <td>32,990</td>					24.000	SF					\$ 27.600	Ś	30.718	Ś	31.271	Ś	31.834	Ś	32,407	Ś	32,990
L.       MS015       BAS UPGRADE       UUU06       2005         20       8       12       \$0.00          20       8       12       \$0.00       \$       1,113       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,133       \$       1,130       \$       1,130       \$       1,130       \$       1,133       \$       1,130       \$       1,130 <t< td=""><td></td><td></td><td></td><td></td><td>,</td><td>-</td><td></td><td></td><td>_</td><td></td><td></td><td>Ť</td><td></td><td>Ŧ</td><td></td><td>Ŧ</td><td></td><td>Ŧ</td><td>,</td><td>+</td><td></td></t<>					,	-			_			Ť		Ŧ		Ŧ		Ŧ	,	+	
L         MS06         INCREASE BOILER AND WATER HEATER STACK HEIGHT TO MEET CODE         UUU22         2005         1         L5         0         8         5         5,1,000         \$         1,113         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,133         \$         1,130         \$ <th< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>				-			-		-			-									
ELECTRICAL SYSTEMS (may be packaged with Bi item scope)         \$ 12,621         \$ 12,621         \$ 12,848         \$ 13,080         \$ 12           L         ES001         BUILDING SERVICE TRANSFORMER         UUU04         2005          -20         8         12         \$0.00          -         20         9         11         \$0.00          -         20         9         11         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00          -         20         8         12         \$0.00	VIS016	INCREASE BOILER AND WATER HEATER STACK HEIGHT TO			1						\$ 1,000	\$	1,113	\$	1,133	\$	1,153	\$	1,174	\$	1,195
L-       ES002       MAIN SWITCHBOARD.       UUU05       2004         20       9       11       \$0.00        Image: Constraint of the state o												\$	12,621	\$	12,848	\$	13,080	\$	13,315	\$	13,555
L-       ES003       STANDBY GENERATOR.       UUU25       2005         20       8       12       \$0.00         0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>ES001</td> <td>BUILDING SERVICE TRANSFORMER</td> <td>UUU04</td> <td>2005</td> <td></td> <td></td> <td>20</td> <td>8</td> <td>12</td> <td>\$0.00</td> <td></td>	ES001	BUILDING SERVICE TRANSFORMER	UUU04	2005			20	8	12	\$0.00											
L-       ES004       LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS)       UUU25       2005         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         20       8       12       \$0.00         10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       <	ES002	MAIN SWITCHBOARD.	UUU05	2004			20	9	11	\$0.00											
L       ES005       STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (AT       UUU25       2005         20       8       12       \$0.00         20       10       10       10       10       10       2005         20       8       12       \$0.00         20       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	ES003	STANDBY GENERATOR.	UUU25	2005			20	8	12	\$0.00											
L-       ESO06       ELECTRICAL DISTRIBUTION EQUIPMENT.       UUU05       2005         20       8       12       \$0.00         1       1       1       1       1       1       1       2005         15       8       7       \$0.00         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS)	UUU25	2005			20	8	12	\$0.00											
L-       ES007       VARIABLE FREQUENCY DRIVE (VFD)       UUU25       2005         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       7       \$0.00         15       8       12       \$0.00         16       ES010       ES010       ES011 GORIDOR LIGHTING.       UUU25       2005         20       8       12       \$0.00         16       ES012       CLASSROOMS/MEETING ROOM LIGHTING.       110, 410, 420, 430 AND A40       2005         20       8       12       \$0.00<	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (AT	UUU25	2005			20	8	12	\$0.00											
L-       ES008       LIGHTING AND RECEPTACLE PANELBOARDS.       UUU05       2005         20       8       12       \$0.00         0         0       8       12       \$0.00         0         0         0       8       12       \$0.00         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th< td=""><td>ES006  </td><td>ELECTRICAL DISTRIBUTION EQUIPMENT.</td><td>UUU05</td><td>2005</td><td></td><td></td><td>20</td><td>8</td><td>12</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	2005			20	8	12	\$0.00											
L       ES008       LIGHTING AND RECEPTACLE PANELBOARDS.       UUU05       2005         20       8       12       \$0.00         0         0       8       12       \$0.00         0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0        0<				2005			15	8	7												
L-       ES009       EXTERIOR BUILDING MOUNTED LIGHTING.       UUU25       2005       16       EA       20       8       12       \$708.75       \$11,340       \$12,621       \$12,848       \$13,080       \$12         L-       ES010       EXIT LIGHTING.       W06       2005         20       8       12       \$0.00         0       0        0       0        0       0        0       0        0       0        0       0        0       0        0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> <td>12</td> <td>\$0.00</td> <td></td>								8	12	\$0.00											
L-       ES010       EXIT LIGHTING.       W06       2005         20       8       12       \$0.00        Image: Construct of the state of the	ES009	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2005	16	EA	20	8	12	\$708.75	\$ 11,340	\$	12,621	\$	12,848	\$	13,080	\$	13,315	\$	13,555
L-       ES012       CLASSROOMS/MEETING ROOM LIGHTING.       110, 410, 420, 430 AND 440       2005        20       8       12       \$0.00			W06	2005			20	8	12	\$0.00											
L-       ES012       CLASSROOMS/MEETING ROOM LIGHTING.       110, 410, 420, 430 AND 440       2005        20       8       12       \$0.00																					
L-       ES013       OFFICE LIGHTING.       300,400 AND 455       2005        20       8       12       \$0.00        10       10       10       10       10       10       10       2005         20       8       12       \$0.00        10       10       10       10       10       2005         20       8       12       \$0.00        10       10       10       10       2005         20       8       12       \$0.00        10       10       10       10       2005         20       8       12       \$0.00        10       10       10       10       2005         20       8       12       \$0.00        10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <td< td=""><td>ES012</td><td>CLASSROOMS/MEETING ROOM LIGHTING.</td><td></td><td></td><td></td><td></td><td>20</td><td>8</td><td>12</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	ES012	CLASSROOMS/MEETING ROOM LIGHTING.					20	8	12	\$0.00											
L-       ES014       STORAGE AND UTILITY ROOM LIGHTING.       Y04       2005         20       8       12       \$0.00        Image: Constraint of the state	ES013	OFFICE LIGHTING.	300, 400 AND	2005			20	8	12	\$0.00											
L- ES015 VACANCY SENSOR LIGHTING CONTROLS. 110, 300, 410, 420, 430, 440 2005 20 8 12 \$0.00	ES014	STORAGE AND UTILITY ROOM LIGHTING.		2005			20	8	12	\$0.00											
	ES015	VACANCY SENSOR LIGHTING CONTROLS.	420, 430, 440	2005			20	8	12	\$0.00											
BUILDING SYSTEMS (fire, security, IT/media infrastructure) \$ 223 \$ 227 \$ 231 \$		BUILDING SYSTEMS (fire, security, IT/media infrastructure)										\$	223	\$	227	\$	231	\$	235	\$	239
L- BS001 FIRE ALARM SYSTEM MAIN AND REMOTE PANELS. UUU07 2005 20 8 12 \$0.00			UUU07	2005			20	8	12	\$0.00											
L- BS002 FIRE ALARM DEVICES. UUU07 2005 20 8 12 \$0.00	BS002	FIRE ALARM DEVICES.	UUU07	2005			20	8	12	\$0.00											

### SCHOOLCRAFT COLLEGE; BRADNER LIBRARY - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFERRED	MAINTENANCE	E PLAN YEAR		
	ITEN		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022		2023
	-		1										r	1	1	-	
L	- BS00	BOILER ROOM EPO SYSTEM.	Y04	2005			20	8	12	\$0.00							
L	BS00	4 PRIMAX CLOCK SYSTEM.	UUU25	2005			20	8	12	\$0.00							
L	BS00	5 SECURITY SURVEILLANCE SYSTEM.	UUU14	2005			20	8	12	\$0.00							
L	BS00	5 SECURITY ACCESS SYSTEM.	UUU14	2005			20	8	12	\$0.00							
L	BS00	7 NETWORK CABLING.			1	LS	20	0	20	\$200.00	\$ 200	\$ 223	\$ 227	\$ 231	\$ 235	\$	239
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$-	\$-	\$-	\$-	\$	-
L	SE00	LIBRARY FURNITURE REPLACEMENT - ALLOWANCE.	430	VARIOUS						\$0.00							
		ACCESSIBILITY IMPROVEMENTS															
L	- AI00	L NONE															
							AN	NUAL FL	JNDING	G REQUIREME	NTS (ROUNDED):	\$ 474,422	\$ 482,962	\$ 491,655	\$ 500,505	\$ !	509,514

		SCHEDULED MAINTENANCE PROGRA	M - YEAR ZERO:	2013			INFLATI	ON RATI	E (%):	1.8%				LEG	END			
			BUILDING AGE	BUILDING									AVG: A	VERAGE				
		BUILDING SECTION (BUILDING TYPE)	(YRS)	AREA (GSF)									CF: CUB					
		CHILDREN'S CENTER - TOTAL (CLASSROOM)	1995	9,597										BIC YARD	S			
													EA: EAC		USEFUL LIFE			
							1	TEM NO	CODE	s					JARE FEET			
				YEAR: 2023											(SITE/BLDG)	•		
	1	MAINTENANCE BACKLOG VALUE	FOR BUILDING:	\$ 506,974		AI: ACC	ESSIBILI	TY IMPRO	OVEMEN	т			PV: PRE	SENT VA	LUE			
		REPLACEMENT VALUE FOR		\$ 1,726,900		BE: BUI	ILDING E	XTERIOR					RUL: ES	TIMATED	USEFUL LIFE			
		FACILITY CONDITI	ON INDEX (FCI):	29%		BI: BUI	LDING IN	TERIOR					SF: SQU	JARE FEE	т	1		
	•					BS: BU	ILDING S	YSTEM					SY: SQL	JARE YAF	RDS	]		
				BUILDING		ES: ELE	CTRICAL	SYSTEM					YRS: YE	ARS				
		A Schoolcraft	FCI	CONDITION				AL SYSTE	Μ									
		Schoolcraft College	FCI < 5%	GOOD			IMBING						REMAIN		FUL LIFE (RUL) B			
		Conege	5%< FCI< 10%	FAIR			E GROUI								RUL = 1 YEAR (			
			10% < FCI	POOR		SE: SPE	CIALTYE	QUIPME	NT						RUL = 5 YEARS			
															RUL = 10 YEAR	J OR GREATER		
				YEAR ITEM			AVG	TIME		ITEM			DE	FERRED	MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	20	020	2021	2022		2023
												<b>A T A A</b>			<b>A B B B B B B B B B B</b>			
CC-		BUILDING ENVELOPE (includes items exterior to building)	NANANAOE	2012			30	1	20	\$0.00		\$ 7,035	\$	7,162	\$ 7,291	\$ 7,422	\$	7,556
LL-	BEOOT	EXTERIOR FENCING REPLACEMENT.	MMM05	2012			30	1	29	ŞU.UU							-	
CC-	BE002	REDESIGN / REPAIR PAVEMENT IN CHILDREN'S CENTER DROP- OFF AREA TO ELIMINATE TRIP HAZARD POTENTIAL.	SSS09	2014	100	LF	15	0	15	\$141.75	\$-	\$-	\$	-	\$-	\$ -	\$	-
CC-	BE003	BRICK TUCKPOINTING.	MMM16	1995	10	SF	10	18	-8	\$10.80	\$ 108	\$ 120	\$	122	\$ 125	\$ 127	\$	129
CC-	BE004	EXTERIOR SIDING AND COPING MAINTENANCE.	MMM16	1995			15	18	-3	\$0.00								
CC-	BE005	SEALANT MAINTENANCE AROUND EXTERIOR WINDOWS.	MMM16	1995	600	LF	20	18	2	\$4.73	\$ 2,838	\$ 3,159	\$	3,215	\$ 3,273	\$ 3,332	\$	3,392
CC-	BE006	SPALLING BRICK REPAIRS NEAR MAIN ENTRANCE.	MMM16	1995	3	SF	10	18	-8	\$945.00	\$ 2,835	\$ 3,155	\$	3,212	\$ 3,270	\$ 3,329	\$	3,389
CC-	BE007	ROOFING REPLACEMENT.	MMM16	1995			25	18	7	\$0.00								
CC-	BE008	SEAL AROUND CONCRETE FLATWORK AT NORTHEAST EXTERIOR CORNER OF CHILDREN'S CENTER TO PREVENT WATER INTRUSION.	SSS18	1995	8	LF	15	18	-3	\$67.50	\$ 540	\$ 601	\$	612	\$ 623	\$ 634	\$	645
CC-	BE009	MAIN ENTRY SLIDER DOOR REPLACEMENT.	W06	1995			15	18	-3	\$0.00								
CC-	BE010	MAIN CORRIDOR SKYLIGHT MAINTENANCE.	W06	1995	100	SF	25	18	7	\$0.00	\$-	\$-	\$	-	\$-	\$-	\$	-
CC-	BE011	EXTERIOR DOOR REPLACEMENTS.	640 AND W06	1995			25	18	7	\$0.00								
		BUILDING INTERIOR		Г <b>Г</b>		1	1 1					\$ 155,933	\$ 15	58,740	\$ 161,597	\$ 164,506	\$	167,467
CC-	BI001	CC105 - STORAGE ROOM VCT FLOOR FINISH REPLACEMENT. REPLACEMENT OF CORRIDOR VCT FLOORING WITH HIGHER	645	1995	700	SF	35	18	17	\$7.09	\$ 4,963	\$ 5,524	\$	5,623	\$ 5,724	\$ 5,827	\$	5,932
CC-	BI002	GRADE SOLID SURFACE FLOOR FINISH.	W06	1995	1,400	SF	35	18	17	\$4.73	\$ 6,622	\$ 7,370	\$	7,503	\$ 7,638	\$ 7,775	\$	7,915
CC-	BI003	STAFF TOILET ROOM FLOORING REPLACEMENT.	X03	1995	160	SF	20	18	2	\$28.01	\$ 4,482	\$ 4,988	\$	5,078	\$ 5,169	\$ 5,262	\$	5,357
CC-	BI004	STAFF TOILET ROOM COUNTER AND SINK REPLACEMENT.	X03	2014	8	LF	15	0	15	\$214.65	\$ -	\$ -	\$	-	\$ -	\$ -	\$	-
CC-	B1005	PAINTING ALLOWANCE - ENTIRE BUILDING ON 5 YR CYCLE.	310, 640, 645, W06 AND X03	VARIOUS						\$0.00								
CC-	BI006	MAIN CORRIDOR COAT/BOOT STORAGE UPGRADES.	W06	1995	80	LF	25	18	7	\$432.00	\$ 34,560	\$ 38,465		39,157	\$ 39,862	\$ 40,579	_	41,310
CC-	BI007	ALLOWANCE FOR CLASSROOM MILLWORK REPLACEMENTS.	640 AND 645	VARIOUS	30	LF	25			\$432.00	\$ 12,960	\$ 14,424	\$	14,684	\$ 14,948	\$ 15,217	\$	15,491
CC-	B1008	MAIN CORRIDOR WOOD DOOR REPLACEMENTS/UPGRADE TO LAMINATE COVERED DOOR FOR CLEANING EASE AND IMPACT PROTECTION.	310, 640 AND 645	1995	18	EA	50	18	32	\$1,431.00	\$ 25,758	\$ 28,668	\$	29,184	\$ 29,709	\$ 30,244	\$	30,789
CC-	BI009	MAINTENANCE/REPLACEMENT OF FRONT ENTRANCE SLIDER DOORS.	W06	1995	2	EA	15	18	-3	\$11,070.00	\$ 22,140	\$ 24,641	\$	25,085	\$ 25,536	\$ 25,996	\$	26,464
CC-	BI010	MAIN CORRIDOR WALK-OFF MATTING SYSTEM REPLACEMENT.	W06	2008	240	SF	5	5	0	\$62.10	\$ 14,904	\$ 16,588		16,886	\$ 17,190	\$ 17,500		17,815
CC-	BI011	ROOM CC100 CARPET REPLACEMENT.	640	2019	0	SF	12	0	12	\$7.09	\$ -	\$-	\$	-	\$-	\$-	\$	-

#### SCHOOLCRAFT COLLEGE; CHILDREN'S CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM				DEFERRED	MAIN	TENANCE	PLAN	YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7		8		9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS		(YRS)		COST	FIRST COST	2019		2020		021	2	2022		2023
			0001		Quintin		(110)	(110)	(110)											
CC-	BI012	ROOM CC110 CARPET REPLACEMENT.	640	2019	0	SF	12	0	12	\$7.09	\$-	\$	- \$	-	\$	-	\$	-	\$	-
CC-	BI013	GYPSUM BOARD WALL DAMAGE REPAIR	645	1995	6	SF	15	18	-3	\$13.50	\$81	\$ 9	90 \$	92	\$	93	\$	95	\$	97
CC-	BI014	MILLWORK CABINET REPLACEMENT	645	2008	20	LF	25	5	20	\$681.75	\$ 13,635	\$ 15,1	75 \$	15,449	\$	15,727	\$	16,010	\$	16,298
		PLUMBING SYSTEMS (may be packaged with BI item scope)	-									\$-	5		\$	-	\$	-	\$	-
CC-	PS001	CENTRALIZED DOMESTIC HOT WATER HEATER REPLACEMENT.	UUU24	2019	0	EA	10	0	10	\$5,562.00	\$-	\$	- \$	-	\$	-	\$	-	\$	-
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 134,67	0 \$	137,094	\$ 1	39,562	\$ 1	142,074	\$	144,632
CC-	MS001	HVAC DUCT CLEANING.	UUU25	1995	9,500	SF	10	18	-8	\$1.15	\$ 10,925	\$ 12,1	59 \$	12,378	\$	12,601	\$	12,828	\$	13,059
CC-	MS002	HVAC SYSTEMS REPLACEMENT. INCLUDES A/C CONDENSING UNITS AND HUMIDIFIERS. REPLACED HVAC SYSTEM FURNACE / CONDENSING UNIT #2 IN 2019. REPLACED (1) FURNACE IN 2021. TWO (2) OTHER REPLACEMENTS REMAINING.	UUU25	1995	2	EA	15	18	-3	\$16,200.00	\$ 32,400	\$ 36,00	50 \$	36,710	\$	37,370	Ş	38,043	\$	38,728
CC-	MS003	TEMPERATURE CONTROLS UPGRADE FROM STAND-ALONE ELECTRICAL TO NETWORKED DDC.	UUU06	1995	9,000	SF	20	18	2	\$6.08	\$ 54,720	\$ 60,90	)2 \$	61,998	\$	63,114	\$	64,250	\$	65,407
CC-	MS004	ADD VENTILATION AND HEATING EQUIPMENT FOR EAST STORAGE ROOM USED FOR STORING PLAYGROUND EQUIPMENT.	645	NONE	1	LS	15			\$6,750.00	\$ 6,750	\$ 7,5	13 \$	7,648	\$	7,785	\$	7,926	\$	8,068
CC-	MS005	VENT GAS PRESSURE REGULATOR TO THE OUTDOORS.	645	NONE	1	LS	30			\$5,000.00	\$ 5,000	\$ 5,50	55 \$	5,665	\$	5,767	\$	5,871	\$	5,977
CC-	MS006	STAFF KITCHEN EXHAUST FAN.	645	NONE	1	LS	25			\$11,205.00	\$ 11,205	\$ 12,4	71 \$	12,695	\$	12,924	\$	13,157	\$	13,393
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$ 138,75	5 \$	141,253	\$ 1	43,795	\$ 1	146,383	\$	149,018
CC-	ES001	MAIN SWITCHBOARD.	UUU05	1995	1	EA	20	18	2	\$81,000.00	\$ 81,000	\$ 90,1	51 \$	91,774	\$	93,426	\$	95,108	\$	96,819
CC-	ES002	ELECTRICAL DISTRIBUTION EQUIPMENT	UUU05	1995	2	EA	20	18	2	\$10,000.00	\$ 20,000	\$ 22,20	50 \$	22,660	\$	23,068	\$	23,483	\$	23,906
CC-	ES003	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	2006			20	7	13	\$0.00										
CC-	ES004	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	1995	8	EA	20	18	2	\$708.75	\$ 5,670	\$ 6,3	11 \$	6,424	\$	6,540	\$	6,658	\$	6,777
CC-	ES005	EXIT LIGHTING.	W06	2006			20	7	13	\$0.00										
CC-	ES006	CORRIDOR LIGHTING.	W06	2006			20	7	13	\$0.00										
CC-	ES007	CLASSROOM LIGHTING.	640	2006			20	7	13	\$0.00										
CC-	ES008	OFFICE LIGHTING.	310	2006			20	7	13	\$0.00										
CC-	ES009	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	2006			20	7	13	\$0.00										
CC-	ES010	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS).	640	2006			20	7	13	\$0.00										
CC-	ES011	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS).	W06	NONE	1	LS	20			\$18,000.00	\$ 18,000	\$ 20,03	34 \$	20,394	\$	20,761	\$	21,135	\$	21,515
CC-	ES012	EMERGENCY LIGHTING	310, 640, 645,	2014	1	LS	20	0	20	\$27,000.00	6	Ś	ć	,	ć	,	\$		Ś	
CC-	E3012		W06 AND X03	2014	1	LS	20	0	20	\$27,000.00	, -	7	- >	-	Ş	-	Ş	-		-
66	86004	BUILDING SYSTEMS (fire, security, IT/media infrastructure)				1	20			<u> </u>		\$ 35,66	3 \$	36,305	Ş	36,958	Ş	37,624	\$	38,301
CC-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00					<u> </u>					
CC-		FIRE ALARM DEVICES.	UUU07	2006			20	7	13	\$0.00		+								
CC-		BOILER EPO SYSTEM.		NONE	1	LS	20			\$5,000.00	\$ 5,000	\$ 5,50		-,	Ş	5,767	\$	- / -	\$	5,977
CC-	BS004	CLOCK SYSTEM.	UUU25	1995	1	LS	20	18	2	\$8,421.37	\$ 8,421	\$ 9,3		- / -	Ş	9,713	\$	9,888	Ş	10,066
CC-	BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$8,421.37	\$ 8,421	\$ 9,3		9,542	Ş	9,713	ş	9,888	Ş	10,066
CC-	BS006	SECURITY ACCESS SYSTEM.	UUU14	2004	1	LS	20	9	11	\$10,000.00	\$ 10,000	\$ 11,13		11,330	Ş	11,534	Ş	11,742	\$	11,953
CC-	BS007	COMMUNICATIONS SYSTEMS.			1	LS	10	2013		\$100.00	\$ 100	\$ 1		113	Ş	115	\$	117	\$	120
CC-	BS008	NETWORK CABLING.	<u> </u>		2	EA	10	2013		\$50.00	\$ 100	\$ 1			Ş	115	\$	117	\$	120
cc-	SE001	SPECIALTY EQUIPMENT (food service, theatre, labs, shops) OUTDOOR PLAY SURFACE/STRUCTURE REPAIRS/REPLACEMENTS. REMOVED OUTDOOR PLAY STRUCTURE 2022.	SSS18	VARIOUS	3,500	SF	15			\$13.23	\$ 46,305	\$ 51,53 \$ 51,53		52,464 52,464	\$	53,408	\$ \$	<b>54,370</b> 54,370	\$ \$	-
		ACCESSIBILITY IMPROVEMENTS																		
CC-		NONE																		
							A	NUAL F	UNDIN	NG REQUIREMEN	ITS (ROUNDED):	\$ 523,59	3 \$	533,018	\$ 5	42,612	\$ 5	552,379	\$	506,974

#### SCHOOLCRAFT COLLEGE; FIREARMS TRAINING CENTER - SCHEDULED MAINTENANCE PROGRAM

	SCHEDULED MAINTENANCE P	ROGRAM - YEAR ZERO:	2013			INFLA	TION RA	TE (%):	1.8%					LEG	END					
			2015	l				- (/-	1.070											
			BUILDING											AVERAGE						
	BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	AREA (GSF)											UBIC FEET UBIC YARD	c					
	FIREARMS TRAINING CENTER (CLASSROOM)		26,512										EA: EA		5					
														ESTIMATED	D USEFU	IL LIFE				
							ITEM NO	. CODES						GROSS SQL						
		•	YEAR: 2023										LOC: I	LOCATION	(SITE/B	LDG)				
	MAINTENANCE BACKLOG	VALUE FOR BUILDING:	\$ 8,068		AI: ACC	ESSIBIL	TY IMPRO	VEMENT	7				PV: P	RESENT VA	LUE					
		UE FOR THE BUILDING:	\$ 10,330,600		BE: BUI	LDING I	EXTERIOR						RUL: I	ESTIMATED	D USEFL	JL LIFE				
	FACILITY C	ONDITION INDEX (FCI):	0%		BI: BUII	DING I	NTERIOR						SF: SC	QUARE FEE	т					
					BS: BUI	LDING S	SYSTEM						SY: SO	QUARE YAF	RDS					
			BUILDING		ES: ELE	CTRICAL	SYSTEM						YRS: 1	YEARS						
	A Schoolcraft	FCI	CONDITION		MS: ME	CHANI	CAL SYSTE	M												
	Schoolcraft College	FCI < 5%	GOOD		PS: PLU	MBING	SYSTEM						REMA	AINING USE	EFUL LIF	E (RUL) BA	ROMET	<u>R</u>		
	VP College	5%< FCI< 10%	FAIR		SG: SITE	GROU	NDS								RUL =	1 YEAR C	R LESS			
		10% < FCI	POOR		SE: SPE	CIALTY	EQUIPME	NT								5 YEARS				
				1											RUL =	10 YEAR	or gr	EATER		
									1754				-		MANE	TENIANCE	DIANU	EAD	_	
			YEAR ITEM				TIME		ITEM				C	DEFERRED	WAIN					
ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM		6		7		8		9		10
LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST		2019		2020	2	2021	20	)22	2	023
	BUILDING ENVELOPE (includes items exterior to building)										\$	-	\$	-	\$	-	\$	-	\$	-
FTC- BE001	ROOF REPLACEMENT.	MMM16	2012			25	1	24	\$0.00											
FTC- BE002	OVERHEAD DOOR FRAME MAINTENANCE. COMPLETE	730	2018	2	EA	10	0	10	\$0.00	\$-	\$	-	\$	-	\$	-	\$	-	\$	-
	BUILDING INTERIOR										\$	7,513	\$	7,648	\$	7,785	\$	7,926	\$	8,068
FTC- BI001	FIRING RANGE ARCHITECTURAL MAINTENANCE.	550	2012	1	LS	5	1	4	\$6,750.00	\$ 6,750	\$	7,513	\$	7,648	\$	7,785	\$	7,926	\$	8,068
FTC- BIOO2	WALL FINISH UPDATES - ALLOWANCE.	110, 310, 550, 555, W06 AND X03	2012			15	1	14	\$0.00											
FTC- BIOO3	FLOOR FINISH UPDATES - ALLOWANCE.	110, 310, 550, 555, W06 AND X03	2012			15	1	14	\$0.00											
	PLUMBING SYSTEMS (may be packaged with BI item scope)										\$	-	\$	-	\$	-	\$	-	\$	-
FTC- PS001	DOMESTIC HOT WATER RETURN CIRCULATING PUMP MAINTENANCE/REPLACEMENT.	UUU24	2012			20	1	19	\$0.00											
FTC- PS002	PLUMBING FIXTURE REPLACEMENTS.	X03	2012			20	1	19	\$0.00											
FTC- PS003	DOMESTIC HOT WATER HEATER REPLACEMENT.	UUU24	2012			10	1	9	\$0.00											
	MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$	-	\$	-	\$	-	\$	-	\$	-
FTC- MS001	AIR HANDLING UNIT REPLACEMENTS (YORK FAN WALL).	UUU25	2012			25	1	24	\$0.00											
FTC- MS002	AIR HANDLING UNIT REPLACEMENTS (YORK DIRECT FIRED).	UUU25	2012			25	1	24	\$0.00											
FTC- MS003	VAV/CAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	2012			25	1	24	\$0.00		1									
FTC- MS004	SPLIT-SYSTEM DX A/C UNIT REPLACEMENTS.	UUU25	2012			15	1	14	\$0.00											
FTC- MS005	REFRIGERANT CONDENSING UNIT REPLACEMENTS.	UUU25	2012			15	1	14	\$0.00											
FTC- MS006	ELECTRIC DUCT HEATER MAINTENANCE/REPLACEMENTS.	UUU25	2012			10	1	9	\$0.00											
FTC- MS007	UNIT HEATER REPLACEMENTS.	UUU25	2012			20	1	19	\$0.00											
FTC- MS008	CABINET UNIT HEATER REPLACEMENT.	UUU25	2012			20	1	19	\$0.00				L							
FTC- MS009	EXHAUST AIR FAN MAINTENANCE/REPLACEMENTS.	UUU25	2012			20	1	19	\$0.00											
FTC- MS010	BOILER REPLACEMENT.	UUU22	2012			20	1	19	\$0.00		1									
FTC- MS011	DUCT CLEANING.	UUU25	1989			10	24	-14	\$0.00											
	ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$		\$	-	\$	-	\$	-	Ş	-
FTC- ES001	BUILDING SERVICE TRANSFORMER.	UUU04	2012			20	1	19	\$0.00				-							
FTC- ES002	MAIN SWITCHBOARD.	UUU05	2012			20	1	19	\$0.00											
FTC- ES003	STANDBY GENERATOR.	UUU25	2012			20	1	19	\$0.00		<u> </u>		<u> </u>					$\longrightarrow$		
FTC- ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2012			20	1	19	\$0.00											

#### SCHOOLCRAFT COLLEGE; FIREARMS TRAINING CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM				DEFERF	RED M/		E PLAN Y	EAR	
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7		8	ç	Э	10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2018		2019		2020	20	21	2022
FTC-	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2012			20	1	19	\$0.00									
FTC-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	2012			20	1	19	\$0.00									
FTC-	ES007	VARIABLE FREQUENCY DRIVE (VFD).	UUU25	2012			15	1	14	\$0.00									
FTC-	ES008	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	2012			20	1	19	\$0.00									
FTC-	ES009	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2012			20	1	19	\$0.00									
FTC-	ES010	EXIT LIGHTING.	W06	2012			20	1	19	\$0.00									
FTC-	ES011	CORRIDOR LIGHTING.	W06	2012			20	1	19	\$0.00									
FTC-	ES012	CLASSROOM LIGHTING	110	2012			20	1	19	\$0.00									
FTC-	ES013	OFFICE LIGHTING.	310	2012			20	1	19	\$0.00									
FTC-	ES014	SHOOTING RANGE LIGHTING.	550	2012			20	1	19	\$0.00									
FTC-	ES015	PARKING LOT LIGHTING.	UUU10 AND UUU11	2012			30	1	29	\$0.00									
FTC-	ES016	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	2012			20	1	19	\$0.00									
FTC-	ES017	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS).	110	2012			20	1	19	\$0.00									
FTC-	ES018	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS)	W05 AND W06	2012			20	1	19	\$0.00									
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)										\$	-	\$-	\$	-	\$	-	\$-
FTC-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2012			20	1	19	\$0.00									
FTC-	BS002	FIRE ALARM DEVICES.	UUU07	2012			20	1	19	\$0.00									
FTC-	BS003	BOILER EPO SYSTEM.	Y04	2012			20	1	19	\$0.00									
FTC-	BS004	PRIMAX CLOCK SYSTEM.	UUU25	2012			20	1	19	\$0.00									
FTC-	BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2012			20	1	19	\$0.00									
FTC-	BS006	SECURITY ACCESS SYSTEM. COMPLETED 2021.	UUU14	2021			20	0	20	\$0.00									
FTC-	BS007	IT SYSTEMS.	UUU02	2012			20	-		\$0.00									
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$	-	\$-	\$	-	\$	-	\$-
FTC-	SE001	FIRING RANGE SYSTEM MAINTENANCE/REPLACEMENT.	5507 2018 - PEPP BALLISTIC PANELS LAYOUT MODIFIED WITH SELECT PANEL REPLACEMENTS. 2019 - FIRING RANGE BULLET TRAPS REFUILT	2012			20	1	19	\$0.00	-								
		ACCESSIBILITY IMPROVEMENTS																	
FTC-		NONE																	
							А		UNDING		NTS (ROUNDED):	\$7,	513	\$ 7,6	48 \$	7,785	\$	7,926	\$ 8,068

					_											_		
		SCHEDULED MAINTENANCI	E PROGRAM - YEAR ZERO:	2013		l	NFLAT	ON RATI	E (%):	1.8%	]			L	GEND			ł
	ĺ			BUILDING	1									AVG: AVERAGE		_		ł
		BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	AREA (GSF)										CF: CUBIC FEET		-		ł
		FORUM - TOTAL (CLASSROOM)		54,891										CY: CUBIC YARD	S	-		ł
		FORUM - ORIGINAL	1963	53,805										EA: EACH		1		ŀ
		FORUM (PUMP HOUSE)	2004	1,086										EUL: ESTIMATED	USEFUL LIFE			ŀ
		FORUM (GREEN HOUSE - NOT INCLUDED IN FORUM GSF)	2006	563				TEM NO	. CODE	S				GSF: GROSS SQU				
		FORUM (KILN SHEDS - NOT INCLUDED IN FORUM GSF)	2006	855										LOC: LOCATION				
			OG VALUE FOR BUILDING:	\$ 1,610,747	- YEAR: 2023			TY IMPRC	OVEME	NT				PV: PRESENT VA		_		
		REPLACEMENT V	ALUE FOR THE BUILDING:	\$ 22,817,900		BE: BUI	LDING E	XTERIOR						RUL: ESTIMATEI	USEFUL LIFE			
		FACILIT	Y CONDITION INDEX (FCI):	7%		BI: BUIL	DING II	ITERIOR						SF: SQUARE FEE	т			ł
	-					BS: BUI	LDING S	YSTEM						SY: SQUARE YAR	DS			
				BUILDING		ES: ELEC	CTRICAL	SYSTEM						YRS: YEARS				
		A Schoolcraft	FCI	CONDITION		MS: ME	CHANIC	AL SYSTE	м							_		
		Schoolcraft College	FCI < 5%	GOOD		PS: PLU	MBING	SYSTEM						REMAINING US	FUL LIFE (RUL) BAR	OMETER		
		VP College	5%< FCI< 10%	FAIR		SG: SITE	GROU	NDS							RUL = 1 YEAR (	OR LESS		
			10% < FCI	POOR		SE: SPE	CIALTY E	QUIPME	NT						RUL = 5 YEARS			
			<u> </u>								a				RUL = 10 YEAR	S OR GREATER		ł
														_				
				YEAR ITEM				TIME		ITEM					ED MAINTENANCI			
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM		6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST		2019	2020	2021	2022		2023
		BUILDING ENVELOPE (includes items exterior to building)										Ś	147,747	\$ 150.40	5 \$ 153.113	\$ 155.870		158.675
1		EXTERIOR SEALANT MAINTENANCE.	NANAN 41 C	2004	1,000	LF	20	9	11	\$4.73	\$ 4,7	Ŧ	5,264	\$ 5,35				
F-			MMM16		-	SF	10	50	-40				1,052				_	
г- г	BE002 BE003	EXTERIOR MASONRY MAINTENANCE.	MMM16	1963	500 115	SF	50	0	50	\$1.89 \$104.96		• <b>5</b>	1,052	\$ 1,07 \$	1\$1,090 -\$	) \$ 1,110 - \$	- \$	1,130
г-	BE005	LIMESTONE CAPS AND SILLS REPAIRS / REPLACEMENTS.	MMM16	2015	115	эг	50	U	50	\$104.96	>	- >	-	Ş	- >	. ş	· >	-
F-	BE004	PAINTING SLOPED SOFFITS AND STRUCTURAL WOOD BEAMS.	MMM16	VARIOUS			15			\$0.00								ł
F-	BE005	ENTRANCE SOFFITS	MMM16	2005	1,200	SF	15	8	7	\$3.38	\$ 4,0	56 \$	4,514	\$ 4,59	5 \$ 4,678	3 \$ 4,762	2 \$	4,848
F-	BE006	EAST AND WEST ENTRANCE EIFS REPAIRS.	MMM16	2005			20	8	12	\$0.00								
F-	BE007	NORTH AND SOUTH EXTERIOR DOOR REPLACEMENTS.	W06	2005	8	EA	25	8	17	\$11,340.00	\$ 90,7	20 \$	100,969	\$ 102,78	7 \$ 104,637	\$ 106,520	) \$	108,438
F-	BE008	EXTERIOR WINDOW MAINTENANCE/REPLACEMENT.	210 AND W06	2005			30	8	22	\$0.00								
		EXTERIOR DOOR MAINTENANCE/REPLACEMENT (EXCLUDES	215 AND W06 /														1	
F-		DOORS MENTIONED ELSEWHERE IN THIS SECTION THAT ARE	2018 - KILN #4 DOOR	2001			25	12	13	\$0.00								
		DETERIORATING FASTER THAN DOORS IN GENERAL).	REPLACED.			1												
F-	BE010	SINGLE-PLY MEMBRANE REROOFING - GENERAL.	MMM16	2001			25	12	13	\$0.00					1	1	+	
F-		SINGLE-PLY MEMBRANE REROOFING - PUMP HOUSE.	MMM16	2004			25	9	16	\$0.00					1	1	+	
F-	BE012	STANDING SEAM METAL ROOFING MAINTENANCE/REPLACEMENT.	MMM16	2001			50	12	38	\$0.00							1	
F-	BE013	KILN SHED WEST WALL EXTERIOR GUTTER AND BRICK CLEANING	580	2006	600	SF	15	7	8	\$1.89	\$ 1,1	34 \$	1,262	\$ 1,28	5 \$ 1,308	\$ 1,332	<u>2</u> \$	1,355
F-	BE014	OF MOLD ON FACE BRICK. GREENHOUSE MAINTENANCE WITH BRICK/SILL BASE CLEANING	580	2006			15	7	8	\$0.00							+	
	BE014	AND MAINTENANCE. SOUTH COURT DOUBLE-DOOR REPLACEMENT INCLUDING DOOR				EA	25	50	-25	\$2,808.00	\$ 2,8	08 Ś	3,125	ć 340	1 \$ 3.239	\$ 3,297	7 6	2 250
F-		FRAME REPLACEMENT.	W06	1963	1				-25			Ŧ			, .	. ,		
F-	BE016	ENTRANCE SOFFITS		1963	1,200	SF	15	50	-35	\$23.63	\$ 28,3	<mark>56</mark> \$	31,560	\$ 32,12			_	33,894
		BUILDING INTERIOR										\$	467,946	\$ 476,36				502,559
F-	BI001	REPLACE FLOOR TILE ON CORRIDOR RAMPS.	W06	1963	1,450	SF	35	50	-15	\$31.05	\$ 45,0	23 \$	50,109	\$ 51,01	1 \$ 51,929	\$ 52,864	↓ \$	53,816
F-	BI002	REPLACE BENCHES AND BOOTHS IN CORRIDORS ADDING LAPTOP POWER.	W05 AND W06	VARIOUS	60	LF	20			\$344.25	\$ 20,6	5 <b>5</b> \$	22,989	\$ 23,40	2 \$ 23,824	\$ 24,252	\$	24,689
F-	BI003	VCT CORRIDOR FLOOR TILE REPLACEMENT.	W06	VARIOUS	9,670	SF	35			\$4.73	\$ 45,7	<mark>39</mark> \$	50,907	\$ 51,82	3 \$ 52,756	53,705	\$	54,672
F-	BI004	INTERIOR WOOD DOOR REPLACEMENTS. DOOR HARDWARE - COMPLETED 2019.	110, 115, 210, 215, 310, 315, X01 AND X03	VARIOUS	35	EA	50			\$904.50	\$ 31,6	58 \$	35,234	\$ 35,86	8 \$ 36,514	\$ 37,171	1\$	37,840
F-	BI005			2002	12,920	SF	35	11	24	\$5.67	\$ 73,2	56 \$	81,533	\$ 83,00	0 \$ 84,494	\$ 86,015	; \$	87,564
F-		COMPLETED 2019. CORRIDOR CEILING AND LIGHTING UPGRADES.	315, X01 AND X03 W05 AND W06					11	24									

#### SCHOOLCRAFT COLLEGE; FORUM - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFERRE	D MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	<b>ITEM TOTAL</b>	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	СОЅТ	FIRST COST	2019	2020	2021	2022		2023
F-	BI006	FLOOR FINISH REPLACEMENTS.	110, 115, 210, 215, 310, 315 AND <del>610</del>	VARIOUS	6,134	SF	15			\$7.09	\$ 43,490	\$ 48,403	\$ 49,275	\$ 50,162	\$ 51,065	\$	51,984
F-	BI007	INTERIOR WALL FINISH UPDATES - ALLOWANCE.	110, 115, 210, 215, 310,	VARIOUS						\$0.00							
F-	BI008	CORRIDOR LOCKER MAINTENANCE/REPLACEMENTS.	315, X01 AND X03 W06	2007			25	6	19	\$0.00						+	
F-	BI009	FLOOR FINISH UPDATES - ALLOWANCE.	110, 115, 210, 215, 310,	VARIOUS						\$0.00							
F-	BI010	ASBESTOS FLOORING ABATEMENT / FLOOR FINISH REPLACEMENT IN ROOM F21.	315, X01 AND X03 Y04	1963	15	SF	35	50	-15	\$3.71	\$ 56	\$ 62	\$ 63	\$ 64	\$ 65	\$	67
F-	BI011	ASBESTOS FLOORING ABATEMENT / FLOOR FINISH REPLACEMENT IN ROOM F81.	Y04	1963	40	SF	35	50	-15	\$3.71	\$ 148	\$ 165	\$ 168	\$ 171	\$ 174	\$	177
F-	BI012	REPLACE ASBESTOS CONTAINING DOOR FROM F81 TO RETURN AIR TUNNEL.	Y04	1963	1	EA	50	50	0	\$1,350.00	\$ 1,350	\$ 1,503	\$ 1,530	\$ 1,557	\$ 1,585	\$	1,614
F-	BI013	TOILET ROOM UPDATES.	X03	2002	700	SF	25	11	14	\$54.00	\$ 37,800	\$ 42,071	\$ 42,828	\$ 43,599	\$ 44,384	Ś	45,182
F-	BI014	EAST AND WEST LOBBY FLOORING REPLACEMENT.	W05 AND W06	2012			35	1	34	\$0.00		,.,.	,			Ť	
F-	BI015	ENTRY MAT REPLACEMENT	W06	2008	1,880	SF	5	5	0	\$62.10	\$ 116,748	\$ 129,938	\$ 132,277	\$ 134,658	\$ 137,082	Ś	139,549
F-	BI016	LAB SINK AND COUNTER REPLACEMENT.	210	2002	5	LF	25	11	14	\$418.50	\$ 2,093	\$ 2,329	\$ 2,371		\$ 2,457		2,501
F-	BI017	CORRIDOR DOOR HARDWARE UPGRADES.	W06	VARIOUS	6	EA	50			\$405.00	\$ 2.430	\$ 2,705	\$ 2,753		\$ 2,853	_	2,905
	51017	PLUMBING SYSTEMS (may be packaged with BI item scope)	1100	Walloos	0	EA	50			\$405.00	÷ 2,450	\$ 101.570	\$ 103.399	. ,	\$ 107.155		109.083
E-	PS001	SANITARY DRAINAGE PIPING MAINTENANCE.	UUU13	1963	50,000	SF	50	50	0	\$0.00	Ś.,	\$ .	\$ -	\$ -	¢ 107,155	Ś	100,000
F-	PS002	BIOLOGY/CHEMISTRY LABORATORY ACID WASTE SYSTEM INSPECTION/MAINTENANCE.	00013	VARIOUS	5,000	SF	10			\$6.75	\$ 33,750	\$ 37,563	\$ 38,239	+	\$ 39,628	Ŧ	40,341
F-	PS003	INSPECTION/MAINTENANCE. GEOLOGY LABORATORY ACID WASTE SYSTEM INSPECTION/MAINTENANCE.	UUU25	2002	5,000	SF	10	11	-1	\$6.75	\$ 33,750	\$ 37,563	\$ 38,239	\$ 38,927	\$ 39,628	\$	40,341
F-	PS004	TOILET FIXTURES	X03	VARIOUS	44	EA	40			\$540.00	\$ 23,760	\$ 26,444	\$ 26,920	\$ 27,405	\$ 27,898	\$	28,400
		MECHANICAL SYSTEMS (may be packaged with BI item scope)		•								\$ 327,063	\$ 332,950	\$ 338,943	\$ 345,044	\$	351,255
F-	MS001	REPLACE ELECTRICAL HALL HEATERS AND PNEU CONTROLS WITH DDC.	UUU06 AND UUU25	1963	10	EA	20	50	-30	\$0.00	\$-	\$ -	\$ -	\$ -	\$ -	\$	-
F-	MS002	REPLACE REMAINING ORIG ELECTRIC DUCT HEATERS WITH PNEU TO DDC CONTROLS UPGRADE.	UUU06 AND UUU25	1963	10	EA	20	50	-30	\$0.00	\$-	\$ -	\$ -	\$-	\$ -	\$	-
F-	MS003	ADDRESS AIR HANDLING UNIT 3 CONDENSATE DRAINAGE ISSUES.	UUU25	2004	1	LS	30	9	21	\$13,200.00	\$ 13,200	\$ 14,691	\$ 14,956	\$ 15,225	\$ 15,499	\$	15,778
F-	MS004	CHEMISTRY LAB VACUUM PUMP MAINTENANCE/REPLACEMENT.	210	2003	1	LS	10	10	0	\$0.00	\$ -	\$-	\$-	\$-	\$ -	\$	-
F-	MS005	CONVERSION OF REMAINING PNEUMATIC TEMPERATURE CONTROLS TO DDC.	UUU06	2004	15,000	SF	10	9	1	\$6.08	\$ 91,200	\$ 101,504	\$ 103,331	\$ 105,191	\$ 107,084	\$	109,012
F-	MS006	ELECTRIC DUCT HEATER REPLACEMENTS IN FACULTY OFFICE BAYS.	310	2004	2,000	SF	20	9	11	\$0.00	\$ -	\$-	\$-	\$-	\$-	\$	-
F-	MS007	EAST MECHANICAL ROOM EXPOSED DUCT INSULATION REPAIRS.	UUU25	1963	100	SF	25	50	-25	\$40.50	\$ 4,050	\$ 4,508	\$ 4,589	\$ 4,671	\$ 4,755	\$	4,841
F-	MS008	HVAC SYSTEMS CLEANING.	UUU25	2007	50,000	SF	10	6	4	\$1.15	\$ 57,500	\$ 63,996	\$ 65,148	\$ 66,321	\$ 67,515	\$	68,730
F-	MS009	KILN SHED EXHAUST FAN REPLACEMENTS.	210	2005			20	8	12	\$0.00							
F-	MS010	WEST MECHANICAL ROOM EXPOSED DUCT INSULATION REPAIRS.	UUU25	2006	100	SF	25	7	18	\$40.50	\$ 4,050	\$ 4,508	\$ 4,589	\$ 4,671	\$ 4,755	\$	4,841
F-	MS011	LABORATORY/TEMPERATURE CONTROLS AIR COMPRESSOR REPLACEMENT.	UUU25	1963	1	EA	20	50	-30	\$56,025.00	\$ 56,025	\$ 62,355	\$ 63,477	\$ 64,620	\$ 65,783	\$	66,967
F-	MS012	PRIMARY CHILLED WATER LOOP PUMP MAINTENANCE/REPLACEMENTS.	UUU20	2014			20	0	20	\$0.00							
F-	MS013	CAMPUS CHILLED WATER DISTRIBUTION PUMP REPLACEMENTS.	UUU20	2004			20	9	11	\$0.00							
F-	MS014	BOILER CIRCULATING WATER PUMP REPLACEMENTS.	UUU22	2004			20	9	11	\$0.00							
F-	MS015	FORUM BUILDING HEATING WATER PUMP REPLACEMENTS.	UUU22	2004			20	9	11	\$0.00						1	
F-	MS016	AIR HANDLING UNIT REPLACEMENTS AHU-1, 2 AND 3.	UUU25	2004			30	9	21	\$0.00			1	1		1	
F-	MS017	CABINET UNIT HEATER REPLACEMENTS.	UUU25	2004			25	9	16	\$0.00			1	1		1	-
			1.0.025	2004	5	EA	25	9	16	\$6,412.50	\$ 32,063	\$ 35,685	\$ 36,327	\$ 36,981	\$ 37,647	Ś	38,324
F-	MS018	EXHAUST FAN MAINTENANCE/REPLACEMENTS.	UUU25	2004	5	EA	25	9	10	\$6,412.50	ş <u>52,005</u>	ə 55,065	Ş 30,327	\$ 50,961	Ş 57,047	Ŷ	

#### SCHOOLCRAFT COLLEGE; FORUM - SCHEDULED MAINTENANCE PROGRAM

F         MS021           F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES006           F-         ES007           F-         ES008           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	ITEM PUMP HOUSE SPLIT SYSTEM A/C REPLACEMENT. FUME HOOD BALANCING AND SAFETY INSPECTION ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING. STORAGE AND UTILITY ROOM LIGHTING.	FICM CODE UUU25 210 UUU04 UUU05 UUU25 UUU25 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU05 UUU05 UUU05 UUU05 UUU05 UUU05 UUU25 UUU05 UUU25 UUU05 UUU05 3 UUU25 UUU25 UUU25 UUU05 3 UUU25 3 UUU25 3 3 10	YEAR ITEM WAS PUT INTO SERVICE 2004 2004 2007 1963 2007 2007 2007 2007 1963 2004 1963 2004 1963 2002 2002 2002	ITEM TOTAL QUANTITY              1              1              1              2              1           18              18			TIME IN USE (YRS) 9 9 9 6 6 6 6 6 6 6 6 6 6 6 50 9 9 50 50		1TEM UNIT COST \$0.00 \$35,775.00 \$0.00 \$81,000.00 \$0.00 \$0.00 \$1,000.00 \$1,000.00 \$81,000.00	ITEM           FIRST COST              \$ 35,775              \$ 81,000              \$ 81,000              \$ 2,000	6 2019 \$ 39,817 \$ 227,891 \$ 90,151 \$ 90,151 \$ 2,226	\$ \$ \$	7 2020 40,533 231,993 91,774 91,774	8 2021 \$ 41,263 \$ 236,169 \$ 93,426 \$ 93,426 \$ 2,307	\$ \$ \$ \$	9 2022 42,006 240,420 95,108 95,108 2,348	\$ \$ \$ \$	10 2023 42,762 244,747 96,819 96,819 2,391
LOC         NO.           F.         MS020           F.         MS021           F.         MS021           F.         ES001           F.         ES002           F.         ES003           F.         ES004           F.         ES005           F.         ES006           F.         ES007           F.         ES009           F.         ES010           F.         ES011           F.         ES012           F.         ES013           F.         ES014           F.         ES015           F.         ES014	PUMP HOUSE SPLIT SYSTEM A/C REPLACEMENT. FUME HOOD BALANCING AND SAFETY INSPECTION ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING.	CODE UUU25 210 UUU04 UUU05 UUU25 UUU25 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 UUU25 UUU05 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UU25 CODE	INTO SERVICE           2004           2007           1963           2007           2007           2007           2007           2007           2007           1963           2004           1963           2004           1963           2004           1963           2002	QUANTITY  1  1    2 2  1 1 18 	UNITS LS EA EA EA LS EA LS EA EA	(YRS) 15 2 20 20 20 20 20 20 20 20 15 20 20 20 20 20 20 20 20 20 20	(YRS) 9 9 6 6 6 6 6 6 6 6 6 6 50 9 9 50	(YRS) 6 -7 14 -30 14 14 14 14 -30 6	\$0.00 \$35,775.00 \$81,000.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$0.00	 \$ 35,775  \$ 81,000    	\$ 39,817 \$ 227,891 \$ 90,151	\$ \$ \$	40,533 231,993 91,774	2021 \$ 41,263 \$ 236,169 \$ 93,426	\$ \$ \$ \$	2022 42,006 240,420 95,108	\$ <b>\$</b> \$	2023 42,762 244,747 96,819
F-         MS020           F-         MS021           F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES006           F-         ES007           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	PUMP HOUSE SPLIT SYSTEM A/C REPLACEMENT. FUME HOOD BALANCING AND SAFETY INSPECTION ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING.	UUU25 210 UUU04 UUU05 UUU25 UUU25 UUU25 UUU25 UUU25 UUU05 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UUU25 UU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU25 CUU35 CUU25 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU35 CUU	2004 2004 2007 1963 2007 2007 2007 1963 2004 1963 1963 2002 2002		 LS EA    EA  EA  LS EA 	15 2 20 20 20 20 20 20 20 20 20 15 20 20 20	9 9 6 50 6 6 6 6 50 9 9 50	6 -7 14 -30 14 14 14 14 14 -30 6	\$0.00 \$35,775.00 \$81,000.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$0.00	 \$ 35,775  \$ 81,000    	\$ 39,817 \$ 227,891 \$ 90,151	\$ \$ \$	40,533 231,993 91,774	\$ 41,263 \$ 236,169 \$ 93,426	\$ \$ \$ 	42,006 240,420 95,108	\$ <b>\$</b> \$	42,762 244,747 96,819
F         MS021           F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES006           F-         ES007           F-         ES008           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	FUME HOOD BALANCING AND SAFETY INSPECTION  ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. OFFICE LIGHTING.	210 UUU04 UUU05 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 UUU25 W06 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2004 2007 1963 2007 2007 2007 1963 2004 1963 1963 2002 2002	1  1   2  1 18 	LS  EA  EA  EA LS EA 	2 20 20 20 20 20 20 20 20 15 20 20	9 6 50 6 6 6 50 9 50	-7 14 -30 14 14 14 14 -30 6	\$35,775.00 \$0.00 \$81,000.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$0.00	 \$ 81,000  	\$ 227,891 \$ 90,151	\$ \$	<b>231,993</b> 91,774	\$ 236,169 \$ 93,426	\$ \$ \$ \$	<b>240,420</b> 95,108	\$ \$ \$	<b>244,747</b> 96,819
F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES006           F-         ES007           F-         ES008           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU04 UUU05 UUU25 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 W06 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2007 1963 2007 2007 2007 1963 2004 1963 1963 2002 2002	 1   2  1 18 	 EA   EA  EA LS EA 	20 20 20 20 20 20 20 15 20 20	6 50 6 6 6 50 9 50	-30 14 14 14 -30 6	\$0.00 \$81,000.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$1,000.00	 \$ 81,000  	\$ 227,891 \$ 90,151	\$ \$	<b>231,993</b> 91,774	\$ 236,169 \$ 93,426	\$ \$ \$ \$	<b>240,420</b> 95,108	\$ \$ \$ \$	<b>244,747</b> 96,819
F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES006           F-         ES007           F-         ES008           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	ELECTRICAL SYSTEMS (may be packaged with BI item scope) BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU05 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 2007 2007 1963 2004 1963 1963 2002 2002	1   2  1 18 	EA   EA  LS EA 	20 20 20 20 20 15 20 20 20	50 6 6 50 9 50	-30 14 14 14 -30 6	\$81,000.00 \$0.00 \$0.00 \$1,000.00 \$1,000.00		\$ 90,151	\$ \$ \$ \$	91,774	\$ 93,426	\$ \$ \$ \$	95,108	\$ \$ \$	96,819
F-         ES001           F-         ES002           F-         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES007           F-         ES008           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	BUILDING SERVICE TRANSFORMER. MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU05 UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 2007 2007 1963 2004 1963 1963 2002 2002	1   2  1 18 	EA   EA  LS EA 	20 20 20 20 20 15 20 20 20	50 6 6 50 9 50	-30 14 14 14 -30 6	\$81,000.00 \$0.00 \$0.00 \$1,000.00 \$1,000.00		· · · · ·	\$			\$		\$	
F         ES002           F         ES003           F-         ES004           F-         ES005           F-         ES006           F-         ES007           F-         ES007           F-         ES007           F-         ES007           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	MAIN SWITCHBOARD. STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU25 UUU25 UUU25 UUU05 UUU25 UUU05 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2007 2007 1963 2004 1963 1963 2002 2002	  2  1 18 	  EA  LS EA 	20 20 20 20 15 20 20 20	6 6 50 9 50	14 14 14 -30 6	\$0.00 \$0.00 \$0.00 \$1,000.00 \$0.00		· · · · ·	\$ \$ \$			\$  \$		\$	
F-         ES004           F-         ES005           F-         ES006           F-         ES007           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU25 UUU25 UUU05 UUU25 UUU25 UUU25 W06 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2007 2007 1963 2004 1963 1963 2002 2002	 2  1 18 	 EA  LS EA 	20 20 20 15 20 20	6 6 50 9 50	14 14 -30 6	\$0.00 \$0.00 \$1,000.00 \$0.00		\$ 2,226	\$	2,266	\$ 2,307	\$	2,348	\$	2,391
F-         ES005           F-         ES006           F-         ES007           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING.	UUU25 UUU05 UUU25 UUU25 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2007 1963 2004 1963 1963 2002 2002	 2  1 18 	 EA  LS EA 	20 20 15 20 20	6 50 9 50	14 -30 6	\$0.00 \$1,000.00 \$0.00		\$ 2,226	\$	2,266	\$ 2,307	\$	2,348	\$	2,391
F-         ES006           F-         ES007           F-         ES008           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	(ATS). ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	UUU05 UUU25 UUU05 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 2004 1963 1963 2002 2002	2  1 18 	EA  LS EA 	20 15 20 20	50 9 50	<mark>-30</mark> 6	\$1,000.00 \$0.00	 \$ 2,000 	\$ 2,226	\$	2,266	\$ 2,307	\$	2,348	\$	2,391
F-         ES006           F-         ES007           F-         ES008           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	ELECTRICAL DISTRIBUTION EQUIPMENT. VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	UUU05 UUU25 UUU05 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 2004 1963 1963 2002 2002	 1 18 	 LS EA 	20 15 20 20	50 9 50	<mark>-30</mark> 6	\$1,000.00 \$0.00	\$ 2,000	\$ 2,226	\$	2,266	\$ 2,307	\$	2,348	\$	2,391
F         ES007           F         ES008           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	VARIABLE FREQUENCY DRIVE (VFD). LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	UUU25 UUU05 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2004 1963 1963 2002 2002	 1 18 	 LS EA 	15 20 20	9 50	6	\$0.00	\$ 2,000 	\$ 2,226	Ş	2,266	\$ 2,307	Ş	2,348	Ş	2,391
F-         ES008           F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	LIGHTING AND RECEPTACLE PANELBOARDS. EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	UUU05 UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 1963 2002 2002	1 18 	EA 	20 20	50	_										
F-         ES009           F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	EXTERIOR BUILDING MOUNTED LIGHTING. EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	UUU25 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	1963 2002 2002		EA 	20		-30	\$81,000,001						1			
F-         ES010           F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	EXIT LIGHTING. CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	W06 W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2002 2002				50			\$ 81,000	\$ 90,151	\$	91,774	\$ 93,426	\$	95,108	\$	96,819
F-         ES011           F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	CORRIDOR LIGHTING. CLASSROOM LIGHTING OFFICE LIGHTING.	W06 110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2002		-	2		-30	\$708.75	\$ 12,758	\$ 14,199	\$	14,454	\$ 14,715	\$	14,979	\$	15,249
F-         ES012           F-         ES013           F-         ES014           F-         ES015           F-         ES016	CLASSROOM LIGHTING OFFICE LIGHTING.	110 AND 210 / 2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.				-	11	-9	\$0.00									
F-         ES013           F-         ES014           F-         ES015           F-         ES016	OFFICE LIGHTING.	2018 - F470 TRACK / TRACK LIGHTING HEADS REPLACED.	2002			20	11	9	\$0.00									
F-         ES014           F-         ES015           F-         ES016						20	11	9	\$0.00									
F- ES015 F- ES016	STORAGE AND UTILITY ROOM LIGHTING.		2002			20	11	9	\$0.00									
F- ES016		X01 AND Y04	1963	1	LS	20	50	-30	\$0.00	\$ -	\$-	\$	-	\$-	\$	-	\$	-
F- ES016	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS).	110 AND 210	2002			20	11	9	\$0.00									
	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS)	W05 AND W06	NONE	1	LS				\$28,000.00	\$ 28,000	\$ 31,163	\$	31,724	\$ 32,295	\$	32,877	\$	33,468
	BUILDING SYSTEMS (fire, security, IT/media infrastructure)	1							. , .		\$ 136,916	\$	139,380	\$ 141,889	\$	144,443	\$	147,043
	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00					. ,			•	
	FIRE ALARM DEVICES.	UUU07	2007			20	6	14	\$0.00									
	BOILER EPO SYSTEM.	Y04	NONE	1	EA	20			\$3,375.00	\$ 3,375	\$ 3,756	Ś	3,824	\$ 3,893	Ś	3,963	Ś	4.034
	CLOCK SYSTEM.	UUU25	1963	1	LS	20	50	-30	\$48,221.26	\$ 48,221	\$ 53,669	Ś	54,635	\$ 55,619	Ś	56,620	Ś	57,639
	SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$48,221.26	\$ 48,221	\$ 53,669	Ś	54,635	\$ 55,619	Ś	56,620	Ś	57,639
	SECURITY ACCESS SYSTEM. IMPROVEMENTS WERE MADE IN		2004 W/ 2019						<i>+ ···</i>	+,	+	7	.,	+,	T	,	т	
F- BS006	2019. FURTHER UPGRADES FROM GALAXY ACCESS SYSTEM TO	UUU14	& 2020			20			\$0.00									
5 00007	LENELL S2 SYSTEM CHANGE IN 2020.	500	CHANGES					-	40.00	A								
	THEATER LIGHTING AND CONTROL EQUIPMENT.	590	1963	1	LS	20	50	-30	\$0.00	Ş -	ş -	\$		\$ -	\$		\$	-
	NETWORK CABLING.	UUU02	VARIOUS	1	LS	10			\$400.00	\$ 400	\$ 445	\$	453	\$ 461	\$	470	Ş	478
	NETWORK CABLE.	UUU02	VARIOUS	106	EA	10			\$200.00	\$ 21,200	\$ 23,595	Ş	24,020	\$ 24,452	Ş	24,892	Ş	25,340
F- BS010	NETWORK SYSTEMS.	UUU02	VARIOUS	2	EA	10			\$300.00	\$ 600	\$ 668	\$	680	\$ 692	Ş	705	\$	717
F- BS011	TP COMMUNICATION CABLE.	UUU02	VARIOUS	10	EA	10			\$100.00	\$ 1.000	\$ 1,113	Ś	1,133	\$ 1,153	Ś	1,174	Ś	1,195
	SPECIALTY EQUIPMENT (food service, theatre, labs, shops)								+	+ _/	\$ 48.081	Ś	48.946	\$ 49.827	Ś	50,724	Ś	51,637
	F200 FUME HOODS RECONDITIONING/REPLACEMENT.	210	2007			20	6	14	\$0.00		÷ .0,001	· ·	.0,5 .0	¢ .0,017			<b>•</b>	01,007
	F210 FUME HOODS RECONDITIONING/REPLACEMENT.	210	2004			20	9	11	\$0.00									
	F270 FUME HOODS RECONDITIONING/REPLACEMENT.	210	1997			20	16	4	\$0.00									
F- SE004	F400 SPRAY BOOTH RECONDITIONING/REPLACEMENT.	110	2001			20	12	8	\$0.00									
F- SE005	F410 CERAMICS GLAZING SPRAY BOOTH	210				20	3	17	\$0.00									
	RECONDITIONING/REPLACEMENT. EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH		2010								4 49.675		10.0/-	A 10.5				
F-I SEUUD	CURRENT COLLEGE BRANDING STANDARDS).	SSS16	1963	1	LS	25	50	-25	\$43,200.00	\$ 43,200	\$ 48,081	\$	48,946	\$ 49,827	\$	50,724	\$	51,637
	ACCESSIBILITY IMPROVEMENTS										\$ 42,597	\$	43,364	\$ 44,144	\$	44,939	\$	45,748
	ADA WHEELCHAIR LIFT FOR IMPROVED ACCESS BETWEEN UPPER AND LOWER HALVES OF FORUM	W06	NONE	60	LF	20			\$637.88	\$ 38,273	\$ 42,597	\$	43,364	\$ 44,144	\$	44,939	\$	45,748
						А	NNUAL F	INC							A -	.582.266	¢ 1	.610.747

			CRAMA VEAD ZEDO.	2012					TE (0/).	4.00/				IFCI		т			
		SCHEDULED MAINTENANCE PROG	SKAIVI - YEAK ZERU:	2013			INFLA	ATION R	ATE (%):	1.8%				LEGI		-			
			BUILDING AGE	BUILDING									AVG: A	VERAGE		ł			
		BUILDING SECTION (BUILDING TYPE)	(YRS)	AREA (GSF)									CF: CUE	BIC FEET		1			
		GROTE CENTER - TOTAL (ADMIN)	1963	15,076									CY: CUE	BIC YARDS		1			
		[FORMERLY NAMED ADMINISTRATION BUILDING]											EA: EAO			I			
														TIMATED U					
								ITEM N	O. CODE	S				ROSS SQUAF		I			
				YEAR: 2023									LOC: LC	DCATION (SI	TE/BLDG)				
		MAINTENANCE BACKLOG VAI	LUE FOR BUILDING:	\$ 862,429		AI: ACC	ESSIBILI	TY IMPRO	VEMENT				PV: PRE	ESENT VALU	E	Ι			
		REPLACEMENT VALUE F	FOR THE BUILDING:	\$ 5,210,600		BE: BUI	LDING E	XTERIOR					RUL: ES	STIMATED U	SEFUL LIFE				
		FACILITY CONI	DITION INDEX (FCI):	17%		BI: BUIL	DING IN	ITERIOR					SF: SQL	JARE FEET		1			
						BS: BUI	LDING S	YSTEM					SY: SQL	JARE YARDS		1			
				BUILDING		ES: ELEC	CTRICAL	SYSTEM					YRS: YE	ARS		1			
		Cohoolomoft	FCI	CONDITION		MS: ME	CHANIC	AL SYSTE	м							1			
		Schoolcraft College	FCI < 5%	GOOD		PS: PLU	MBING	SYSTEM					REMAII	NING USEFU	L LIFE (RUL) BARO	METER	2		
		College	5%< FCI< 10%	FAIR			GROUN								RUL = 1 YEAR OI		-		
			10% < FCI	POOR					лт						RUL = 5 YEARS				
			10% < FU	FOUN		JL. JFE	UNLII E		••		I				RUL = 5 YEARS RUL = 10 YEARS	OR G	REATER		
							AVC	TINAE		ITEM						ΡΙΔΝ	VEAR		
			FIG: 1	YEAR ITEM	17514 2024	ITENA		TIME		UNIT	ITEM	6		7		- CAN			10
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE							8		9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020	2021		2022		2023
		BUILDING ENVELOPE (includes items exterior to building)										\$ 82,662	\$	84,150	\$ 85,665	\$	87,206	\$	88,776
GC-	BE001	EXTERIOR PAINTING (SOFFITS, FASCIA, WOOD BEAMS).	MMM16	2020	1	EA	15	0	15	\$12,100.00	\$ 12,100								
66	DE003	EXTERIOR METAL DOOR FRAME / DOOR REPLACEMENTS	14/05	MARIOUS	2	EA	25			¢2 75 4 00	¢ 0.000	ć 0.105	ć	0.201	ć 0.520	ć	0 701	ć	0.070
GC-	BE002	(FRAME CORROSION INVOLVED).	W06	VARIOUS	3	EA	25			\$2,754.00	\$ 8,262	\$ 9,195	Ş	9,361	\$ 9,529	\$	9,701	\$	9,876
GC-	BE003	FROST SLAB REPLACEMENTS AT EXTERIOR DOORS.	W06	1963	30	SF		50	-50	\$117.00	\$ 3,510	\$ 3,907	\$	3,977	\$ 4,048	\$	4,121	\$	4,196
GC-	BE004	LIMESTONE WING WALL CAP REPLACEMENTS.	MMM16	1963	40	SF	50	50	0	\$36.11	\$ 1,444	\$ 1,608	\$	1,637	\$ 1,666	\$	1,696	\$	1,726
GC-	BE005	EXTERIOR SEALANT MAINTENANCE.	MMM16	1963	150	LF	20	50	-30	\$4.73	\$ 710	\$ 790	\$	804	\$ 818	\$	833	\$	848
GC-	BE006	BELL TOWER PAINTING.	MMM16	2011			15	2	13	\$0.00									
GC-	BE007	EXTERIOR WINDOWS REPLACEMENT.	MMM16	2006			30	7	23	\$0.00									
GC-		CLEAN BRICK EFFLORESCENCE.	MMM16	1963			10	50	-40	\$0.00									
GC-		MASONRY MAINTENANCE.	MMM16	1963			10	50	-40	\$0.00									
		EAST AND WEST LOBBY STOREFRONT WINDOW SYSTEM																	
GC-	BE010	MAINTENANCE.	W05	VARIOUS			30			\$0.00									
66	DE014	WINDOW MAINTENANCE (EXCLUDING EAST AND WEST LOBBY		2006		1	20	-	22	ćo oo			1			1			
GC-	BE011	STOREFRONT WINDOW SYSTEM).	MMM16	2006			30	/	23	\$0.00									
GC-	BE012	ASPHALT BUILT-UP ROOFING MAINTENANCE/REPLACEMENT.	MMM16	1993	3,400	SF	20	20	0	\$16.20	\$ 55,080	\$ 61,303	\$	62,406	\$ 63,530	\$	64,673	\$	65,837
GC-	BE013	STANDING SEAM METAL ROOFING MAINTENANCE/REPLACEMENT.	MMM16	1998			50	15	35	\$0.00									
	DECL	PRESSURE LAMINATED STRUCTURAL WOOD BEAM RE-		2025	c=-		4-		-	40	A	A	<u>^</u>	4 000	Å	4	2	¢.	
	DEU14	FINISHING.	MMM16	2005	650	SF	15	8	7	\$2.70		\$ 1,953 \$ 3.907	\$	1,988		\$ ¢		\$ \$	2,098
GC-	BEU15	PROVIDE CONCRETE PAD AT EXTERIOR EXIT DOOR	W06	2006	15	SF	20	/	13	\$234.00	\$ 3,510	\$ 3,907 \$ 154.059	Ş	3,977 156.832	\$ 4,048 \$ 159.655	>	4,121 162,529	ې د	4,196 165.454
66	DI001			2000	5 460	65	25	12	22	64.72	A	· · · · · · · · · · · · · · · · · · ·	<b>&gt;</b>			<b>?</b>	,	<b>&gt;</b>	
GC-	BI001	CORRIDOR VCT TILE REPLACEMENT.	W05 AND WO6	2000	5,460	SF	35	13	22	\$4.73	\$ 25,826	\$ 28,744	Ş	29,261	\$ 29,788	Ş	30,324	\$	30,870
GC-		INTERIOR WOOD DOOR / DOOR HARDWARE REPLACEMENT.	310 AND 350	VARIOUS	14	EA	50			\$1,350.00	\$ 18,900	\$ 21,035	\$	21,414	\$ 21,799	\$	22,192	\$	22,591
GC-		UPDATE INFORMATION / BROCHURE RACK AT NORTHEAST CORRIDOR.	W05	1963	40	SF	15	50	-35	\$67.50	\$ 2,700	\$ 3,005	\$	3,059	\$ 3,114	\$	3,170	\$	3,227
GC-	BI004	TOILET ROOM RENOVATIONS (FLOOR TILE, WALL TILE, ADA COMPLIANCE ISSUES INCLUDED).	X03	1963	350	SF	25	50	-25	\$54.00	\$ 18,900	\$ 21,035	\$	21,414	\$ 21,799	\$	22,192	\$	22,591
GC-	BI005	UPDATE / REPLACE CORRIDOR BENCH SEATING.	W05	1963	32	LF	20	50	-30	\$344.25	\$ 11,016	\$ 12,261	\$	12,481	\$ 12,706	\$	12,935	\$	13,167
GC-		FLOOR FINISH UPDATES - ALLOWANCE.	310 AND 350	VARIOUS						\$0.00					•				
			310, 350, W05			1										1			
GC-	RI001	WALL FINISH UPDATES - ALLOWANCE.	AND W06	VARIOUS						\$0.00									

#### SCHOOLCRAFT COLLEGE; GROTE CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM				D MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM	6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022		2023
GC-	BI008	A13 - PHONE SWITCHGEAR ASBESTOS FLOORING ABATEMENT AND REPLACEMENT.	Y04	2015		SF		0		\$5.06	-						
GC-	BI009	A13 - PHONE SWITCHGEAR ASBESTOS DOOR ABATEMENT AND REPLACEMENT.	Y04	1963	1	EA	50	50	0	\$1,485.00	\$ 1,485	\$ 1,653	\$ 1,683	\$ 1,713	\$ 1,74	\$4	1,775
GC-	BI010	BOARD ROOM KITCHENETTE REPLACEMENT.	355	2012			20	1	19	\$0.00							
GC-	BI011	REPLACE OFFICE CARPETING	310 AND 350	VARIOUS	3,150	SF	15			\$7.09	\$ 22.334	\$ 24,857	\$ 25,304	\$ 25,760	\$ 26,22	23 \$	26,695
GC-	BI012	REPLACE ENTRANCE MATS	W06	2009	600	SF	5	4	1	\$62.10	\$ 37,260	\$ 41,470	\$ 42,216	\$ 42,976	\$ 43,74	19 \$	44,537
	-	PLUMBING SYSTEMS (may be packaged with BI item scope)										\$ -	\$ -	\$ -	\$ -	\$	-
GC-		NONE									\$ -	\$ -	\$ -	\$ -	\$	- \$	-
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 255,216	\$ 259,810	\$ 264,486	\$ 269,24	7 \$	274,094
GC-	MS001	HVAC SYSTEM CLEANING.	UUU25	1999	15,000	SF	10	14	-4	\$1.15	\$ 17,250	\$ 19,199	\$ 19,544	\$ 19,896	\$ 20,25	54 \$	20,619
GC-	MS002	MECHANICAL SUMP PUMP MAINTENANCE / REPLACEMENT.	UUU16	VARIOUS	1	LS	15	-		\$1,080.00	\$ 1,080	\$ 1,202	\$ 1,224	\$ 1,246	\$ 1,26	58 \$	1,291
GC-	MS003	AIR HANDLING UNIT REPLACEMENT (ORIGINAL UNIT HOUSING MODIFIED AND RECOMMISSIONED IN 2006).	UUU25	2006			25	7	18	\$0.00							
GC-	MS004	CABINET UNIT HEATER REPLACEMENTS.	UUU25	2006			25	7	18	\$0.00							
GC-	MS005	FINNED TUBE RADIATION MAINTENANCE.	UUU25	2006			25	7	18	\$0.00							
GC-	MS006	INDUCED DRAFT FAN (HOT WATER BOILER STACK) MAINTENANCE.	UUU22	2006			15	7	8	\$0.00							
GC-	MS007	RETURN AIR FAN MAINTENANCE.	UUU25	2006			20	7	13	\$0.00							
GC-	MS008	ELECTRIC DUCT HEATER REPLACEMENTS.	UUU25	2006			10	7	3	\$0.00							
GC-	MS009	CHILLED WATER DISTRIBUTION PUMP REPLACEMENTS.	UUU20	2006			20	7	13	\$0.00							
		HEATING HOT WATER DISTRIBUTION PUMP REPLACEMENTS.	UUU22	2006			20	7	13	\$0.00							
GC-	MS011	HEATING HOT WATER BOILER CIRCULATING PUMPS.	UUU22	2006	2	EA	20	7	13	\$6,750.00	\$ 13,500	\$ 15,025	\$ 15,296	\$ 15,571	\$ 15,85	51 \$	16,137
GC-	MS012	HEATING HOT WATER BOILER REPLACEMENTS.	UUU22	2006	2	EA	20	7	13	\$47,250.00	\$ 94,500	\$ 105,176	\$ 107,070	\$ 108,997	\$ 110,95	59 \$	112,956
GC-	MS013	BAS UPGRADE.	UUU06	2006	15,000	SF	20	7	13	\$6.08	\$ 91,200	\$ 101,504	\$ 103,331	\$ 105,191	\$ 107,08	34 \$	109,012
GC-	MS014	UPGRADE TOILET ROOM FIXTURES.	X03	VARIOUS	3	EA	40			\$2,700.00	\$ 8,100	\$ 9,015	\$ 9,177	\$ 9,343	\$ 9,53	1\$	9,682
GC-	MS015	CHW BUTTERFLY VALVES.	UUU20	2004	2	EA	15	9	6	\$1,350.00	\$ 2,700	\$ 3,005	\$ 3,059	\$ 3,114	\$ 3,17	70 \$	3,227
GC-	MS016	RIGID INSULATION ON DUCTWORK.	UUU25	1963	50	SF	15	50	-35	\$19.58	\$ 979	\$ 1,090	\$ 1,109	\$ 1,129	\$ 1,15	50 \$	1,170
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$ 147,623	\$ 150,280	\$ 152,985	\$ 155,73	9 \$	158,542
GC-	ES001	BUILDING SERVICE TRANSFORMER.	UUU04	2007			20	6	14	\$0.00							
GC-	ES002	MAIN SWITCHBOARD.	UUU05	1963	1	EA	20	50	-30	\$54,000.00	\$ 54,000	\$ 60,101	\$ 61,183	\$ 62,284	\$ 63,40	)5 \$	64,546
GC-	ES003	STANDBY GENERATOR.	UUU25	2006			20	7	13	\$0.00							
GC-	ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2006			20	7	13	\$0.00							
GC-	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2006			20	7	13	\$0.00							
GC-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	1963	2	EA	20	50	-30	\$20,250.00	\$ 40,500	\$ 45,076	\$ 45,887	\$ 46,713	\$ 47,55	54 \$	48,410
GC-	ES007	VARIABLE FREQUENCY DRIVE (VFD).	UUU25	2006			15	7	8	\$0.00							
GC-	ES008	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1963	1	LS	20	50	-30	\$13,500.00	\$ 13,500	\$ 15,025	\$ 15,296	\$ 15,571	\$ 15,85	51 \$	16,137
GC-	ES009	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2006	10	EA	20	7	13	\$708.75	\$ 7,088	\$ 7,888	\$ 8,030	\$ 8,175	\$ 8,32	22 \$	8,472
GC-	ES010	EXIT LIGHTING.	W05 AND W06	2006			20	7	13	\$0.00							
GC-	ES011	CORRIDOR LIGHTING.	W05 AND W06	2006			20	7	13	\$0.00							
GC-	ES012	MEETING/CONFERENCE ROOM LIGHTING.	350	1999			20	14	6	\$0.00							
GC-	ES013	OFFICE LIGHTING.	310	2006			20	7	13	\$0.00							
GC-	ES014	STORAGE AND UTILITY ROOM AND ATTIC LIGHTING.	Y04	1963	1	LS	20	50	-30	\$13,500.00	\$ 13,500	\$ 15,025	\$ 15,296	\$ 15,571	\$ 15,85	51 \$	16,137
GC-	ES015	LIGHTING CONTROLS (OFFICES/MEETING ROOMS).	310 AND 350	2006			20	7	13	\$0.00							
GC-	ES016	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS).	W05 AND W06	NONE	1	LS	20		-	\$4,050.00	\$ 4,050	\$ 4,508	\$ 4,589	\$ 4,671	\$ 4,75	55 \$	4,841
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)										\$ 87,805	\$ 89,386	\$ 90,995	\$ 92,63	2 \$	94,300
GC-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00							
GC-	BS002	FIRE ALARM DEVICES.	UUU07	2006			20	7	13	\$0.00							
GC-	BS003	BOILER EPO SYSTEM.	Y04	NONE	1	EA	20			\$3,375.00	\$ 3,375	\$ 3,756	\$ 3,824	\$ 3,893	\$ 3,96	53 \$	4,034

#### SCHOOLCRAFT COLLEGE; GROTE CENTER - SCHEDULED MAINTENANCE PROGRAM

			YEAR ITEM			AVG	TIME		ITEM			SCHEDULE	MAINTENANCE	PLAN YEAR	
	ITEM	FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9	10
LOC	NO. ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022	2023
GC-	BS004 CLOCK SYSTEM.	UUU25	1963	1	LS	20	50	-30	\$13,229.00	\$ 13,229	\$ 14,724	\$ 14,989	\$ 15,258	\$ 15,533	\$ 15,813
GC-	BS005 SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$45,588.00	\$ 45,588	\$ 50,738	\$ 51,652	\$ 52,581	\$ 53,528	\$ 54,491
GC-	BS006 SECURITY ACCESS SYSTEM. COMPLETED 2021.	UUU14	2021	1	LS	20	0	20	\$0.00	\$ -	\$-	\$-	\$-	\$-	\$-
GC-	BS007 NETWORK LABELING	UUU02	VARIOUS	1	LS	10			\$200.00	\$ 200	\$ 223	\$ 227	\$ 231	\$ 235	\$ 239
GC-	BS008 NETWORK CABLE	UUU02	2015		EA	:			\$200.00	1					
GC-	BS009 NETWORK CABLE	UUU02	2015		EA				\$25.00						
GC-	BS010 T.P. COMMUNICATION CABLE	UUU02	2015		EA				\$100.00						,
GC-	BS011 NETWORK SYSTEMS	UUU02	VARIOUS	1	LS	10			\$12,000.00	\$ 12,000	\$ 13,356	\$ 13,596	\$ 13,841	\$ 14,090	\$ 14,344
GC-	BS012 NETWORK CABLE	UUU02	VARIOUS	12	EA	10			\$200.00	\$ 2,400	\$ 2,671	\$ 2,719	\$ 2,768	\$ 2,818	\$ 2,869
GC-	BS013 NETWORK CABLE	UUU02	VARIOUS	24	EA	10			\$25.00	\$ 600	\$ 668	\$ 680	\$ 692	\$ 705	\$ 717
GC-	BS014 NETWORK SYSTEMS	UUU02	VARIOUS	15	EA	10			\$100.00	\$ 1,500	\$ 1,669	\$ 1,700	\$ 1,730	\$ 1,761	\$ 1,793
	SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$ 75,126	\$ 76,478	\$ 77,855	\$ 79,256	\$ 80,683
GC-	SE001 EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH CURRENT COLLEGE BRANDING STANDARDS).	SSS16	1963	1	LS	25	50	-25	\$43,200.00	\$ 43,200	\$ 48,081	\$ 48,946	\$ 49,827	\$ 50,724	\$ 51,637
GC-	SE002 ENTRY ELECTRONIC KIOSK.	W05	NONE	1	EA	15			\$24,300.00	\$ 24,300	\$ 27,045	\$ 27,532	\$ 28,028	\$ 28,532	\$ 29,046
	ACCESSIBILITY IMPROVEMENTS										\$ 541	\$ 551	\$ 561	\$ 571	\$ 581
GC-	AI001 FIRE EXTINGUISHER ACCESSIBILITY	W05 AND W06	1963	4	EA	50	50	0	\$121.50	\$ 486	\$ 541	\$ 551	\$ 561	\$ 571	\$ 581
							ANNU	AL FUND	ING REQUIREME	NTS (ROUNDED):	\$ 803,031	\$ 817,486	\$ 832,201	\$ 847,180	\$ 862,429

		SCHEDULED MAINTENANCE PRO	GRAM - YEAR ZERO:	2013			INFLA	TION RA	TE (%):	1.8%	1			LEG	END	1			
		NOTE: THIS BUILDING WAS RENAMED 2022 FROM APPLIED SCIE		2010					- (- /-	11070	J								
			BUILDING AGE	BUILDING AREA									AVG	G: AVERAGE					
		BUILDING SECTION (BUILDING TYPE)	(YRS)	(GSF)									CF: (	CUBIC FEET					
		HEALTH SCIENCES CENTER - TOTAL (CLASSROOM)		101,707									CY:	CUBIC YARDS					
		APPLIED SCIENCE - ORIGINAL	1965	46,755									EA:	EACH					
		APPLIED SCIENCE - NORTH WING	1972	27,345									EUL	: ESTIMATED U	JSEFUL LIFE				
		HEALTH SCIENCES CENTER - BUILDING EXPANSIONS	2021	27,607				ITEM NO	. CODES				GSF	GROSS SQUA	ARE FEET				
				YEAR: 2023									LOC	: LOCATION (S	ITE/BLDG)				
		MAINTENANCE BACKLOG VA	ULE FOR BUILDING:	\$ 2,944,726		AI: ACC	ESSIBILI	TY IMPRC	VEMENT				PV:	PRESENT VAL	JE				
		REPLACEMENT VALUE		\$37,059,300		BE: BUI	LDING F	XTERIOR					RUL	: ESTIMATED	USEFUL LIFE				
			DITION INDEX (FCI):	8%				NTERIOR					-			-			
		FACIEITI CON	DITION INDEX (FCI).	0/0										SQUARE FEET	_	-			
					l	BS: BUI								SQUARE YARD	15	-			
				BUILDING				SYSTEM					YRS	: YEARS					
		A Schoolcraft	FCI	CONDITION		MS: ME	CHANIC	CAL SYSTE	м										
		Schoolchalt	FCI < 5%	GOOD		PS: PLU	MBING	SYSTEM					REN	AINING USEF	UL LIFE (RUL) BARC	OMETE	<u>R</u>		
		Schoolcraft College	5%< FCI< 10%	FAIR		SG: SITE	E GROUI	NDS							RUL = 1 YEAR OF	R LESS			
1			10% < FCI	POOR		SE: SPE	CIALTY E	QUIPMEI	T		1				RUL = 5 YEARS				
1					I						1				RUL = 10 YEARS	OR GI	REATER		
L																			
				YEAR ITEM			AVG	TIME		ITEM				DEFERRED	MAINTENANCE F	PLAN 1	/EAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM		IN USE	RUL	UNIT	ITEM	6		7	8		9	10	)
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY			(YRS)		СОЅТ	FIRST COST	2019		2020	2021		2022	202	
	110.		CODE	INTO SERVICE	QUANTIN		(110)	(113)	(113)						2021		LVLL	202	
		BUILDING ENVELOPE (includes items exterior to building)										\$ 531,414	\$	540,979	\$ 550,717	\$	560,630	\$ 570	0,721
	05004	SOUTHWEST RETAINING WALL MASONRY AND LIMESTONE CAP		10.05	10	15	5.0			600 TF	¢	¢					74.2		
HS-	BE001	REPAIRS.	MMM16	1965	18	LF	50	48	2	\$33.75	\$ 608	\$ 676	\$	688	\$ 701	\$	713	Ş	726
HS-	BE002	NORTHWEST RETAINING WALL LIMESTONE CAP REPAIRS.	MMM16	2017	30	LF	50	0	50	¢14.95	é	\$ -	Ś		ć	Ś		Ś	
HS-	BEUUZ	NORTHWEST RETAINING WALL LIMESTONE CAP REPAIRS.		2017	30	LF	50	U	50	\$14.85	Ş -	\$ -	Ş	-	Ş -	Ş	-	Ş	-
HS-	BE003	NORTHWEST CONCRETE STEP TREADS REPLACEMENT	MMM16	2014	150	LF	25	0	25	\$60.75	\$ 9,113	\$-	\$	-	\$-	\$	-	\$	-
HS-	BE004	SPALLING FACE BRICK REPAIRS (ESPECIALLY EAST EXPOSURE).	MMM16	1965	700	SF	75	48	27	\$17.55	\$ 12,285	\$ 13,673	\$	13,919	\$ 14,170	\$	14,425	\$ 1	14,684
1.37	52004		WIWIWITO	1,005	,	51	, ,		- /	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	÷ 12,203	÷ 13,073	Ŷ	13,313	÷ 14,170	Ŷ	17,923	÷ 1	- 1,004
HS-	BE005	EXTERIOR DOOR REPLACEMENTS (ACCELERATED	W06	2006			25	7	18	\$0.00						1			
		DETERIORATION AT EAST DOORS).										ļ	_						
HS-	BE006	EXTERIOR WINDOW REPLACEMENTS.	MMM16	2007			30	6	24	\$0.00			_						
HS-	BE007	EXTERIOR SEALANT MAINTENANCE.	MMM16	VARIOUS	2,000	LF	20			\$4.73	\$ 9,460	\$ 10,529	\$	10,718	\$ 10,911	\$	11,108	\$ 1	11,308
IT		NORTH WING THEATRE SCENE SHOP ROLL-UP DOOR																	
HS-	BE008	REPLACEMENT. INCLUDES NEW GARAGE DOOR OPENER.	210	2016	80	SF	25	0	25	\$4,252.00	\$ -	\$-	\$	-	\$-	\$	-	\$	-
		ELIMINATED.																	
HS-	BE009	REPLACE DOOR AND DOOR HARDWARE ON AS84 - MEZZ	Y04	1972	1	EA	15	41	-26	\$5,643.00	\$ 5,643	\$ 6,281	\$	6,394	\$ 6,509	\$	6,626	\$	6,745
	22005	MECHANICAL ROOM TO EXTERIOR.		15/2	-					\$3,8.8.00	, 0,040	- 3,201	Ť	0,004	÷ 0,505	Ť	0,020	+	-,5
		DEDLACE EXTEDIOD DENCLIES IN MODTHIN/ECT DATIO ADDA MUTH																	
HS-	BE010	REPLACE EXTERIOR BENCHES IN NORTHWEST PATIO AREA WITH	SSS02	1972	50	LF	20	41	-21	\$499.50	\$ 24,975	\$ 27,797	\$	28,297	\$ 28,806	\$	29,325	\$ 2	29,853
		COLLEGE STANDARD LANDSCAPING FURNITURE.																	
$\vdash$						+						<u> </u>	+			+			
HS-	BE011	REPLACE EXTERIOR BENCHES IN SOUTHWEST PATIO AREA WITH	SSS02	1965	32	LF	20	48	-28	\$499.50	\$ 15,984	\$ 17,790	\$	18,110	\$ 18,436	Ś	18,768	\$ 1	19,106
113*	DLUII	COLLEGE STANDARD LANDSCAPING FURNITURE.	33302	1505	32		20	40	-20	Ç-33.30	÷ 13,364	÷ 1,750	Ť	10,110	- 10,430	Ý	10,700	~ 1	
HS-	BE012	EXTERIOR SOFFIT REPAIRS AND PAINTING.	MMM16	VARIOUS	6,500	SF	15			\$23.63	\$ 153.595	\$ 170,948	Ś	174,025	\$ 177,157	Ś	180,346	Ś 18	33,592
HS-	BE012				200	SF	75	48	27	\$1.89	\$ 378	\$ 170,548	_	428		ć	444	¢ 10	452
		CLEAN EXTERIOR BRICK EFFLORESCENCE.	MMM16	1965				_				ې 421	Ş	428	ې 430	ç	444	~	432
HS-	BE014	EXTERIOR MORTAR JOINT REPAIRS.	MMM16	VARIOUS			50			\$0.00			_				ł		
HS-	BE015	NORTH WING REROOFING (WHITE, SINGLE-PLY MEMBRANE).	MMM16	1997	15,400	SF	25	16	9	\$16.20	\$ 249,480	\$ 277,666	\$	282,664	\$ 287,752	\$	292,931	\$ 29	98,204
	BE016												_				ł		
		EMT LAB ADDITION REROOFING.	MMM16	2003			25	10	15	\$0.00		ļ							
HS-																			
HS-	BE017	TAN, SINGLE-PLY REROOFING.	MMM16	2003			25	10	15	\$0.00									
		TAN, SINGLE-PLY REROOFING. STANDING SEAM METAL ROOFING.	MMM16 MMM16	2003 2003			25 50	10 10	15 40	\$0.00 \$0.00									

### SCHOOLCRAFT COLLEGE; HEALTH SCIENCES CENTER (FORMERLY APPLIED SCIENCE) - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFE		MAINTENANCE F	LAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7		8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020		2021	2022		2023
		BUILDING INTERIOR	r	r	F	1	1	1	1		r	\$ 167,967	\$ 170,	990	\$ 174,068	\$ 177,203	1 \$	180,391
HS-	BI001	INTERIOR DOOR REPLACEMENTS (MOSTLY WOOD DOORS). DOOR HARDWARE - COMPLETED 2019.	110, 210 AND 310	VARIOUS	40	EA	50			\$1,153.24	\$ 46,130							
HS-	BI002	CORRIDOR BENCH SEATING / BOOTHS UPGRADES. POWER AND USB PORTS FOR STUDENT LAPTOPS ADDED 2013.	W05	VARIOUS / 2013 PWR & USB ADDS	260	LF	20			\$344.25	\$ 89,505							
HS-	BI003	SOUTH WING TOILET ROOM UPGRADES (INCLUDES PLUMBING FIXTURES, ADA COMPLIANCE IMPROVEMENTS, AND LIGHTING UPGRADES).	X03	2004	760	SF	25	9	16	\$54.00	\$ 41,040	\$ 45,677	\$ 46	,499	\$ 47,336	\$ 48,18	8 \$	49,055
HS-	BI004	NORTH WING TOILET ROOM UPGRADES (INCLUDES PLUMBING FIXTURES, ADA COMPLIANCE IMPROVEMENTS, AND LIGHTING UPGRADES).	X03	VARIOUS	430	SF	25			\$54.00	\$ 23,220	\$ 25,843	\$ 26	,309	\$ 26,782	\$ 27,26	4 \$	27,755
HS-	BI005	LAY-IN CEILING TILE REPLACEMENTS - ALLOWANCE. COMPLETED 2021.	100, 200, 300 AND W06	2021	0	SF	35			\$4.32	\$ -	\$ -	\$	-	\$-	\$	- \$	-
HS-	BI006	FLOOR FINISH UPDATES - ALLOWANCE.	100, 200, 300 AND W06	VARIOUS						\$0.00								
HS-	BI007	WALL FINISH UPDATES - ALLOWANCE.	100, 200, 300 AND W06	VARIOUS						\$0.00								
HS-	BI008	SOUTH WING CORRIDOR DISPLAY CASE UPGRADES.	W05 AND W06	1965	1	LS	40	48	-8	\$0.00	\$ -	\$ -	\$	-	\$-	\$	- \$	-
HS-	BI009	NORTH WING LOBBY EAST WALL UPGRADE (WALL WITH DATED LOOK MOSAIC TILE).	W05	1972	160	SF	25	41	-16	\$40.50	\$ 6,480	\$ 7,212	\$7	,342	\$ 7,474	\$ 7,60	9\$	7,746
HS-	BI010	MAIN COMPUTER ROOM UPGRADES.	710	2010			25	3	22	\$0.00								
HS-	BI011	WATER-PROOF AS90 WHERE ELECTRICAL SERVICE FOR NORTH- WING OF APPLIED SCIENCE ENTERS THE BUILDING ELIMINATED.	UUU05	1972	0	LS	15	41	-26	\$6,750.00	\$ -	\$ -	\$	-	\$-	\$	- \$	-
HS-	BI012	NON-FIRE STOPPED FLOOR PENETRATIONS.	Y04	1965	5	SF	50	48	2	\$135.00	\$ 675	\$ 751	\$	765	\$ 779	\$ 79	3\$	807
HS-	BI013	PAINTED CONCRETE FLOOR.	Y04	1965	700	SF	15	48	-33	\$2.03	\$ 1,421	\$ 1,582	\$ 1	,610	\$ 1,639	\$ 1,66	8\$	1,699
HS-	BI014	ENTRANCE CARPETS.	W06	2016	1,300	SF	5	0		\$62.10	\$ -	\$ -	\$	-	\$-	\$	- \$	-
HS-	BI015	FOLDING PARTITIONS.	110 AND 210	2001	450	SF	20	12	8	\$9.86	\$ 4,437	\$ 4,938	\$ 5	,027	\$ 5,118	\$ 5,21	0\$	5,304
HS-	BI016	CARPET REPLACEMENT	110	VARIOUS	7,150	SF	12			\$7.09		\$ 56,421		,436	\$ 58,470			,
HS-	BI017	MASONRY WALL REPAIR	110	1972	1	LS	50	41	9	\$22,950.00	\$ 22,950	\$ 25,543		,003	\$ 26,471	\$ 26,94		, -
		PLUMBING SYSTEMS (may be packaged with BI item scope)	r	r	F	1	1	1			r	\$ 11,130	\$ 11,	330	\$ 11,534	\$ 11,742	2 \$	11,953
HS-	PS001	DOMESTIC HOT WATER HEATER REPLACEMENT - SOUTH WING.	UUU24	2008			10	5	5	\$0.00								
HS-	PS002	DOMESTIC HOT WATER HEATER REPLACEMENT - NORTH WING	UUU24	2010			10	3	7	\$0.00								
HS-	PS003	METALLURGY LABORATORY ACID WASTE SYSTEM INSPECTION/MAINTENANCE. METALLURGY MOVED TO "MEC"- BUILDING IN 2020	UUU25	2010			10	3	7	\$0.00								
HS-	PS004	PLUMBING FIXTURES - SOUTH	X03	VARIOUS			40			\$0.00								
HS-	PS005	PLUMBING FIXTURES - NORTH	X03	VARIOUS			40			\$0.00								
HS-	PS006	INVESTIGATE SLOW FLUSHING URINALS IN NORTH GANG TOILETS - ALLOWANCE	X03	UNKNOWN	1	LS	1			\$10,000.00	\$ 10,000	\$ 11,130	\$ 11	,330	\$ 11,534	\$ 11,74	2 \$	11,953
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 1,556,453	\$ 1,584,	469	\$ 1,612,990	\$ 1,642,023	3 \$	1,671,580
HS-	MS001	MAIN COMPUTER ROOM BACK-UP A/C SYSTEM AND ASSOCIATED ROOF MOUNTED CONDENSER	710	2010			20	3	17	\$0.00								
HS-	MS002	MAIN COMPUTER ROOM PRIMARY A/C SYSTEM AND ASSOCIATED ROOF MOUNTED CONDENSER.	710	2017			20	0	20	\$0.00								
HS-	MS003	HS100 MEDICAL ASSISTING LAB AIR COMPRESSOR (FOR OXYGEN SIMULATION) REPLACEMENT.	210	2005			10	8	2	\$0.00								
HS-	MS004	HS100 MEDICAL ASSISTING LAB VACUUM PUMP REPLACEMENT (SOUTH WING).	210	2005			10	8	2	\$0.00								
HS-	MS005	NATP NURSING LAB VACUUM PUMP REPLACEMENT (NORTH WING).	210	2011			10	2	8	\$0.00								

### SCHOOLCRAFT COLLEGE; HEALTH SCIENCES CENTER (FORMERLY APPLIED SCIENCE) - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFERRED	MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022		2023
						Τ									T	1	
HS-	MS006	REPLACEMENT OF FIVE (5) INDOOR AIR HANDLING UNITS INSTALLED UNDER MECHANICAL SYSTEMS UPGRADE PROJECT.	UUU25	2008			10	5	5	\$0.00							
		REPLACEMENT OF OUTDOOR / SOUTH WING AIR HANDLING															
HS-	MS007	UNIT INSTALLED UNDER MECHANICAL SYSTEMS UPGRADE PROJECT (CLIMATECRAFT).	UUU25	2008			25	5	20	\$0.00							
HS-	MS008	REPLACEMENT OF WELDING LAB DIRECT-FIRED, ROOF-	210	2008	0	EA	25	5	20	\$0.00	\$ -	\$ -	ś -	\$ -	\$ -	Ś	
HS-	MS009	MOUNTED AIR HANDLING UNIT. ELIMNATED. REPLACEMENT OF METALLURGY LAB INTERIOR, SUSPENDED-	210	2003	0	EA	15	10	5	\$0.00	¢ .	\$ -	ś -	\$ -	۰ خ	Ś	
115	1113003	MAKE-UP AIR UNIT. ELIMINATED. METALLURGY LAB FUME HOODS. METALLURGY MOVED TO-	210	2003	0	LA	15	10		<i>\$</i> 0.00	Ý -	Ŷ	Ŷ	•	Ŷ	Ŷ	
HS-	MS010	METALLUKGY LAB FUME HOODS. METALLUKGY MOVED TO- "MEC" BUILDING IN 2020.	210	1965	0	EA	20	48	-28	\$0.00	\$ -	\$-	\$-	\$-	\$ -	\$	-
HS-	MS011	REPLACE OF FOUR (4) RETURN AIR FANS.	UUU25	2008	4	EA	20	5	15	\$6,075.00	\$ 24,300	\$ 27,045	\$ 27,532	\$ 28,028	\$ 28,532	\$	29,046
HS-	MS012	WELDING LAB EXHAUST FAN REPLACEMENTS. ELIMINATED.	210	2003	0	EA	15	10	5	\$0.00	\$ -	\$-	\$-	\$-	\$ -	\$	-
HS-	MS013	AIR-COOLED CHILLER REPLACEMENTS.	UUU20	2008	2	EA	20	5	15	\$143,775.00	\$ 287,550	\$ 320,037	\$ 325,798	\$ 331,662	\$ 337,632	\$	343,709
HS-	MS014	HEATING HOT WATER BOILER REPLACEMENTS.	UUU22	2008	2	EA	20	5	15	\$44,550.00	\$ 89,100	\$ 99,166	\$ 100,951	\$ 102,768	\$ 104,618	\$	106,501
HS-	MS015	CHILLED WATER SYSTEM PUMPS REPLACEMENT.	UUU20	2008	2	EA	20	5	15	\$31,725.00	\$ 63,450	\$ 70,618	\$ 71,890	\$ 73,184	\$ 74,501	\$	75,842
HS-	MS016	HEATING HOT WATER SYSTEM PUMPS REPLACEMENT.	UUU22	2008	2	EA	20	5	15	\$31,725.00	\$ 63,450	\$ 70,618	\$ 71,890	\$ 73,184	\$ 74,501	\$	75,842
HS-	MS017	DOMESTIC HOT WATER CIRCULATION PUMP REPLACEMENT.	UUU24	2008	1	EA	20	5	15	\$4,725.00	\$ 4,725	\$ 5,259	\$ 5,353	\$ 5,450	\$ 5,548	\$	5,648
HS-	MS018	ELECTRIC DUCT HEATER REPLACEMENTS.	UUU25	2008	10	EA	10	5	5	\$8,775.00	\$ 87,750	\$ 97,664	\$ 99,422	\$ 101,211	\$ 103,033	\$	104,888
HS-	MS019	CABINET UNIT HEATER REPLACEMENTS.	UUU25	2008	12	EA	20	5	15	\$6,075.00	\$ 72,900	\$ 81,136	\$ 82,597	\$ 84,083	\$ 85,597	\$	87,138
HS-	MS020	HOT WATER UNIT HEATER REPLACEMENTS.	UUU25	2008	2	EA	20	5	15	\$4,725.00	\$ 9,450	\$ 10,518	\$ 10,707	\$ 10,900	\$ 11,096	\$	11,296
HS-	MS021	VAV BOXES WITH ELECTRIC REHEAT REPLACEMENTS.	UUU25	2008	24	EA	20	5	15	\$6,075.00	\$ 145,800	\$ 162,272	\$ 165,193		\$ 171,194	\$	174,275
HS-	MS022	EXHAUST FAN REPLACEMENTS FOR THOSE INSTALLED UNDER	UUU25	2008	4	EA	20	5	15	\$4,725.00	\$ 18,900	\$ 21,035	\$ 21,414	\$ 21,799	\$ 22,192	Ś	22,591
		MECHANICAL SYSTEMS UPGRADE PROJECT.			•							. ,	. ,			Ş	
HS-	MS023	HVAC SYSTEMS CLEANING - SOUTH BUILDING.	UUU25	2000	46,000	SF	10	13	-3	\$1.15	\$ 52,900	\$ 58,877	\$ 59,936	\$ 61,015	\$ 62,113	\$	63,231
	MS024	HVAC SYSTEMS CLEANING - NORTH BUILDING.	UUU25	2010	24,000	SF	10	3	7	\$1.15	\$ 27,600	\$ 30,718	\$ 31,271	\$ 31,834	\$ 32,407	\$	32,990
	MS025	SUMP PUMP.	UUU16	2010			15	3	12	\$0.00							
HS-	MS026	JCI BUILDING CONTROL SYSTEM.	UUU06	2002	74,109	SF	15	11	4	\$6.08	\$ 450,583	\$ 501,489	\$ 510,516	\$ 519,705	\$ 529,060	\$	538,583
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$ 194,215	\$ 197,711	\$ 201,269	\$ 204,892	\$	176,307
HS-	ES001	BUILDING SERVICE TRANSFORMER. REPLACED 2020.	UUU04	2020			20	-7	27	\$0.00							
HS-	ES002	MAIN SWITCHBOARD.	UUU05	2008			20	5	15	\$0.00							
HS-	ES003	STANDBY GENERATOR (OLYMPIA). ELIMINATED 2016.	UUU25		1	EA				\$136,350.00							
HS-	ES004	STANDBY GENERATOR (CUMMINS). REPLACED 2016.	UUU25	2016			20	0	20	\$0.00							
HS-	ES005	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS). REPLACED 2016.	UUU25	2016			20	0	20	\$0.00							
HS-	ES006	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS). REPLACED 2016.	UUU25	2016			20	0	20	\$0.00							
HS-	ES007	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	1965	2	EA	20	48	-28	\$30,000.00	\$ 60,000	\$ 66,779	\$ 67,981	\$ 69,204	\$ 70,450	\$	71,718
HS-	ES008	VARIABLE FREQUENCY DRIVE (VFD).	UUU25	2008			15	5	10	\$0.00							
HS-	ES009	WELDING LAB VARIABLE FREQUENCY DRIVE. ELIMINATED	210	2003	0	0	15	10	5	\$0.00	\$ -	\$-	\$-	\$ -	\$ -	\$	-
HS-	ES010	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1965	1	LS	20	48	-28	\$74,000.00	\$ 74,000	\$ 82,360	\$ 83,843	\$ 85,352	\$ 86,888	Ś	88,452
HS-	ES010	EXTERIOR BUILDING MOUNTED LIGHTING. COMPLETED 2021.	UUU25	2021	22	EA	20	0	20	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
HS-	ES012	EXIT LIGHTING. ADDRESSED 2021 - 2022.	W06	2022			20	0	20	\$0.00						+	
	ES012	CORRIDOR LIGHTING. ADDRESSED 2021 - 2022.	W06	2022			20	0	20	\$0.00						+	
		CLASSROOM LIGHTING. VARIOUS LOCATIONS UPGRADED 2021 -														+	
HS-	ES014	2022.	110 AND 210	2022			20	0	20	\$0.00							
HS-	ES015	OFFICE LIGHTING. VARIOUS LOCATIONS UPGRADED 2021 - 2022.	310	2022			20	0	20	\$0.00							
HS-	ES016	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	1965	1	LS	20	48	-28	\$13,500.00	\$ 13,500	\$ 15,025	\$ 15,296	\$ 15,571	\$ 15,851	\$	16,137

### SCHOOLCRAFT COLLEGE; HEALTH SCIENCES CENTER (FORMERLY APPLIED SCIENCE) - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM				DEFERRED	MAINTENANCE I	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020	2021	2022		2023
HS-	ES017	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS). VARIOUS LOCATIONS UPGRADED 2021 - 2022.	110 AND 210	2022			20	0	20	\$0.00								
HS-	ES018	VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS). COMPLETED 2021 - 2022.	W05 AND W06	2022	0	LS	20			\$0.00	\$-	\$	-	\$-	\$-	\$	- \$	-
HS-	ES019	DATA CENTER ELECTRICAL SERVICE EQUIPMENT.	710	2010			20	3	17	\$0.00								
HS-	ES020	POWER BUSWAYS. REMOVED IN 2021.	UUU05	1965	1	LS	20	48	-28	\$27,000.00	\$ 27,000	\$ 30,0	50	\$ 30,591	\$ 31,142	\$ 31,70	)3 \$	-
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)						-				\$ 300,6	44	\$ 306,056	\$ 311,565	\$ 317,17	3\$	322,882
HS-	- BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS. COMPLETED 2021 - 2022.	UUU07	2021 - 2022			20			\$0.00	-							
HS-	BS002	FIRE ALARM DEVICES. COMPLETED 2021 - 2022.	UUU07	2021 - 2022			20		-	\$0.00	-							
HS-	BS003	BOILER EPO SYSTEM.	Y04	2008			20	5	15	\$0.00								
HS-	BS004	CONVERSION TO PRIMAX CLOCK SYSTEM. STARTED 2021.	UUU25	1965	1	LS	20	48	-28	\$65,030.00	\$ 65,030	\$ 72,3		\$ 73,680	\$ 75,006			77,731
HS-	BS005	CLOCK SYSTEM.	UUU25	1972	1	LS	20	41	-21	\$65,030.00	\$ 65,030	\$ 72,3	77	\$ 73,680	\$ 75,006	\$ 76,3	56 \$	77,731
HS-	BS006	SECURITY SURVEILLANCE SYSTEM. COMPLETED 2021 - 2022.	UUU14	2021 - 2022			20			\$0.00								
HS-	- BS007	SECURITY ACCESS SYSTEM. COMPLETED 2021 - 2022.	GALAXY PANEL AND AS810 INSTALLED. 2017 - CARD ACCESS ADDED TO IT CLOSETS. 2017 - ADDED DEAN'S OFFICE & AS162 CODE BLUES PANIC	2021 - 2022	-		20	-		\$0.00	-							
HS-	BS008	LIGHTNING PROTECTION SYSTEM.	UUU25	NONE	1	LS	20			\$140,066.00	\$ 140,066	\$ 155,8	90	\$ 158,696	\$ 161,553	\$ 164,46	51 \$	167,421
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$ -		\$ -	\$ -	\$ -	\$	-
HS-	- SE001	WELDING LAB DUST COLLECTOR MAINTENANCE/REPLACEMENT. METALLURGY MOVED TO "MEC" BUILDING IN 2020.	210	2020	0	LS	20	-7	27	\$54,000.00	\$-	\$	-	\$-	\$-	\$	- \$	-
HS-	- SE002	EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH CURRENT COLLEGE BRANDING STANDARDS). COMPLETED 2021	. SSS16	2021	0	LS	25			\$43,200.00	\$-	\$	-	\$-	\$ -	\$	- \$	-
HS-	- SE003	METALLURGY LABORATORY FUME HOOD- MAINTENANCE/REPLACEMENTS. METALLURGY MOVED TO- "MEC" BUILDING IN 2020.	210	2020	0	LS	20	-7	27	\$35,775.00	\$-	\$	-	\$-	\$ -	\$	- \$	-
		ACCESSIBILITY IMPROVEMENTS										\$ 10,1	42	\$ 10,325	\$ 10,510	\$ 10,70	0 \$	10,892
HS-	AI001	EAST COURTYARD REPLACEMENT OF ASPHALT PAVING WITH DIVETS TO CONCRETE PAVED ADA WHEELCHAIR PATH. COMPLETED 2021.	SSS18	2021	0	SF	15			\$9.45	\$-	\$	-	\$-	\$ -	\$	- \$	-
HS-	- AI002	ADA LIFT REPLACEMENT / RECONFIGURATION; SUCH AS LIFT TO ELEVATOR OR LIFT TO WHEELCHAIR RAIL SYSTEM PARALLEL TO EXISTING STAIRS THAT ARE ADJACENT TO WHEEL CHAIR LIFT. ELIMINATED FOR WHEELCHAIR RAMP.	W02	N/A	0	EA	20			\$27,000.00	\$ -	\$	-	\$-	\$ -	\$	- \$	-
HS-	- AI003	DISPLAY CASE CONSTITUTES PROTRUDING OBJECT	W06	2000	8	SF	40	13	27	\$126.56	\$ 1,012	\$ 1,1	27	\$ 1,147	\$ 1,168	\$ 1,18	39 \$	1,210
HS-	AI004	BF ACCESSIBLE DRINKING FOUNTAINS. INSTALLED ONE (1) BF COMPLIANT DRINKING FOUNTAIN AT SW CORNER OF SOUTH WING.		VARIOUS W/ 2020 REPLACEMENT AT SW LOCATION	2	EA	20			\$4,050.00	\$ 8,100	\$ 9,0	15	\$ 9,177	\$ 9,343	\$ 9,5:	11 \$	9,682

#### SCHOOLCRAFT COLLEGE; JEFFRESS CENTER - SCHEDULED MAINTENANCE PROGRAM

		PROGRAM - YEAR ZERO:	2013		1	VFLATI	ON RAT	E (%):	1.8%			[		LEGEN	ND	1			
			·																
			BUILDING									1	AVG: AVERAGE			1			
	BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	AREA (GSF)										CF: CUBIC FEET						
	JEFFRESS CENTER (FORMERLY 7 MILE BUILDING)		111,622										CY: CUBIC YAR	DS					
	WINGS A AND B	1980											EA: EACH						
	WING C	1985											EUL: ESTIMATE						
							TEM NO	<mark>). COD</mark> I	ES				GSF: GROSS SC						
			YEAR: 2023									k	LOC: LOCATION		/BLDG)				
	MAINTENANCE BACKLOG		\$ 1,002,462				TY IMPRO	OVEMEN	іт				PV: PRESENT V						
		LUE FOR THE BUILDING:	\$ 34,024,700		BE: BUIL							ŀ	RUL: ESTIMATE		FUL LIFE				
	FACILITY	CONDITION INDEX (FCI):	3%		BI: BUILI							H	SF: SQUARE FE			-			
					BS: BUIL								SY: SQUARE YA	RDS					
			BUILDING		ES: ELEC							L	YRS: YEARS						
	Schoolcraft College	FCI	CONDITION				AL SYSTE	M											
	College	FCI < 5%	GOOD		PS: PLUN	VIBING	SYSTEM						REMAINING US	EFUL L	LIFE (RUL) BARON	<b>JETER</b>			
	College	5%< FCI< 10%	FAIR		SG: SITE	GROUN	IDS							RI	UL = 1 YEAR OR	د LESS			
		10% < FCI	POOR		SE: SPEC	IALTY E	QUIPME	NT						RI	UL = 5 YEARS				
														RI	UL = 10 YEARS	OR GF	<b><i>REATER</i></b>		
			YEAR ITEM			AVG	TIME		ITEM				DEFER		AINTENANCE I	PLAN	YEAR		
ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM		IN USE	RU	UNIT	ITEM	e		7		8		9		10
	ITEM	CODE	INTO SERVICE						COST	FIRST COST	20		2020		2021		2022		2023
LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(TRS)	(YRS)	(TRS)	031	FIRST COST	20	.9	2020		2021		2022		2023
	BUILDING ENVELOPE (includes items exterior to building)										\$ 1	22,208	\$ 124,4	)8 \$	\$ 126,647	\$	128,927	\$	131,248
JC- BE001	METAL WALL PANELS	MMM16	2014	15	EA	50	0	50	\$1,350.00	\$ 20,250	\$	-	\$	- \$	\$-	\$	-	\$	-
JC- BE002	METAL WALL PANEL SEALANT REPLACEMENT	MMM16	2014	1	LS	25	0	25	\$381,456.00	\$ 381,456	\$	-	\$	- \$	\$ -	\$	-	\$	-
JC- BE003	ENTRANCE DOOR REPLACEMENTS	W05 AND W06	2014	3	EA	25	0	25	\$2,120.00	\$ 6.360	Ś	-	Ś	- \$	ś -	\$	-	\$	-
JC- BE004	METAL WALL PANEL SOFFIT VENT REPLACEMENT	MMM16	2014	15	EA	50	0	50	\$540.00		Ś	-	Ś	- 4	•	Ś	-	Ś	
JC- BE005	ROOF SCREEN WALL MAINTENANCE	MMM16	1985	300	SF	25	28	-3	\$42.00		· ·	14,024	\$ 14,2	76 \$	\$ 14,533	\$	14,795	\$	15,061
	DOCK LIFT MAINTENANCE - ELIMINATED	W04		1	EA	15		-13	\$21,600.00				\$ 24,4		, ,		25,362	-	25,819
				_									. ,						
JC- BE007	LOADING DOCK CONCRETE WALL REPLACEMENT - REPAIRED	W04	2017	30	LF	25	0	-3	\$63,788.00	\$ 1,913,640	\$	70,995	\$ 72,2	73 \$	\$ 73,573	\$	74,898	\$	76,246
JC- BE008	METAL FLASHING REPAIR	MMM16	1985	5	LF	20	28	-8	\$2,363.00	\$ 11,815	\$	13,150	\$ 13,3	87 \$	\$ 13,627	\$	13,873	\$	14,122
	BUILDING INTERIOR										\$	1,803	\$ 1,8	35 \$	\$ 1,869	\$	1,902	\$	1,936
JC- BI001	STAIR WINDOW SAFETY IMPROVEMENTS	W07	1985	3	EA	50	28	22	\$540.00	\$ 1,620	\$	1,803	\$ 1,8	35 \$	1,869	\$	1,902	\$	1,936
JC- BI002	STAIR ENCLOSURE IMPROVEMENTS	W08	2014			50	0	50	\$0.00									1	
	PLUMBING SYSTEMS (may be packaged with BI item scope)										\$	-	\$ -	5	\$ -	\$	-	\$	-
	NONE				TT	1				Ś -						-		1	
	MECHANICAL SYSTEMS (may be packaged with BI item scope)		·							Ŧ	\$ 6	29,105	\$ 640,4	29 \$	651,957	Ś	663,692	\$	675,639
JC- MS001	A/B WING CHILLER.	UUU20	1985	1	EA	20	28	-8	\$303,750.00	\$ 303,750	Ś	-	\$	- 5		Ś		Ś	
	DEMOLISH AHU-1 HUMIDIFIER	UUU25	2014	1	EA	0	0	0	\$1,000.00		Ś	-	Ś	- 5	r	Ś		Ś	
JC- MS003	CHW PUMPS.	UUU20	1985	2	EA	20	28	-8	\$31,725.00	÷ =,000	\$		\$ 71,8			<u> </u>	74,501		75,842
JC- MS004	BOILER STACKS.	UUU22	1985	3	EA	25	28	2	\$13,500.00		ş Ş	45,076	\$ 45,8		\$ 73,184	ب د	47,554	_	48,410
JC- MS004	BUILDING CONTROLS.	UUU06	2014	1	LOT	20	0	20	\$408,375.00		ş Ś	-3,070	\$ 45,6 \$	- 5		ې Ś	77,354	ې د	40,410
					-			20				-			r	Ŧ	122,451	Ŷ	124.000
JC- MS006	A/B WING BOILERS.	UUU22	1985	3	EA	20	28	-8	\$34,762.50		•	,	\$ 118,1		. ,				124,655
JC- MS007	C WING BOILERS.	UUU22	1985	2	EA	20	28	-8	\$48,262.50	+/		07,430	\$ 109,3		,	\$	113,337	_	115,377
JC- MS008	C WING CHILLER.	UUU20	2013	1	EA	20	0	20	\$287,250.00		\$	-	\$	- \$		\$		\$	
JC- MS009	CHW PUMPS.	UUU20	2014	2	EA	20	0	20	\$21,262.50	+/	\$	-	\$	- \$	F	\$	-	\$	
JC- MS010	DOMESTIC WATER BOOSTER PUMP.	UUU24	1985	1	EA	10	28	-18	\$14,512.50	\$ 14,513			\$ 16,4			\$	17,040	_	17,347
JC- MS011	CABINET UNIT HEATER.	UUU25	1985	1	EA	25	28	-3	\$2,295.00	÷ =,=>0	\$	,	\$ 2,6		7-	\$	2,695	-	2,743
JC- MS012	FIN TUBE RADIATION.	UUU22	2014	100	LF	25	0	25	\$108.00	\$ 10,800	\$	-	\$	- \$	\$-	\$	-	\$	
JC- MS013	AHU-1 AND AHU-2 - A/B WING.	UUU25	1985	2	EA	40	28	12	\$35,775.00	\$ 71,550	\$	79,634	\$ 81,0	67 \$	\$ 82,526	\$	84,012	\$	85,524
JC- MS014	AHU-B.	UUU25	1985	1	EA	40	28	12	\$35,775.00	\$ 35,775	\$	39,817	\$ 40,5	33 \$	\$ 41,263	\$	42,006	\$	42,762
JC- MS015	AHU-1.	UUU25	1985	1	EA	40	28	12	\$35,775.00	\$ 35,775	\$	39,817	\$ 40,5	33 \$	\$ 41,263	\$	42,006	\$	42,762

#### SCHOOLCRAFT COLLEGE; JEFFRESS CENTER - SCHEDULED MAINTENANCE PROGRAM

IC       Mory Auu-S.       UUU-DS       1985       1       FA       A0       A0<				YEAR ITEM			AVG	TIME		ITEM				DEFERRE		PLAN	YEAR		
Construction         Construction<	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7	8		9		10
C       Mory Anu-3.       UUL05       1986       1       FA       40       28       28       28       28       28       277.8       5       278.8       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       278.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       778.0       5       7	LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020	2021		2022	2	2023
I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	JC- MS016	AHU-2.	UUU25	1985	1	EA	40	28	12	\$35,775.00	35,775	\$ 39.8	17 Ś	40.533	\$ 41,263	Ś	42.006	Ś	42,762
In       In <th< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td>,</td><td></td><td>,</td><td>,</td><td>Ś</td><td></td><td>Ś</td><td>42,762</td></th<>		-							_			,		,	,	Ś		Ś	42,762
Inc.       Model       UUUS       1985       1       6       7       8       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       7.735       <						-			_			,		-	,	Ś		Ś	26,625
LLCTRCGL SYSTEMS Inny's package with ill mon seque         V         V         V         S         180, 90         S         90, 31         S         91, 74         S         93, 40         S         93		-			1				-3						. ,	Ś		Ś	8,068
Is of Los of Sector Description Relation Relatin Relation Relation Relation Relation Rela						1									. ,	\$	-	\$	193,639
I       Disk       L       Disk       D	JC- ES001	BUILDING SERVICE TRANSFORMER T-1. ELIMINATED IN 2017.	UUU04		1	EA	20		-8	\$101,250.00	i 101,250					ľ			
IC       Early MAR SWITCHARDAR MSR-2.       ULUD5       1985       1       F.A.       20.       28.       59.10000       \$9.1000       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74       \$9.91,74	JC- ES002		UUU04	2017	1	EA	20	0	-8	\$101,250.00	<b>101,250</b>								
IC       EOS       STANDEY GENERATOR.       UUU25       1985        -       20       28       90.00       -       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	JC- ES003	MAIN SWITCHBOARD MSB-1.	UUU05	1985	1	EA	20	28	-8	\$81,000.00 \$	81,000	\$ 90,3	51 \$	91,774	\$ 93,426	\$	95,108	\$	96,819
IC       ESOND       UE       SARTY AUTOMATIC TRANSFER SWITCH (TATS).       UUU25       1985         15       280       50.00        IC       S000       IC	JC- ES004	MAIN SWITCHBOARD MSB-2.	UUU05	1985	1	EA	20	28	-8	\$81,000.00 \$	81,000	\$ 90,3	51 \$	91,774	\$ 93,426	\$	95,108	\$	96,819
Ic       Essoi       FTANDRY POWER SYSTEMS AUTOMATC TRANSFER SWITCH TAS).       UUU25       1985       -       -       15       28       10       Stold       -       Image: Constraint of the system o	JC- ES005	STANDBY GENERATOR.	UUU25	1985			20	28	-8	\$0.00									
Ic       Lot       Lo	JC- ES006	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	1985			20	28	-8	\$0.00									
InC.       Excoor       VARIABLE PREQUENCY DEVE (PMV)STARTERS.       UUU25       2014       8       FA       20       0       00       5,75000       5       5,000       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	JC- ES007		UUU25	1985			15	28	-13	\$0.00									
ICC E Stoll LIGHTING AND RECEPTACLE PARLEBARDOS.       UUUDS       1985       -       -       -       20       28       8       SOOD       -       -       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C <thc< th="">       C       C       C&lt;</thc<>	JC- ES008	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	1985			20	28	-8	\$0.00									
IC       ESCI1       EXTENDE BUILDING MOUNTED LIGHTING.       UUU25       2014         20       0       20       S0.00        Image: Construction of the construling of the construling of the construling	JC- ES009	VARIABLE FREQUENCY DRIVE (VFD)/STARTERS.	UUU25	2014	8	EA	20	0	20	\$6,750.00 \$	54,000	\$	- \$	-	\$ -	\$	-	\$	-
1C       ES012       EXIT LIGHTING.       W06       2014        -       20       00       20       50.00        -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       1       -       -       1       0       20       50.00        -       -       1       -       -       2       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>JC- ES010</td> <td>LIGHTING AND RECEPTACLE PANELBOARDS.</td> <td>UUU05</td> <td>1985</td> <td></td> <td></td> <td>20</td> <td>28</td> <td>-8</td> <td>\$0.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	JC- ES010	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1985			20	28	-8	\$0.00									
I.C.       ES013       CORRIDOR LIGHTING.       WOS AND WO6       2014         20       0       20       50.00        Image: Construction of the construction of th	JC- ES011	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2014			20	0	-8	\$0.00									
I.C.       ES014       GENERAL AREA LIGHTING.       650       2014         20       0       20       \$0.00        Image: Constraint of the constraint of th	JC- ES012	EXIT LIGHTING.	W06	2014			20	0	20	\$0.00									
J.C.       ESD15       OFFICE LIGHTING.       310       2014       -       -       20       0       20       50.00       -       Image: Constraint of the second sec	JC- ES013	CORRIDOR LIGHTING.	W05 AND W06	2014			20	0	20	\$0.00									
J.C.       ESD16       STORAGE AND UTILITY ROOM LIGHTING.       XD1 AND YO4       2014         20       0       20       \$0.00        Image: Constraints of the second s	JC- ES014	GENERAL AREA LIGHTING.	650	2014			20	0	20	\$0.00									
LC       ES017       VACANCY SENSOR LIGHTING CONTROLS.       110, 210, W05 AND W06       2014         20       0       20       \$0,00                                                                                             20       0       20       5           20       0       20       5	JC- ES015	OFFICE LIGHTING.	310	2014			20	0	20	\$0.00									
IC       Solid       VACANCY Sensor Lightling. CON IRGLS.       MOG       2014         20       0       20       Solid         20       0       20       Solid           20       0       20       Solid         Solid         Solid         Solid         Solid         Solid       Solid        Solid       Solid        Solid       Solid        Solid       Solid        Solid       Solid        Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid       Solid	JC- ES016	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	2014			20	0	20	\$0.00									
BULDING SYSTEMS (fire, security, IT/media infrastructure)         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$	JC- ES017	VACANCY SENSOR LIGHTING CONTROLS.		2014				0											
IC       BSOD       FIRE ALARM SYSTEM MAN PAREL       UUU07       2022       -       -       20       0       20       \$0.00       -       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <th0< td=""><td>JC- ES018</td><td>EXTERIOR SITE LIGHTING.</td><td>UUU10</td><td>2014</td><td></td><td></td><td>20</td><td>0</td><td>20</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th0<>	JC- ES018	EXTERIOR SITE LIGHTING.	UUU10	2014			20	0	20	\$0.00									
IC       BS002       FIRE ALARM DEVICES.       UUU07       2014         20       0       20       \$0.00        IC       IC <thic< th="">       IC       IC</thic<>		BUILDING SYSTEMS (fire, security, IT/media infrastructure)					-	-				\$ ·	\$		\$-	\$	-	\$	-
IC       BS003       BOILER ROOM EPO SYSTEM.       Y04       2014         20       0       20       \$0.00        IC       IC <td>JC- BS001</td> <td>FIRE ALARM SYSTEM MAIN PANEL.</td> <td>UUU07</td> <td>2022</td> <td></td> <td></td> <td>20</td> <td>0</td> <td>20</td> <td>\$0.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	JC- BS001	FIRE ALARM SYSTEM MAIN PANEL.	UUU07	2022			20	0	20	\$0.00									
IC       BS004       CLOCK SYSTEM.       UUU25       2014         20       0       20       \$0.00        IC	JC- BS002	FIRE ALARM DEVICES.	UUU07	2014			20	0	20	\$0.00									
IC       BS005       SECURITY SURVEILLANCE SYSTEM.       UUU14       2014         20       0       20       \$0.00        IC       IC <thic< th="">       IC       IC       <th< td=""><td>JC- BS003</td><td>BOILER ROOM EPO SYSTEM.</td><td>Y04</td><td>2014</td><td></td><td></td><td>20</td><td>0</td><td>20</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<></thic<>	JC- BS003	BOILER ROOM EPO SYSTEM.	Y04	2014			20	0	20	\$0.00									
JC-       BS006       SECURITY ACCESS SYSTEM. COMPLETED 2021.       UUU14       2021         20       0       20       \$0.00        I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I <thi< td=""><td>JC- BS004</td><td>CLOCK SYSTEM.</td><td>UUU25</td><td>2014</td><td></td><td></td><td>20</td><td>0</td><td>20</td><td>\$0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thi<>	JC- BS004	CLOCK SYSTEM.	UUU25	2014			20	0	20	\$0.00									
JC       BS07       LIGHTNING PROTECTION SYSTEM       UUU25       2014         20       0       20       \$0.00        I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       <	JC- BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2014			20	0	20	\$0.00									
SPECIALTY EQUIPMENT (food service, theatre, labs, shops)         JC-       SE001       EAST PASSENGER ELEVATORS       W02       2014       1       LS       25       0       25       \$350,000.0       \$350,000.0       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       >       >       > <td>JC- BS006</td> <td>SECURITY ACCESS SYSTEM. COMPLETED 2021.</td> <td>UUU14</td> <td>2021</td> <td></td> <td></td> <td>20</td> <td>0</td> <td>20</td> <td>\$0.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	JC- BS006	SECURITY ACCESS SYSTEM. COMPLETED 2021.	UUU14	2021			20	0	20	\$0.00									
JC-       SEO01       EAST PASSENGER ELEVATORS       W02       2014       1       LS       25       0       25       \$ 350,000       \$ 350,000       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -       \$ -	JC- BS007	LIGHTNING PROTECTION SYSTEM	UUU25	2014			20	0	20	\$0.00									
ACCESSIBILITY IMPROVEMENTS       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$ ·	\$	-	\$ -	\$	-	\$	-
JC-       AIO1       DOOR HARDWARE REPLACEMENTS       110, 310, 350, 410, 50, 680, W05, W06, W07, X02, X03 AND Y04       2014       30       EA       20       0       20       \$743.00       \$ 22,290       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$	JC- SE001	EAST PASSENGER ELEVATORS	W02	2014	1	LS	25	0	25	\$350,000.00 \$	350,000	\$	- \$	-	\$-	\$	-	\$	-
JC-       AI01       DOOR HARDWARE REPLACEMENTS       650, 680, W05, W06, W07, X02, X03 AND Y04       30       EA       20       0       20       \$100       \$22,290       \$       -       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$		ACCESSIBILITY IMPROVEMENTS										\$ ·	\$	-	\$-	\$	-	\$	-
JC-       A1003       STAIR HANDRAIL IMPROVEMENTS       W07       1985         25       28       26       \$0.00         0         0       25       28       26       \$0.00         0         1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000	JC- AI001	DOOR HARDWARE REPLACEMENTS	650, 680, W05, W06,	2014	30	EA	20	0	20	\$743.00 <b>\$</b>	\$ 22,290	\$	- \$	-	\$ -	\$	-	\$	-
	JC- AI002	WEST PASSENGER ELEVATOR IMPROVEMENTS	W02	2014	1	LS	20	0		\$80,000.00	80,000	\$	- \$	-	\$ -	\$	-	\$	-
ANNUAL FUNDING REQUIREMENTS (ROUNDED): \$ 933.419 \$ 950.221 \$ 967.325 \$ 984.737 \$ 1.002	JC- AI003					-		28	26							1		·	
		·		·							TS (ROUNDED):	\$ 933.4	19 Ś	950,221	\$ 967,325	\$	984,737	\$ 1	,002,462

#### SCHOOLCRAFT COLLEGE; LIBERAL ARTS - SCHEDULED MAINTENANCE PROGRAM

	SCHEDULED MAINTENANCE	PROGRAM - YEAR ZERO:	2013		-	NFLAT	ION RAT	<mark>E (%):</mark>	1.8%				LEGI	END				
															_			
	BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	BUILDING AREA (GSF)										AVERAGE JBIC FEET		-			
	LIBERAL ARTS (CLASSROOM)	BUILDING AGE (TRS)	45,475										JBIC YARDS		-			
	LIBERAL ARTS - ORIGINAL	1967	40,071									EA: EA			1			
	LIBERAL ARTS - SOUTH ADDITION	1972	5,404									EUL: E	STIMATED US	SEFUL LIFE	1			
							ITEM NO	). COD	ES			GSF: 0	GROSS SQUAR	E FEET				
			YEAR: 2023									LOC: I	OCATION (SI	re/BLDG)				
	MAINTENANCE BACKLO	OG VALUE FOR BUILDING:	\$ 1,978,230		AI: ACC	ESSIBIL	ITY IMPR	OVEME	INT			PV: PI	RESENT VALUI	E				
	REPLACEMENT V	ALUE FOR THE BUILDING:	\$ 15,891,800		BE: BUI	LDING	EXTERIOR	1				RUL: I	ESTIMATED US	SEFUL LIFE				
	FACILITY	CONDITION INDEX (FCI):	12%		BI: BUII	LDING I	NTERIOR					SF: SC	UARE FEET		1			
					BS: BUI	LDING	SYSTEM					SY: SC	UARE YARDS					
			BUILDING		ES: ELE	CTRICA	L SYSTEM					YRS: Y	'EARS					
	A Schooleroft	FCI	CONDITION		MS: ME	CHANI	CAL SYSTE	M										
	Schoolcraft College	FCI < 5%	GOOD				SYSTEM					REMA	INING USEFU	L LIFE (RUL) BARO	METER			
	College	5%< FCI< 10%	FAIR		SG: SITI									RUL = 1 YEAR OI				
	-	10% < FCI	POOR				EQUIPME	NT						RUL = 5 YEARS				
		10/0 N FCI	TOON		01. 01 L		-401111							RUL = 10 YEARS	OR GR	EATER		
			YEAR ITEM				TIME		ITEM					MAINTENANCE	PLAN	YEAR		
ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6		7	8		9		10
LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		2020	2021		2022		2023
	BUILDING ENVELOPE (includes items exterior to building)		г – Г		-						\$ 36,334	Ş	36,988	\$ 37,654	Ş	38,332	Ş	39,022
LA- BE001	EXTERIOR SOFFIT, FASCIA, AND WINDOW/DOOR HEADER PAINTING.	MMM16	2020	0	EA	15	0	15	\$9,250.00	\$ -	\$-	\$	-	\$-	\$	-	\$	-
LA- BE002	SLIDER DOOR MAINTENANCE / REPLACEMENT. THESE DOORS WERE REPLACED IN 2019.	W06	2019			15			\$0.00									
LA- BE003	EXTERIOR SEALANT MAINTENANCE.	MMM16	VARIOUS	600	LF	20			\$4.73	\$ 2,838	\$ 3,159	Ś	3,215	\$ 3,273	Ś	3,332	Ś	3,392
LA- BE004	STEEL DOOR REPLACEMENT AT EAST CUSTODIAL CLOSET.	X01	1967	1	EA	20	46	-26	\$2,808.00	\$ 2,808	\$ 3,125	Ś	3,181	\$ 3,239	_	3,297	Ś	3,356
	REPAINTING OF ROOF-MOUNTED AIR HANDLING UNIT AND							_			. ,			. ,		,	Ť	,
LA- BE005	ASSOCIATED DUCTWORK.	UUU25	2005	1	EA	15	8	7	\$13,500.00	\$ 13,500	\$ 15,025	Ş	15,296	\$ 15,571	\$	15,851	Ş	16,137
LA- BE006	SLOPED/MEZZ MECHANICAL ROOM SINGLE-PLY MEMBRANE REROOFING.	MMM16	2000			25	13	12	\$0.00									
LA- BE007	STANDING SEAM METAL REROOFING.	MMM16	2000			50	13	37	\$0.00									
LA- BE008	FLAT SINGLE-PLY MEMBRANE REROOFING.	MMM16	2006			25	7	18	\$0.00									
LA- BE009	EXTERIOR DOOR MAINTENANCE/REPLACEMENTS.	W05 AND W06	2006			25	7	18	\$0.00									
LA- BE010	EXTERIOR WINDOW MAINTENANCE/REPLACEMENT.	110, 310, W05 AND W06	2006			30	7	23	\$0.00									
LA- BE011	CLEAN EXTERIOR BRICK EFFLORESCENCE.	MMM16	1967	0	0	15	46	-31	\$0.00	<b>\$</b> -	\$-	\$	-	\$-	\$	-	\$	-
LA- BE012	IMPROVE ACCESS TO ROOF MECHANICAL UNIT.	Y04	1967	1	LS	20	46	-26	\$13,500.00	\$ 13,500	\$ 15,025	\$	15,296	\$ 15,571	\$	15,851	\$	16,137
	BUILDING INTERIOR				1						\$ 518,180	Ś	527,507	\$ 537,002	\$	546,668	Ś	556,508
LA- BIO01	REPLACEMENT OF LIBERAL ARTS INTERIOR DOOR AND DOOR HARDWARE REPLACEMENTS.	110 AND 310	VARIOUS	65	EA	50			\$1,350.00	\$ 87,750	\$ 97,664	\$	99,422		\$	103,033	\$	104,888
LA- BI002	CORRIDOR BRICK CLEANING.	W06	1967	200	SF	20	46	-26	\$1.89	\$ 378	\$ 421	\$	428	\$ 436	\$	444	\$	452
LA- BI003	REPLACE CORRIDOR BENCHES AND BOOTHS WITH POWER FOR LAPTOPS INCLUDED.	W05	VARIOUS	8	EA	20			\$4,050.00	\$ 32,400	\$ 36,060			\$ 37,370		38,043	\$	38,728
LA- BI004	CORRIDOR CEILING AND LIGHTING UPGRADE.	W05 AND W06	2000	11,000	SF	35	13	22	\$5.67	\$ 62,370	\$ 69,416	\$	70,666	\$ 71,938	\$	73,233	\$	74,551
LA- BI005	TOILET ROOM UPGRADES; INCLUDING EXPANSION OF CENTRAL TOILET ROOMS AND ADA COMPLIANCE IMPROVEMENTS.	X03	VARIOUS	880	SF	25					\$ 52,889		53,841	. ,		55,796	\$	56,801
LA- BIOO6	INTERIOR WOOD DOOR AND DOOR HARDWARE REPLACEMENTS.	110 AND 310	VARIOUS	12	EA	50			\$877.50	\$ 10,530	\$ 11,720	\$	11,931	\$ 12,145	\$	12,364	\$	12,587
LA- BI007	THEATRE STAGE/BACKSTAGE IMPROVEMENTS/UPGRADES.	590	VARIOUS	1	LS				\$0.00	\$ -	\$ -	Ś	-	\$ -	Ś	-	Ś	-
LA- BIO08	INSTALL PERMANENT STEEL STAIR TREADS FOR MEZZANINE MECHANICAL ROOM DOOR TO ROOF.	Y04	NONE	1	EA	40			\$13,500.00	\$ 13,500	\$ 15,025	Ŧ	15,296	\$ 15,571		15,851	\$	16,137
	MECHANICAL NOOM DOON TO NOUP.	110, 210, 310, 590, W05,	VARIOUS		1				\$0.00			1			1			

#### SCHOOLCRAFT COLLEGE; LIBERAL ARTS - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFERR	ED MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM	6	7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022		2023
LA-	BI010	FLOOR FINISH UPDATES - ALLOWANCE. 2019 CARPET REPLACEMENTS WERE PERFORMED IN LA240, LA330, LA410, LA415, LA420, LA465, & LA470.	110, 210, 310, 590, W05, W06 AND X03	VARIOUS						\$0.00	-						
LA-	BI011	ACOUSTICAL CEILING PANEL REPLACEMENT.	110, 210, 310, 590, W05, W06 AND X03	VARIOUS	12,500	SF	35			\$3.65	\$ 45,625	\$ 50,780	\$ 51,69	4 \$ 52,624	\$ 53,57	1\$	54,536
LA-	BI012	ACOUSTICAL CEILING UPGRADE.	590	1967	1,750	SF	35	46	-11	\$4.32	\$ 7,560	\$ 8,414	\$ 8,56	5 \$ 8,720	\$ 8,87	7\$	9,036
LA-	BI013	CORRIDOR DOORS HARDWARE UPGRADE.	110	VARIOUS	10	EA	50			\$405.00	\$ 4,050	\$ 4,508	\$ 4,58	9 \$ 4,671	\$ 4,75	5\$	4,841
LA-	BI014	CORRIDOR BENCHES UPGRADE.	W06	VARIOUS	80	LF	20			\$452.25	\$ 36,180	\$ 40,268	\$ 40,99	2 \$ 41,730	\$ 42,48	1\$	43,246
LA-	BI015	ENTRANCE MATS AT EXTERIOR DOORS. (SOUTH ENTRANCE DONE 2017)	W06	2008	360	SF	5	5	0	\$62.10	\$ 22,356	\$ 24,882	\$ 25,33	\$ 25,786	\$ 26,25	0\$	26,722
LA-	BI016	CARPET REPLACEMENT.	110 AND 310	VARIOUS	13,450	SF	15			\$7.09	\$ 95,361	\$ 106,134	\$ 108,04	5 \$ 109,989	\$ 111,96	9\$	113,985
LA-	BI017	DOOR THRESHOLD MAINTENANCE.	W06	2017	1	EA	25	0		\$5,562.00	\$-	\$-	\$	- \$ -	\$	- \$	-
		PLUMBING SYSTEMS (may be packaged with BI item scope)										\$-	\$-	\$ -	\$-	\$	-
LA-	PS001	INVESTIGATE THEATRE STORM DRAINAGE PIPING WITH INTENT TO ELIMINATE POSSIBILITY OF SANITARY DRAINAGE BACK-UP INTO THEATRE AS OCCURRED IN 2010. COMPLETED	590	2018 - SUMP PIT WAS CREATED.	1	LS	25			\$0.00	\$-	\$-	\$	-\$-	\$	- \$	-
LA-	PS002	TOILET ROOM FIXTURES.	X03	VARIOUS			40			\$0.00							
2.7 1	10002	MECHANICAL SYSTEMS (may be packaged with BI item scope)		1111000			10			çoloo		\$ 719.852	\$ 732,80	\$ 746,000	\$ 759,42	8 Ś	773,098
LA-	MS001	REPLACE TOILET ROOM EXHAUST FAN EF-1.	X03	1967	1	EA	20	46	-26	\$7,087.50	\$ 7.088	\$ 7,888	\$ 8,03			-	8,472
LA-	MS002	REPLACE RETURN AIR FAN RAF-1.	UUU25	1967	1	EA	20	46	-26	\$11,137.50	\$ 11,138	\$ 12,396	\$ 12,61	. ,			13,313
LA-	MS003	ELIMINATE REDUNDANT HEATING AND COOLING COIL SHUT- OFFS CONVERTING REMAINING GATE VALVES TO QUARTER- TURN BALL VALVES.	UUU25	1967	4	EA	25	46	-21	\$607.50	\$ 2,430	\$ 2,705					2,905
LA-	MS004	CHILLED WATER DISTRIBUTION PUMP MAINTENANCE/REPLACEMENTS.	UUU20	2005			20	8	12	\$0.00							
LA-	MS005	BOILER CIRCULATING WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU22	2005			20	8	12	\$0.00							
LA-	MS006	BUILDING HEATING WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU22	2005			20	8	12	\$0.00							
LA-	MS007	AIR HANDLING UNIT, AHR-1 HEATING WATER RECIRCULATING PUMP MAINTENANCE/REPLACEMENT.	UUU25	2005			20	8	12	\$0.00							
LA-	MS008	VAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	2005			30	8	22	\$0.00			-				
LA-	MS009	ELECTRIC DUCT HEATER REPLACEMENTS.	UUU25	2005	24	EA	15	8	7	\$21,500.00	\$ 516,000	\$ 574,297	\$ 584,63	4 \$ 595,158	\$ 605,87	0\$	616,776
LA-	MS010	BOILER REPLACEMENTS.	UUU22	2005			25	8	17	\$0.00							
LA-	MS011	AIR HANDLING UNIT REPLACEMENTS AH-1.	UUU25	2005	1	EA	40	8	32	\$28,350.00	\$ 28,350	\$ 31,553	\$ 32,12	1 \$ 32,699	\$ 33,28	8\$	33,887
LA-	MS012	AIR HANDLING UNIT REPLACEMENTS AHR-1.	UUU25	2005			40	8	32	\$0.00							
LA-	MS013	EXHAUST FAN MAINTENANCE/REPLACEMENTS.	UUU25	2005			20	8	12	\$0.00				_			
LA-	MS014	CABINET UNIT HEATER REPLACEMENTS.	UUU25	2005			25	8	17	\$0.00						_	
LA-	MS015	JCI BUILDING AUTOMATION SYSTEM.	UUU06	2005			20	8	12	\$0.00		A	é === : :		A	<u> </u>	
LA-	MS016		UUU25	2005	40,000	SF	10	8	2	\$1.15	\$ 46,000	\$ 51,197					54,984
LA-	MS017	VERTICAL UNIT VENTILATOR REPLACEMENT.	W06	2002	2	EA	25	11	14	\$17,887.50	\$ 35,775	\$ 39,817	\$ 40,53	. ,	\$ 42,00		42,762
	50001	ELECTRICAL SYSTEMS (may be packaged with BI item scope)	1111104	2004			20			¢0.00		\$ 236,422	\$ 240,67	\$ 245,009	\$ 249,42	U Ş	253,909
LA-	ES001	BUILDING SERVICE TRANSFORMER.	UUU04	2004			20	9	11	\$0.00		ć 00.151	ć 04 77	1 6 02.626	ć 05.44	o ć	00.010
LA-	ES002	MAIN SWITCHBOARD.	UUU05 UUU25	1967	1	EA	20	46	-26	\$81,000.00 \$0.00	\$ 81,000	\$ 90,151	\$ 91,77	4 \$ 93,426	\$ 95,10	io >	96,819
LA-	ES003	STANDBY GENERATOR.		2009			20	4	16	\$0.00 \$0.00						+	
LA-	ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2009			20	4	16	\$0.00						+	
LA-	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2009			20	4	16	\$0.00							
LA-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	1967	2	EA	20	46	-26	\$0.00	\$ -	\$-	\$	- \$ -	\$	- \$	-
LA-	ES007	VARIABLE FREQUENCY DRIVE (VFD).	UUU25 / 2018 CHILLED WATER PUMP # 1 VFD REPLACED	2007			15	6	9	\$0.00							

#### SCHOOLCRAFT COLLEGE; LIBERAL ARTS - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFERRE	D MAINT	ENANCE P	LAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7		8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST FI	IRST COST	2019	2020	2	021	2022		2023
LA-	ES008	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1967	1	LS	20	46	-26	\$81,000.00 \$	81,000	\$ 90,151	\$ 91,774	Ś	93,426	\$ 95,10	2 S	96,819
LA-	ES009	EXTERIOR BUILDING MOUNTED LIGHTING.	UUU25	1967	14	EA	20	46	-26	\$708.75 \$		\$ 11,044	. ,		11,445	\$ 11,65		11,860
LA-	ES010	EXIT LIGHTING.	W06	2000			2	13	-11	\$0.00		ý 11,011	ý 11)2 i 2	Ŷ	11,113	ý 11,00	· •	11,000
LA-	ES011	CORRIDOR LIGHTING.	W06	2000			20	13	7	\$0.00							-	
LA-	ES012	CLASSROOM LIGHTING.	110 AND 210	VARIOUS			20			\$0.00								
LA-	ES013	OFFICE LIGHTING.	310	VARIOUS			20			\$0.00								
LA-	ES014	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	1967	1	LS	20	46	-26	\$27,000.00 \$	27,000	\$ 30,050	\$ 30,591	Ś	31,142	\$ 31,70	3 Ś	32,273
LA-	ES015	VACANCY SENSOR LIGHTING CONTROLS.	110 AND 210	2002			20	11	9	\$0.00			,	1	- /			- , -
LA-	ES016	VACANCY SENSOR LIGHTING CONTROLS.	W05 AND W06	NONE	1	LS	20			\$13,500.00 \$	13,500	\$ 15,025	\$ 15,296	Ś	15,571	\$ 15,85	L Ś	16,137
-		BUILDING SYSTEMS (fire, security, IT/media infrastructure)		· · · · · · · · · · · · ·						,		\$ 200,476	\$ 204,085		207,758	\$ 211,498		215,305
LA-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00		· · · ·						
LA-	BS002	FIRE ALARM DEVICES.	UUU07	2007			20	6	14	\$0.00								
LA-	BS003	BOILER EPO SYSTEM.	Y04	NONE	1	EA	20			\$3,375.00 \$	3,375	\$ 3,756	\$ 3,824	\$	3,893	\$ 3,96	\$	4,034
LA-	BS004	CLOCK SYSTEM.	UUU25	1967	1	LS	20	46	-26	\$39,904.00 \$	39,904	\$ 44,412	\$ 45,212	\$	46,026	\$ 46,85	ļ\$	47,697
LA-	BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$136,847.00 \$	136,847	\$ 152,308	\$ 155,049	\$	157,840	\$ 160,68	L\$	163,574
LA-	BS006	SECURITY ACCESS SYSTEM. IMPROVEMENTS WERE MADE IN 2018. COMPLETED 2021.	UUU14 / 2018 EXTERIOR DOOR CARD ACCESS & GALAXY PANEL INSTALLED.	2021	1	LS	20	0	20	\$0.00 \$	-	\$-	\$ -	\$	-	\$	- \$	-
LA-	BS007	LIGHTNING PROTECTION SYSTEM.	UUU25	NONE	1	LS	20			\$0.00 \$	-	\$-	\$ -	\$	-	\$	- \$	-
LA-	BS008	THEATER LIGHTING AND CONTROL EQUIPMENT.	UUU25	2004	1	LS	20	9	11	\$0.00 \$	-	\$-	\$-	\$	-	\$	- \$	-
LA-	BS009	NETWORK SYSTEMS. ENTIRE MDF WAS RELOCATED TO LA30.	UUU02	2017	1	LS	25			\$0.00 <mark>\$</mark>	-	\$-	\$-	\$	-	\$	- \$	-
LA-	BS010	NETWORK CABLING. ENTIRE MDF WAS RELOCATED TO LA30.	UUU02	2017	2	LS	25			\$200.00	-	\$-	\$-	\$	-	\$	- \$	-
LA-	BS011	TP COMMUNICATION CABLE. ENTIRE MDF WAS RELOCATED TO LA30.	UUU02	2017	48	EA	25			\$100.00 \$	-	\$-	\$-	\$	-	\$	\$	-
LA-	BS012	NETWORK SYSTEMS. ENTIRE MDF WAS RELOCATED TO LA30.	UUU02	2017	4	LS	25			\$2,000.00	-	\$-	\$-	\$	-	\$	\$	-
LA-	BS013	NETWORK CABLE. ENTIRE MDF WAS RELOCATED TO LA30.	UUU02	2017	48	EA	25			\$200.00 <mark>\$</mark>	-	\$-	\$-	\$	-	\$	- \$	-
LA-	BS014	TELEPHONE SYSTEMS. COMPLETED	UUU02	2017	10	EA	25			\$100.00 \$	-	\$-	\$-	\$	-	\$	- \$	-
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)				_		-				\$ 93,156	\$ 94,833	\$	96,540	\$ 98,278	\$	100,047
LA-	SE001	EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH CURRENT COLLEGE BRANDING STANDARDS).	SSS16	1967	1	LS	25	46	-21	\$43,200.00 \$	43,200	\$ 48,081	\$ 48,946	\$	49,827	\$ 50,72	\$	51,637
LA-	SE002	INSTALL CRANE RAIL FOR CHAIN FALL THAT CAN BE USED TO HOIST EQUIPMENT OVER STAIRS.	Y04	NONE	1	EA	35			\$40,500.00 \$	40,500	\$ 45,076	\$ 45,887	\$	46,713	\$ 47,55	ļ \$	48,410
LA-	SE003	THEATRE STAGE LIGHTING SYSTEM MAINTENANCE/UPGRADES.	590	2004			20	9	11	\$0.00								
		ACCESSIBILITY IMPROVEMENTS										\$ 37,563	\$ 38,239	\$	38,927	\$ 39,628	\$	40,341
LA-	AI001	BARRIER-FREE IMPROVEMENTS TO FACULTY OFFICE BAYS.	310	1967	2	EA	20	46	- <b>2</b> 6	\$16,875.00 <mark>\$</mark>	33,750	\$ 37,563	\$ 38,239	\$	38,927	\$ 39,62	\$	40,341
								ANNUAL	FUND	ING REQUIREMENTS	(ROUNDED):	\$ 1,841,983	\$ 1,875,139	\$ 1,9	908,892	\$ 1,943,252	\$	1,978,230

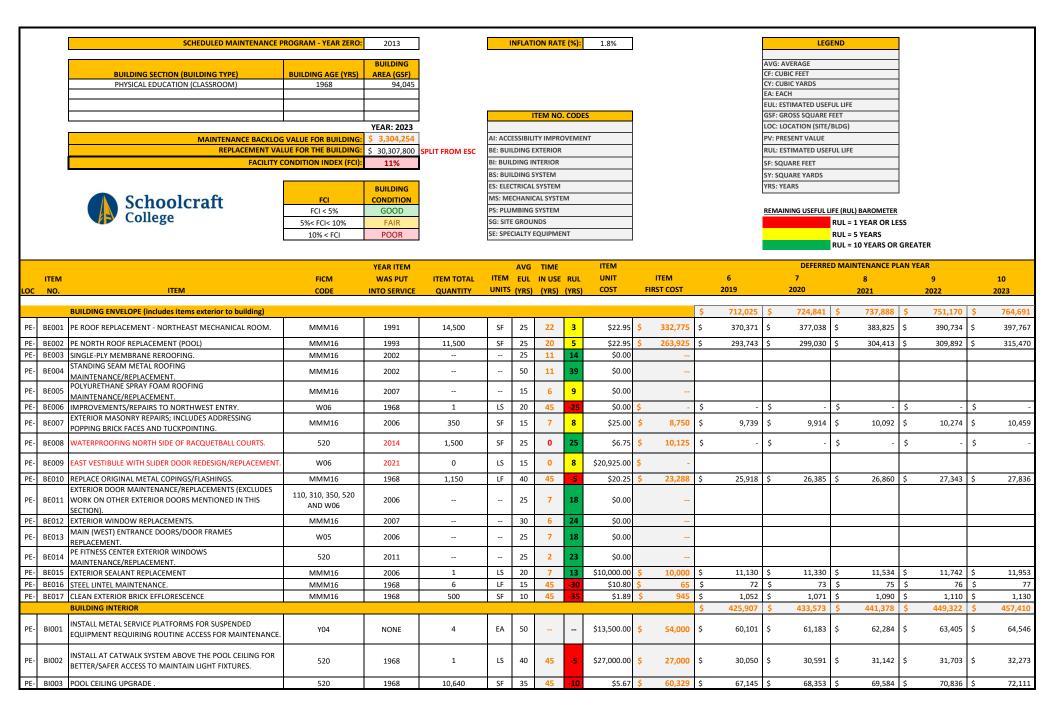
LOC         NO.         ITEM         CODE         INTO SERVICE         QUANTITY         UNITS         (YRS)         (YRS)         (YRS)         (YRS)         COST         FIF           BUILDING ENVELOPE (includes items exterior to building)           MC         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC         BE001         SELANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC         BE002         EXTERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC         BE002         EXTERIOR SEALANT MAINTENANCE.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR         W06         2022         2         EA         15         19         -4         \$500.00         \$           MC         BE004         SLIDING DOOR REPAIRS - IST	ITEM         6           iRST COST         2019           \$ 496,88           7,425         \$           43,200         \$ 48,08           7,000         \$ 49,08	,889         \$         505,833         \$         514,938         \$         524,20           -         \$         -         \$         -         \$         -         \$	- \$ - 4 \$ 51,637	
BUILDING SECTION (BUILDING TYPE)         (YRS)         (GSE)           MCDOWELL CENTER (ADMIN/CLASSROOM)         1994         66,746           Image: Section (Building Section (Building Section (Backlog Value For Building Section (Backlog Value For ReplaceMent Value Section (Constraint)         HE BUILDING ENTERIOR           BI: BUILDING INTERIOR         Fcl SS% GOOD         Section (Calue Strems Section Value Va	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	CF: CUBIC FEET         CY: CUBIC YARDS         EA: EACH         EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020         2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$       -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
BUILDING SECTION (BUILDING TYPE)         (YRS)         (GSE)           MCDOWELL CENTER (ADMIN/CLASSROOM)         1994         66,746           Image: Section (Building Section (Building Section (Backlog Value For Building Section (Backlog Value For ReplaceMent Value Section (Constraint)         HE BUILDING ENTERIOR           BI: BUILDING INTERIOR         Fcl SS% GOOD         Section (Calue Strems Section Value Va	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	CF: CUBIC FEET         CY: CUBIC YARDS         EA: EACH         EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         - \$       \$       - \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
Image: state in the s	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	EA: EACH         EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLLGG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE TEET         SY: SQUARE TEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 10 YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
YEAR: 2023         MAINTENANCE BACKLOG VALUE FOR BUILDING: \$ 2, 2,469,656         REPLACEMENT VALUE FOR THE BUILDING: \$ 2, 21,447,200         FACILITY CONDITION INDEX (FCI): 16%         BE: BUILDING EXTERIOR         FCI CONDITION         SchoolCraft         FCI CONDITION         FCI CONDITION         SchoolCraft         FCI CONDITION         FCI CONDITION         SchoolCraft         FCI CONDITION <th col<="" td=""><td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td><td>EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE TEET         SY: SQUARE TEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020         2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$       -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72</td><td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td></th>	<td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td> <td>EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE TEET         SY: SQUARE TEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020         2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$       -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72</td> <td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td>	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	EUL: ESTIMATED USEFUL LIFE         GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE TEET         SY: SQUARE TEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020         2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$       -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637
YEAR: 2023         MAINTENANCE BACKLOG VALUE FOR BUILDING: \$ 2,469,656         REPLACEMENT VALUE FOR THE BUILDING: \$ 2,1447,200         BE: BUILDING EXTERIOR         GENERATIVALUE FOR THE BUILDING: \$ 2,1447,200         FACILITY CONDITION INDEX (FCI): 16%         BUILDING EXTERIOR         FCI       CONDITION         FCI       Science         FCI       CONDITION         FCI       CONDITION         FCI       CONDITION         FCI       FCI         FCI       CONDITION	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	GSF: GROSS SQUARE FEET         LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020         2020       2021         2022       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
YEAR: 2023         MAINTENANCE BACKLOG VALUE FOR BUILDING: \$ 2,469,656         REPLACEMENT VALUE FOR THE BUILDING: \$ 2,1447,200         BE: BUILDING EXTERIOR         GENERATIVALUE FOR THE BUILDING: \$ 2,1447,200         FACILITY CONDITION INDEX (FCI): 16%         BUILDING EXTERIOR         FCI       CONDITION         FCI       Science         FCI       CONDITION         FCI       CONDITION         FCI       CONDITION         FCI       FCI         FCI       CONDITION	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	LOC: LOCATION (SITE/BLDG)         PV: PRESENT VALUE         RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
MAINTENANCE BACKLOG VALUE FOR BUILDING:         \$ 2,469,656 S 21,447,200         AI: ACCESSIBILITY IMPROVEMENT           BUILDING ENTENDOR           FACILITY CONDITION INDEX (FCI):         16%           BE: BUILDING ENTENDOR           FCI         CONDITION INDEX (FCI):           FCI         CONDITION           FCI         BUILDING ENTENDE           TEEM         FCI         CONDITION           SECISTICAL         SECISTICAL         SECISTICAL           TERM         BUILDING ENTENDE           TERM         FCI         COND           SECISTICAL <td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td> <td>PV: PRESENT VALUE           RUL: ESTIMATED USEFUL LIFE           SF: SQUARE FEET           SY: SQUARE YARDS           YRS: YEARS           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 1 O YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8           9         2020           2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,20'           -         \$ -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72</td> <td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td>	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	PV: PRESENT VALUE           RUL: ESTIMATED USEFUL LIFE           SF: SQUARE FEET           SY: SQUARE YARDS           YRS: YEARS           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 1 O YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8           9         2020           2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,20'           -         \$ -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
INVERTIGATION IN TAULE FOR THE BUILDING         \$ 21,47,200           REPLACEMENT VALUE FOR THE BUILDING         \$ 21,47,200           FACILITY CONDITION INDEX (FCI):         16%           BE: BUILDING EXTERIOR           BE: BUILDING EXTERIOR           FCI         CONDITION INDEX (FCI):         16%           B: BUILDING EXTERIOR           FCI         CONDITION           FCI         CONDITION INDEX (FCI):         16%           FCI         BUILDING EXTERIOR           BUILDING EXTERIOR           BUILDING EXTERIOR           BUILDING EXTERIOR           Schoolcraft           FCI         CONDITION INDEX (FCI):         16%           Schoolcraft         BUILDING EXTERIOR           Schoolcraft         BUILDING EXTERIOR           FCI         Schoolcraft           FCI         Schoolcraft           FCI         BUILDING EXTERIOR           Schoolcraft         BUILDING CONDITION           FCI <td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td> <td>RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         REMAINING USEFUL LIFE (RUL) BAROMETER         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 O YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72</td> <td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td>	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	RUL: ESTIMATED USEFUL LIFE         SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         REMAINING USEFUL LIFE (RUL) BAROMETER         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 O YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
FACILITY CONDITION INDEX (FCI): 15%         BI: BUILDING INTERIOR         B: BUILDING SYSTEM         ES: BUILDING SYSTEM         ES: BUILDING SYSTEM         FCI < 55% GOOD         Schoolcraft         FCI < 55% GOOD         Schoolcraft         FCI < 55% GOOD         Schoolcraft         FCI < 10% FAIR         Schoolcraft         Schoolcraft         FCI < 55% GOOD         Schoolcraft         Schoolcraft         Schoolcraft         FCI < 55% GOOD         Schoolcraft         Schoolcraft         Schoolcraft         FCI < 10% FAIR         Schoolcraft         FCI < 55% GOOD         Schoolcraft         FCI < 50%         F	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	SF: SQUARE FEET         SY: SQUARE YARDS         YRS: YEARS         REMAINING USEFUL LIFE (RUL) BAROMETER         RUL = 1 YEAR OR LESS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 O YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
BS: BUILDING SYSTEM         ES: ELECTRICAL SYSTEM         FCI < 5%       GOOD         FCI < 5%	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	SY: SQUARE YARDS           YRS: YEARS           REMAINING USEFUL LIFE (RUL) BAROMETER           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8           9         2020           2020         2021           2022         2021           ,889         \$ 505,833         \$ 514,938           \$ 505,833         \$ 514,938         \$ 524,20'           -         \$ -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
ES: ELECTRICAL SYSTEM         ES: ELECTRICAL SYSTEM         FCI < 55%       GOOD         5%       FCI < 5%	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	YRS: YEARS         REMAINING USEFUL LIFE (RUL) BAROMETER         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 10 YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8         9       2020       2021         2020       2021       2022         ,889       \$ 505,833       \$ 514,938       \$ 524,20'         -       \$ -       \$         3,081       \$ 48,946       \$ 49,827       \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
FCI CONDITION CONDITION FCI < 5% GOOD 5%< FCI< 10% FAIR 10% < FCI       MS: MECHANICAL SYSTEM PS: PLUMBING SYSTEM SG: SITE GROUNDS SE: SPECIALTY EQUIPMENT         VEAR ITEM 10% < FCI       POOR         VEAR ITEM NG & FCI       AVG TIME EUL IN USE RUL UNIT CODE       ITEM ITEM TOTAL UNITS (YRS) (YRS) (YRS)       ITEM EUL IN USE RUL UNIT UNITS (YRS) (YRS) (YRS)         BUILDING ENVELOPE (includes items exterior to building)         MC BE001 SILLS).       MMMM16       2014       5,500       SF       20       0       20       \$1.35       \$ FRE         MC BE001       PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).       MMM16       2014       \$,500       SF       20       0       \$         MC BE001       SETERIOR SEALANT MAINTENANCE.       MMM16       2014       \$,500       SF       20       0       20       \$         MC BE001       SETERIOR SEALANT MAINTENANCE.       MMM16       20       -       \$       \$ <th cols<="" td=""><td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td><td>REMAINING USEFUL LIFE (RUL) BAROMETER           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 5 YEARS           RUL = 10 YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8         9           2020         2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,20'           -         \$         -         \$         -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72</td><td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td></th>	<td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td> <td>REMAINING USEFUL LIFE (RUL) BAROMETER           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 5 YEARS           RUL = 10 YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8         9           2020         2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,20'           -         \$         -         \$         -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72</td> <td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td>	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	REMAINING USEFUL LIFE (RUL) BAROMETER           RUL = 1 YEAR OR LESS           RUL = 1 YEAR OR LESS           RUL = 5 YEARS           RUL = 5 YEARS           RUL = 10 YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR           7         8         9           2020         2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,20'           -         \$         -         \$         -         \$           3,081         \$ 48,946         \$ 49,827         \$ 50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637
BUILDING ENVELOPE (includes items exterior to building)         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 5 YEARS         RUL = 10 YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8       9         20220       2021       2022         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,8081       \$       48,946       \$       49,827       \$       50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
BUILDING ENVELOPE (includes items exterior to building)         MMM16         2014         5,500         SF         20         0         200         \$1.35         \$           MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR         W06         2022         2         EA         15         19         -4         \$500.00         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR         W06         2022         2         EA         15         19         -4         \$500.00         \$	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	RUL = 1 YEAR OR LESS         RUL = 5 YEARS         RUL = 5 YEARS         RUL = 10 YEARS OR GREATER         SCHEDULED MAINTENANCE PLAN YEAR         7       8       9         20220       2021       2022         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,889       \$       505,833       \$       514,938       \$       524,20'         ,8081       \$       48,946       \$       49,827       \$       50,72	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
ID% < FCI         POOR         SE: SPECIALTY EQUIPMENT           ITEM         ITEM         FICM         WAS PUT         ITEM TOTAL         ITEM         EUL         IN USE         RUL         UNIT           LOC         NO.         ITEM         FICM         WAS PUT         ITEM TOTAL         ITEM         EUL         IN USE         RUL         UNIT           LOC         NO.         ITEM         CODE         INTO SERVICE         QUANTITY         UNITS         (YRS)         (YRS)         COST         FIE           BUILDING ENVELOPE (includes items exterior to building)         MMM16         2014         5,500         SF         20         0         20         \$1.3.5         \$           MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         1994         8,000         LF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LI FLOOR. EAST SLIDING DOOR         W06         2022         2         EA         15         19	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	RUL = 5 YEARS RUL = 10 YEARS OR GREATER           SCHEDULED MAINTENANCE PLAN YEAR 7           7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,20'           ,889         \$         \$         \$0         \$         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$           ,8001         \$         \$         \$         \$         \$         \$         \$	2023           7         \$ 529,465           -         \$ -           4         \$ 51,637	
YEAR ITEM       AVG TIME       ITEM         ITEM TOTAL       ITEM TOTAL       ITEM EUL IN USE       ITEM         LOC NO.       ITEM       ITEM TOTAL       ITEM EUL IN USE       ITEM         BUILDING ENVELOPE (includes items exterior to building)         MC-       BEO01       PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW       MMM16       2014       5,500       SF       20       0       20       \$\$       \$\$         MC- BE001       PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).       MMM16       2014       5,500       SF       20       0       20       \$\$       \$\$         MC- BE001       PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).       MMM16       2014       5,500       S         MC- BE001       PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).       MMM16       20       1       \$\$       \$ <th c<="" td=""><td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td><td>RUL = 10 YEARS OR GREATER           7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         \$         \$         \$         514,938         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         <t< td=""><td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td></t<></td></th>	<td>RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08</td> <td>RUL = 10 YEARS OR GREATER           7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         \$         \$         \$         514,938         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         <t< td=""><td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td></t<></td>	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	RUL = 10 YEARS OR GREATER           7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         505,833         \$         514,938         \$         524,201           ,889         \$         \$         \$         \$         \$         514,938         \$         \$         \$           ,889         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$ <t< td=""><td>2023           7         \$         529,465           -         \$         -           4         \$         51,637</td></t<>	2023           7         \$         529,465           -         \$         -           4         \$         51,637
ITEM LOCITEM NO.ITEM ITEMITEM CODEITEM VAS PUT INTO SERVICEITEM QUANTITYINUSE VRSRUL VRSUNIT COSTUNIT FIFBUILDING ENVELOPE (includes items exterior to building)MC-BE001PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).MMM1620145,500SF20020\$1.35\$MC-BE002EXTERIOR SEALANT MAINTENANCE.MMM1619948,000LF20191\$5.40\$MC-BE003NORTHEAST PATIO SOFFIT REPAIRS.MMM16VARIOUS1,000SF20\$7.80\$MC-BE004SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.W0620222EA1519-4\$500.00\$MC-BE004SLIDING DOOR REPAIRS - ST FLOOR. INCLUDES WEST MAINW0620222EA1519-4\$500.00\$	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,20           -         \$         -         \$         -         \$         -         \$           3,081         \$         48,946         \$         49,827         \$         50,722	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
ITEM LOCITEM NO.ITEM ITEMITEM CODEITEM NOS ERVICEITEM QUANTITYIN USE VRSRUL (YRS)UNIT COSTUNIT FIFBUILDING ENVELOPE (includes items exterior to building)MC-BE001PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).MMM1620145,500SF20020\$1.35\$MC-BE002EXTERIOR SEALANT MAINTENANCE.MMM1619948,000LF20191\$5.40\$MC-BE003NORTHEAST PATIO SOFFIT REPAIRS.MMM16VARIOUS1,000SF20\$7.80\$MC-BE004SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.W0620222EA1519-4\$500.00\$MC-BE004SLIDING DOOR REPAIRS - ST FLOOR. INCLUDES WEST MAINW0620222EA1519-4\$500.00\$	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	7         8         9           2020         2021         2022           ,889         \$         505,833         \$         514,938         \$         524,20           -         \$         -         \$         -         \$         -         \$           3,081         \$         48,946         \$         49,827         \$         50,722	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
LOC         NO.         ITEM         CODE         INTO SERVICE         QUANTITY         VRS         (VRS)         (VRS)         COST         FIF           BUILDING ENVELOPE (includes items exterior to building)           MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC-         BE001         STERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           MC         BE004         SLIDING DOOR REPAIRS - LT FLOOR. INCLUDES WEST MAIN         VN06         2022         2         EA         15         19         -4         \$500.00         \$	RRST COST         2019           \$ 496,88           7,425         \$           43,200         \$         48,08	2020         2021         2022           ,889         \$ 505,833         \$ 514,938         \$ 524,201           -         \$	2023           7         \$         529,465           -         \$         -           4         \$         51,637	
BUILDING ENVELOPE (includes items exterior to building)           MC         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC         BE001         EXTERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - IST FLOOR. INCLUDES WEST MAIN         VARIOUS         I         I         I         I         \$	\$         496,88           7,425         \$           43,200         \$         48,08	,889         \$         505,833         \$         514,938         \$         524,20           -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         50,72         \$         50,72         \$         50,72         \$         50,72         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         50,72	7         \$         529,465           -         \$         -           4         \$         51,637	
MC-         BE001         PRE-CAST STONE CLEANING (WALL PANELS AND WINDOW SILLS).         MMM16         2014         5,500         SF         20         0         20         \$1.35         \$           MC-         BE002         EXTERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - IST FLOOR. INCLUDES WEST MAIN	7,425 \$ 43,200 \$ 48,08	- \$ - \$ - \$ 3,081 \$ 48,946 \$ 49,827 \$ 50,72	- \$ - 4 \$ 51,637	
MC-         BEOUT         SILLS).         MMM16         2014         5,500         SF         20         0         20         51.35         \$           MC-         BE002         EXTERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5.40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - IST FLOOR. INCLUDES WEST MAIN                                       \$              \$	<b>43,200</b> \$ 48,08	3,081 \$ 48,946 \$ 49,827 \$ 50,72		
MC-         BE002         EXTERIOR SEALANT MAINTENANCE.         MMM16         1994         8,000         LF         20         19         1         \$5,40         \$           MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7,80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - LST FLOOR. INCLUDES WEST MAIN	<b>43,200</b> \$ 48,08	3,081 \$ 48,946 \$ 49,827 \$ 50,72		
MC-         BE003         NORTHEAST PATIO SOFFIT REPAIRS.         MMM16         VARIOUS         1,000         SF         20           \$7.80         \$           MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - LST FLOOR. INCLUDES WEST MAIN </td <td></td> <td></td> <td></td>				
MC-         BE004         SLIDING DOOR REPAIRS - LL FLOOR. EAST SLIDING DOOR REPLACED 2022.         W06         2022         2         EA         15         19         -4         \$500.00         \$           SLIDING DOOR REPAIRS - 1ST FLOOR. INCLUDES WEST MAIN                      \$                    \$ <td< td=""><td></td><td>3.681 \$ 8.837 \$ 8.997 \$ 9.15</td><td>ງ ć ດວວວ 🛛</td></td<>		3.681 \$ 8.837 \$ 8.997 \$ 9.15	ງ ć ດວວວ 🛛	
Inc.         BEUG4         REPLACED 2022.         INC.         W00         2022         2         EA         15         19         44         5500.00         9           SLIDING DOOR REPAIRS - 1ST FLOOR. INCLUDES WEST MAIN         Inc.         Inc. <td< td=""><td><b>7,800</b> \$ 8,68</td><td>-,</td><td>9 \$ 9,323</td></td<>	<b>7,800</b> \$ 8,68	-,	9 \$ 9,323	
SLIDING DOOR REPAIRS - 1ST FLOOR. INCLUDES WEST MAIN	<b>1,000</b> \$ 1,66	1,669 \$ 1,700 \$ 1,730 \$ 1,76	1 \$ 1,201	
MC- BE005 ENTRANCE SLIDER DOOR MODIFICATIONS TO LESSEN AIR W06 2020 2 EA 15 19 -4 \$1,500.00 \$	<b>3,000</b> \$ 3,33	3,339 \$ 3,399 \$ 3,460 \$ 3,52	3\$-	
INFILTRATION/EXFILTRATION. REPLACED IN 2020.				
DOCK REPAIRS; INCLUDING BOLLARD REPAIRS/REPLACEMENT				
MC- BE006 AND ADDRESSING OF RAINWATER DRAINAGE ISSUES W04 2017 600 SF 15 0 -4 \$105.00 \$	63,000			
	03,000			
MC-         BE007         DOCK ROLL-UP DOOR REPLACEMENT.         W04         1994         110         SF         25         19         6         \$80.00         \$	<b>8,800</b> \$ 9,79	0,794 \$ 9,971 \$ 10,150 \$ 10,33	3 \$ 10,519	
MC         BEO0         DOCK NOLE OF DOOR NEL DECEMENT.         WO4         1154         116         15         15         16         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         30000         300000         300000         300000	, , ,		4 \$ 5,379	
MC-         BE009         REPLACEMENT OF PARAPET COPING AND FLASHINGS.         MMM16         1994           40         19         21         \$0.00		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , , ,	
MC-         BEOD         SINGLE-PLY MEMBRANE REROOFING.         MMM16         1994         31,000         SF         25         19         6         \$12.00         \$	<b>372,000</b> \$ 414,02	1,028 \$ 421,480 \$ 429,067 \$ 436,79	0 \$ 444,652	
MC         DESIG         SHORE         FIGURE         SHORE         S	, ,		3 \$ 2,630	
MC-         BE012         EXTERIOR WINDOW REPLACEMENTS.         MMM16         1994           30         19         11         \$0.00		,		
MC-         BE013         STEEL DOOR LINTEL MAINTENANCE         MMM16         1994         1         EA         15         19         -4         \$750.00         \$	750 \$ 83	835 \$ 850 \$ 865 \$ 88	1 \$ 896	
MC-         BE014         DOCK LIFT MAINTENANCE         W04         1994         1         EA         20         19         1         \$1,500.00         \$			1 \$ 1,793	
MC-         BE015         EXTERIOR BRICK CLEANING         MMM16         1994         300         SF         20         19         1         \$4.00         \$		L,336 \$ 1,360 \$ 1,384 \$ 1,40		
BUILDING INTERIOR	\$ 341,07			
MC- BIO01 REPLACEMENT OF CORRIDOR BOOTHS AND BENCHES WITH 650 AND W05 2015 0 EA 20 0 \$650.00 \$				
LAPTOP POWER.				
	222.820 ¢	- s - s - s	ć	
MC- BI002 WALL FINISH UPDATES - ALLOWANCE. 350, W05, W06 VARIOUS 66,764 SF 15 \$5.00 \$	<b>333,820</b> \$	- \$ - \$ - \$	-\$-	
AND X03         AND X03         End X03 <t< td=""><td>270,000 \$ 300,50</td><td>0,504 \$ 305,913 \$ 311,420 \$ 317,02</td><td>5 \$ 322,732</td></t<>	270,000 \$ 300,50	0,504 \$ 305,913 \$ 311,420 \$ 317,02	5 \$ 322,732	
			<i>Q SEL,1SE</i>	
MC- BI004 FLOOR FINISH UPDATES - ALLOWANCE. 350, W05, W06 VARIOUS 66,764 SF 15 \$7.00 \$	467 349 ¢	- \$ - \$ - \$	- \$ -	
AND X03	<b>467,348</b> \$			

#### SCHOOLCRAFT COLLEGE; MCDOWELL CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			SCHEDULE	D MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9	1	10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022	20	023
	0	1					1	-						1			
MC-	BI005	WOOD WALL CAP MAINTENANCE	W05	2015	0	LF	15	0	15	\$15.00 \$	-						
MC-	BI006	TOILET ROOM MIRRORS REPLACEMENT	X03	1994	27	EA	25	19	6	\$350.00 \$	9,450	\$ 10,518	\$ 10,707	\$ 10,900	\$ 11,096	\$	11,296
MC-	BI007	WOOD DOOR REPLACEMENTS	110, 210, 310 AND 350	1994	10	EA	50	19	31	\$850.00 \$	8,500	\$ 9,460	\$ 9,631	\$ 9,804	\$ 9,980	\$	10,160
MC-	BI008	CARPET REPLACEMENT	110, 210, 310 AND 350	VARIOUS	3,000	SF	15			\$6.00		\$ 20,034	\$ 20,394		\$ 21,135	\$	21,515
MC-	BI009	ENTRANCE MAT REPAIR	W06	1994	50	SF	5	19	5	\$10.00 \$	500	\$ 556	\$ 567	\$ 577	1	\$	598
		PLUMBING SYSTEMS (may be packaged with BI item scope)		Г П		-	1					\$ 2,309	\$ 2,351	\$ 2,393	\$ 2,436	Ş	2,480
MC-	PS001	DOMESTIC HOT WATER HEATER REPLACEMENT.	UUU24	2007	1	EA	10	6	4	\$1,500.00 \$	1,500	\$ 1,669	\$ 1,700	\$ 1,730	\$ 1,761	Ş	1,793
MC-	PS002	DOMESTIC HOT WATER HEATER RECIRCULATION PUMP REPLACEMENT.	UUU24	1994	1	EA	10	19	-9	\$575.00 \$	575	\$ 640	\$ 651	\$ 663	\$ 675	\$	687
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 1,246,814	\$ 1,269,257	\$ 1,292,103	\$ 1,315,361	\$ 1,3	39,037
MC-	MS001	CHILLER REPLACEMENTS.	UUU20	1994	3	EA	30	19	11	\$65,000.00 \$	195,000	\$ 217,031	\$ 220,937	\$ 224,914	\$ 228,963	\$ 2	233,084
MC-	MS002	BACK-UP A/C SYSTEM FOR TECH CLOSETS ON EACH FLOOR.	UUU25	NONE	3	EA	15		-	\$14,050.00	42,150	\$ 46,912	\$ 47,756	\$ 48,616	\$ 49,491	\$	50,382
MC-	MS003	HVAC SYSTEMS CLEANING. WORK WAS PERFORMED AT EAST END OF FIRST FLOOR 2018 & 2019.	UUU25 / 2018 - MC105 SUITE DUCT SYSTEM CLEANING. 2019 - MC175 SUITE DUCT SYSTEM CLEANING	NONE	0	SF	10	-	-	\$0.25 <b>\$</b>	-						
MC-	MS004	AIR HANDLING UNIT, AH-1 REFURBISHMENT/RECOMMISSIONING.	UUU25	1994	1	EA	25	19	6	\$25,000.00	25,000	\$ 27,824	\$ 28,325	\$ 28,835	\$ 29,354	\$	29,883
MC-	MS005	CONVERSION FROM LEGACY/PNEUMATIC TEMPERATURE CONTROLS TO SC STANDARD JCI TEMPERATURE CONTROLS NETWORK (DDC).	UUU06	1994 / 2014 / 2015	24,000	SF	20			\$4.50	108,000	\$ 120,202	\$ 122,365	\$ 124,568	\$ 126,810	\$ 1	129,093
MC-	MS006	ROOM MC17 SUMP PUMP MAINTENANCE/REPLACEMENT.	UUU16	1994	1	EA	15	19	-4	\$1,500.00 \$	1,500	\$ 1,669	\$ 1,700	\$ 1,730	\$ 1,761	Ś	1,793
MC-	MS007	AIR HANDLING UNIT, AH-2 HOUSING REFURBISHMENT (SHEETMETAL OXIDATION).	UUU25	1994	1	EA	25	19	6	\$45,000.00		\$ 50,084	\$ 50,986		\$ 52,838	\$	53,789
MC-	MS008	AIR HANDLING UNIT, AH-2 HEAT TRANSFER COIL REPLACEMENTS.	UUU25	1994	2	EA	25	19	6	\$3,500.00	7,000	\$ 7,791	\$ 7,931	\$ 8,074	\$ 8,219	\$	8,367
MC-	MS009	CABINET UNIT HEATER REPLACEMENTS - STAIRWELLS.	W07	1994	6	EA	20	19	1	\$5,500.00 \$	33,000	\$ 36,728	\$ 37,389	\$ 38,062	\$ 38,748	\$	39,445
MC-	MS010	CABINET UNIT HEATER REPLACEMENTS - VESTIBULES.	W06	1994	6	EA	20	19	1	\$5,500.00 \$	33,000	\$ 36,728	\$ 37,389	\$ 38,062	\$ 38,748	\$	39,445
MC-	MS011	ZONING OF PERIMETER HOT WATER RADIANT HEATING SYSTEM FOR IMPROVED TEMPERATURE CONTROL IN VARIOUS CLASSROOM AND OFFICE AREAS.	UUU22	1994 / <mark>2015</mark>	24,000	SF	20			\$4.00 \$	96,000	\$ 106,846	\$ 108,769	\$ 110,727	\$ 112,720	\$ 1	114,749
MC-	MS012	ROOF-MOUNTED EXHAUST FAN, EFR-1 REPLACEMENT.	UUU25	1994	1	EA	20	19	1	\$2,750.00 \$	2,750	\$ 3,061	\$ 3,116	\$ 3,172	\$ 3,229	\$	3,287
MC-	MS013	ROOF-MOUNTED EXHAUST FAN, EFR-2 REPLACEMENT.	UUU25	1994	1	EA	20	19	1	\$1,250.00	1,250	\$ 1,391	\$ 1,416	\$ 1,442	\$ 1,468	\$	1,494
MC-	MS014	BOILER REPLACEMENTS.	UUU22	1994	3	EA	25	19	6	\$85,500.00 \$	256,500	\$ 285,479	\$ 290,618	\$ 295,849	\$ 301,174	\$ 3	306,595
MC-	MS015	HOT WATER HEATING PUMP MAINTENANCE/REPLACEMENTS.	UUU22	1994	2	EA	20	19	1	\$15,750.00	31,500	\$ 35,059	\$ 35,690	\$ 36,332	\$ 36,986	\$	37,652
MC-	MS016	CHILLER ROOF-MOUNTED CONDENSING UNIT MAINTENANCE/REPLACEMENTS.	UUU20	1994	3	EA	20	19	1	\$13,500.00	40,500	\$ 45,076	\$ 45,887	\$ 46,713	\$ 47,554	\$	48,410
MC-	MS017	CHILLED WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU20	1994	3	EA	20	19	1	\$12,750.00	38,250	\$ 42,571	\$ 43,338	\$ 44,118	\$ 44,912	\$	45,720
MC-	MS018	CABINET UNIT HEATER REPLACEMENTS.	UUU25	1994	18	EA	20	19	1	\$1,950.00	35,100	\$ 39,066	\$ 39,769	\$ 40,485	\$ 41,213	\$	41,955
MC-	MS019	SUPPLY AIR FAN MAINTENANCE/REPLACEMENT.	UUU25	1994	1	EA	25	19	6	\$25,000.00	25,000	\$ 27,824	\$ 28,325	\$ 28,835	\$ 29,354	\$	29,883
MC-	MS020	RETURN AIR FAN MAINTENANCE/REPLACEMENTS.	UUU25	1994	2	EA	25	19	6	\$15,000.00	30,000	\$ 33,389	\$ 33,990	\$ 34,602	\$ 35,225	\$	35,859
MC-	MS021	UNIT HEATER REPLACEMENTS.	UUU25	1994	1	EA	20	19	1	\$3,750.00	3,750	\$ 4,174	\$ 4,249	\$ 4,325	\$ 4,403	\$	4,482
MC-	MS022	VAV BOX REPLACEMENTS.	UUU25	1994 / 2014 /2015	25,714	EA	20			\$8.70 \$	223,714	\$ 77,908	\$ 79,311	\$ 80,738	\$ 82,192	\$	83,671
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)										\$ 206,179	\$ 209,890	\$ 213,668	\$ 217,515	•	21,430
MC-	ES001	BUILDING SERVICE TRANSFORMER.	UUU04	1994	1	EA	20	19	1	\$77,500.00 \$	77,500	\$ 86,256	\$ 87,808	\$ 89,389	\$ 90,998	\$	92,636

#### SCHOOLCRAFT COLLEGE; MCDOWELL CENTER - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			SCHEDULE	D MAINTENANCE	PLAN YEAR	
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7	8	9	10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022	2023
						1							1		1 1	
MC-		MAIN SWITCHBOARD.	UUU05	1994			20	19	1	\$0.00						
MC-		STANDBY GENERATOR.	UUU25	2008	0	EA	20	5	1	\$25,000.00	Ŧ	\$ 27,824	\$ 28,325		\$ 29,354	\$ 29,883
MC-	ES004	LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2008	0	EA	20	5	1	\$10,000.00	Ş -	\$ 11,130	\$ 11,330	\$ 11,534	\$ 11,742	\$ 11,953
MC-	ES005	STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2016	0	EA	20	0	1	\$10,000.00	\$ -					
MC-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	1994			20	19	1	\$0.00						
MC-	ES007	VARIABLE FREQUENCY DRIVE (VFD).	UUU25	1994	4	EA	20	19	1	\$15,000.00	\$ 60,000	\$ 66,779	\$ 67,981	\$ 69,204	\$ 70,450	\$ 71,718
MC-	ES008	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1994	12	EA	20	19	1	\$0.00	\$ -	\$-	\$ -	\$ -	\$-	\$-
MC-	ES009	EXTERIOR BUILDING MOUNTING LIGHTING.	UUU25	1994	15	EA	20	19	1	\$750.00	\$ 11,250	\$ 12,521	\$ 12,746	\$ 12,976	\$ 13,209	\$ 13,447
MC-	ES010	EXIT LIGHTING.	W06	1994 / <mark>2015</mark>			20			\$0.00						
MC-	ES011	CORRIDOR LIGHTING.	W06	1994 / <mark>2015</mark>	1	LS	20			\$500.00	\$ 500	\$ 556	\$ 567	\$ 577	\$ 587	\$ 598
MC-	ES012	CLASSROOMS/MEETING ROOM LIGHTING.	110, 210 AND 350	1994 / <mark>2015</mark>	1	LS	20			\$500.00	\$ 500	\$ 556	\$ 567	\$ 577	\$ 587	\$ 598
MC-	ES013	OFFICE LIGHTING.	310	2015	0	LS	20	0	22	\$500.00	\$ -	\$-	\$ -	\$ -	\$ -	\$ -
MC-		STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	1994	1	LS	20	19	1	\$500.00	\$ 500	\$ 556	\$ 567	\$ 577	\$ 587	\$ 598
MC-	ES015	VACANCY SENSOR LIGHTING CONTROLS.	110, 210, W06 AND W07	2015	0	LS	15	0	17	\$50,000.00	\$ -	\$ -	\$ -	\$ -		\$ -
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)				1						\$ 5,565	\$ 5,665	\$ 5,767	\$ 5,871	\$ 5,977
MC-	BS001	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	19	1	\$0.00						
MC-	BS002	FIRE ALARM DEVICES.	UUU07	2015			20	-2	22	\$0.00						
MC-	BS003	BOILER ROOM EPO SYSTEM.	Y04	NONE	1		20			\$5,000.00	\$ 5,000	\$ 5,565	\$ 5,665	\$ 5,767	\$ 5,871	\$ 5,977
MC-	BS004	CLOCK SYSTEM.	UUU25	1994			20	19	1	\$0.00						
MC-	BS005	SECURITY SURVEILLANCE SYSTEM.	UUU14	2015			20	-2	22	\$0.00						
MC-	BS006	SECURITY ACCESS SYSTEM.	UUU14 / 2018 - CODE BLUE PANIC BUTTONS ADDED TO 2ND FLR VP OFFICE SUITE.	2015 / 2021			20	0	22	\$0.00						
MC-	BS007	ABATE ABANDONED TWISTED PAIR NETWORK CABLING	UUU02	2015	0		30			\$0.00	\$ -	\$-	\$ -	\$ -	\$ -	\$-
MC-	BS008	CABLE TRAY AND CONDUIT PENETRATIONS INTO ROOM	Y04	2015	0		30			\$7,500.00	\$ -	\$-	\$ -	\$-	\$-	\$-
MC-	BS009	TELEPHONE BACKBOARD	UUU17	2015	0		30			\$0.00	\$-	\$-	\$ -	\$-	\$-	\$-
MC-	BS010	BACK-UP A/C SYSTEM FOR TECH CLOSETS ON EACH FLOOR.	Y04	ONLY FOR MC14 - MDF AS OF 9/18/15.	1		30			\$0.00	\$ -	\$-	\$ -	\$-	\$-	\$-
MC-	BS011	WORKSPACE CLEARANCE	Y04	2015	0		30			\$0.00	\$-	\$-	\$-	\$-	\$-	\$-
MC-	BS012	EXISTING CATEGORY 5 NETWORK CABLING	UUU02	2015	0		30			\$0.00	\$-	\$-	\$-	\$-	\$-	\$-
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$ -	\$-	\$ -	\$-	\$ -
MC-	SE001	ELEVATOR MAJOR MAINTENANCE.	W02	2020	1	LS	25	0	25	\$8,686.00	\$ 8,686					
		ACCESSIBILITY IMPROVEMENTS										\$ 4,624	\$ 4,708	\$ 4,792	\$ 4,879	\$ 4,966
MC-	AI001	BARRIER FREE DRINKING FOUNTAIN ADJUSTMENTS	W06	1994	6	EA	20	19	1	\$650.00	\$ 3,900	\$ 4,341	\$ 4,419	\$ 4,498	\$ 4,579	\$ 4,662
MC-	AI002	COAT RACK ADJUSTMENTS	X03	UNKNOWN	1	EA	20			\$255.00	\$ 255	\$ 284	\$ 289	\$ 294	\$ 299	\$ 305
								ANN	JAL FUNDI	NG REQUIREMEN	NTS (ROUNDED):	\$ 2,303,453	\$ 2,344,915	\$ 2,387,124	\$ 2,430,092	\$ 2,469,656



#### SCHOOLCRAFT COLLEGE; PHYSICAL EDUCATION - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM					DEFERRE	D MAINTENANCE P	LAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6			7	8	9		10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019		20	20	2021	2022		2023
PE-	BI004	TOILET ROOM UPGRADES; INCLUDING ADA IMPROVEMENTS.	X03	1968	680	SF	25	45	-20	\$54.00	\$ 36,720	\$ 4	0,869	\$	41,604	\$ 42,353	\$ 43,12	5\$	43,892
PE-	BI005	WOOD SPECIALTY FLOOR REFINISHING. MAIN GYM (PE110) EXISTS ONLY NOW.	520	2022	17,200	SF	10			\$1.69	\$ 29,068	\$ 5	0,597	\$	51,508	\$ 52,435	\$ 53,37	9\$	54,340
PE-	BI006	TEAM ROOM UPGRADES.	525	VARIOUS			25			\$0.00									
PE-	BI007	FACULTY LOCKER ROOM UPGRADES.	525	VARIOUS			25			\$0.00									
PE-	B1008	WALL FINISH UPDATES - ALLOWANCE.	110, 310, 520, 525, W05, W06 AND X03	VARIOUS			15			\$0.00									
PE-	B1009	FLOOR FINISH UPDATES - ALLOWANCE.	110, 310, 520, 525 AND X03 / 2018 MAIN GYM & PE140	VARIOUS			15			\$0.00									
PE-	BI010	MAIN LOBBY CEILING AND LIGHTING UPGRADE.	W05	1968	2,500	SF	35	45	-10	\$17.67	\$ 44.175	\$ 4	9,166	\$	50,051	\$ 50,952	\$ 51,86	9\$	52,802
PE-	BI011	WEST TERRAZZO STEP REPAIRS.	W05	2004			20	9	11	\$0.00					,		, ,	-	
PE-	BI012	MAIN GYM PAINTING.	520	UNKNOWN	18,400	SF	15			\$1.35	\$ 24,840	\$ 2	7,646	\$	28,144	\$ 28,651	\$ 29,16	6\$	29,691
PE-	BI013	WOMEN'S LOCKER ROOM SHOWER/CHANGING AREA SPECIALTIES UPDATES (I.E. SHOWER CURTAINS, ADA FOLD- DOWN BENCHES, DISPENSERS).	525	2012			25	1	24	\$0.00									
PE-	BI014	MEN'S LOCKER ROOM SHOWER/CHANGING AREA SPECIALTIES UPDATES (I.E. SHOWER CURTAINS, ADA FOLD-DOWN BENCHES, DISPENSERS).	525	2012			25	1	24	\$0.00									
PE-	BI015	PE FITNESS CENTER CARPET TILE REPLACEMENT.	520	2011			15	2	13	\$0.00									
PE-	BI016	PE FITNESS CENTER FINISH REPAIRS/UPGRADES - ALLOWANCE.	520	2011			15	2	13	\$0.00									
PE-	BI017	VCT FLOOR MAINTENANCE.	W06	2005	8	SF	35	8	27	\$4.73	\$ 38	\$	42		43	\$ 44		4 \$	45
PE-	BI018	STAIR HANDRAIL IMPROVEMENTS.	W07	1968	60	LF	20	45	-25	\$135.00	\$ 8,100		-,	\$	9,177	\$ 9,343	\$ 9,53		9,682
PE-	BI019	ACOUSTICAL CEILING REPLACEMENT.	520	2013	725	SF	35	0	35	\$4.32	\$ 3,132		3,486	\$	3,549	\$ 3,612	\$ 3,6		3,744
PE-	BI020	CONDUIT ENTRANCE WATERPROOFING.	Y04	2011	1	LS	20	2	18	\$13,500.00	\$ 13,500		5,025	\$	15,296	\$ 15,571	\$ 15,85		16,137
PE-	BI021	RACQUETBALL STAIR IMPROVEMENTS.	520	1968	1	LS	25	45	-20	\$20,250.00	\$ 20,250		2,538	\$	22,943	\$ 23,356	\$ 23,7		24,205
PE-	BI022	POOL MECHANICAL ROOM CONCRETE REPAIRS.	Y04	1968	1	LS	25	45	-20	\$0.00	ş -	\$	-	\$	-	\$ -	Ş	- \$	-
PE-	BI023	DOOR REPLACEMENTS.	520, W05 AND Y04	1968	10	EA	50	45	5	\$3,037.50	\$ 30,375		3,807	\$	34,415	\$ 35,035	\$ 35,66		36,307
PE-	BI024	DOOR HARDWARE REPAIR.	W06	1968	1	EA	30	45	-15	\$1,282.50	<u>\$ 1,283</u>		1,427	\$	1,453	\$ 1,479	\$ 1,50		1,533
PE-	BI025	CARPET REPLACEMENT.	310, 350 AND 520	VARIOUS	1,900	SF	15			\$7.09	\$ 13,471	\$ <u>:</u> \$	4,993	Ş S	15,263	\$ 15,538 \$ -	\$ 15,83 \$	7\$ -\$	16,102
PE-	BI026	ENTRANCE MAT REPLACEMENT	W05 AND W06	UNKNOWN	420	SF	15			\$0.00	- <		-	\$	-	7	Ŷ	Ŷ	-
DE	PS001	PLUMBING SYSTEMS (may be packaged with BI item scope) REPLACE PLASTIC PIPING ON POOL FILTRATION SYSTEM.	520	2004	75	1.5	25	9	16	\$40.50	ć 2.029	-	4,654	>	381,397	\$ 388,262	\$ 395,25		402,366
PE-	PS001	WOMEN'S LOCKER ROOM SHOWER/CHANGING AREA	520 525	2004		LF 	40	1	39	\$40.50	\$ 3,038	Ş	3,381	Ş	3,442	\$ 3,503	\$ 3,56	7 3	3,631
PE-	PS003	PLUMBING FIXTURE UPDATES. MEN'S LOCKER ROOM SHOWER/CHANGING AREA PLUMBING FIXTURE UPDATES.	525	2012			40	1	39	\$0.00								1	
PE-	PS004	GANG TOILET ROOM FIXTURE UPGRADES.	X03	1968	31	EA	40	45	-5	\$10,597.50	\$ 328,523	\$ 36	5,638	\$	372,220	\$ 378,920	\$ 385,74	0\$	392,684
PE-	PS005	DOMESTIC WATER PIPE.	Y04	1968	150	LF	50	45	5	\$33.75	\$ 5,063	\$	5,634	\$	5,736	\$ 5,839	\$ 5,94	4 \$	6,051
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 22	3,486	\$	227,509	\$ 231,604	\$ 235,77	3 \$	240,017
PE-	MS001	REPLACE AIR HANDLING UNIT, AH-9 CONVERTING FROM DX COOLING TO CHILLED WATER.	UUU25	2000	1	EA	40	13	27	\$21,600.00	\$ 21,600	\$ 2	4,040	\$	24,473	\$ 24,914	\$ 25,36	2\$	25,819
PE-	MS002	POOL DRAIN TILE PUMP MAINTENANCE/REPLACEMENTS. REPLACED IN 2022.	UUU25	2022			20	1	19	\$0.00									
PE-	MS003	BOILER LOOP PUMP (POOL HEATER) MAINTENANCE/REPLACEMENTS.	UUU22	2012			20	1	19	\$0.00									
PE-	MS004	BUILDING HWH LOOP MAINTENANCE/REPLACEMENT.	UUU22	2012	80,000	SF	2	1	1	\$49.95	\$3,996,000	\$	-	\$	-	\$-	\$	- \$	-
PE-	MS005	POOL WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU22	2012	2	EA	20	1	19	\$29,025.00	\$ 58,050	\$6	4,608	\$	65,771	\$ 66,955	\$ 68,16	0\$	69,387
PE-	MS006	BOILER LOOP PUMP (WATER HEATER) MAINTENANCE/REPLACEMENTS.	UUU22	2012			20	1	19	\$0.00									
PE-	MS007	DOMESTIC HOT WATER PUMP REPLACEMENTS.	UUU24	2012			20	1	19	\$0.00									
PE-	MS008	LAUNDRY HOT WATER PUMP MAINTENANCE/REPLACEMENT.	UUU24	2012			20	1	19	\$0.00									

#### SCHOOLCRAFT COLLEGE; PHYSICAL EDUCATION - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFEI	RED MAINTENANCE	PLAN YEAR		
	ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE		UNIT	ITEM	6	7	8	9	10	
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020	2021	2022	2023	
PE-	MS009	LAUNDRY HOT WATER RETURN PUMP MAINTENANCE/REPLACEMENT.	UUU24	2012			5	1	4	\$0.00							
PE-	MS010	LAUNDRY WATER HEATER REPLACEMENT. REPLACED IN 2022.	UUU24	2022			15	1	14	\$0.00							
PE-	MS011	ELECTRIC WATER HEATER REPLACEMENTS	UUU24	2012			10	1	9	\$0.00							
PE-	MS012	AIR HANDLING UNIT REPLACEMENTS - AH-2 THRU AH-8.	UUU25	2012			40	1	39	\$0.00							
PE-	MS013	LAUNDRY ROOM SUPPLY AIR FAN MAINTENANCE/REPLACEMENT.	UUU25	2012	1	EA	40	1	39	\$0.00	\$ -	\$-	\$	- \$	· \$ -	\$	-
PE-	MS014	CABINET UNIT HEATER REPLACEMENTS - GENERAL.	UUU25	2012	10	EA	30	1	29	\$6,750.00	\$ 67,500	\$ 75,126	\$ 76,4	8 \$ 77,85	\$ 79,256	\$ 80,	0,683
PE-	MS015	UNIT HEATER REPLACEMENTS.	UUU25	2012			30	1	29	\$0.00							
PE-		BOILER REPLACEMENTS.	UUU22	2012			30	1	29	\$0.00							
PE-	MS017	CRAWL SPACE PROPELLER FAN REPLACEMENT.	UUU25	2012			20	1	19	\$0.00							
PE-	MS018	SAF-1 SYSTEM DUCT-MOUNTED HEATING COIL REPLACEMENTS.	UUU25	2012			25	1	24	\$0.00							
PE-	MS019	POOL WATER HEAT EXCHANGER	UUU22 / 2018 - REPLACED	2012			25	1	24	\$0.00							
		MAINTENANCE/REPLACEMENT.	TUBE BUNDLE.														
PE-	MS020	CHILLER MAINTENANCE/REPLACEMENTS.	UUU20 / 2018 - REPLACED COMPRESSOR 1 IN CHILLER 1 .	2012			20	1	19	\$0.00							
PE-	MS021	DOMESTIC WATER HEAT EXCHANGER.	UUU24	2012			20	1	19	\$0.00							
PE-	MS022	VAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	2011			25	2	23	\$0.00							
PE-	MS023	AIR HANDLING UNIT REPLACEMENT, AH-1 THERMAL STORAGE LOOP CHILLED WATER PUMP MAINTENANCE/REPLACEMENTS.	UUU25	2011			40	2	38	\$0.00							
PE-	MS024	HVAC SYSTEMS CLEANING.	UUU25	2001	80,000	SF	10	12	-2	\$1.15	\$ 92,000	\$-	\$	- \$	· \$ -	\$	-
PE-	MS025	JCI BAS SYSTEM.	UU06	2012	80,000	SF	20	1	19	\$0.00	\$-	\$-	\$	- \$	· \$ -	\$	-
PE-	MS026	HEATING HOT WATER PUMPS.	UUU22	2012			20	1	19	\$0.00							
PE-	MS027	CHW PUMPS.	UUU20	2012			20	1	19	\$0.00							
PE-	MS028	SUPPLY AND RETURN AIR GRILLES IN NATATORIUM.	520	1968	150	SF	25	45	-20	\$67.50	\$ 10,125	\$ 11,269					2,102
PE-	MS029	RETURN AIR FAN RAF-1.	UUU25	1968	1	EA	25	45	-20	\$6,075.00	\$ 6,075	\$ 6,761	\$ 6,8				7,261
PE-		EXHAUST FAN EF-3.	UUU25	1968	1	EA	25	45	-20	\$4,725.00	\$ 4,725	\$ 5,259	\$ 5,3				5,648
PE-		EXHAUST FAN EF-4.	UUU25	1968	1	EA	25	45	-20	\$4,725.00	\$ 4,725	\$ 5,259					5,648
PE-	MS032	ROOF MOUNTED HOODS.	UUU25	1968	14	EA	20	45	-25	\$2,000.00	\$ 28,000	\$ 31,163	\$ 31,7				3,468
		ELECTRICAL SYSTEMS (may be packaged with BI item scope)				r				40.00		\$ 659,200	\$ 671,00	6 \$ 683,14	\$ 695,442	\$ 590,	) <b>,163</b>
PE-		BUILDING SERVICE TRANSFORMER.	UUU04	2012			20	1	19	\$0.00							
PE-		MAIN SWITCHBOARD.	00005	2012			20		19	\$0.00							
PE-	ES003 ES004	STANDBY GENERATOR. LIFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25 UUU25	2008 2008			20 20	5	15 15	\$0.00 \$0.00				+	+		—
		STANDBY POWER SYSTEMS AUTOMATIC TRANSFER SWITCH						-									
PE-	ES005	(ATS). ALL INTERIOR MECHANICS REBUILT 2022.	UUU25	2022			20	5	15	\$0.00							
PE-	ES006	ELECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	2012			20	1	19	\$0.00							
PE-	ES007	VARIABLE FREQUENCY DRIVE (VFD) - GENERAL.	UUU25	2012			15	1	14	\$0.00							
PE-	ES008	VARIABLE FREQUENCY DRIVE (VFD) - MECHANICAL ROOM.	UUU25	2011			15	2	13	\$0.00							
PE-	ES009	LIGHTING AND RECEPTACLE PANELBOARDS.	UUU05	1968	1	LS	20	45	-25	\$94,000.00	\$ 94,000	\$ 104,620	\$ 106,5	3 \$ 108,42	) \$ 110,372	\$ 112	2,358
PE-		EXTERIOR BUILDING MOUNTED LIGHTING.	00025	2008			20	5	15	\$0.00				,	-,	,	
PE-	ES011	EXIT LIGHTING.	W06	2008			20	5	15	\$0.00							
PE-	ES012	CORRIDOR LIGHTING.	W06	1968	1	LS	20	45		\$177,660.00	\$ 177,660	\$ 197,732	\$ 201,2	1 \$ 204,91	\$ 208,603	\$ 212	2,357
PE-	ES013	CLASSROOM LIGHTING.	110	2009			20	4	16	\$0.00			Í	,-			
PE-	ES014	LOCKER ROOM LIGHTING.	525	2012	1	LS	20	1	19	\$141,750.00	\$ 141,750	\$ 157,765	\$ 160,6	4 \$ 163,49	5 \$ 166,438	\$ 169	9,434
PE-	ES015	SHOWER ROOM LIGHTING.	525	2012			20	1	19	\$0.00							
PE-	ES016	STORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	1968	1	LS	20	45	-25	\$47,250.00	\$ 47,250	\$ 52,588	\$ 53,5	5 \$ 54,49	\$ \$ 55,479	\$ 56,	6,478
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#### SCHOOLCRAFT COLLEGE; PHYSICAL EDUCATION - SCHEDULED MAINTENANCE PROGRAM

	EM			YEAR ITEM			AVG	TIME		ITEM						D MAINTENANCE PL			
OC N			FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM		6	7		8	9		10
	10.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST CO	бТ	2019	2020		2021	2022		2023
	6017		110	2000		1	20		10	\$0.00									
	5017 5018	VACANCY SENSOR LIGHTING CONTROLS (CLASSROOMS).	W05 AND W06	2009 2012		 LS	20	4	16 19	\$0.00	Ś 18		\$ 21,035	ć n	1,414	\$ 21,799	\$ 22,192	ć	22,591
-		VACANCY SENSOR LIGHTING CONTROLS (CORRIDORS). AEROBIC STUDIO LIGHTING.	520	2012	1	LS	20	5	15	\$18,900.00	\$ 18, \$ 14,		\$ 21,035 \$ 15,776	-	6,060	\$ 16,350	\$ 16,644	Ş	16,943
	5019 5020	MAIN GYM LIGHTING (PE110). REPLACED 2021.	520	2008	1	LS	20	45	25	\$14,175.00	\$ 98		\$ 109,684		1,658	\$ 113,668	\$ 115,714	ş Ş	10,945
	6020 6021	FITNESS CENTER LIGHTING.	520	2021		1.5	20	45	19	\$98,330.00	2 30,	550	\$ 105,084	ş 11	1,038	\$ 115,008	\$ 115,714	Ş	
	6021 6022	POOL LIGHTING.	520	2012	1	LS	20	0	20	\$0.00	ć		\$ -	Ś		\$ -	\$ -	Ś	
FL- L3	022	RAQUET BALL COURT LIGHTING. IMPROVEMENTS MADE TO	320	2018	1	LJ	20	•	20	ŞU.UU	Ş		Ş -	Ş		- ڊ	- ڊ	Ş	
PE- ES	023	THESE EXISTING FIXTURES ARE LIGHTING ELEMENT AND	520	2012 W/ 2020			30	1	29	\$0.00									
		BALLAST CHANGES.		MAINTENANCE															
		BUILDING SYSTEMS (fire, security, IT/media infrastructure)											\$ 490,700	\$ 499	),532	\$ 508,524	\$ 517,677	\$	526,996
PE- BS	5001	MAGNETIC HOLD OPENS FOR CORRIDOR DOORS THAT AUTO	UUU07	2014	8	EA	20	0	20	\$22,680.00	\$ 181	140	\$ -	\$		\$ -	\$ -	\$	
FL- B3	5001	RELEASE ON FIRE ALARM SYSTEM ACTIVATION.	00007	2014	8	LA	20	•	20	\$22,080.00	<b>9</b> 101,	440	ş -	Ş		ş -	ې -	Ş	-
PE- BS	5002	FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022	0	0	20	4	16	\$0.00	\$	-	\$-	\$	-	\$-	\$-	\$	-
PE- BS	5003	FIRE ALARM DEVICES.	UUU07	2009	0	0	20	4	16	\$0.00	\$	-	\$-	\$	-	\$-	\$-	\$	-
PE- BS	5004	BOILER EPO SYSTEM.	Y04	2012	0	0	20	1	19	\$3,375.00	\$	-	\$-	\$	-	\$-	\$-	\$	-
PE- BS	5005	CLOCK SYSTEM.	UUU25	1968	1	LS	20	45	-25	\$82,506.00	\$ 82,	506	\$ 91,827	\$ 9	3,480	\$ 95,163	\$ 96,876	\$	98,620
PE- BS	6006	SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$335,483.00	\$ 335,	483	\$ 373,385	\$ 38	0,106	\$ 386,948	\$ 393,913	\$	401,004
PE- BS	5007	SECURITY ACCESS SYSTEM. COMPLETED 2021.	UUU14	2021	1	LS	20	0	11	\$0.00	\$	-	\$-	\$	-	\$-	\$-	\$	-
PE- BS	8008	POOL BASEMENT CONDUITS.	UUU05	1968	1	LS	20	45	-25	\$10,000.00	\$ 10,	000	\$ 11,130	\$ 1	1,330	\$ 11,534	\$ 11,742	\$	11,953
PE- BS	5009	COMMUNICATION SYSTEMS.	UUU02	VARIOUS	20	EA	20		-	\$200.00	\$ 4,	000	\$ 4,452	\$	4,532	\$ 4,614	\$ 4,697	\$	4,781
PE- BS	5010	COMMUNICATION SYSTEMS.	UUU02	VARIOUS	1	EA	10		-	\$3,000.00	\$3,	000	\$ 3,339	\$	3,399	\$ 3,460	\$ 3,523	\$	3,586
PE- BS	5011	COMMUNICATION SYSTEMS.	UUU02	VARIOUS	1	LS	20		-	\$500.00	\$	500	\$ 556	\$	567	\$ 577	\$ 587	\$	598
PE- BS	5012	COMMUNICATION SYSTEMS.	UUU02	VARIOUS	24	EA	20			\$200.00	\$ 4,	800	\$ 5,342	\$	5,438	\$ 5,536	\$ 5,636	\$	5,737
PE- BS	5013	COMMUNICATION SYSTEMS.	UUU02	VARIOUS	24	EA	20		-	\$25.00	\$	600	\$ 668	\$	680	\$ 692	\$ 705	\$	717
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)											\$ 216,147	\$ 220	),144	\$ 224,107	\$ 228,141	\$	232,247
		REPLACE COMMERCIAL WASHERS AND DRYERS WITH OZONE																	
PE- SE	001	SYSTEM TO REDUCE WASHER HOT WATER USAGE. REPLACED 1	525	VARIOUS	1	LS	20	45	-25	\$35,000.00	\$ 35,	000	\$ 38,850	\$ 3	9,655	\$ 40,369	\$ 41,096	\$	41,835
		OF-2 WASHERS 2018 & 2-OF-2 WASHERS 2022. REPLACED 1-OF- 2 DRYERS 2018.																	
+		GYM BLEACHER REPLACEMENTS. WEST BLEACHERS WERE				1													
PE- SE	002	ELIMINATED.	520	1968	100	FT	30	45	-15	\$337.50	\$ 33,	750	\$ 75,126	Ş 7	6,478	\$ 77,855	\$ 79,256	\$	80,683
PE- SE	003	MAIN GYM BACKBOARD SYSTEM	520	1968	8	EA	30	45	-15	\$6,075.00	\$ 48	600	\$ 54,091	Ś 5	5,064	\$ 56,056	\$ 57,065	Ś	58,092
12 32	005	MAINTENANCE/REPLACEMENTS.	520	1500	0	L/1	50			<i>\$0,075.00</i>	φ 40,		\$ 54,051	γ J	5,004	\$ 50,050	\$ 57,005	Ŷ	50,052
PE- SE	004	MEN'S LOCKER ROOM LOCKER MAINTENANCE/REPLACEMENTS.	525	2009			25	4	21	\$0.00									
		WOMEN'S LOCKER ROOM LOCKER							-	44.44									
PE- SE	005	MAINTENANCE/REPLACEMENTS.	525	2011			25	2	23	\$0.00									
PE- SE	006	PE FITNESS CENTER LOCKER MAINTENANCE/REPLACEMENTS.	520	2011			25	2	23	\$0.00									
PE- SE	007	EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH	SSS16	VARIOUS	1	LS	25			\$43,200.00	\$ 43,	200	\$ 48,081	\$ 4	8,946	\$ 49,827	\$ 50,724	\$	51,637
		CURRENT COLLEGE BRANDING STANDARDS). ACCESSIBILITY IMPROVEMENTS		I I		I		1					\$ 84,141	\$ 90	656	\$ 87,197	\$ 88,767	\$	90,365
	1	IMPROVE BARRIER-FREE ACCESS TO PE LEVELS AT WEST END		I													· · · · ·	, ,	
PE- All	001	OF BUILDING (I.E. WHEELCHAIR LIFTS)	W05 AND W06	NONE	1	LS	20			\$75,600.00	\$       75,	600	\$ 84,141		5,656	\$ 87,197	\$ 88,767	\$	90,365
							A	NNUAL F	UNDIN	G REQUIREME	NTS (ROUNI	ED):	\$ 3,186,259.98	\$ 3,243,71	8.36	\$ 3,302,105.50	\$ 3,361,543.76	\$3,	304,253.77

															-		
	SCHEDULED MAINTENANC	E PROGRAM - YEAR ZERO:	2013		I	NFLAT	ION RAT	re (%)	<mark>:</mark> 1.8%				LEG	ND			
			<b>BUILDING AREA</b>									AVG:	AVERAGE		-		
	BUILDING SECTION (BUILDING TYPE)	BUILDING AGE (YRS)	(GSF)									CF: C	UBIC FEET				
	VISTATECH CENTER / WATERMAN WING - TOTAL (MULTI USE)		137,442										UBIC YARDS				
	WATERMAN - ORIGINAL	1965	35,870									EA: E			-		
	WATERMAN - EXPANSION	1981	7,948				ITC. A. A.	0.00					ESTIMATED USE		-		
		2002	93,624				ITEM N	0	JUES				GROSS SQUARE		-		
	VISTATECH CENTER - MEZZANINE MECHANICAL ROOM	2002	14,060 \$ 12,224,054	VEAD. 2022		ECCIDII	ITY IMPR		AENT				RESENT VALUE	/BLDG)	-		
		OG VALUE FOR BUILDING: VALUE FOR THE BUILDING:	\$ 75,027,800	- YEAR: 2023			EXTERIO		VIENT				ESTIMATED USE		-		
		TY CONDITION INDEX (FCI):	\$ 73,027,800 16%				NTERIOR						QUARE FEET		-		
	TACK		10%				SYSTEM						QUARE YARDS		-		
							L SYSTEN	1					YEARS		-		
	Calcalana ft	FCI	BUILDING CONDITION				CAL SYST						12.00				
	Schoolcraft College	FCI < 5%	GOOD				SYSTEM					DEM			TED		
	College	5%< FCI< 10%	FAIR		SG: SITE			·				KLIVI		<u>LIFE (RUL) BAROME</u> RUL = 1 YEAR OR			
							EQUIPM	ENT							LESS		
		10% < FCI	POOR		JE. J. L		2301111							RUL = 5 YEARS RUL = 10 YEARS C	R GREATER		
														10 ILANS C			
			YEAR ITEM			AVG	TIME		ITEM				DEFERRE	MAINTENANCE	PLAN YEAR		
ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RU	L UNIT	ITEM	6		7	8	9		10
LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YR	s) COST	FIRST COST	2019		2020	2021	2022		2023
VT- BE001	BUILDING ENVELOPE (includes items exterior to building)	MMM16	1996	131,000	SF	25	17	8	\$22.95	\$ 3,006,450	\$ 6,930,764 \$ 3,346,113		7,055,518 3,406,343	\$ 7,182,517 \$ 3,467,658	\$ 7,311, \$ 3,530,		7,443,415 3,593,617
VT- BE001 VT- BE002	WATERMAN WING (ORIGINAL) HIGH BAY REROOF. WATERMAN WING (EXPANSION) REROOF.	MMM16	1996	131,000	SF	25	16	9		\$ 3,006,450	\$ 3,346,113		3,406,343	\$ 3,467,658			3,593,617
VT- BE002 VT- BE003	VISTATECH SINGLE-PLY MEMBRANE REROOFING.	MMM18	2002			25	10	14		\$ 5,000,450	\$ 5,540,113	Ş	3,400,343	\$ 3,407,058	\$ 3,530,	J/5 Ş	3,593,017
																+	
VT- BE004	VISTATECH STANDING SEAM METAL MAINTENANCE/REPLACEMENT.	MMM16	2002			50	11	39	\$0.00								
VT- BE005	WATERMAN WING (ORIGINAL) REROOF.	MMM16	2009			25	4	21	\$0.00								
VT- BE006	WATERMAN WING (ORIGINAL) HIGH BAY STANDING SEAM METAL ROOFING MAINTENANCE/REPLACEMENT.	MMM16	2009			50	4	46	\$0.00								
VT- BE007	WATERMAN FOOD SERVICE DOCK STEEL FASCIA PANEL REPLACEMENT.	MMM16	1981	800	SF	25	32	-7	\$55.00	\$ 44,000	\$ 48,971	\$	49,853	\$ 50,750	\$ 51,	663 \$	52,593
VT- BE008	WATERMAN ROOF-MOUNTED, STEEL EQUIPMENT SCREEN WALL MAINTENANCE/REPLACEMENT.	MMM16	1981	1,700	SF	15	32	-17	\$48.00	\$ 81,600	\$ 90,819	\$	92,454	\$ 94,118	\$ 95,	812 \$	97,537
VT- BE009	REPLACE GASKETING SYSTEM ON VT EXTERIOR, ARCHITECTURAL STEEL PANELS.	MMM16	2002	4,500	SF	20	11	9	\$6.75	\$ 30,375	\$ 33,807		34,415	\$ 35,035	\$ 35,		36,307
VT- BE010	VT MAIN STREET SKY LIGHT MAINTENANCE.	MMM16	2002	1,800	SF	25	11	14	\$0.00	\$ -	\$.	\$	-	\$-	\$	- \$	-
VT- BE011	WATERMAN (HENRY'S) SKY LIGHT MAINTENANCE.	MMM16	2002	150	SF	25	11	14		\$ -	\$.	\$	-	\$-	\$	- \$	-
VT- BE012	VT PRECAST STONE MAINTENANCE (CLEANING AND SEALING).	MMM16	2002	9,000	SF	15	11	4	1.5	\$ 29,160	\$ 32,454	\$	33,039	\$ 33,633	\$ 34,	239 \$	34,855
VT- BE013	WATERMAN WING STONE WALL SYSTEM REPAIRS.	MMM16	2011			15	2	13	\$0.00								
VT- BE014	VT/WATERMAN EXTERIOR, STEEL FASCIA PANEL SYSTEM REGASKETING/GASKETING MAINTENANCE.	MMM16	2003	900	SF	20	10	10	\$6.75	\$ 6,075	\$ 6,761	\$	6,883	\$ 7,007	\$7,	133 \$	7,261
VT- BE015	WATERMAN SOUTH WING WALL LIMESTONE CAP REPLACEMENTS.	MMM16	1965	25	SF	50	48	2	\$85.00	\$ 2,125	\$ 2,365	\$	2,408	\$ 2,451	\$2,	495 \$	2,540
VT- BE016	PAINTING OF EXTERIOR SOFFIT AND WOOD BEAMS.	MMM16	2002	1,600	SF	15	11	4	\$2.36	\$ 3,776	\$ 4,203	\$	4,278	\$ 4,355	\$ 4,	434 \$	4,513
VT- BE017	VT MAIN STREET ENTRANCE CANOPY FASCIA PANEL MAINTENANCE.	MMM16	2002	1,230	SF	20	11	9	\$0.00	\$ -	\$ -	\$	-	\$ -	\$	- \$	-
VT- BE018		MMM16	VARIOUS	5,000	SF	20			\$0.00	\$ -	\$.	\$	-	\$ -	\$	- \$	
VT- BE019	VT ICE CARVING DECK REPLACEMENT.	MMM16	2002			35	11	24									
VT- BE020	WATERMAN FOOD SERVICE DOCK EDGE REPAIRS.	W04	2003	75	LF	20	10	10	\$229.50	\$ 17,213	\$ 19,157	\$	19,502	\$ 19,853		210 \$	20,574
	BUILDING INTERIOR										\$ 141,211	\$	143,753	\$ 146,341	\$ 148,9	175 \$	5 151,656
VT- BI001	MAIN STREET NORTH ENTRANCE VESTIBULE CARPET REPLACEMENT.	W06	2015	900	SF	5	0	5	\$7.09	\$ -	\$ .	\$	-	\$-	\$	- \$	-
VT- BI002	VISTATECH ACOUSTICAL TREATMENTS REPAIR/REPLACEMENT ALONG MAIN STREET.	W05 AND W06	2002	800	SF	20	11	9	\$35.00	\$ 28,000	\$ 31,163	\$	31,724	\$ 32,295	\$ 32,	877 \$	33,468
VT- BI003	WALL FINISH UPDATES - ALLOWANCE. 2018 PAINTING WORK IN VT400, VT404, VT404A, VT404B, VT470. 2019 PAINTING WORK IN VT500.	110, 210, 310, 610, 615, 630, 635, 680, 685, W05, W06 AND X03	VARIOUS						\$0.00								

#### SCHOOLCRAFT COLLEGE; VISTATECH-WATERMAN - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM				TIME		ITEM						D MAINTE				
LOC	ITEM NO.	ITEM	FICM	WAS PUT INTO SERVICE	ITEM TOTAL QUANTITY	ITEM UNITS				UNIT COST	ITEM FIRST COST		6 019		7 2020	8 20		9 2022		10 2023
LUC	140.	I LIVI	CODE	INTO SERVICE	QUANTIT	0.1110	(113)	(113)	(113)			_				20	21	2022		2023
VT-	BI004	FLOOR FINISH UPDATES - ALLOWANCE. 2018 CARPET REPLACEMENT IN VT400, VT402, VT404, VT404A, VT404B, VT470. 2019 CARPET REPLACEMENT IN VT500. 2020 LOWER WATERMAN STUDENT ACTIVITIES SUITE CARPET REPLACEMENT.	110, 210, 310, 610, 615, 630, 635, 680, 685, W05, W06 AND X03	VARIOUS				-	-	\$0.00										
VT-	BI005	FURNITURE UPDATES IN VT - ALLOWANCE.	110, 210, 310, 610, 630, 680, 685, W05 AND W06	VARIOUS						\$0.00										
VT-	BI006	VISTATECH PRESENTATION ROOM FLOORING INSTALLATIONS.	610	2002	1,200	SF	15	11	4	\$7.09	\$ 8,508	\$	9,469	\$	9,640	\$	9,813	\$ 9,990	\$	10,170
VT-	BI007	MAIN STREET INTERIOR, RED STEEL PANEL SYSTEM REGASKETING.	W05 AND W06	2002	700	SF	25	11	14	\$6.75	\$ 4,725	\$	5,259	\$	5,353	\$	5,450	\$ 5,548	\$	5,648
VT-	BI008	VISTATECH PRESENTATION ROOM SEATING REPLACEMENT.	610	2002			20	11	9	\$0.00										
VT-	BI009	REPLACE/UPDATE HENRY'S BOOTHS AND BENCHES.	630	2013	125	LF	20	0	20	\$450.00	\$ -	\$	-	\$	-	\$	-	\$.	\$	-
VT-	BI010	WATERMAN WING STONE WALL SYSTEM REPAIRS WITHIN SOUTH ENTRY VESTIBULE.	W07	2003			20	10	10	\$0.00										
VT-	BI011	REPLACEMENT OF LOWER WATERMAN STEEL STAIRWELL DOORS.	W07	1965	2	EA	50	48	2	\$4,800.00	\$ 9,600	\$	10,685	\$	10,877	\$	11,073	\$ 11,272	\$	11,475
VT-	BI012	LOWER WATERMAN MOVABLE DIVIDER WALL MAINTENANCE/REPLACEMENT.	670	2009			20	4	16	\$0.00										
VT-	BI013	VISTATECH DIPONIO ROOM MOVABLE DIVIDER WALL MAINTENANCE/REPLACEMENT.	610	2012			20	1	19	\$0.00										
VT-	BI014	WATERMAN WING STUDENT ACTIVITIES FURNITURE MAINTENANCE/UPDATES.	670	VARIOUS						\$0.00										
VT-	BI015	LOWER WATERMAN STORAGE AREA ASBESTOS CONTAINING VCT FLOORING ABATEMENT/REPLACEMENT.	730			SF				\$4.73										
VT-	BI016	AMERICAN HARVEST RESTAURANT FLOORING REPLACEMENT.	630	2003	2,130	SF	35	10	25	\$4.73	\$ 10,075	\$	11,213	\$	11,415	\$	11,620	\$ 11,830	\$	12,043
VT-	BI017	DIPONIO ROOM WALL FINISH UPDATES.	630	VARIOUS						\$0.00										
VT-	BI018	DIPONIO ROOM WALL FINISH UPDATES.	630	VARIOUS						\$0.00										
VT-	BI019	DIPONIO ROOM FURNITURE UPDATES.	630	VARIOUS						\$0.00										
VT-	BI020	VISTATECH INTERIOR DOOR REPLACEMENT.	635	2003	4	EA	50	10	40	\$1,450.00	\$ 5,800	\$	6,455		6,571		6,690	\$ 6,810	\$	6,933
VT-	BI021	WATERMAN SLIDING GLASS DOOR MAINTENANCE.	630	2003	70	LF	15	10	5	\$0.00	\$ -	\$	-	\$	-	\$	-	\$.	\$	-
VT-	BI022	WATERMAN CARPET REPLACEMENT.	680 AND 685	2003	1,400	SF	15	10	5	\$7.09	\$ 9,926	\$	11,047		11,246	\$	11,449	\$ 11,655		11,865
VT-	BI023	WATERMAN UPGRADE CEILING.	670	2003	1,260	SF	35	10	25	\$4.32	\$ 5,443	\$	6,058	\$	6,167	\$	6,278	\$ 6,391	\$	6,506
VT-	BI024	WATERMAN FOLDING PARTITION MAINTENANCE / REPLACEMENT	680	2011	1,280	SF	20	2	18	\$35.00	\$ 44,800	\$	49,861	\$	50,759	\$	51,673	\$ 52,603	\$	53,550
VT-	PS001	PLUMBING SYSTEMS (may be packaged with BI item scope) WATERMAN TOILET ROOM FIXTURES, LAVATORIES, URINALS AND SINKS	X03	2003	18	EA	40	10	30	\$0.00	\$-	\$	-	\$	-	\$ \$	-	<mark>\$ -</mark> \$ -	\$	-
VT-	PS002	SINKS VISTATECH TOILET ROOM FIXTURES, LAVATORIES, URINALS AND SINKS	X03	2002	64	EA	40	11	29	\$0.00	\$-	\$	-	\$	-	\$	-	\$ ·	\$	-
		MECHANICAL SYSTEMS (may be packaged with BI item scope)										\$ 3	483,789	\$ 3	3.546.497	\$ 3.6	10.334	\$ 3.675.320	Ś	3,741,476
VT-	MS001	VT BOILER REPLACEMENTS.	UUU22	2002	7	EA	15	11	4	\$53,325.00	\$ 373.275	Ś	415,447	Ś	422,925		430,538	\$ 438,287		446,176
_	MS002	VT HEATING HOT WATER PUMP REPLACEMENTS.	UUU22	2002	2	EA	20	11	9	\$30,375.00	\$ 60.750	Ś	67,613	Ś	68,830	Ś	70,069	\$ 71,331		72,615
VT-	MS003	VT CABINET UNIT HEATER REPLACEMENTS.	UUU25	2002			25	11	14	\$0.00				,			.,	, ,,,	1	
VT-	MS004	VT DUCT HEATING COIL REPLACEMENTS.	UUU22	2002			25	11	14	\$0.00										
VT-	MS005	VT CHILLER REPLACEMENTS.	UUU20	2014	2	EA	20	0	20	\$379,700.00	\$ -	\$	-	\$	-	\$	-	\$.	\$	
VT-	MS006	VT CHILLED WATER PUMP REPLACEMENTS.	UUU20	2014	2	EA	20	0	20	\$36,525.00	\$ -	\$	-	\$	-	\$	-	\$ .	\$	
VT-	MS007	VT AIR HANDLING UNIT REPLACEMENTS.	UUU25	2003	12	EA	30	10	20	\$0.00	\$ -	\$	-	\$	-	\$	-	\$ .	\$	
VT-	MS008	VT TOILET EXHAUST FAN MAINTENANCE/REPLACEMENTS.	X03	2003	2	EA	20	10	10	\$14,025.00	\$ 28,050	\$	31,219	\$	31,781	\$	32,353	\$ 32,935	\$	33,528
VT-	MS009	VT ELECTRIC ROOM VENTILATION SYSTEM MAINTENANCE/REPLACEMENTS.	Y04	2002			20	11	9	\$0.00										
	MS010	VT VAV BOX MAINTENANCE/REPLACEMENTS.	UUU25	2002			25	11	14	\$0.00										
VT-	MS011	VT SPLIT SYSTEM A/C REPLACEMENTS FOR TELECOM CLOSETS.	UUU25	2002			15	11	4	\$0.00										
VT-	MS012	VT WALK-IN COOLER REFRIGERATION EQUIPMENT MAINTENANCE/REPLACEMENTS.	635	2002	25	EA	15	11	4	\$42,625.00	\$ 1,065,625	\$ 1	L,186,017	\$	1,207,366	\$ 1,	229,098	\$ 1,251,222	\$	1,273,744
VT-	MS013	VT KITCHEN EXHAUST FAN MAINTENANCE/REPLACEMENTS.	635	2002	19	EA	20	11	9	\$14,175.00	\$ 269,325	\$	299,753	\$	305,148	\$	310,641	\$ 316,233	\$	321,925
VT-	MS014	WATERMAN KITCHEN EXHAUST FAN MAINTENANCE/REPLACEMENTS.	635	2003	2	EA	20	10	10	\$14,175.00	\$ 28,350	\$	31,553	\$	32,121	\$	32,699	\$ 33,288	\$	33,887

### SCHOOLCRAFT COLLEGE; VISTATECH-WATERMAN - SCHEDULED MAINTENANCE PROGRAM

			YEAR ITEM				TIME		ITEM				RED MA	INTENANCE PI			
ITEM		FICM	WAS PUT	ITEM TOTAL			IN USE (YRS)		UNIT COST	ITEM FIRST COST	6 2019	7 2020		8	9		10
LOC NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	CUSI	FIRST COST	2019	2020		2021	2022		2023
	ERMAN WALK-IN COOLER REFRIGERATION EQUIPMENT NTENANCE/REPLACEMENTS.	635	VARIOUS	8	EA	15			\$37,125.00	\$ 297,000	\$ 330,555	\$ 336,50	)5 \$	342,562	\$ 348,72	28 \$	355,005
	ERMAN AIRFLOW MEASURING STATION REPLACEMENTS.	UUU25	2003	2	EA	10	10	0	\$52,025.00	\$ 104,050	\$ 115,805	\$ 117,89	90 \$	120,012	\$ 122,17	2 \$	124,371
VT- MS017 WATE	ERMAN AIR HANDLING UNIT REPLACEMENTS.	UUU25	1965	2	EA	40	48	-8	\$32,025.00	\$ 64,050	\$ 71,286	\$ 72,56	i9 \$	73,876	\$ 75,20	)5 \$	76,559
VT- MS018 WATE	ERMAN DOMESTIC WATER BOILER REPLACEMENTS.	UUU24	2004	1	EA	15	9	6	\$45,225.00	\$ 45,225	\$ 50,334	\$ 51,24	40 \$	52,163	\$ 53,10	)2 \$	54,058
VT- MS019 HVAC	C SYSTEMS CLEANING.	UUU25	VARIOUS	35,000	SF	10	-		\$1.15	\$ 40,250	\$ 44,797	\$ 45,60	)4 \$	46,425	\$ 47,26	50 \$	48,111
VT- MS020 VT/W	VATERMAN MECHANICAL SYSTEMS RETRO COMMISSIONING .	UUU25	NONE	130,000	SF	10	ł		\$2.50	\$ 325,000	\$ 361,718	\$ 368,22	9\$	374,857	\$ 381,60	94 \$	388,473
VT- MS021 WATE	ERMAN BOILERS.			2	EA	20	-		\$42,525.00	\$ 85,050	\$ 94,659	\$ 96,36	53 \$	98,097	\$ 99,86	53 \$	101,660
	ERMAN KITCHEN MAKEUP AIR UNITS.	635	2003	2	EA	20	10	10	\$125,550.00	•	\$ 279,469	\$ 284,49		289,620	\$ 294,83		300,140
VT- MS023 VISTA	ATECH DOMESTIC WATER HEATER.	UUU24	2002	2	EA	10	11	-1	\$46,525.00	\$ 93,050	\$ 103,563	\$ 105,42	_	107,324	\$ 109,25		111,223
	TRICAL SYSTEMS (may be packaged with BI item scope)						-				\$ 637,899	\$ 649,38	1\$	661,070	\$ 672,96	9 \$	685,083
	UILDING SERVICE TRANSFORMER.	UUU04	2002			20	11	9	\$0.00								
	IAIN SWITCHBOARD.	UUU05	2002			20	11	9	\$0.00								
	TANDBY GENERATOR.	UUU25	2002			20	11	9	\$0.00	-							
	IFE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2002			20	11	9	\$0.00								
	TANDBY POWER SYSTEMS ATS.	UUU25	2002			20	11	9	\$0.00								
	LECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	2002			20	11	9	\$0.00				_				
	ARIABLE FREQUENCY DRIVE (VFD). FIVE (5) VFDs WERE ACED IN 2014.	UUU25	VARIOUS			15			\$0.00								
	IGHTING AND RECEPTACLE PANELBOARDS.	UUU05	2002			20	11	9	\$0.00								
VT- ES009 VT PR	RESENTATION ROOM POWER AT SEATING AREA.	UUU05	NONE	1	LS	20			\$2,025.00	\$ 2,025	\$ 2,254	\$ 2,29	94 \$	2,336	\$ 2,37	/8 \$	2,420
VT- ES010 VT EX	XTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2002	17	EA	20	11	9	\$708.75	\$ 12,049	\$ 13,410	\$ 13,65	51 \$	13,897	\$ 14,14	17 \$	14,402
VT- ES011 VT EX	XIT LIGHTING.	W06	2002			20	11	9	\$0.00								
VT- ES012 VT M	IAIN STREET CORRIDOR AND PUBLIC AREA LIGHTING.	W05 AND W06	2002			20	11	9	\$0.00								
VT- ES013 VT TE	EACHING/WORKSPACE LIGHTING.	110 AND 210	2002			20	11	9	\$0.00								
	IFFICE AND MEETING AREA LIGHTING.	310 AND 350	2002			20	11	9	\$0.00								
	TAIN STREET EXTERIOR ENTRANCE CANOPY LIGHTING.	UUU10	2002	25	EA	20	11	9	\$708.75	\$ 17.719	\$ 19,721	\$ 20,07	′6 Ś	20,437	\$ 20,80	)5 Ś	21,179
	IAIN STREET INTERIOR VESTIBULE LIGHTING.	W06	2002	6	EA	20	11	9	\$650.00	\$ 3,900	\$ 4,341	\$ 4,41		4,498	\$ 4,57		4,662
	CE CARVING DECK LIGHTING.	UUU25	2002	7	EA	20	11	9	\$743.00	\$ 5,201	\$ 5,789	\$ 5,89		5,999	\$ 6,10		6,217
	MERICAN HARVEST RESTAURANT LIGHTING. 2020												-	-,			
ETC L	LIGHTING CONTROLS UPGRADE (\$11,140.65)	630	2002			20	11	9	\$0.00	-							
	IPONIO ROOM LIGHTING. 2020 ETC LIGHTING CONTROLS RADE (\$24,131.97)	610	2002			20	11	9	\$0.00								
VT- ES020 VT ST	TORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	2002			20	11	9	\$0.00	-							
VT- ES021 VT VA	ACANCY SENSOR LIGHTING CONTROLS.	610	NONE	1	LS	20			\$25,000.00	\$ 25,000	\$ 27,824	\$ 28,32	5 \$	28,835	\$ 29,35	54 \$	29,883
VT- ES022 VT VA	ACANCY SENSOR LIGHTING CONTROLS.	110 AND 210	NONE	1	LS	20			\$50,000.00	\$ 50,000	\$ 55,649	\$ 56,65		57,670	\$ 58,70	98 \$	59,765
	IAIN STREET DAY LIGHTING CONTROLS.	W05 AND W06	NONE	1	LS	20			\$75,000.00	\$ 75,000	\$ 83,473	\$ 84,97	6\$	86,505	\$ 88,06	53 \$	89,648
	UILDING SERVICE TRANSFORMER.	UUU04	2002			20	11	9	\$0.00								
	IAIN SWITCHBOARD.	UUU05	1965	1	EA	20	48	-28	\$81,000.00	\$ 81,000	\$ 90,151	\$ 91,77	4 \$	93,426	\$ 95,10	98 \$	96,819
	FANDBY GENERATOR.		NONE			20			\$0.00								
	FE SAFETY AUTOMATIC TRANSFER SWITCH (ATS).	UUU25	2003			20	10	10	\$0.00								
	FANDBY POWER SYSTEMS ATS.	UUU25	2003			20	10	10	\$0.00								
	ECTRICAL DISTRIBUTION EQUIPMENT.	UUU05	VARIOUS	2	EA	20			\$81,000.00	\$ 162,000	\$ 180,302	\$ 183,54	18 \$	186,852	\$ 190,21	L5 \$	193,639
	ARIABLE FREQUENCY DRIVE (VFD).	UUU25	VARIOUS	1	LS	15			\$0.00	Ş -	Ş -	Ş	- \$	-	Ş	- \$	-
	GHTING AND RECEPTACLE PANELBOARDS (ORIGINAL).	UUU05	1965	4	LS	20	48	-28	\$25,000.00	\$ 100,000	\$ 111,298	\$ 113,30	)1 \$	115,341	\$ 117,41	.7 \$	119,530
	GHTING AND RECEPTACLE PANELBOARDS (NEWER).	UUU05	VARIOUS			20			\$0.00						1		
	KTERIOR BUILDING MOUNTED LIGHTING.	UUU25	2003	6	EA	20	10	10	\$708.75	\$ 4,253	\$ 4,733	\$ 4,81	8 \$	4,905	\$ 4,99	93 Ş	5,083
	KIT LIGHTING.	W05 AND W06	2003			20	10	10	\$0.00				_				
	ORRIDOR LIGHTING.	W05 AND W06	2003			20	10	10	\$0.00								
	LASSROOM LIGHTING. 2020 LIGHTING CONTROLS UPGRADE 897.53); INCLUDES HENRY'S CAFETERIA.		VARIOUS			20			\$0.00								
VT- ES037 W OF	FFICE LIGHTING.	310	VARIOUS			20			\$0.00								
VT- ES038 W ST	FORAGE AND UTILITY ROOM LIGHTING.	X01 AND Y04	VARIOUS	1	LS	20			\$20,000.00	\$ 20,000	\$ 22,260	\$ 22,66	50 \$	23,068	\$ 23,48	33 \$	23,906
VT- ES039 W VA	ACANCY SENSOR LIGHTING CONTROLS.	110 AND 680	NONE	1	LS	20			\$15,000.00	\$ 15,000	\$ 16,695	\$ 16,99	95 \$	17,301	\$ 17,61	\$	17,930

#### SCHOOLCRAFT COLLEGE; VISTATECH-WATERMAN - SCHEDULED MAINTENANCE PROGRAM

				YEAR ITEM			AVG	TIME		ITEM			DEFE	RRED	MAINTENANCE P	LAN YEAR	
	ITEM		FICM	WAS PUT	ITEM TOTAL	ITEM	EUL	IN USE	RUL	UNIT	ITEM	6	7		8	9	10
LOC	NO.	ITEM	CODE	INTO SERVICE	QUANTITY	UNITS	(YRS)	(YRS)	(YRS)	COST	FIRST COST	2019	2020		2021	2022	2023
	-	BUILDING SYSTEMS (fire, security, IT/media infrastructure)		_					_			\$ 7,513	\$ 7,0	648	\$7,785	\$ 7,926	\$ 8,068
VT-	BS001	VT FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00							
VT-		VT FIRE ALARM DEVICES.	UUU07	2010			20	3	17	\$0.00							
VT-	BS003	VT BOILER EPO SYSTEM.	Y04	NONE	1	EA	20			\$3,375.00	\$ 3,375	\$ 3,756	\$3,	324	\$ 3,893	\$ 3,963	\$ 4,034
VT-	BS004	VT PRIMAX CLOCK SYSTEM.	UUU25	2002			20	11	9	\$0.00							
VT-	BS005	VT SECURITY SURVEILLANCE SYSTEM.	UUU14	2004			20	9	11	\$0.00							
VT-	BS006	VT SECURITY ACCESS SYSTEM. IMPROVEMENTS WERE MADE IN 2019.	UUU14	2004			20	9	11	\$0.00							
VT-	BS007	W FIRE ALARM SYSTEM MAIN AND REMOTE PANELS.	UUU07	2022			20	-9	29	\$0.00							
VT-	BS008	W FIRE ALARM DEVICES.	UUU07	2010			20	3	17	\$0.00							
VT-	BS009	W BOILER EPO SYSTEM.	Y04	NONE	1	EA	20			\$3,375.00	\$ 3,375	\$ 3,756	\$ 3,	324	\$ 3,893	\$ 3,963	\$ 4,034
VT-	BS010	W CLOCK SYSTEM.	UUU25	1965	1	LS	20	48	-28	\$0.00	\$ -	\$-	\$	- (	\$-	\$-	\$-
VT-	BS011	W SECURITY SURVEILLANCE SYSTEM.	UUU14	2004	1	LS	20	9	11	\$0.00	\$-	\$-	\$	- (	\$-	\$-	\$-
VT-	BS012	W SECURITY ACCESS SYSTEM. IMPROVEMENTS WERE MADE IN 2019.	UUU14	2004	1	LS	20	9	11	\$0.00	\$-	\$-	\$	- :	\$ -	\$ -	\$-
		SPECIALTY EQUIPMENT (food service, theatre, labs, shops)										\$ 180,970	\$ 184,2	28	\$ 187,544	\$ 190,920	\$ 194,356
VT-	SE001	FOOD SERVICE DISHWASHER REPLACEMENT.	635	1986	1	EA	20	27	-7	\$45,025.00	\$ 45,025	\$ 50,112	\$ 51,	014	\$ 51,932	\$ 52,867	\$ 53,818
VT-	SE002	EXTERIOR BUILDING SIGNAGE UPGRADE (COMPLIANCE WITH CURRENT COLLEGE BRANDING STANDARDS).	SSS16	VARIOUS	1	LS	25			\$44,000.00	\$ 44,000	\$ 48,971	\$ 49,	353	\$ 50,750	\$ 51,663	\$ 52,593
VT-	SE003	ELEVATOR MAJOR MAINTENANCE.	W02	1981	1	LS	25	32	-7	\$40,000.00	\$ 40,000	\$ 44,519	\$ 45,	320	\$ 46,136	\$ 46,967	\$ 47,812
VT-	SE004	VT/WATERMAN COMMERCIAL KITCHEN EQUIPMENT REPLACEMENTS - ALLOWANCE.	635	VARIOUS			-			\$0.00							
VT-	SE005	VT CULINARY ARTS DOCK LEVELER REPLACEMENT.	635	2018	1	LS	20	0	20	\$0.00	\$-	\$-	\$	- (	\$-	\$-	\$-
VT-	SE006	DIPONIO ROOM STAGE LIGHTING SYSTEM UPGRADES.	610	VARIOUS			15			\$0.00							
VT-	SE007	STAGE LIGHTING UPGRADES.	610	2002	1	LS	15	11	4	\$5,000.00	\$ 5,000	\$ 5,565	\$5,	565	\$ 5,767	\$ 5,871	\$ 5,977
VT-	SE008	WATERMAN FOOD SERVICE DOCK LEVELER MAINTENANCE	635	2003	1	LS	20	10	10	\$22,275.00	\$ 22,275	\$ 24,792	\$ 25,	238	\$ 25,692	\$ 26,155	\$ 26,625
VT-	SE009	WATERMAN IT SYSTEMS	UUU02	VARIOUS	24	EA	20			\$200.00	\$ 4,800	\$ 5,342	\$ 5,	138	\$ 5,536	\$ 5,636	\$ 5,737
VT-	SE010	WATERMAN IT SYSTEMS	UUU02	VARIOUS	48	EA	20			\$25.00	\$ 1,200	\$ 1,336	\$ 1,	360	\$ 1,384	\$ 1,409	\$ 1,434
VT-	SE011	VISTATECH IT SYSTEMS	UUU02	VARIOUS	3	EA	20			\$50.00	\$ 150	\$ 167	\$	170 \$	\$ 173	\$ 176	\$ 179
VT-	SE012	VISTATECH IT SYSTEMS	UUU02	VARIOUS			20			\$0.00							
VT-	SE013	VISTATECH IT SYSTEMS	UUU02	VARIOUS			20			\$0.00							
VT-	SE014	VISTATECH IT SYSTEMS	UUU02	VARIOUS			20			\$0.00							
VT-		VISTATECH IT SYSTEMS	UUU02	VARIOUS	3	EA	20			\$50.00	\$ 150	\$ 167	\$	170 \$	\$ 173	\$ 176	\$ 179
VT-		VISTATECH IT SYSTEMS	UUU02	VARIOUS			20			\$0.00							
		ACCESSIBILITY IMPROVEMENTS															
VT-		NONE															
								ANNU	IAL FU	NDING REQUIRE	MENTS (ROUNDED):	\$ 11,382,146	\$ 11,587,	025	\$ 11,795,591	\$ 12,007,912	\$ 12,224,054
												• • • •	•				

Asset Acct: SCHOOLCRAFT COLLEGE

As of 10/1/22

REAL ESTATE - BUILDING

Summary by:	Replacement Value New	Sound or Depr. Value
GROTE CENTER	5,210,600.00	2,865,800.00
HEALTH SCIENCE CTR	37,059,300.00	29,276,900.00
BRADNER LIBRARY	7,996,600.00	4,078,300.00
CAMPUS GARAGE	348,600.00	261,400.00
CHILDRENS' CENTER	1,726,900.00	1,329,700.00
FORUM	22,817,900.00	11,408,900.00
LIBERAL ARTS	15,891,800.00	7,151,300.00
MCDOWELL CENTER	21,447,200.00	16,299,900.00
PHYSICAL EDUCATION/ESC	43,310,500.00	30,317,300.00
SERVICE BUILDING	10,781,700.00	6,792,500.00
WATERMAN CAMPUS/ VISTA TECH CENTER	75,027,800.00	59,272,000.00
GREENHOUSE	288,300.00	242,200.00
SALT STORAGE	234,000.00	177,800.00
KILN SHELTER	247,900.00	208,200.00
BIOMEDICAL TECH CTR.	19,787,400.00	16,819,300.00
FIRE TRAINING SERVICE	92,100.00	82,000.00
FIRE TRAINING TOWER	1,467,400.00	1,306,000.00

CONTINUED.....

### R.A. SCHETTLER, INC SUMMATION OF

### Asset Acct: SCHOOLCRAFT COLLEGE

As of 10/1/22

### REAL ESTATE - BUILDING

Summary by:	Replacement Value New	Sound or Depr. Value
ACADEMY	6,268,800.00	5,077,700.00
FIRE ARMS	10,330,600.00	8,677,700.00
JEFFRESS CENTER	34,024,700.00	24,838,000.00
MASCO	28,573,900.00	26,859,500.00
SOCCER DOME	8,665,400.00	8,145,500.00
MANUFACTURING AND ENGINEERING CENTER	14,976,400.00	13,778,300.00
LIVONIA MEDICAL CENTER	45,417,500.00	44,509,100.00

ASSET ACCOUNT GRAND TOTAL	411,993,300.00	317,775,300.00
PERCENT DEPRECIATION	Х	

Institution Name: Schoolcraft College

Project Title: Forum Building Modernization

Project Focus: <u>Academic</u>

Type of Project: <u>Renovation</u>

Program Focus of Occupants: Sciences with Fine Arts

**Building Area Calculations (approximates):** 

### Total Renovated Science Classroom & Laboratory Spaces: 8731 Square Feet

5,931 Square Feet with 2,800 Square Feet new, dedicated mezzanine. Equating to four (4) classrooms; two (2) chemistry laboratories; and five (5) chemistry support spaces. Entirely new HVAC & exhaust systems for chemistry laboratories and their support spaces. Mezzanine for housing laboratory mechanical and electrical equipment as well as addressing safety of maintenance personnel outlined elsewhere in this Project Request.

# Estimated Total Building Area for Lighting System Upgrades:

5,931 Square Feet of instructional space and all building corridors.

### ADA (Barrier-Free) Improvements:

Egress paths and all instructional spaces throughout entire 54,891 Square Feet building.

# **Opinion of Probable Total Cost: \$12,042,363**

Base Construction Budget (CM / Construction Trades / General Conditions): \$9,821,242

Professional Services Contract & Accounts for Escalation up to 2025: \$2,062,458

<u>Furnishings & Equipment (laboratory casework, classroom furniture, & instructional aids):</u> \$158,663

# **Estimated Start / Completion Dates:**

Design (Programming – CDs): October 2023 – April 2024

Bidding: May – June 2024

Construction: July 2024 – August 2025 (sequenced to minimize Chemistry Labs downtime)

Closeout: September – November 2025

Is the Five-Year Plan posted on the institutions public internet site? Yes

Is the requested project the top priority in the Five-Year Capital Plan? Yes

Is the requested project focused on a single, stand-alone facility? Yes

# **Project Purpose:**

A. To address ADA accessibility issues in egress paths and instructional spaces throughout entire Forum Building using consultant-guided self-study conducted in 2018 under title *Practical Understanding of Accessibility Guidelines & Supporting Practices* (included in Project Request).

B. Address Indoor Environmental Quality (IEQ) issues in chemistry labs and their support spaces that include indoor air quality (e.g. ventilation of fumes); excessively negative room air pressure; and functional aspects of instructional spaces (e.g. improved room layouts, maintenance personnel safety).

C. Reduce consumption of water (laboratory faucets) and electricity (lighting and fume hood exhaust).

# **Project Scope:**

<u>General</u>: This project scope has two (2) constraints. The first being 12 to 15 million dollar total budget limitation to ensure Schoolcraft College has adequate funds to finance their half. The second being, to avoid Forum Building renovation in spaces highly probable for repurposing in future.

<u>ADA Improvements</u>: This building has 1963 (pre-ADA) construction issues to address. Schoolcraft College also intends to incorporate non-required barrier-free improvements; such as forward approaching faucets vs. side approach. The most substantial, single investment here will be providing a means for wheelchair travel between upper and lower halves of Forum Building. Original construction uses ramped corridors that are far too steep for ADA compliance. Currently, persons in wheelchairs travel adjacent sidewalks outside Forum Building accessing upper and lower building entrances as accommodation measure.

<u>Lighting Upgrades</u>: Renovated classrooms, labs, lab support spaces, and all building corridors – identified on Forum Building plan included in this Project Request – to receive change from T8 fluorescent to LED light fixtures that offer energy use reduction by as much as 30%; a sharp decline in maintenance costs; reduced environmental impact from parts disposal; and preservation of natural resources. In addition, an automated lighting control system will upgrade from stand-alone toggle switches and local occupancy sensors. Lighting will be controlled by application-based schemes in addition to functionality required by current energy code enforced.

<u>Classroom Enlargement & Furniture Replacement:</u> Enlarging two (2) classrooms primarily used for chemistry course lectures. Current room sizes cannot accommodate required class sizes without use of narrow tables. ADA accessibility within these classrooms is not fully possible without furniture rearrangement. Replacing bowed tables in these spaces as part of upgrade.

## Chemistry Lab Improvements:

**Issue of Indoor Air Quality & Room Pressurization Control** – There are two (2), 1963 chemistry laboratories that we modified in mid-2000s to increase fume hood quantity from five (5) per lab to eleven (11) per lab. The basis-of-design relied on manufacturer's equipment performance data, passively drawing air back for return air tunnels as means of conditioned make-up air (i.e. maintaining room air pressure); and that exhaust fans discharging into a ridge vent would not derate fan performance. Those assumptions have proven unreliable. Make-up air not only coming from return air tunnels, but adjacent corridors and chemical storage rooms at varying temperatures and introducing odors. The increased demand for exhaust air from original 1963 construction causes negative space pressure sensed on eardrums when corridor doors are closed and fume hoods are operating. This project provides dedicated mechanical equipment to mitigate issues mentioned above. Roofline modifications are involved to discharge fumes high enough into outdoor airstream where they cannot reenter the building.

**Maintenance Staff Safety** – Installing attic space catwalks with handrails and service platforms to mitigate fall risks when servicing fume hood fans, general exhaust fans, and their motor controls. Incorporating a mezzanine in attic space for operating and maintaining new make-up air HVAC equipment and power distribution equipment serving renovated spaces below.

**Space Plan Improvements** – Repositioning fume hoods providing better sight lines towards centralized location for lab introductions and post-lab debriefing.

**Upgrading Fume Hoods from CAV to VAV Exhaust** – VAV fume hoods only exhaust air in quantity needed for specific experiment as opposed to CAV fume hoods that exhaust air in fixed quantity anytime the hood is in use. VAV fume hoods are more costly to install, but energy savings they provide (electrical and HVAC) provides a short-term return on investment.

**Water Consumption** – Reducing water use by upgrading 2.2 GPM flow laboratory-plumbing fixtures to high-efficiency 1.5 GPM models (nominal 30% less water per fixture).

**Replacement of Obsolete Exhaust Fan Motor Controllers** – While recently addressing failing electronic motor controllers, used to maintain specified fume hood airflow, College maintenance was informed that the controllers were obsoleted and no longer available in whole or as parts. This project would upgrade those controllers to equipment that is sustainable.

# Additional Information:

- 1. How does the project enhance Michigan's job creation, talent enhancement, and economic growth initiatives on a local, regional, and/or statewide basis?
  - a. Environmental scans indicate careers in Health Sciences in Southeast Michigan are high growth/high income fields. Many of these programs, such as Imaging related and Surgical Technology, require course work in Biology and Chemistry, which in turn require specialty classroom and laboratory space.
  - b. Additionally, the opportunity for renovated physics labs would provide better courses and equipment for our future engineers who are often the innovators within industry and the State and global automotive industry. There are numerous opportunities for these students within Southeast Michigan as they complete their program degrees.
  - c. Surrounded by the Great Lakes, Michigan is truly germane to the conversation and research in Earth and Environmental Sciences. Providing lab spaces for this newer discipline to Schoolcraft College, will engage students in the important work that lies ahead of us regionally in this area.

# 2. How does the project enhance the core academic and/or research mission of the institution?

- a. All students who earn an Associate's degree, tackle the MTA, earn credit for transfer, or participate in some occupational certificates at Schoolcraft College will need to take at least one Natural Science class. Many are required to take more than one. This strong foundation in general education Natural Sciences aligns directly with the core academic mission of Schoolcraft College.
- 3. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

All project investment in modernizations occurs within 1963 constructed Forum Building structure.

# 4. Does the project address or mitigate any current health/safety deficiencies relative to existing facilities? If yes, please indicate.

Yes, in two ways. One addresses a chemistry lab indoor air quality issue where chemical odors draw into adjacent spaces due to excessive negative room pressure when chemistry fume hood are in full use. The second is mitigating fall risk of maintenance personnel who walk along tops of masonry walls and work from wood planks to service attic-mounted mechanical and electrical equipment.

# 5. How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?

Schoolcraft College utilizes EMS software, an enterprise level scheduling solution to optimize the use of rooms and facilities. Within that software, we use an Academic Utilization Report to measure utilization of our existing facilities. Additionally, we recently used Ad Astra software to benchmark our utilization to national higher educational benchmarks. This project would benefit the college by supporting the recent addition of an array of medical programs that require more sections of courses such as physics, biology, and chemistry.

# 6. How does the institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?

This project intends, at minimum, to employ these fundamental principles of sustainable building:

- Optimizing Site Potential by reuse of an existing building.
- Optimizing Energy Use by improving energy performance of an existing building. Accomplished by energy efficient light fixtures and automated lighting control schemes.
- Optimize Building Space and Material Use by designing for use and reuse of building materials in a fashion most productive and sustainable.
- Enhancing Indoor Environmental Quality (IEQ) through updated laboratory ventilation systems; optimizing space plans for improved laboratory sight lines; and increased room area per student in lecture classrooms.
- 7. Are match resources currently available for the project? If <u>yes</u>, what is the source of the match resources? If <u>no</u>, identify the intended source and the estimated timeline for securing said resources.

Sources based on Capital Outlay requirements at time of approval.

8. If authorized for construction, the state typically provides a <u>maximum</u> of 75% of the total cost for university projects and 50% of the total cost for community college projects. Does the institution intend to commit additional resources that would reduce the state share from the amounts indicated? If so, by what amount?

The college does not have any plans or sources at this time that would reduce the state's share from the amount indicated.

9. Will the completed project increase operation costs to the institution? If yes, please provide as estimate cost (annually, and over a five-year period) and indicate whether the institution has identified available funds to support the additional cost.

<u>Custodial & Supplies</u> – unchanged. <u>Energy Usage</u> – net reduction in electrical and water usage. <u>Maintenance & Supplies</u> – nominal increase for HVAC category, while substantial reduction in lighting maintenance and supplies. <u>Insurance</u> – .13 per Square Foot. <u>Security</u> – unchanged.

## 10. What impact, if any, will the project have on tuition costs?

Tuition costs will increase by this project. The extent is undetermined at present.

# **11.** If this project is not authorized, what are the impacts to the institution and its students?

If this project was not authorized, Schoolcraft College, students, as well as the community, would be effected for these primary reasons.

- ADA compliance-improvements for instructional spaces and addressing original, ramped corridor floor too steep for barrier-free ramp slope compliance.
- Difficulty providing instruction with modern teaching methodologies and technologies (i.e. student experience impact).

# **12.** What alternatives to this project were considered? Why is the requested project preferable to those alternatives?

This project approach was best option considered. Scaled with consideration of College finances, volatile construction market, and post-Covid trend of higher education enrollment decline.

**Furthermore and specific to reasons above, Schoolcraft College intends to decline their Capital Outlay 2023 Project Request approved in Senate Bill 78 of 2022.** This Project Request is a present moment, fiscally responsible, reduced-scale portion of 2023 Project Request focused on greatest positive impact for Forum Building spaces least to change by future renovation.



# 2024 CAPITAL OUTLAY PROJECT REQUEST FORUM BUILDING UPGRADE FOCUS



# PRACTICAL UNDERSTANDING OF ACCESSIBILITY GUIDELINES & SUPPORTING PRACTICES



**FISHBECK, THOMPSON, CARR & HUBER** engineers | scientists | architects | constructors



MARK P. MITCHELL, AIA, LEED AP SENIOR ARCHITECT



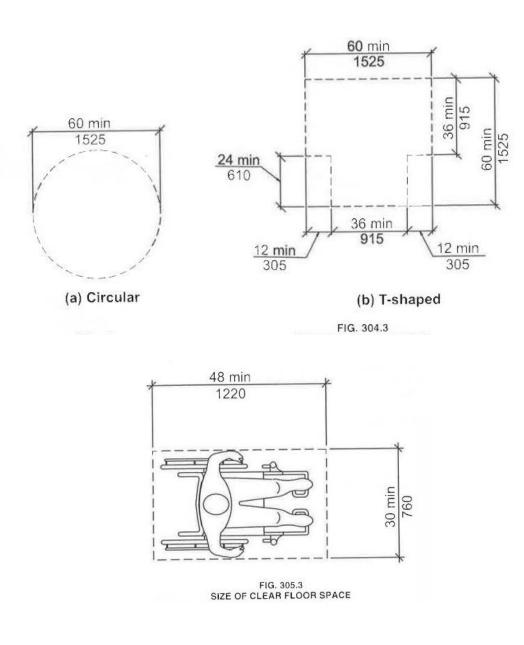
VINCENT J. MATTINA, III, AIA ARCHITECT This presentation is based on observed common trends within instructional spaces of Schoolcraft College Forum, Liberal Arts and Biotech Center buildings. The codes listed are referenced from the ICC A117.1-2009 Accessible and Usable Buildings and Facilities. This presentation is not intended to outline the code in its entirety. Codes may change and this presentation does not cover future code iterations or interoperations.

# MANEUVERING CLEARANCES

# **304 TURNING SPACE 305 CLEAR FLOOR SPACE**

Figure 304.3 is the minimum space required to maneuver or turn around in a wheel chair.

Figure 305.3 is the required clear space required for someone to park their wheel chair, to use wall mounted device, sink, desk space, etc.



# MANEUVERING CLEARANCE OBSERVATIONS



### **ACCESSIBLE ROUTES**

#### *403 WALKING SURFACES* 403.5 CLEAR WIDTH

#### *404 DOORS AND DOORWAYS* 404.2.2 CLEAR WIDTH

A 36" wide path is the minimum clear width along an accessible route for any person that is in a wheelchair. In some instances pinch points of 34" or 32" are allowed. A 32" clear opening width is required at all doorways measured between the door face and stop. No projections (door hardware) should be installed below 34" and may not protrude more than 4" into the clear opening width

# CHANGES IN LEVEL

#### **303 CHANGES IN LEVEL**

Floor surfaces should primarily be flat.  $\frac{1}{4}$ " maximum vertical height variance is permitted under section 303.2, anything between  $\frac{1}{4}$ " and  $\frac{1}{2}$ " shall be beveled under section 303.3, all others greater than  $\frac{1}{2}$ " are considered a ramp under section 303.4 and shall comply with section 405 and 406.



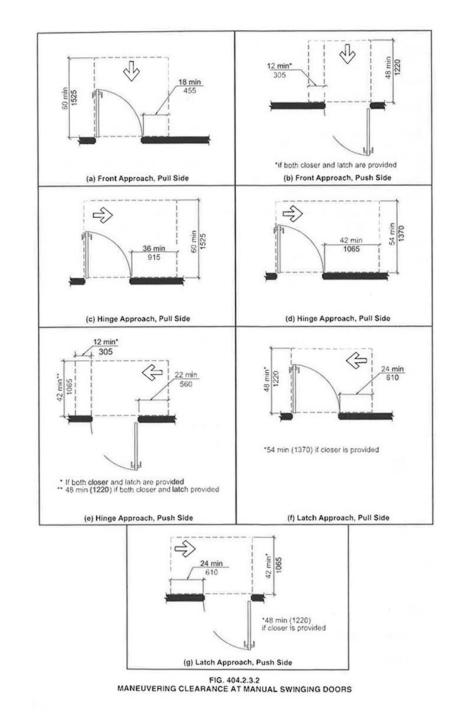
NON-COMPLIANT FLOOR SLOPE IN LAB

wheelchair bound.

### DOOR MANEUVERING CLEARANCES

#### **404 DOORS AND DOORWAYS**

Figures 404.2.3.2, the dashed lines indicate the minimum about of clear area that someone in a wheelchair would need to operate a door. Items like trash cans, fire extinguishers, and other wall or floor mounted equipment/furniture located in the clear area can prohibit someone a wheel chair from using the door.



### DOOR MANEUVERING CLEARANCE OBSERVATIONS



FIXED AND NON-FIXED ITEMS CAN PROHIBIT SOMEONE IN A WHEELCHAIR FROM USING THE DOOR.

# **DOOR HARDWARE**

#### **404.2.6 DOOR HARDWARE**

All operable door hardware shall be accessible. The hardware should be easy to grasp with one hand an should avoid requiring a tight grip, pinching or twisting of the wrist.



#### COMPLIANT

**NON-COMPLIANT** 

### KNEE AND TOE CLEARANCE

#### **306 KNEE AND TOE CLEARANCE**

Figure 306.2 and 306.3 are used in tandem. Both figures indicate the minimum clear area required for someone wheelchair bound would need to tuck their toe and knee under a desk, sink, or work station.

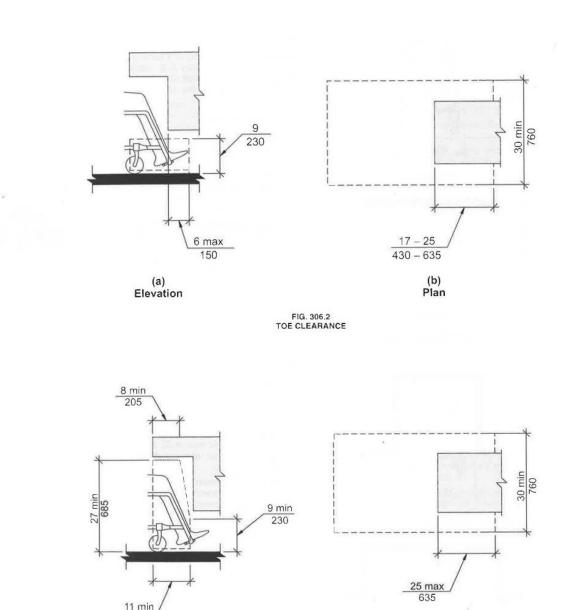


FIG. 306.3 KNEE CLEARANCE (b)

Plan

280

(a)

Elevation

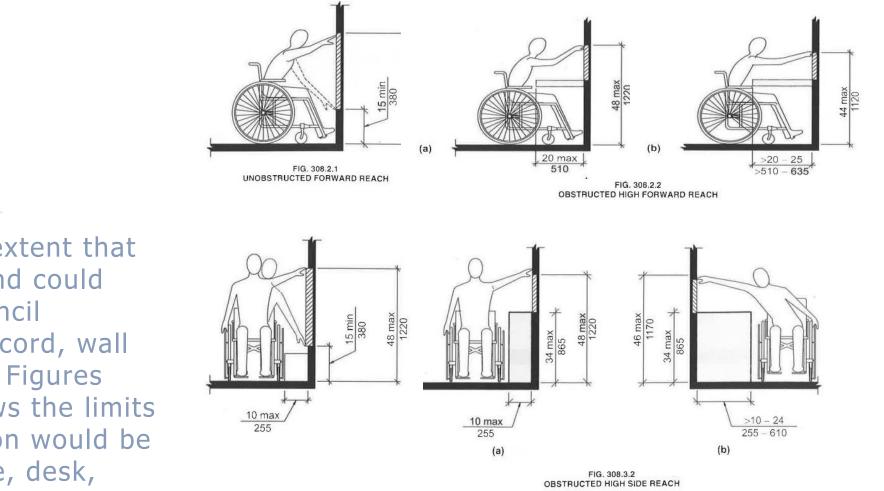
### KNEE AND TOE CLEARANCE OBSERVATIONS

**APPLYING FIGURES 306.2 AND 306.3** 



ACCEPTABLE KNEE AND TOE CLEARANCE (LEFT) | NON-COMPLIANT KNEE AND TOE CLEARANCE (RIGHT)

### **REACH RANGES**



#### **308 REACH RANGES**

All figures show the full extent that someone wheelchair bound could reach to use a phone, pencil sharpener, projector pull cord, wall mounted equipment, etc. Figures 308.2.2 and 308.3.2 shows the limits a wheelchair bound person would be able to reach over a table, desk, counter, etc.

### **REACH RANGES OBSERVATIONS**

APPLYING FIGURES 308.2.1, 308.2.2 & 308.3.2



THESE PHOTOS DISPLAY SOME OF THE COMMON ITEMS NOT WITHIN ACCESSIBLE REACH RANGES

### **ACCESSIBLE SEATING**

#### **CLASSROOMS**

Within classrooms, accessible seating is required. A minimum of 5% of all seat capacity and not less than one seat must be wheelchair accessible. Ideally, the seats could be dispersed through the classroom for variety of distances from the instructor.



ACCESSIBLE SEATS SHOULD BE PROVIDED IN ALL CLASSROOMS

### **ACCESSIBLE SEATING**

#### **802 ASSEMBLY AREAS**

Wheelchair space is required in all assembly spaces, one space for 150 occupants and two spaces for 151 to 500 occupants. These seats are required to be dispersed for a variety of distances from the viewing event. However, if the occupancy is less than 300 people, the accessible seats may exclusively be in the front half of the auditorium.

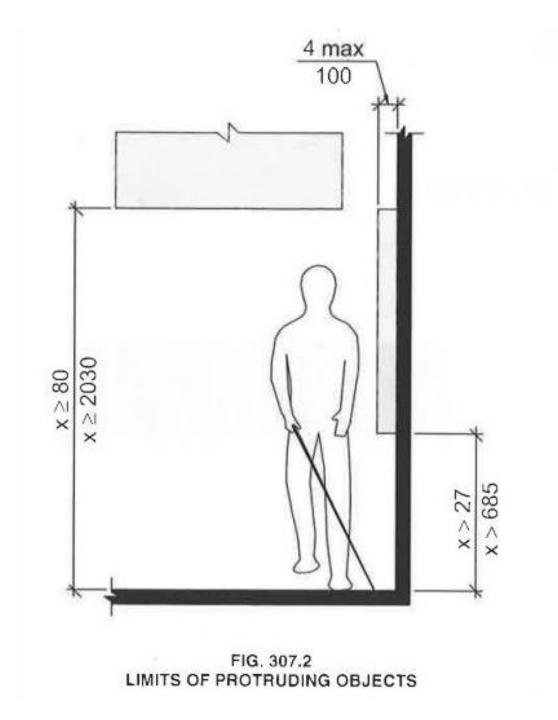


TWO ACCESSIBLE SPACES ARE REQUIRED IN THE LIBERAL ARTS THEATRE

### PROTRUDING OBJECTS

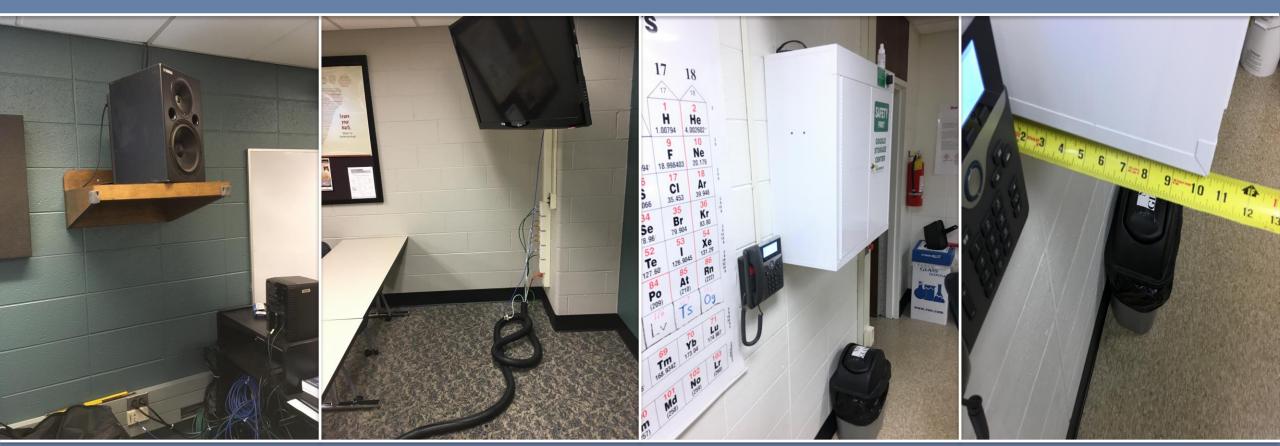
#### **307.2 PROTRUSION LIMITS**

Areas shown in figure 307.2 indicate the allowable limits of protruding objects. These dimensions indicate the "safe" projection limit wall mounted objects. Someone visually impaired would be able to walk past these objects without being obstructed or injured.



### PROTRUDING OBJECT OBSERVATIONS

**APPLYING FIGURES 307.2** 

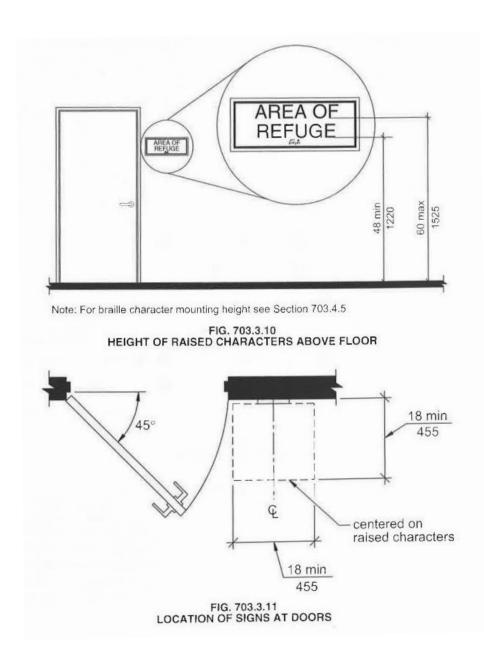


TELEVISION AND WALL MOUNTED ITEMS (ABOVE) DISPLAY NON-COMPLIANT PROTRUDING LIMITS

### SIGNS

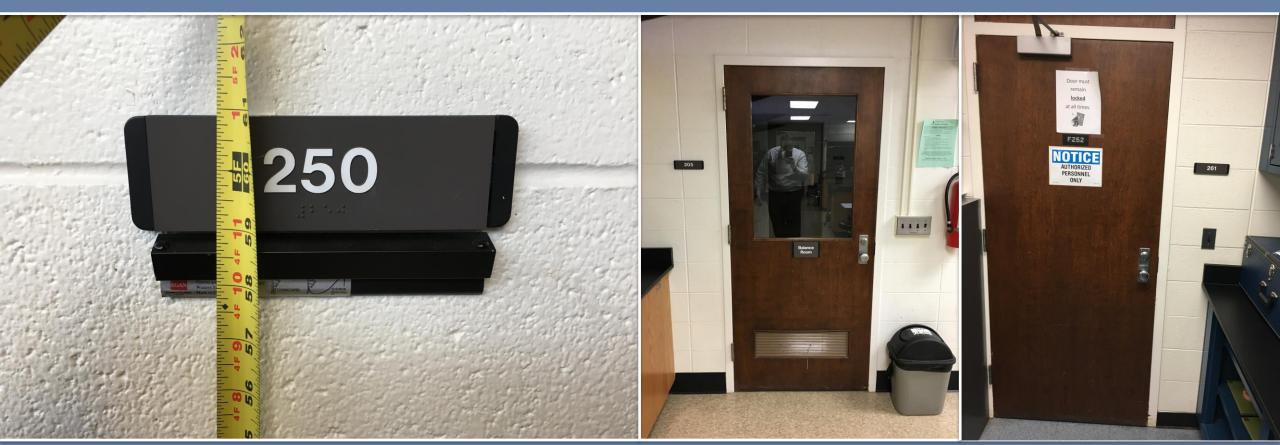
#### **703 SIGNS**

Signs containing raised characters and braille allow a visually impaired person to read the sign. The location of the sign should be located within the 18" x 18" clear area provide adjacent to the latch, and 48" to 60" off the floor. This space allows someone to safely stand outside the swing area and read the sign.



### **SIGNS OBSERVATION**

**APPLYING FIGURES 703.3.10 & 703.3.11** 



COMPLIANT SIGN MOUNTING HEIGHT (LEFT) | NON-COMPLIANT LOCATIONS (RIGHT)

# **WORK SURFACES**

#### 902 DINING SURFACES AND WORK SURFACES

Section 902.4 outlines that dining or work surfaces must be a minimum of 28" to a maximum of 34" above the finished floor. This height complies with both the required reach ranges and required knee and toe space.



#### COMPLIANT (LEFT) | NON-COMPLAINT (RIGHT)

### **ACCESSIBLE COMMUNICATIONS**

#### **PASSIVE INFRARED**

#### HEARING LOOP SYSTEMS

Hearing impaired persons would wear a necklace that receives a signal from a AV cabinet in the room. The signal is then transmitted from the necklace to ear buds/earphones. The room has a loop of wire that wraps around the perimeter of the room (typically embedded but could be surface mounted). Hearing impaired persons would utilize their hearing aid device to pick up the RF signal in the hearing loop (perimeter loop of wire).

#### FORUM BUILDING

F400

F300

F201

V

F202

F100

F300A

F301

F46

F200

FIIO

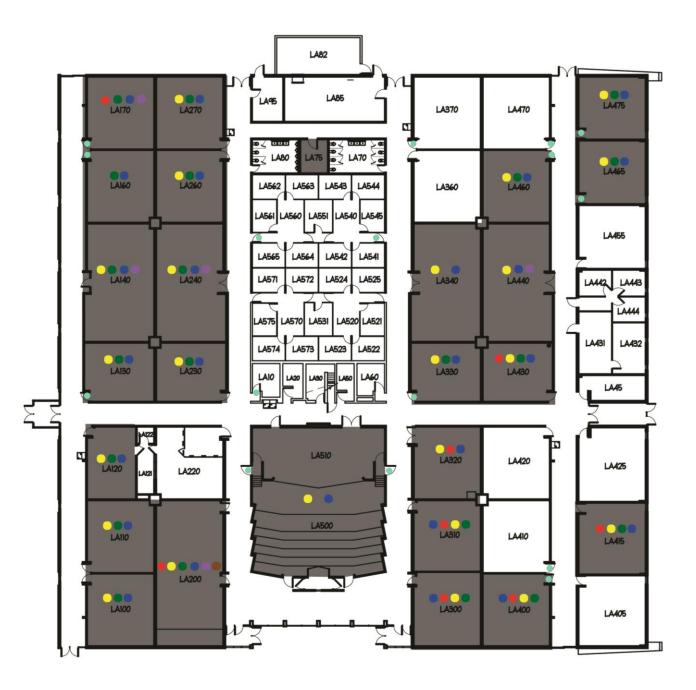
- **MANEUVERING CLEARANCES, CLEAR FLOOR AREA, ACCESSIBLE ROUTES**
- **DOOR MANEUVERING CLEARANCES**
- **DOOR HARDWARE**
- **REACH RANGE**
- **PROTRUDING OBJECTS**
- **WORK SPACES**
- **KNEE AND TOE CLEARANCES**
- **FLOOR OBSTRUCTIONS**



#### LIBERAL ARTS BUILDING

MANEUVERING CLEARANCES, CLEAR FLOOR AREA, ACCESSIBLE ROUTES

- **DOOR MANEUVERING CLEARANCES**
- DOOR HARDWARE
- **REACH RANGE**
- PROTRUDING OBJECTS
- **WORK SPACES**
- KNEE AND TOE CLEARANCES
- **FLOOR OBSTRUCTIONS**



#### **BIOTECH CENTER**

- MANEUVERING CLEARANCES, CLEAR FLOOR AREA, ACCESSIBLE ROUTES
- **DOOR MANEUVERING CLEARANCES**
- **DOOR HARDWARE**
- **REACH RANGE**
- PROTRUDING OBJECTS
- **WORK SPACES**
- **KNEE AND TOE CLEARANCES**
- **FLOOR OBSTRUCTIONS**



### **INSTRUCTOR/PRESENTER**

#### **TEACHING STATIONS**

Non-compliant work surfaces and insufficient clear floor area and maneuvering clearances will make it difficult for a instructor or presenter to use the teaching stations.



### **INSTRUCTOR/PRESENTER**

#### **TEACHING STATIONS**

Items at the front of the classroom can be above instructor/presenters reach range or in excess of the protruding limit may make it difficult to use these items for instruction.



# **STUDENT/GUEST**

someone wheelchair bound. Some of the gas hookups in the fume hood are outside of the accessible reach range; attaching a hose to some of these hookups will make them accessible.

This lab work station is accessible for

#### **ACCESSIBLE LAB SPACE**



### **STUDENT/GUEST**

#### WORK STATIONS AND EQUIPMENT

Non-compliant work surfaces and insufficient clear floor area and maneuvering clearances will make it difficult for a student or guest to use these stations. Many items are above allowable reach ranges or are in excess of the protruding limit.



Figures, 304.3, 305.3, 306.2, 306.3, 307.2, 308.2.1, 308.2.2, 308.3.1, 308.3.2, 404.2.3.3, 602.2, 602.5, 606.3, 703.3.10, 703.3.11, 703.4.4, 703.4.5 | Table 404.2.3.2

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# THANK YOU



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