# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 1</td>
<td>pp. 3-7</td>
<td>Mission Statement</td>
</tr>
<tr>
<td>Section 2</td>
<td>pp. 8-24</td>
<td>Instructional Programming</td>
</tr>
<tr>
<td>Section 3</td>
<td>pp. 25-28</td>
<td>Staffing and Enrollment</td>
</tr>
<tr>
<td>Section 4</td>
<td>pp. 29-33</td>
<td>Facility Assessment</td>
</tr>
<tr>
<td>Section 5</td>
<td>pp. 35-36</td>
<td>Implementation Plan</td>
</tr>
</tbody>
</table>

### Appendices

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appendix A</td>
<td>Fall 2012 Academic Enrollments</td>
</tr>
<tr>
<td>Appendix B</td>
<td>Learning Environment Guidelines &amp; Classroom Standards</td>
</tr>
<tr>
<td>Appendix C</td>
<td>Replacement Value of Current Buildings</td>
</tr>
<tr>
<td>Appendix D</td>
<td>EMSI 2012 GRCC Economic Impact Study Summary</td>
</tr>
<tr>
<td>Appendix E</td>
<td>Campus Master Plan Drawings</td>
</tr>
<tr>
<td>Appendix F</td>
<td>Facility Assessments</td>
</tr>
</tbody>
</table>
Section 1 - Mission Statement

The Grand Rapids Board of Education founded Grand Rapids Junior College (GRJC) in 1914 following a resolution by the University of Michigan faculty that encouraged the establishment of junior colleges in Michigan. In the 1950’s and 1960’s, the state of Michigan passed constitutional language and legislative acts, which still regulate Grand Rapids Community College (GRCC), that outlined the responsibilities of and requirements for community colleges. Under the 1966 Community College Act, Michigan included postsecondary vocational-technical education in the community college program. Consequently, GRCC now offers education services for workforce degree students, transfer students, and job training students.

Since its founding, GRCC has developed a strong reputation for academic excellence and innovation. The College has been accredited continuously since 1917 by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. In 2002, GRCC continued its accreditation process when the College was accepted into the North Central Association (NCA) alternative accreditation method: the Academic Quality Improvement Project (AQIP). In addition, eleven of its programs are accredited, including six health programs, Culinary Arts, Corrections, Preschool and Music programs. Since 2000, the College has received a Pacesetter award, three awards from the Michigan Quality Council, a Bellwether Finalist Award at the Futures Assembly 2002 and numerous awards and recognitions for its programs including the National Award of Excellence in Post-Secondary Food Service Education from the Nation Restaurant Association, the highest distinction awarded by these organizations to culinary schools.

GRCC’s downtown campus encompasses an eight-block area located in downtown Grand Rapids, and the DeVos campus (formerly Davenport University) located in the Heritage Hill neighborhood, two blocks east. GRCC also offers courses at a variety of off-campus locations including the Tassell Michigan Technical Education Center (M-TEC®), two satellite “Learning Corners” in urban storefront locations, and at numerous high schools in Kent County. GRCC’s Lakeshore campus, located in Ottawa County, offers a full slate of learning opportunities across five locations, including the Thompson Michigan Technical Education Center (M-TEC®).

GRCC’s primary service area is Kent County, with a total population of 602,622. (US Census) Additionally, we serve the contiguous counties of Ottawa, Allegan and Ionia, as well as drawing students from all areas of the State of Michigan.

Given GRCC’s open-access enrollment policy, the institution is serving a very diverse range of students. In addition to ‘traditional’ students seeking terminal degrees and those seeking to transfer to four-year institutions, GRCC also serves high school students pursuing advanced placement/dual enrollment/early college, adults seeking job training or retraining and apprentices, international students, developmental students and older learners.

In 2009, the GRCC Board of Trustees appointed Dr. Steven Ender as the College’s new President and together they initiated a process to review the institution’s Mission, Vision, Values and Ends, as recommended by the Higher Learning Commission of the North Central Association.
The process included input from the entire campus community, and months of shared dialogue between the Board of Trustees and college employees. GRCC’s new Mission, Vision, Values and Ends were adopted at the October, 2010 Board of Trustees meeting.

### VISION

As a college of distinction, GRCC inspires students to meet the needs of the community and the world.

### MISSION

GRCC is an open access college that prepares individuals to attain their goals and contribute to the community.

### VALUES

- **Excellence** – We commit to the highest standards in our learning and working environment as we strive for distinction in all aspects of our work.
- **Diversity** – We create an inclusive learning and working environment that recognizes the value and dignity of each person.
- **Responsiveness** – We anticipate and address the needs of students, colleagues, and community.
- **Innovation** – We seek creative solutions to problems through experimentation and adaptation.
- **Accountability** – We set benchmarks and outcomes to frame our decision-making, measure our performance, and evaluate our results.
- **Sustainability** – We use resources in responsible ways to achieve balance among our social, economic, and environmental practices and policies.
- **Respect** – We treat others with courtesy, consideration and civility.
- **Integrity** – We commit to GRCC values and take personal responsibility for our words and actions.

### ENDS

In all instances, the work to achieve these Ends will reflect our core values.

- **Access** – GRCC minimizes the barriers of time, place, cost, and educational preparation levels so that all members of the community have an opportunity to participate in college programs.
- **Academic Alignment** – GRCC collaborates closely with other educational providers to provide a seamless transition across all educational sectors.
- **Student Success** – GRCC students achieve their educational goals.
- **Workforce Development** - GRCC students are prepared to secure employment in all sectors of the economy.
- **The GRCC Experience** – GRCC provides students with co-curricular experiences that help them develop their citizenship skills.
- **Community Outreach** – GRCC enriches the community through educational and civic programming and partnerships.

*Figure OP.1 GRCC Vision, Mission, Values, Ends*
Following the adoption of the new mission, vision, values and ends, the newly created Strategic Leadership Team worked in 2010-2011 to prepare a new three-year strategic plan outlining strategies, action projects, and indicators of success, to achieve the established College Ends.

This new Strategic Plan was approved by the Board of Trustees in August 2011.

1.0 Academic Alignment (1.0)

Strategy 1.1: Provide a seamless transition to other institutions of higher education

1.1.1 Implement strategies to increase the number of students who graduate with a Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) certificate/endorsement

1.1.2 Promote faculty leadership in academic advising

1.1.3 Create and revise agreements between GRCC and 4-year colleges/universities for students seeking to transfer

Strategy 1.2: Integrate the K-12 – College Preparation Experience

1.2.1 Continue and complete the Programs of Study initiative to map curriculum between high school and college in all academic areas

Academic Alignment: Indicators of Success

1. Number of articulation agreements with four-year institutions.
2. Number of students participating in transfer programs
3. Student satisfaction with GRCC preparation as reported after graduation or transfer
4. Incidence of developmental education – Percent of enrolled students that require any dev ed (math or English/reading) based on the institution’s placement testing (Michigan metric) (NOTE: Also an indicator for Access end)

2.0 Access

Strategy 2.1: Implement the College Success Program and the Interdepartmental Support Team.

2.1.1 Implement the College Success Program for developmental students

Strategy 2.2: Increase flexible educational options

2.2.1 Expand the distance learning program (course offerings, quality, accreditation, and faculty certification) (AQIP Project)

Access: Indicators of Success

1. Percent of GRCC classes offered as non-traditional course offerings including % of classes offered online, hybrid, outreach centers, weekends/evening, and accelerated formats.
2. GRCC student body mirrors the KISD region in terms of minority representation.
3. Students who enroll in AFP classes at GRCC are subsequently able to successfully complete college level coursework
4. Incidence of developmental education – Percent of enrolled students that require any dev ed (math or English/reading) based on the institution’s placement testing
5. Grant dollars for a full Pell grant recipient are adequate to cover tuition, fees, and books for a full time student at GRCC.

3.0 Community Outreach

Strategy 3.1: Collaborate with community organizations and employers to expand programs and services that benefit the community at large and strengthen GRCC’s identity throughout the service region.

3.1.1 Promote the various educational, arts, and cultural activities GRCC makes available for the community at large.

3.1.2 Expand cultural learning experiences that strengthen and equip our changing community.

Community Outreach: Indicators of Success

1. Community satisfaction with GRCC (e.g. surveys, public comment)
2. Number of lecture/events/symposiums/conferences/athletic events on GRCC campus open to the general public
3. Number of collaborative partnerships established to enrich the community

4.0 GRCC Experience

Strategy 4.1: Enable students to articulate their achievements, skills, and co-curricular experiences

4.1.1 Implement a student portfolio system throughout the campus to track co-curricular and service learning activities

GRCC Experience: Indicators of Success

1. Percent of GRCC credit students who participate in clubs/teams/organizations/service learning
2. Percent of credit classes that offer a co-curricular activity option as part of the course experience

5.0 Student Success

Strategy 5.1: Improve students support services that promote success in their academic, community and personal lives.

5.1.1 Mandate the student success course (CLS100) for all first time, degree seeking students, PY097 for developmental students.

5.1.2 Integrate the Starfish Early Alert program into all GRCC programs and courses

5.1.3 Expand the Integrated Tutorial Support (ITS) program

Strategy 5.2: Acquire highly qualified diverse faculty and continue to provide opportunities for professional development

5.2.1 Strengthen the recruitment and hiring process so to attract highly qualified, highly diverse full-time and adjunct faculty

5.2.2 Improve the adjunct faculty experience (AQIP project)

5.2.3 Strengthen faculty professional development programs and processes
Strategy 5.3: Create, revise, monitor and assess curriculum and learning
5.3.1 Implement Reading Apprenticeship (AtD project)
5.3.2 Develop a new model for program review which includes the assessment of program learning outcomes
5.3.3 Establish an assessment and reporting process for institutional learning outcomes (ILOs)
5.3.4 Promote data based decision-making including the implementation of a data warehouse

Student Success: Indicators of Success

1. Students achieve their goals for attending GRCC (transfer or degree completion)
2. Successful completion or transfer – Percent of students successful completing a degree or certificate, or transferring after six years. (Michigan metric)
3. Completion (150% graduation rate) for first time, full time students
4. Retention rate (fall to fall for first time, degree seeking students)
5. Retention rate (fall to next term, part and full time (NCCBP retention definition). (Michigan metric)
6. Course success rates (% of students earning A – C) in gateway courses
7. Student Engagement Benchmarks (Active and Collaborative Learning, Student Effort, Academic Challenge, Student- Faculty Interactions, and Support for Learners (from CCSSE)
8. Entering Student Benchmarks of Effective Practice (Early Connections, High Expectations and Aspirations, Clear Academic Plan and Pathway, Effective Track to College Readiness, Engaged Learning, Academic and Social Support Network) (from SENSE)
9. GRCC faculty/staff mirrors the student body in terms of minority representation
10. GRCC remains fully accredited by the Higher Learning Commission of the North Central Association; individual programs remain accredited by their corresponding accrediting agencies where applicable
11. Student performance at transfer colleges

6.0 Workforce Development

Strategy 6.1: Develop new collaborations with community business leaders to ensure workforce programming is relevant to current market and economic conditions
6.1.1 Develop faculty-led learning experiences with area employers that enhance curriculum and result in expanded learning opportunities for students

Strategy 6.2: Provide increased transfer and employment opportunities for GRCC students
6.2.1 Develop a college-wide Career Pathways system (AQIP project)
6.2.2 Develop new certificate programs that meet industry needs

Workforce Development: Indicators of Success

1. Percentage of GRCC career graduates who are continuing their education or employed in their field of study
2. GRCC student performance against state standards (Perkins Core Indicators)
3. GRCC student performance on state/national certification exams
Section 2 – Instructional Programming

A. Learning for Life

Learning for life

At GRCC, we take learning seriously. Our aim is to offer courses and programs that:

- Encourage and cultivate the capacity to learn and commitment to lifelong learning.
- Broaden experience and understanding.
- Respond to community needs.
- Train students to enter and succeed in jobs.
- Prepare students for specific jobs.
- Retrain or improve graduates in present jobs.
- Utilize the continuum of learning framework to offer credit and non-credit learning opportunities and training, open-entry / open-exit modules, continuing education/professional development offerings and customized training.
- Transfer students to four-year institutions.
- Transfer students into related programs leading to advanced degrees at senior institutions.

Instructional Vision

Grand Rapids Community College is a college of choice. We are an open-access institution that transforms students through experiences that blend rigor with relationship, safety with risk, independence with support, community with individual, and theory with practice. We are committed to promoting freedom of inquiry through a broad range of programs providing students with both breadth and depth in their learning experiences. We are an integral community partner within the educational system of our region and share responsibility for its effectiveness.

Our overarching goal for learning is:

GRCC students will become successful learners and responsible community members. Our students will have the competencies to be successful in the future they help create. To reach this goal we have set specific objectives in the areas of academic challenge, active and collaborative learning, student effort, and support for learners, and student faculty interaction.

The principles we hold to achieve this vision are:

- All people can learn given the right conditions and supports.
- Comprehensive supports are critical for the successful learning process.
- We improve learning by applying our understanding of the ways that people learn best and then assessing and responding to the results.
- We shape learning environments with conscious and purposeful intention.
- Curriculum is active, interactive, and dynamic.
- We are committed to engaging in and promoting life-long learning

The Academic and Student Affairs area is leading 18 College Action Projects (CAPs) to support the goals and objectives of the 2011-2014 College Strategic Plan.
They are:

1.1.4 Implement strategies to increase the number of students who graduate with a Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) certificate/endorsement
1.1.5 Promote faculty leadership in academic advising
1.1.6 Create and revise agreements between GRCC and 4-year colleges/universities for students seeking to transfer
1.2.1 Continue and complete the Programs of Study initiative to map curriculum between high school and college in all academic areas
2.1.1 Implement the College Success Program for developmental students
2.2.1 Expand the distance learning program (course offerings, quality, accreditation, and faculty certification) (AQIP Project)
4.1.1 Implement a student portfolio system throughout the campus to track co-curricular and service learning activities
5.1.1 Mandate the student success course (CLS100) for all first time, degree seeking students, PY097 for developmental students.
5.1.2 Integrate the Starfish Early Alert program into all GRCC programs and courses
5.1.3 Expand the Integrated Tutorial Support (ITS) program
5.2.2 Improve the adjunct faculty experience (AQIP project)
5.3.1 Implement Reading Apprenticeship (AtD project)
5.3.2 Develop a new model for program review which includes the assessment of program learning outcomes.
5.3.3 Establish an assessment and reporting process for institutional learning outcomes (ILOs)
5.3.4 Promote data based decision-making including the implementation of a data warehouse
6.1.1 Develop a system that will support faculty and staff experiences in our greater community while also providing a simple mechanism to document, measure and share the impact of those experiences on faculty and staff development, as well as student learning.
6.2.1 Develop a college-wide Career Pathways system (AQIP project)
6.2.2 Develop new certificate programs that meet industry needs

Existing Academic Programs
- Our liberal arts programs provide students with college-level curricula that create a foundation for individual achievement – whether this takes the form of the pursuit of a profession, the attainment of a baccalaureate degree, self-enrichment, or the exercise of civic responsibility.
- Our occupational programs provide students with the skills and knowledge needed to obtain a credential, certificate or degree in order to succeed in chosen occupations.

Degrees and Certificates
Our dozens of associate degree and one-year certificate programs encompass:
- Applied Arts & Sciences
- Liberal Arts
- Business
- General Studies
- Music
- Nursing
- Science
- Fine Arts
Applied Technology Programs
Industrial Maintenance Technology
Air Conditioning, Refrigeration & Heating
Electronics Servicing
Electronics Technology
Water Purification Technology

Business Programs
Accounting
Business Administration
Office Administration
Fashion Merchandising
Interior Decorating & Design
Landscape Management
Management & Supervision
Marketing
Entrepreneurship*

Computer Applications Programs
Computer Applications Technology
Computer Applications*
Computer Information Systems – Applications
Computer Information Systems – Programming
Computer Information Systems – Network Administration
Digital Prepress
Web Design
Web Technical Support
Information Security
Linux System Administration*

Criminal Justice Programs
Corrections
Law Enforcement
Juvenile Services
Addiction Studies*
Police Academy

Education and Child Development
Child Development
Child Development – CDA option
Paraprofessional Education

Health Programs
Nursing
Practical Nursing*

Health Programs (continued)
Dental Assisting*
Dental Hygiene
Gerontology
Occupational Therapy Assisting
Radiologic Technology
MRI Technology*

Manufacturing Programs
Industrial Technology
Plastics Manufacturing Technology
Quality Science
Tooling & Manufacturing Technology
Welding Technology
Manufacturing Apprenticeship

Mechanical & Architectural Design
Architectural Design
Mechanical Design

Music Program
Music Recording Technology

Secchia Institute for Culinary Education
Culinary Arts
Culinary Management
Baking & Pastry Arts*
Personal Chef*

Job Training Programs
Automotive Technician*
Computer Support Technician*
Construction Electrician*
Green Construction Remodeling*
Introduction to Construction*
Machinist/CNC Technician*
Residential Construction*
Welding/Fabrication Technician*

Workforce Training Programs
Medical Assistant
Patient Registration Specialist
Personal Trainer
Battery Manufacturing Technician
Deconstruction
## Transfer Programs

- Architecture
- Art
- Biology
- Business Administration
- Chemical Technology
- Chemistry
- Child Development
- Communications
- Computer Information Systems
- Computer Science
- Crop/Soil Science
- Economics
- Education
- Engineering
- Engineering Technology, Western Michigan University
- English
- Environmental Science
- Foreign Language
- Forestry
- Geography
- Graphic Design
- Health Services
- History
- Human Ecology
- Journalism
- Kettering Engineering
- Kettering Management
- Library Science
- Mathematics
- Manufacturing Engineering Technology
- Medical Technology
- Mortuary Science
- Multi-Media Communications
- Technology
- Music Education Choral
- Music Education Instrumental
- Music Merchandising
- Music Performance Instrumental
- Music Performance Piano/Organ
- Music Performance Voice
- Natural Resources
- Nursing (Pre-BSN)
- Occupational Therapy
- Oceanography
- Pharmacy
- Photography
- Physical Education
- Physical Therapy
- Physician Assistant
- Physics
- Plastics Engineering Technology, Ferris State University
- Political Science
- Pre-Dentistry
- Pre-Law
- Pre-Medicine
- Pre-Optometry
- Pre-Veterinary Medicine
- Psychology
- Social Work
- Sociology
- Speech
- Sports Medicine
- Teacher Elementary Education
- Pre-Secondary Education
- Teacher Special Education
- Technical Secondary Education-Industrial Theater
Continuing Education/Customized Training Offerings

- Lean Manufacturing Boot Camp
- ISO Internal Auditor 9001
- Process Audit
- Master Molder
- Lean Administration & Boot Camp
- Six Sigma and Beyond
- Failure Mode and Effects Analysis
- Advanced Product Quality Planning
- Production Part Approval Process
- Corrective and Preventative Action
- Leading Lean/Policy Development
- Value Stream Mapping
- SS Visual Organization/Visual Controls
- Stabilizing for Flow
- Mistake Proofing
- Continuous Flow: Cell Design and Implementation
- Understanding the People Side of Lean
- Job Instruction and Standardized Work/Scientific Method
- Designing and Implementing Pull Systems
- Lean for High Mix/Low Volume Suppliers
- Supply Chain/Purchasing
- Dental - Nitrous Oxide and Local Anesthesia
- Certified Nurse Assistant Testing
- Innovation and Design Theory
- Entrepreneurship
- Networking
- Advanced Manufacturing Topics
- ICD-10
- Good Agricultural Practices
- Beginning Farmer Certification
- Root Camp
- Wind Safety Certification
- Working at Heights
- OSHA 30 hour & OSHA 10 hour
- Career Coaching Certification
- On-line Cengage Learning
- On-line Pierson Workforce
Projected programming changes during the next five years

1. Renovation of Cook Academic Hall

- Nursing
- Allied Health – Radiologic Technology, Dental Hygiene and Assisting, Occupational Therapy Assistant
- General Classroom – Mathematics, English, Health
- Two floors of Cook Hall will be allocated to Health Programs. (Dental and Rad Tech will be on one floor; Nursing, OTA, and Workforce Training health care will be on the other.) These two floors will contain all program-specific labs, clinics, and other spaces, including some dedicated classroom space, that cannot be shared with other departments or programs. The two floors allocated to Health Programs may be named in some fashion to delineate their purpose (e.g. Center for Health Education). These floors will have some design elements which will distinguish them as a place for health education.
- The other three floors will be general classrooms and labs, used primarily, but not exclusively, by Math, English, Health Programs and Business.
- All labs, classrooms, etc. on all floors should be state-of-the-art for the disciplines that will utilize them. No departments should be favored in terms of the quality of the renovation they receive.

2. Other space changes that will need to occur to support the Cook Academic Hall Renovation

- All faculty offices for Health Programs, Math, and English will need to be in College Park Plaza (as will likely be other departmental faculty offices). Departmental faculty offices should be kept together, and additional shared space for adjuncts will be considered.
- The Main Building will need to become primarily a classroom building. The Business Department, one of our largest departments, will need to relocate due to the Cook Hall renovation. The Main Building may accommodate classrooms and associated lab/instructional space for the following departments: Visual Arts, Education/Child Development, Language and Thought, and Business. This will necessitate significant renovation and the move of offices to other venues. The first floor will likely remain a student services floor as it currently houses the Admissions & Enrollment Center, Student Records Office, Financial Aid Offices, Cashiers Office and Student Employment services. These departments all have similar, additional space needs, and benefit from the existing proximity.
- The administrative offices that are currently located in Cook Academic Hall will need to be relocated. An in depth analysis of the emerging needs of the academic programs currently located in Main and the impact of the move of the Business Department to the Main Building will determine the need for and scope of additional space changes.
- The ground floor (G2) of the Main building is a popular landing spot for students before, after and between classes. Food options, group gathering and individual study space are all combined to meet student needs. The space is overcrowded
throughout the day with limited alternative options available. Expanding the student study area and gathering spaces on this level will support the out of class student engagement while on campus.

Programmatic Background

GRCC currently has six credit health programs in Nursing (both Associate Degree and Practical Nursing), Radiologic Technology, Dental (Dental Hygiene and Dental Assisting), and Occupational Therapy Assistant. Surgical Technology is offered in partnership with Lansing Community College. All of our health programs currently have a waiting list for admission of between one and four years.

Interest in, and demand for, health programs continues to grow as evidenced by both the federal and state’s Department of Economic Growth data. The 2010-2011 edition of the Occupational Outlook Handbook continues to project significant growth from 2008 – 2018:

Of the 20 fastest growing occupations in the economy, half are related to healthcare. Healthcare is experiencing rapid growth, due in large part to the aging of the baby-boom generation, which will require more medical care. In addition, some healthcare occupations will be in greater demand for other reasons. As healthcare costs continue to rise, work is increasingly being delegated to lower paid workers in order to cut costs. For example, tasks that were previously performed by doctors, nurses, dentists, or other healthcare professionals increasingly are being performed by physician assistants, medical assistants, dental hygienists, and physical therapist aides. In addition, patients increasingly are seeking home care as an alternative to costly stays in hospitals or residential care facilities, causing a significant increase in demand for home health aides. Although not classified as healthcare workers, personal and home care aides are being affected by this demand for home care as well.

U.S. DOL – Bureau of Labor Statistics

GRCC is within walking distance of the “Medical Mile” where over $1 billion worth of development has occurred in the health sciences field. The Van Andel Institute, Spectrum Health, Grand Valley State University, and Michigan State University’s opening of their School of Human Medicine in Grand Rapids has accelerated the pace and recognition of the collaborative efforts occurring in this industry. GRCC is currently placing students from our Nursing Programs in clinicals taught by GRCC faculty at Spectrum Health. Students in our Chemical Technology Program serve as interns with the Van Andel Institute.

All of the Nursing and Allied Health programs will benefit from new classroom spaces, increasing simulation labs, situating storage areas near labs and classrooms, providing conference space, and providing students with small group, study and lounge space. Each of the programs also has some specific limitations in current space that would be solved in the newly renovated building.
Health Programs

Nursing:

Nursing education began at GRJC, now GRCC, in 1948 when the ownership of the Practical Nursing Program was transferred from Butterworth Hospital. Since then, over 5,200 nurses have graduated from the Practical Nursing Program. This program has continued to thrive and currently admits three full-time classes of 36 students.

In 1967, the college was approved to offer a two-year Associate Degree in Nursing Program. It admits three classes of 40 students per year. Since it began, over 2,250 students have received their ADN through GRCC. Graduates from both of these programs continue to pass the NCLEX at average rates of 90% or higher and to be employed at rates of nearly 100%.

The Associate Degree Nursing Program is five semesters including the pre-nursing semester. The Practical Nursing Program is a one year, full time program, including the summer session. Both programs are approved by the Michigan Board of Nursing and are accredited by the NLNAC (National League of Nursing Accredited Commission).

Twenty full-time faculty and approximately 20 adjunct faculty serve 419 students currently enrolled in both programs. One of the nursing faculty members serves as a full time Program Director and another faculty member serves as a Clinical Placement Coordinator in addition to her teaching duties. Four additional staff, a lab tech, student coordinator, and two secretaries, assist with the programs.

The new space will address current limitations in laboratories and classrooms, including computer labs. Nursing program growth is severely restricted by clinical placement limitations. To alleviate this concern, the Nursing programs would create simulation labs, which accreditation bodies accept as replacement to some clinical placements. Simulation labs are (3 to 4 times) larger than current labs, as they replicate an actual clinic. The new space would also allow us to create additional nursing bed labs, including a patient code room, that are overall larger, and would better replicate actual hospital settings and situations. These additional rooms and computer labs would also enable us to expand testing and tutorial services to better support student learning.

The Nursing program has been continuously challenged by not having adequate larger capacity classrooms (40 – 45pp) and by not having enough classrooms and computer lab space, designated for nursing and other allied health programs.

Radiologic Technology:

The Radiologic Technology Program at GRCC began in 1972 and has graduated nearly 900 students. Each year 30 students are admitted to the two year program which involves four semesters and two summer sessions for a total of 74 credits. Graduates of this program, upon successfully passing the registry examination of the American Registry of Radiologic
Technologists (ARRT) are prepared for positions in medical facilities, government, public health and education. Pass rates for GRCC students on this examination have averaged 89% or higher in the last three years. (94.75% for 06,07,08,09) or 92% or higher over last four years. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Two full-time faculty and one secretary staff the program. Additionally, three to four adjunct faculty teach in the program.

The Radiologic technology program needs a larger X-Ray lab, a larger simulation lab, a digital image viewing station, additional radiography room (Digital), C-Arm Fluoroscopy machine, Pixy Radiographic manikin, in addition to improved classroom spaces.

Dental Programs:

The Dental Hygiene Program admits 32 students per year, and is a two year program with a year of prerequisite courses. The Dental Assisting Program admits 24 students each year into the 10 month certificate program. Currently there are 98 students in both programs. Both programs are accredited by the American Dental Association’s Commission on Dental Accreditation.

Seven full-time faculty and 13 adjunct faculty serve students from both dental assisting and dental hygiene. A secretary is shared by two other departments. A dental clinic receptionist schedules appointments for patients from the greater Grand Rapids Community and maintains the office. The dental clinic sees over 2,000 visitors/patients a year.

The Dental Programs need a larger lab and clinic that can better meet the needs of both the Dental Assisting and the Dental Hygiene curriculums. Currently, dental assisting labs are taught in the same location that dental hygiene students are treating patients from the greater Grand Rapids community. Building a larger clinic that could be subdivided into a smaller one would allow for concurrent learning/demonstrations and clinic practice to occur at the same time without disruption to the other. A simulation dental lab (with manikins) would update equipment and technology to align the programs with recent curriculum changes.

Increased space for the dental clinic reception area, dental clinic, restorative materials lab, a larger supply/storage area adjacent to the sterilization area, a, male faculty locker room and x-ray rooms are needed to meet growth needs and to stay in compliance with accreditation standards. Dedicated classrooms, additional storage and lockers for students are needed for the programs.

Occupational Therapy Assistant Program:

Begun in fall of 1979, the Occupational Therapy Assistant program serves 60 students each year. The program, reaccredited in 2007, is accredited by the American Occupational Therapy Association (AOTA). One full time faculty member teaches and serves as Program Director.
Two long standing faculty members, registered Occupational Therapists, teach the remaining program courses. Students are admitted once a year in the fall for the two year program. A secretary who is shared by two other departments serves the program. A full time Health Admissions Coordinator oversees the admissions and tracking of all students interested in the Occupational Therapy program.

The labs and simulation areas needed for this program include an Activity of Daily Living Apartment, two classroom/lab combinations, a Baltimore Therapeutics Equipment and work hardening simulation room, and a Mobility Aids Storage room. All of these spaces need to be upgraded with current OTA and teaching technology. Faculty offices would also be needed by this program.

Additionally, GRCC offers multiple health non-credit programs as listed below. These programs have attracted 200 participants in 2007-2008 in areas including patient registration specialist, Advanced C.N.A. in Dementia and Acute Care, and Health Unit Coordinator. The non-credit programs are projected to grow at 3-5% over the next year with the addition of Medical Assistant, Pharmacy Technician, and Personal Trainer certifications.

Classrooms for these offerings along with labs are shared with the credit classrooms and, at times, can pose a problem due to lack of available labs. A dedicated space for C.N.A. testing, for example, would eliminate the need to continually juggle the sharing of space with the Nursing Programs.

Future programming in the Health areas may include such fields as Physical Therapy Assistant and Surgical Technology. A partnership exists currently with Lansing Community College in Surgical Technology. Given the employment projections in this field, a program at GRCC may be considered.

3. **New Academic Programs**
   We plan to offer new academic programming to meet local training and education needs including:

   - Health care and human services programming, Redefined Applied Technology programming such as electronics/mechatronics
   - Advanced manufacturing, medical device programming
   - Advance automotive technology, such as alternative fuels and hybrid technology
   - Entrepreneurship
   - Sustainable Energy and Energy Storage
   - Sustainability (certificate)
   - Innovation

4. **Distance Learning & Technology**
   As noted above, we are currently involved in a College Action Project to expand our distance learning program. This project is intended to increase distance learning at GRCC by placing at least 25% of our courses in an online format. As the college expands online
learning, new faculty and students will be supported. This flexible learning option will bring in students who may not come on campus if the courses were not available in an online format.

We have greatly increased our use of the Blackboard Course Management System to support face-to-face courses and are rapidly increasing the use of technology in our classrooms. The Academic Governing Council approved a policy that all faculty members will use Blackboard for their syllabus and instructor information. In addition, the use of the grade book is strongly recommended. All of our lecture classrooms are outfitted with multimedia systems (computer, ceiling mount projector, switching equipment, and speakers). Two classrooms are outfitted as "Learn Labs" to include 3 projectors, whiteboard copy cameras, and smart boards. Faculty members teaching in the Learn Labs are part of a research project to document the effect of this room arrangement on teaching and learning. All of these efforts are supported by the Distance Learning and Instructional Technologies office to help faculty make creative and thoughtful use of technology - in class, outside of class, and in distance learning.

According to Higher Learning Commission's "Best Practices for Electronically Offered Degree and Certificate Programs", the institution "assures adequacy of technical and physical plan facilities including appropriate staffing and technical assistance, to support its electronically offered programs." The increase use of technology for distance learning as well as to support face-to-face instruction continues to grow. This includes not only the infrastructure, facilities, and hardware, but it also includes office space to support the systems and furthermore the space to ensure effective faculty professional development can take place that is appropriate to the curriculum.

5. Student Services
Continuous improvement practices have led to the improvement, streamlining, and efficiency of student intake and support services. These improvements have included the renovation of existing spaces to accommodate the new and improved service models at the College. Utilizing process-based management continues to identify process improvement opportunities to increase student satisfaction, quality and value, reduce response time for outbound and inbound student follow-up, user friendly self-service features, and access and frequency of student contacts. These improvements require continued assessment of the service space and renovations to accommodate self-service technologies, one stop student service experiences, and multi-purpose support use to meet student expectations. Today's students require high touch and high tech access, intentional engagement and support to meet their learning and educational goals. To keep pace with the changing and diverse students we serve, the service support systems for the future need to communicate, align and deliver a welcoming, personalized, responsive approach for students to start, persist and complete their educational and career goals.
B. Unique Characteristics of GRCC’s Instructional Program

1. Center for Teaching Excellence
   The Center supports Faculty Professional Development, Distance Learning and Instructional Technologies, Curriculum Design and Evaluation, Experiential Learning (Study Away, Academic Service Learning, and Honors), Interdisciplinary Curriculum (Innovation and Sustainability).
   The Institute for Faculty Research on Teaching and Learning, one of the CTE programs, supports faculty research on new practices in teaching and learning. The results of this research are shared and help highlight institutional best practices and increases shared knowledge about teaching practice.

2. Learning Technology on Campus
   The entire campus is wireless. All full-time faculty have laptop computers that are used in both their offices and the classrooms. Classrooms are being renovated to allow flexible use of space and easy use of multimedia technology to support the learning. As of the summer of 2010, all lecture classrooms were outfitted with computers and multimedia capacity. Two classrooms at the DeVos Campus are designed as Learn Labs with multiple projectors, a smart board, and a room configuration that allows diverse learning experiences without rearranging furniture. In response to the positive reception of these two spaces, additional Learn Labs are being considered.

3. Academic Outreach
   In order to continue making GRCC accessible to all of our constituents, we developed an academic outreach strategy that includes the development and strengthening of Learning Corners and off-campus sites/Regional Centers. We have two Learning Corners (See item #4 – page 12) and six off-campus sites. The ultimate goal is to assure accessible and affordable education to our constituents in order to help students be successful in life. The off-sites are a creative alternative to our capacity issues (complementing our related initiatives i.e. distance learning). The sites bring educational opportunities closer to the homes of the students and help in the transition to get a higher education degree.

   The underlying principle is to offer the most popular classes and classes that fulfill the MACRAO agreement in locations other than the downtown campus. With this strategy we are meeting three of our ENDS as an institution: access, student success, and community outreach. In order to achieve this we are partnering with different school districts throughout Kent County. The districts are providing additional resources for students (such as computer labs, networking connections, student lounge, etc.) and GRCC is increasing the number of classes and the services (such as counseling, tutoring, reference librarian, etc.) as needed.
4. Community Partnership Programs Learning Corner @ Wealthy (LC@W) and the Learning Corner West
An analysis of internal and external needs assessments show that increased access to post-secondary education by Grand Rapids' central city residents has been identified as a key factor contributing to the region's economic success. GRCC leadership teams evaluated a number of neighborhood demographic factors and obtained community input related to access to post-secondary education by Grand Rapids' central city residents. The data indicated the following needs:

- Increased access for low-income residents to college-level courses and services in a convenient, familiar and non-threatening location;
- Addressing low educational attainment levels in key geographic target areas by providing assistance with GED preparation and certificate attainment, remedial college preparatory courses and financial literacy instruction;
- Personalized support services that help students with educational planning and support as they take on-site entry-level college courses; and,
- Assistance with college application and admissions processes and access to career pathways information, pre-employment training and lifelong learning activities.

The neighborhood-based Learning Corners allow central city residents to participate in GRCC programs and services at an easily accessible site and continue to be one of GRCC’s successful models. Through the Learning Corner initiatives, GRCC has helped adult citizens become better educated and ultimately contribute to the economic well-being and vitality of the Kent County area. Since the Learning Corners began operating, they have more than doubled the anticipated GED and ESL enrollment and provided many students with college preparation, workforce development training and lifelong learning opportunities.

5. Tassell M-TECsm Center (Grand Rapids)
This center provides new partnership opportunities with local and regional County employers. The M-TEC offers learning opportunities in a variety of formats that include traditional semesters, degree programs, short-term job training programs and open-entry/open-exit programs. Program offerings continue to expand to meet the learning needs of employers, students and the community.

Lakeshore Campus (Thompson M-TECsm)
The Lakeshore Campus is serving individuals and employers in Ottawa County and the surrounding area, and serves approximately 1200 students. The Lakeshore Campus is a distributive campus and has partnerships with Grand Valley State University at their Meijer Campus, the Ottawa Area Intermediate School District at their Careerline Tech Center, West Ottawa Public Schools at their North High School, and Midtown Center in downtown Holland. GRCC offers four associate degrees and a variety of certificates and students services at its Lakeshore Campus.
6. **K-12 Relations and Transition**

Career Pathways, Dual Enrollment, and career exploration and planning services all contribute to the students' ability to make good choices in post-secondary training and education. Our Career Pathways emphasis, including high school to college articulation, creates smooth transitions to higher education for K-12 students. We continue to improve the support we offer students as they make education and career decisions by coordinating career development programs, web access to career information, on-line exploration tools, counseling and career services, career-focused credit instruction, job placement services, and career testing and assessment.

GRCC recently entered into a partnership with Grand Rapids Public Schools (GRPS), to pilot a high school completion program with a college readiness emphasis. The program is targeted at students who had already stopped out of high school and is delivered in a non-traditional format, preparing students for successful transition to GRCC.

GRCC has, also, entered into a partnership with Wyoming Public Schools as the post-secondary choice for their Wyoming Middle College. The vision of the middle college partnership is to provide the opportunity for eligible students to earn both a high school diploma and an associate of arts degree in four years. Wyoming Middle College students will begin in their sophomore year and complete the program at the end of their 13\textsuperscript{th} year.

7. **Focus on Lifelong Learning**

GRCC focuses on lifelong learning, comprised of offerings through Older Learner Education Program, Staff Development, Diversity Learning Center, and the Continuing Education/Professional Development department within the Training Solutions Unit.

8. **Flexible Learning and Scheduling**

GRCC offers OE/OE (Open Entry/Open Exit), online/hybrid instruction, and night and weekend instructional options to students.

As we incorporate flexible learning options for students in all our courses and help teach our students how to learn with technology, all of our classrooms are outfitted for multimedia presentation. We've adopted a model where we outfit classrooms with both installed computers and the ability to accommodate faculty and student laptop computers – linking them to a projector, with the capacity to switch to a DVD or VCR. Blackboard is our course management system and we use it to support on-ground courses as well as on-line courses, and hybrid courses. Faculty members are creating many ways to use these tools to support student learning such as social media, podcasts, blogs, student editing on a notebook computer, review sessions via computer, and various student multimedia presentations. Technology is allowing us to provide learning materials in multiple ways to meet the various learning needs of our widely diverse student body. A student can attend class in person, go home and use the notes and a podcast of the lecture to review the learning, and communicate with the professor and other classmates via Blackboard. Faculty are thinking together about what learning
is best done face-to-face and what learning can be done very well online. This will influence how we use space and what kind of space we need. Our on-ground space will be structured to better accommodate small group work, dialogue, and student presentations – activities that work well face-to-face.

C. Other Initiatives that Impact Facility Usage

1. Economic development created by the Van Andel Institute, GRCC’s involvement in the Life Science Corridor initiatives, and the establishment of a Medical School within a few blocks of the campus will impact future science-related instructional programming, both credit and non-credit.

2. To address the ongoing need for nurses, lab capacity and adequate classroom space is a concern. Renovations are necessary to create a learning environment that encourages student retention and adequately prepares students for the health care industry. In addition, all GRCC’s health programs are investigating ways to optimize capacity and produce the greatest number of licensed practitioners per year.

3. Currently, our Anatomy and Physiology curriculum provides for a very sophisticated level of academics with the integration of the Cadaver Seminars (credit bearing). The cadaver lab houses four cadavers, and ensures both a physiological academic perspective and an anatomical learning perspective. Curricular efforts emanating from the Anatomy Complex (Cadaver Lab and the adjoining laboratories) present three levels of dissection: light dissection; moderate dissection; and extensive dissection. Cadavers are rotated every two (2) to three (3) years.

It is anticipated that in five (2-5) years, the technology and equipment within the Calkins Science Building will become obsolete. Also anticipated is the need for the "new wave of technological equipment (hardware and software) to prepare our students for the technological explosion that is occurring in the surrounding health care and research facilities in Grand Rapids.

4. The complexities of managing enrollment during an extended time of national and state economic instability requires community colleges to invest in renovation and building that result in flexible learning spaces that can adapt to small and large classrooms. Consequently, additional renovations are required of the Main Building and Cook Hall. For example, there is a need to improve environmental (climate control) conditions in the Main Building. We have developed a multi-year plan for the replacement of obsolete classroom multimedia equipment, especially in our visual arts programs. This is a critical and ongoing need. The needs and expectations of our incoming students have changed dramatically in the last ten years. The transformation of our teaching/learning environments is critical to meet the needs of the community for the "knowledge worker" that is required to contribute to the economic development West Michigan.
5. The Learning Environments Team has updated the universal guidelines and classroom standards and these guidelines are used for all renovation projects. (See Appendix B.)

6. High student use over the years in the Student Center necessitates building updates, including fixing of water leaks in the atrium area, furniture replacement, and carpet replacement. The student center houses many integral support services including: academic advising and counseling, bookstore, food service, student life, disability support, and student space. Although we do not have a door count on the daily use of this facility, we do know in one year over 18,000 student contacts were made just in the Counseling and Career Center.

7. The Academic Foundations Program (AFP) is geared to meet the needs of under-prepared students enrolling at GRCC. This population continues to increase along with their demand for support. GRCC recently received notification of a significant grant award of nearly $2 million from the U. S. Department of Education Title III program. The program will focus on helping developmental education students who enroll in college, without the skills necessary to be successful college students, stay in college and graduate with a degree. An average of 5,300 GRCC students falls into the developmental category each year.

8. Both academic instruction and support services are needed for students to gain the skills necessary to be successful and complete their educational plans. The needs of the AFP students and program success factors are being addressed by a cross-College steering committee. Serving the increased number of students and their diverse needs is a challenge we face. The program requires intentional and focused resources for these students.

   The College has identified this program as one of the key priorities and has developed specific strategies to address the needs of the students and the success rates.

9. Today and in the future we need to be prepared to meet the needs of many diverse learning styles and demographic groups. We must create an environment which is flexible, is favorable to good practice in higher education, and recognizes and encourages the collaborative and social nature of learning. Addressing the various needs requires multiple approaches. Currently we offer discipline specific labs, group tutoring, one on one tutoring, student and professional tutoring staff and academic skill building sessions. The access to the academic learning support outside of the classroom plays a role in the ability for students to be successful. There is a growing demand for service and this will require enhancing, renovating and increasing space.

   The expected student outcomes of these proposed changes allow students to better acquire information literacy; improve technology skills; evaluate and use information resources; acquire help seeking techniques; learn needs and meet expectations; choose several kinds of learning material format; choose several types of learning spaces;
acquire lifelong learning skills; have a hub for student support and supplemental instruction; and locate just-in-time access to tutors. The overall goal of the proposed programmatic and physical initiatives is to increase student success. GRCC plays a critical role in meeting the academic development and workforce preparation needs of its students and the community as a whole. To compete in a global economy, we must enable a greater percentage of our population to enroll in postsecondary education and complete a degree in a timely fashion. The programs, support services, and learning spaces are all connected to meeting this challenge.

D. Economic Development Impact

GRCC has a long history of providing programs and services that contribute to the economic vitality of our community, region and state. In addition to the partnerships and programs already identified, GRCC provides education and training opportunities that assist individuals increase their earning potential, and assists employers with workforce training needs. We work diligently to leverage local, state, and federal government funding, to equip a skilled West Michigan workforce ready to compete in emerging job sectors. For example:

- Michigan Works! – Job Training programs
- $4 million Pathway Out of Poverty grant program
- TAA and related programs for dislocated workers
- Economic Development grants for business & industry

Currently, GRCC leads the State in holding and administering the Michigan New Jobs Training program. The six employers currently participating in the program (LG Chem, Haworth, Farmers Insurance, Johnson Controls-SAFT, Auto CAM and Transmatic) will bring more than 4,500 new jobs to the West Michigan area, as well as launch new industries for future economic expansion. (See also Appendix D – EMSI 2012 GRCC Economic Impact Summary)
Section 3 – Staffing and Enrollment

A. Student Profile

Credit Enrollment (headcount)

A total of 17,426 students were enrolled in credit classes for Fall 2012: 36% fulltime, 64% part-time. This is down slightly from 17,601 students during Fall 2011. The breakdown of enrollments from Fall 2012 by academic program for both fulltime and part-time students is presented in Appendix A.

In addition to traditional classes offered through our Grand Rapids Campus (Main and DeVos), both the Thompson and Tassell M-TEC Centers, and our Lakeshore and Regional centers, distance learning opportunities were available through interactive TV courses, live cable TV, web-based Internet courses, and through the Michigan Community College Virtual Learning Consortium for a total of 4888 enrollments (duplicated). The distance learning options currently available to students are scattered throughout all academic programs and are not concentrated in any particular area. Students in most programs have a limited number of distance learning options available to them. No students are able to complete an entire academic program using distance learning options at this time.

Non-Credit Enrollment (headcount)

From July 2011 to June 2012, a total of 7279 clients participated in learning opportunities though Training Solutions, Non-Credit Apprenticeships, or Job Training.

B. Projected Enrollment for Next Five (5) years

Credit Enrollment (headcount)

The National Center for Education Statistics projects that undergraduate enrollment in public colleges will grow by 13% between 2007 and 2018. GRCC is projecting a 1% growth annually for the time period of 2012 to 2018. (http://nces.ed.gov/programs/projections/projections2018/sec2c.asp)

In addition, Table 1 presents additional enrollment growth projected due to new programming. The projected total student fall headcount for credit programming in 2016-17 is 18314, up 5% from 2012-2013 levels.

<table>
<thead>
<tr>
<th>Year</th>
<th>Projected credit enrollment based on national estimates</th>
<th>Additional enrollment due to new programs</th>
<th>Total Projected Enrollments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013</td>
<td>17,426 (actual)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-2014</td>
<td>17600</td>
<td>50</td>
<td>17,650</td>
</tr>
<tr>
<td>2014-2015</td>
<td>17776</td>
<td>55</td>
<td>17,831</td>
</tr>
</tbody>
</table>
Non-Credit Enrollment (headcount)
Non-credit enrollments in the areas of Training Solutions are projected to remain at current levels for each of the next five years. Non-credit apprenticeship and Job Training enrollments are also not projected to increase. Total projected headcount for clients served through non-credit programming in 2016-2017 is 12,291 as seen in Table 2.

<table>
<thead>
<tr>
<th>Year</th>
<th>Training Solutions</th>
<th>Job Training</th>
<th>Non-Credit Apprenticeship</th>
<th>Total Projected Enrollments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694 (actual)</td>
</tr>
<tr>
<td>2012-2013</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694</td>
</tr>
<tr>
<td>2013-2014</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694</td>
</tr>
<tr>
<td>2014-2015</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694</td>
</tr>
<tr>
<td>2015-2016</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694</td>
</tr>
<tr>
<td>2016-2017</td>
<td>12291</td>
<td>265</td>
<td>138</td>
<td>12694</td>
</tr>
</tbody>
</table>

C. Enrollment Patterns for Previous Five (5) Years
Credit Enrollment (Headcount)
Table 3 presents credit enrollments for fall and winter semesters for the past five years. Overall, fall enrollment has increased 15.4% over that period or an average increase of 3.9% per year. Winter enrollment has increased 16.8% since 2007-2008 for an average of 4.2% per year.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>% Change</th>
<th>Winter</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>17601</td>
<td>-1.8</td>
<td>17448</td>
<td>-3.8</td>
</tr>
<tr>
<td>2010-2011</td>
<td>17920</td>
<td>5.5</td>
<td>18142</td>
<td>5.1</td>
</tr>
<tr>
<td>2009-2010</td>
<td>16992</td>
<td>10.1</td>
<td>17258</td>
<td>13.7</td>
</tr>
<tr>
<td>2008-2009</td>
<td>15430</td>
<td>1.2</td>
<td>15174</td>
<td>1.6</td>
</tr>
<tr>
<td>2007-2008</td>
<td>15247</td>
<td>-0.2</td>
<td>14935</td>
<td>0.0</td>
</tr>
</tbody>
</table>
**Non-Credit Enrollment (Headcount)**

Table 4 lists the non-credit enrollment history for the past five (5) years.

### Table 4

**Non-Credit Enrollment for 2007-2008 to 2011-2012**

<table>
<thead>
<tr>
<th>Year</th>
<th>Training Solutions</th>
<th>Job Training</th>
<th>Non-Credit Apprenticeship</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>% Change</td>
<td>Number</td>
</tr>
<tr>
<td>2010-2011</td>
<td>8838</td>
<td>8.6</td>
<td>350</td>
</tr>
<tr>
<td>2009-2010</td>
<td>8140</td>
<td>2.6</td>
<td>360</td>
</tr>
<tr>
<td>2008-2009</td>
<td>7935</td>
<td>23.4</td>
<td>321</td>
</tr>
<tr>
<td>2007-2008</td>
<td>6432</td>
<td>31.5</td>
<td>270</td>
</tr>
</tbody>
</table>

### D. Instructional Staff/Student Ratios and Administrative Staff/Student Ratios

Table 5 provides instructional staff to student ratios for Fall 2012. Please note that this ratio includes full-time faculty only (no adjunct faculty).

### Table 5

**Instructional Staff to Student Ratios for Fall 2012 (Credit)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Full-Time Instructional Staff</th>
<th>Number of Students Enrolled in Credit Programs</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2012</td>
<td>257</td>
<td>17426</td>
<td>68 to 1</td>
</tr>
</tbody>
</table>

Table 6 provides the ratio of administrative staff to students for Fall 2012.

### Table 6

**Administrative Staff to Student Ratios for Fall 2012 (Credit)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Administrators</th>
<th>Number of Students Enrolled in Credit Programs</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2012</td>
<td>57</td>
<td>17426</td>
<td>306 to 1</td>
</tr>
</tbody>
</table>

### E. Projection of Future Staffing Needs

Table 7 provides a projection of future staffing needs over Fall 2012 actual staffing levels, due to enrollment patterns and programming changes. (Cumulative) (Assumes additional instructional needs would be covered by fulltime faculty rather than adjunct faculty.)
Table 7
Projected Future Staffing Needs Over Fall 2012 Levels (Cumulative)

<table>
<thead>
<tr>
<th>Year</th>
<th>Projected Number of Additional Enrollments Credit</th>
<th>Projected Number of Additional Enrollments Non-Credit</th>
<th>Projected Number of Additional Full-Time Instructional Staff</th>
<th>Projected Number of Additional Administrative and Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2013</td>
<td>181</td>
<td>0</td>
<td>3</td>
<td>.5</td>
</tr>
<tr>
<td>Fall 2014</td>
<td>183</td>
<td>0</td>
<td>3</td>
<td>.5</td>
</tr>
<tr>
<td>Fall 2015</td>
<td>184</td>
<td>0</td>
<td>3</td>
<td>.5</td>
</tr>
<tr>
<td>Fall 2016</td>
<td>186</td>
<td>0</td>
<td>3</td>
<td>.5</td>
</tr>
<tr>
<td>Fall 2017</td>
<td>187</td>
<td>0</td>
<td>3</td>
<td>.5</td>
</tr>
</tbody>
</table>

F. Current and Projected Average Class Size
Table 8 provides information on average class size for students enrolled in credit courses. The projected average class size for Fall 2013 and beyond is 24.5 students.

Table 8
Average Class Size

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Number of Lecture Sections</th>
<th>Average Number a Students Per Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2012</td>
<td>2142</td>
<td>23.5</td>
</tr>
<tr>
<td>Fall 2011</td>
<td>2238</td>
<td>23.3</td>
</tr>
<tr>
<td>Fall 2010</td>
<td>2361</td>
<td>23.3</td>
</tr>
<tr>
<td>Fall 2009</td>
<td>2140</td>
<td>24.7</td>
</tr>
<tr>
<td>Fall 2008</td>
<td>1927</td>
<td>24.4</td>
</tr>
</tbody>
</table>
Section 4 - Facility Assessment

A. Summary Description of Each Facility:

Administration Building is a two story 20,340 square-foot office building with a basement and attic housing Business and Financial Services, Human Resources, Payroll, Purchasing and Staff Development.

Building Type: 100% Office

Applied Technology Center is a three-level, 187,822 square-foot academic building housing GRCC technology and culinary arts programs as well as Ferris State University Grand Rapids' programs. It has one level of parking beneath levels 1 through 3.

Building Type: 5% Office; 2% Auditorium; 28% Classroom; 40% Laboratory Classrooms; 25% parking garage

Bostwick Parking Structure is a six-level, 2,500 space parking facility. A 16,000-square-foot area of Level One is built out and houses the colleges IT department.

Building Type: 3% Office; 97% Parking Garage

Bungalow (Carriage House) is a two story with basement, 3,370 square foot house. The facility is inadequate for use due to room size and non-ADA compliance. It has been used as a training facility for police academy search tactics.

Building Type: 100% Storage

Calkins Science Center is a five-level, 134,000-square-foot academic building housing GRCC Physical and Biological Sciences department classrooms, laboratories, offices, and auditorium.

Building Type: 10% Office; 2% Auditorium; 30% Classroom; 58% laboratory Classrooms

Chiller Plant is a two-level, 4,000-square-foot building housing mechanical equipment serving numerous campus buildings.

Building Type: 100% Service

College Park Plaza is a six-story, 48,913 square-foot building housing academic business offices for math, health programs, institutional research, the college foundation, communications, and legal. In additional it has a 19,050 underground and open deck parking area.

Building Type: 62% Office, 38% Parking

Cook Academic Building is a seven-story, 133,255 square-foot classroom building with two levels of parking below. Several department offices, labs, and tutoring services are housed here too.

Building Type: 10% Office; 11% laboratory; 49% Classroom; 30% Parking Garage

Education/Pre-School is a 4,000 square-foot learning lab housed in a local church.

Building Type: N/A

DeVos Campus Parking Deck is a two story parking 71,770 square foot parking facility. Additionally, it has one small office.

Building Type: 99% Parking, 1% Office
Ford Field House is a three-level, 74,000-square-foot building housing a multipurpose gymnasium/arena, health club, the Athletic Department, and aerobic studio.

**Building Type:** 70% Gymnasium; 25% laboratory Classroom; 5% Office

Ford Pool is a four-level, 44,000-square-foot building housing a competitive swim pool, racquetball courts, and weight training room.

**Building Type:** 100% Gymnasium

Learning Resource Center is a two-level, 74,000-square-foot building housing college library, tutoring services, media services, and IT offices.

**Building Type:** 60% library; 40% Office

Lettinga Center is a 6,585 square foot building consisting of 2-levels and a basement. It was formerly a home which was used by the previous owner for additional office space for faculty and staff.

**Building Type:** 100% Office

Lyon Street Parking Structure is an eight-level, 750-space parking facility. A built-out area of the facility houses the College's Facilities Office and the Campus Police Department.

**Building Type:** 6% Office; 94% Parking Garage

Mable Engle House is a 12,620 square foot, 3-level with basement home. The facility is used for office space for faculty and support staff.

**Building Type:** 100% Office

Main Building is a seven-level, 210,000-square-foot building containing mostly classrooms. Several administrative, departmental, student services offices, and a Lake Michigan Credit Union branch office occupy the building as well.

**Building Type:** 15% Office; 3% administrative; 72% Classroom; 10% Service

McCabe-Marlowe House is a three-level, 5,400-square-foot hospitality house in a historic district of Grand Rapids near the main campus.

**Building Type:** 100% Hospitality

Music Center is a three-level, 35,000-square-foot building housing the Music Department offices, classrooms, recital hall, practice rooms, and laboratories.

**Building Type:** 7% Office; 40% Classroom; 40% Music lab; 13% Auditorium

Practice Field Service Building is a 700-square-foot, one-level service building supporting the College's practice field.

**Building Type:** 100% Service

Sneden Academic Hall is an 88,820 square foot, 3 story building with a basement. The first floor houses Admissions, the Information Technology department, conference rooms and student gathering spaces. The remaining two floors are general purpose classrooms.

**Building Type:** 85% Classrooms, 5% Auditorium, 5% Cafeteria and 5% Office

Spectrum Theater is a three-level, 33,000-square-foot building housing the Theater Department and a portion of the Culinary Arts Program.

**Building Type:** 30% Auditorium; 3% Office; 3% Classroom; 64% Laboratory Classroom
Stewart E. White Hall is a 20,380 square foot, 3 story office facility with a basement. The facility was previously renovated from a historical residence to an office building.

**Building Type:** 100% Office

**Student Center** is a three-level, 65,000-square-foot building housing the bookstore, food service, Student Life, and other student services departments.

**Building Type:** 60% Office; 25% Dining Hall; 10% Classroom; 5% Auditorium

**Tassell M-TEC** is a two-level, 82,000-square-foot technical training center located off campus on the southwest side of Grand Rapids.

**Building Type:** 5% Office; 30% Classroom; 65% Laboratory Classroom

**Thompson M-TEC** is a one-level, 32,000-square-foot technical training center located in Holland, Michigan, on the campus of the Ottawa Area Intermediate School District (OAISD)

**Building Type:** 6% Office; 30% Classroom; 74% Laboratory Classroom

**B. Building and/or Classroom Utilization Rates:**

**NOTE:** The data below reflects credit course utilization only. Classrooms and instructional spaces are also used for non-credit training, economic development and customized training courses, workshop activities, specialized labs and academic support services, meetings, and community partnership initiatives.

<table>
<thead>
<tr>
<th>Data:</th>
<th>Percent Capacity</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Peak Mon-Fri 10:00-3:00</td>
<td>AM Off-Peak Mon-Fri 7:45-10:00am</td>
<td>PM Off-Peak Mon-Fri 3:00-5:00pm</td>
<td>Evenings Mon-Fri 5:00-10:00pm</td>
<td>Weekends Saturday 7:30am-6:00pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>% of rooms</td>
<td>% seats</td>
<td>% of rooms</td>
<td>% seats</td>
<td>% of rooms</td>
<td>% seats</td>
<td>% of rooms</td>
<td>% seats</td>
<td>% of rooms</td>
</tr>
<tr>
<td>Building:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATC</td>
<td>36.3</td>
<td>56.2</td>
<td>29.6</td>
<td>39.7</td>
<td>20.9</td>
<td>40.7</td>
<td>36.8</td>
<td>50.4</td>
<td>.4</td>
</tr>
<tr>
<td>Cook Hall</td>
<td>66.7</td>
<td>84.6</td>
<td>48.1</td>
<td>77.7</td>
<td>49.8</td>
<td>76.5</td>
<td>36.6</td>
<td>77.4</td>
<td>0</td>
</tr>
<tr>
<td>Ford Field House</td>
<td>51.8</td>
<td>41.4</td>
<td>54.7</td>
<td>37.9</td>
<td>30.5</td>
<td>45.2</td>
<td>11.2</td>
<td>64.5</td>
<td>0</td>
</tr>
<tr>
<td>Main Building</td>
<td>56.1</td>
<td>78.1</td>
<td>31.5</td>
<td>71.1</td>
<td>35.3</td>
<td>65.9</td>
<td>31.9</td>
<td>67.9</td>
<td>6.2</td>
</tr>
<tr>
<td>Music Building</td>
<td>31.0</td>
<td>44.6</td>
<td>31.8</td>
<td>42.6</td>
<td>23.5</td>
<td>44.7</td>
<td>10.3</td>
<td>35.2</td>
<td>0</td>
</tr>
<tr>
<td>Calkins Science Ctr</td>
<td>47.4</td>
<td>79.6</td>
<td>33.3</td>
<td>64.5</td>
<td>28.6</td>
<td>57.0</td>
<td>25.3</td>
<td>65.7</td>
<td>0</td>
</tr>
<tr>
<td>Sneden Hall</td>
<td>63.4</td>
<td>83.1</td>
<td>48.2</td>
<td>79.8</td>
<td>44.6</td>
<td>71.1</td>
<td>35.0</td>
<td>72.2</td>
<td>0</td>
</tr>
<tr>
<td>Spectrum Theater</td>
<td>53.9</td>
<td>59.3</td>
<td>52.2</td>
<td>42.5</td>
<td>26.9</td>
<td>49.6</td>
<td>27.9</td>
<td>43.6</td>
<td>0</td>
</tr>
<tr>
<td>Tassell MTEC</td>
<td>18.8</td>
<td>19.2</td>
<td>11.7</td>
<td>21.2</td>
<td>7.9</td>
<td>11.9</td>
<td>22.0</td>
<td>29.3</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>50.8</td>
<td>70.1</td>
<td>36.7</td>
<td>60.9</td>
<td>33.5</td>
<td>58.2</td>
<td>31.1</td>
<td>62.9</td>
<td>1.1</td>
</tr>
</tbody>
</table>

Source: GRCC R25 Data
C. Mandated Facility Standards

GRCC must uphold the following facility and/or accreditation standards:

- NCA  North Central Association (all programs)
- OSHA  Occupational Safety and Health Administration (all programs)
- MIOSHA  MI Occupational Safety and Health Administration
- NLNAC  National League for Nursing Accrediting Commission
- ADA  American Dental Association
- ACOTE  American Occupational Therapy Association
- ARRT  Radiologic Technology
- ACF  American Culinary Federation
- NASM  National Association of Schools of Music
- MCOTC  Michigan Corrections Officer Training Council
- NASAD  National Association of Schools of Art and Design

(See Appendix -GRCC Universal Guidelines)

In respect to the concerns sited by the National Association of Schools of Music visiting evaluators, this is the language used in their final report:

“The sharing of the recital/rehearsal room/recording studio/classroom (Room 200) presents many performance, rehearsal, and scheduling problems. The need for a performing hall on the campus was very apparent to the visitors.”

Dean Chesley has already indicated that NASM standards require a performance auditorium that can accommodate all of our performance ensembles and the audience. Room 200 is sorely inadequate.

D. Functionality of Existing Facilities and Space Allocation to Programs Served

1. GRCC is in need of more space on campus for classrooms and student support services. The growth in enrollment has outpaced our ability to keep our facilities modern and up to today’s classroom standards. We continue to be challenged by over $24 million in deferred maintenance projects.

2. The first floor of Cook Academic Hall was renovated in 2007 and is now the model for classroom, lab and student space renovation. Floor 2 - 5 of Cook Academic Hall will be renovated to meet the program and growth needs for Nursing, Allied Health, Math and English. (This project is authorized under Public Act 192 of 2012)

3. The Main Building is a 1920’s vintage building. It needs significant renovation of the HVAC systems. It houses academic programs (Education/Child Development, Fashions and Interiors, Photography, Art, Language and Thought, English), the Center for Teaching Excellence, student support offices (Admissions, Registrars, Enrollment Center, Financial Aid, Cashiers Office, Academic Advising), Student Employment Services, Deans Office, Provost Office, and a number of general purpose classrooms as well as Printing and Graphic Services office and production center. Major infrastructure needs have been identified and are being addressed through bond dollars.
4. GRCC’s Music Program is one of the premier Community College programs in the country, and the entire music building is need of renovation for classroom and rehearsal spaces. The new Recording Technology Program within the Music Center requires expanded facilities to accommodate increased enrollment, in addition to the performance hall issue previously stated.

5. The expansion of IT and IT services will require infrastructure improvements across campus as well as expanded space for technical maintenance, equipment repair, and storage.

6. The Education Lab Preschool currently operates from leased space in a nearby church. While we have a good relationship with the church, the need for more space in a modern, technologically advanced, and accessible facility is pressing.

7. The College Park Plaza building will need to be renovated in the next five years to house faculty offices. Significant infrastructure and environmental renovations will be necessary to provide adequate offices and student support spaces for the departments that will be located there. Infrastructure requirements are currently being addressed through bond dollars. Anticipated completion is summer 2013.

8. The Applied Technology Center (ATC) houses programs and offices for both GRCC and Ferris State University. Ferris State University is a one-third partner in the ATC. The increase in enrollment, expansion of non-credit job training programs, and development of new programs is increasing the need for additional classroom space in the ATC.

E. Replacement Value of Existing Facilities
   See attached Appendix C.

F. Utility System Condition
   See attached Facility Assessment, Appendix F.

G. Facility Infrastructure Condition
   See attached Facility Assessment, Appendix F.

H. Projected Utilities and Infrastructure Adequacy
   Upgrades to the College boiler plant provide adequate growth capability for heating and cooling systems. In general, we have adequate utilities and infrastructure systems for 5-year projected programmatic needs. Exceptions are detailed in attached Facility Assessment, Appendix F.

I. Land Owned, Future Development Capacity
   The College owns property on its downtown campus that would allow for expansion and completion of its downtown campus master plan – Appendix E.

J. Buildings Obligated to State Building Authority
   Two GRCC facilities are currently obligated to the State Building Authority:
   1. The Calkins Science Center – Lease end date 11/30/2034
   2. The Main Building – Lease end date 3/31/2037
Facility Assessment
5 Year Plan

GRCC contracted with IDS, Inc. in 2010 to complete a full assessment of seventeen facilities to identify deferred maintenance needs and prioritize critical areas. The criteria used to evaluate each facility included:

- Site materials and conditions
- Building material/systems and condition
- Building safety provisions
- Barrier-free accessibility
- Equipment and furnishings (evaluated by GRCC)
- Mechanical systems and conditions
- Electrical systems and conditions

An implementation plan to address these deficiencies was then constructed based on the priorities assigned to each facility. The plan identified the priority; item requiring attention; type category, i.e., architectural, mechanical, electrical, etc.; and an approximate cost.

IDS provided detailed spreadsheets for each facility, including square footage, circa year constructed and estimated replacement value. GRCC utilizes these documents to track and reprioritize needs if necessary, evaluate and monitor progress, and plan for future improvements. The documents for each facility have been updated for the period 2014-2018 and are attached. (Appendix F)
Section 5 – Implementation Plan

A. Prioritize Major Capital Projects Requested from the State
GRCC’s number priority for Capital Outlay funds is the renovation of Cook Academic Hall to house Nursing and Allied Health classrooms and labs, and improve classroom and instructional space for English and Math. This project is currently underway with an expected completion date of 2014.

B. Deferred Maintenance Backlog
GRCC’s estimated deferred maintenance backlog is approximately $27 million. Projects are listed in order, by building, and prioritized by a scoring system taking into account both the consequences of the problem as well as the need. The consequence of the problem ranks each item in terms of its critical nature. This ranges from the most critical items that are considered to be a hazard to life, health, or safety to the least critical, such as a condition that reduces the functional utility of the facility or results in extensive energy consumption. The need of the problem ranks each item from the most critical, those that if not accomplished, will result in serious and irrevocable loss or damage, to those that are desirable or necessary to improve handicap accessibility. The resulting sum of these two factors results in the overall priority score, where the lowest numerical number relates to the highest priority.

Two additional evaluation categories that are not included in the overall priority score, but may still be used as a determining factor, are frequency of use and whether or not an item may represent a savings in energy consumption when replaced and/or corrected.

The impact of the deferred maintenance can range from urgent (leaking roofs) to efficiency upgrades in our HVAC systems. Programmatic impact would occur due to failure of roof systems, HVAC systems or electrical systems.

See attached Facility Assessment, Appendix F.

C. On-going State Building Authority Projects
Cook Academic Hall authorized under Public Act 192 of 2012. Scheduled for completion by Fall semester 2014.

D. Planned Expenditure Rate of Return
No estimate.

E. Alternatives to New Infrastructure
We are continually working with faculty to increase the number of faculty certified to teach in an online format. We also continue to partner with our K-12 school districts to offer college courses in their high school. We expanded course offerings in Byron Center School District, Rockford and Ottawa county existing facilities.
F. Major Maintenance Items in Excess of $1 Million, 2014-2018
There are six known items that will require maintenance repairs or replacement within the specified timeframe:

1. Replace all Music Center air handling units with larger units and increase ductwork size
2. Increase College Park Plaza Building duct sizes and rezone the building, add new variable air volume reheat boxes, and new direct digital controls. Infrastructure issues are currently being addressed. Anticipated completion date 2013.
3. Main building infrastructure renovations involving HVAC (including mechanical rooms and roof top units), fire suppression, lighting, electrical and plumbing upgrades.
4. Sneden Hall infrastructure renovations are required to upgrade plumbing and associated fixtures, lighting, occupancy sensors, and elevator.
5. Learning Resource Center renovation would include electrical upgrades and panels, transformers, replacement of single pane windows, restroom enhancements to comply with ADA requirements, interior doors and associated hardware, lighting and control systems, and HVAC systems, cooling tower and chiller.

See attached Facility Assessment – Appendix F

G. Non-routine Maintenance
Parking Ramp repairs budgeted at $350,000 per year, and paid for from College auxiliary funds (parking revenue from student parking).
## Appendix A
### GRCC Fall 2012 Enrollment by Program Plan - Full and Part Time

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Description of Major</th>
<th>CIP Code</th>
<th>Full-time</th>
<th>Part-time</th>
<th>All</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>Undecided</td>
<td>0.0000</td>
<td>1379</td>
<td>1757</td>
<td>3136</td>
<td>18.0%</td>
</tr>
<tr>
<td>003</td>
<td>Early College Enrollment</td>
<td>24.0000</td>
<td>0</td>
<td>368</td>
<td>368</td>
<td>2.1%</td>
</tr>
<tr>
<td>006</td>
<td>Liberal Arts, General</td>
<td>24.0101</td>
<td>84</td>
<td>110</td>
<td>194</td>
<td>1.1%</td>
</tr>
<tr>
<td>007</td>
<td>Transfer/Other</td>
<td>24.0101</td>
<td>470</td>
<td>959</td>
<td>1429</td>
<td>8.2%</td>
</tr>
<tr>
<td>008</td>
<td>Unspecified Occupational Major</td>
<td>24.0102</td>
<td>155</td>
<td>358</td>
<td>513</td>
<td>2.9%</td>
</tr>
<tr>
<td>101</td>
<td>Business Admin, Trf</td>
<td>52.0101</td>
<td>133</td>
<td>173</td>
<td>306</td>
<td>1.8%</td>
</tr>
<tr>
<td>102</td>
<td>Bus Administration</td>
<td>52.0201</td>
<td>363</td>
<td>600</td>
<td>963</td>
<td>5.5%</td>
</tr>
<tr>
<td>108</td>
<td>Computer Applications, Cert</td>
<td>11.0201</td>
<td>4</td>
<td>19</td>
<td>23</td>
<td>0.1%</td>
</tr>
<tr>
<td>109</td>
<td>Computer Applications Tech</td>
<td>11.0201</td>
<td>46</td>
<td>85</td>
<td>131</td>
<td>0.8%</td>
</tr>
<tr>
<td>112</td>
<td>Office Administration</td>
<td>52.0402</td>
<td>20</td>
<td>56</td>
<td>76</td>
<td>0.4%</td>
</tr>
<tr>
<td>116</td>
<td>Marketing, Cert</td>
<td>52.1801</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>0.0%</td>
</tr>
<tr>
<td>120</td>
<td>Child Development</td>
<td>19.0708</td>
<td>115</td>
<td>197</td>
<td>312</td>
<td>1.8%</td>
</tr>
<tr>
<td>121</td>
<td>Fashion Merchandising</td>
<td>52.1902</td>
<td>43</td>
<td>50</td>
<td>93</td>
<td>0.5%</td>
</tr>
<tr>
<td>122</td>
<td>Interior Decorating &amp; Des</td>
<td>50.0408</td>
<td>27</td>
<td>41</td>
<td>68</td>
<td>0.4%</td>
</tr>
<tr>
<td>125</td>
<td>Marketing</td>
<td>52.1801</td>
<td>63</td>
<td>84</td>
<td>147</td>
<td>0.8%</td>
</tr>
<tr>
<td>127</td>
<td>Management &amp; Supervision</td>
<td>52.0201</td>
<td>28</td>
<td>69</td>
<td>97</td>
<td>0.6%</td>
</tr>
<tr>
<td>128</td>
<td>Accounting</td>
<td>52.0302</td>
<td>118</td>
<td>179</td>
<td>297</td>
<td>1.7%</td>
</tr>
<tr>
<td>130</td>
<td>Child Develop, Cda</td>
<td>19.0708</td>
<td>1</td>
<td>18</td>
<td>19</td>
<td>0.1%</td>
</tr>
<tr>
<td>135</td>
<td>Digital Prepress Cert</td>
<td>9.1001</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
</tr>
<tr>
<td>136</td>
<td>Digital Prepress</td>
<td>50.0402</td>
<td>6</td>
<td>6</td>
<td>12</td>
<td>0.1%</td>
</tr>
<tr>
<td>143</td>
<td>Unix Sys Admin, Cert</td>
<td>11.9999</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
</tr>
<tr>
<td>144</td>
<td>Digital Graphic Communications</td>
<td>50.0402</td>
<td>22</td>
<td>38</td>
<td>60</td>
<td>0.3%</td>
</tr>
<tr>
<td>145</td>
<td>Multi-Media Communications Tech</td>
<td>50.0402</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>0.0%</td>
</tr>
<tr>
<td>146</td>
<td>Comp Info Sys-Application Software</td>
<td>11.0202</td>
<td>13</td>
<td>30</td>
<td>43</td>
<td>0.2%</td>
</tr>
<tr>
<td>147</td>
<td>Comp Info Sys-Network Admin</td>
<td>11.1002</td>
<td>62</td>
<td>113</td>
<td>175</td>
<td>1.0%</td>
</tr>
<tr>
<td>149</td>
<td>Comp Info Sys-Programming</td>
<td>11.0201</td>
<td>97</td>
<td>121</td>
<td>218</td>
<td>1.2%</td>
</tr>
<tr>
<td>150</td>
<td>Information Security</td>
<td>11.1003</td>
<td>3</td>
<td>8</td>
<td>11</td>
<td>0.1%</td>
</tr>
<tr>
<td>151</td>
<td>Culinary Arts</td>
<td>12.0503</td>
<td>167</td>
<td>304</td>
<td>471</td>
<td>2.7%</td>
</tr>
<tr>
<td>152</td>
<td>Corrections</td>
<td>43.0102</td>
<td>37</td>
<td>91</td>
<td>128</td>
<td>0.7%</td>
</tr>
<tr>
<td>153</td>
<td>Juvenile Services</td>
<td>43.0102</td>
<td>66</td>
<td>140</td>
<td>206</td>
<td>1.2%</td>
</tr>
<tr>
<td>154</td>
<td>Addiction Studies, Cert</td>
<td>34.0104</td>
<td>5</td>
<td>19</td>
<td>24</td>
<td>0.1%</td>
</tr>
<tr>
<td>155</td>
<td>Culinary Mgmt, Assoc.</td>
<td>12.0504</td>
<td>55</td>
<td>55</td>
<td>110</td>
<td>0.6%</td>
</tr>
<tr>
<td>156</td>
<td>Baking &amp; Pastry Arts, Cert</td>
<td>12.0501</td>
<td>39</td>
<td>37</td>
<td>76</td>
<td>0.4%</td>
</tr>
<tr>
<td>158</td>
<td>Personal Chef</td>
<td>12.0501</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>0.0%</td>
</tr>
<tr>
<td>160</td>
<td>Web Design/Development</td>
<td>11.1004</td>
<td>27</td>
<td>43</td>
<td>70</td>
<td>0.4%</td>
</tr>
<tr>
<td>161</td>
<td>Web Technical Support</td>
<td>11.1004</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>0.0%</td>
</tr>
<tr>
<td>162</td>
<td>Web Design/Develop, Cert</td>
<td>11.1004</td>
<td>3</td>
<td>13</td>
<td>16</td>
<td>0.1%</td>
</tr>
<tr>
<td>163</td>
<td>Web Technical Support Cert</td>
<td>11.1004</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
</tr>
<tr>
<td>170</td>
<td>Entrepreneurship</td>
<td>52.0701</td>
<td>8</td>
<td>13</td>
<td>21</td>
<td>0.1%</td>
</tr>
<tr>
<td>201</td>
<td>Art, Trf</td>
<td>50.0701</td>
<td>53</td>
<td>68</td>
<td>121</td>
<td>0.7%</td>
</tr>
<tr>
<td>202</td>
<td>Foreign Lang, Trf</td>
<td>16.0101</td>
<td>8</td>
<td>14</td>
<td>22</td>
<td>0.1%</td>
</tr>
<tr>
<td>203</td>
<td>Music, Trf</td>
<td>50.0901</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>0.0%</td>
</tr>
<tr>
<td>206</td>
<td>Music Education: Instrumental</td>
<td>13.1312</td>
<td>18</td>
<td>28</td>
<td>46</td>
<td>0.3%</td>
</tr>
<tr>
<td>Course Code</td>
<td>Program</td>
<td>Code</td>
<td>Section</td>
<td>Credits</td>
<td>Total Credits</td>
<td>% of Total</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------</td>
<td>------</td>
<td>---------</td>
<td>----------</td>
<td>--------------</td>
<td>------------</td>
</tr>
<tr>
<td>207</td>
<td>Music Education: Choral</td>
<td>13.1312</td>
<td>10</td>
<td>11</td>
<td>21</td>
<td>0.1%</td>
</tr>
<tr>
<td>208</td>
<td>Music Performance: Instrumental</td>
<td>50.0903</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>0.2%</td>
</tr>
<tr>
<td>209</td>
<td>Music Performance: Voice</td>
<td>50.0908</td>
<td>17</td>
<td>17</td>
<td>34</td>
<td>0.2%</td>
</tr>
<tr>
<td>210</td>
<td>Music Perform: Piano/Organ</td>
<td>50.0907</td>
<td>6</td>
<td>3</td>
<td>9</td>
<td>0.1%</td>
</tr>
<tr>
<td>211</td>
<td>Music Merchandising, Trf</td>
<td>50.0909</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td>0.0%</td>
</tr>
<tr>
<td>212</td>
<td>Recording Tech, Trf</td>
<td>50.0999</td>
<td>16</td>
<td>31</td>
<td>47</td>
<td>0.3%</td>
</tr>
<tr>
<td>250</td>
<td>Photography</td>
<td>50.0605</td>
<td>45</td>
<td>68</td>
<td>113</td>
<td>0.6%</td>
</tr>
<tr>
<td>251</td>
<td>Fine Arts</td>
<td>50.0702</td>
<td>41</td>
<td>37</td>
<td>78</td>
<td>0.4%</td>
</tr>
<tr>
<td>305</td>
<td>Radiologic Tech</td>
<td>51.0907</td>
<td>1</td>
<td>50</td>
<td>51</td>
<td>0.3%</td>
</tr>
<tr>
<td>321</td>
<td>Assoc Deg Nursing-Incomplete</td>
<td>51.1601</td>
<td>120</td>
<td>279</td>
<td>399</td>
<td>2.3%</td>
</tr>
<tr>
<td>322</td>
<td>Dental Assisting-Incomplete</td>
<td>51.0601</td>
<td>8</td>
<td>26</td>
<td>34</td>
<td>0.2%</td>
</tr>
<tr>
<td>323</td>
<td>Practical Nursing-Incomplete</td>
<td>51.1613</td>
<td>39</td>
<td>116</td>
<td>155</td>
<td>0.9%</td>
</tr>
<tr>
<td>324</td>
<td>Dental Hygiene-Incomplete</td>
<td>51.0602</td>
<td>59</td>
<td>95</td>
<td>154</td>
<td>0.9%</td>
</tr>
<tr>
<td>325</td>
<td>Radiological Tech Incomplete</td>
<td>51.0907</td>
<td>52</td>
<td>138</td>
<td>190</td>
<td>1.1%</td>
</tr>
<tr>
<td>328</td>
<td>OTA Incomplete</td>
<td>51.0803</td>
<td>21</td>
<td>59</td>
<td>80</td>
<td>0.5%</td>
</tr>
<tr>
<td>329</td>
<td>ADN Adv Stand Nurs-Incomplete</td>
<td>51.1601</td>
<td>0</td>
<td>18</td>
<td>18</td>
<td>0.1%</td>
</tr>
<tr>
<td>331</td>
<td>Adn - Ready</td>
<td>51.1601</td>
<td>19</td>
<td>213</td>
<td>232</td>
<td>1.3%</td>
</tr>
<tr>
<td>332</td>
<td>Da - Ready</td>
<td>51.0601</td>
<td>9</td>
<td>24</td>
<td>33</td>
<td>0.2%</td>
</tr>
<tr>
<td>333</td>
<td>Pn - Ready</td>
<td>51.1613</td>
<td>12</td>
<td>80</td>
<td>92</td>
<td>0.5%</td>
</tr>
<tr>
<td>334</td>
<td>Dh - Ready</td>
<td>51.0602</td>
<td>1</td>
<td>7</td>
<td>8</td>
<td>0.0%</td>
</tr>
<tr>
<td>335</td>
<td>Rt - Ready</td>
<td>51.0907</td>
<td>1</td>
<td>29</td>
<td>30</td>
<td>0.2%</td>
</tr>
<tr>
<td>338</td>
<td>Ota - Ready</td>
<td>51.0803</td>
<td>6</td>
<td>19</td>
<td>25</td>
<td>0.1%</td>
</tr>
<tr>
<td>339</td>
<td>Ads - Ready</td>
<td>51.1601</td>
<td>2</td>
<td>15</td>
<td>17</td>
<td>0.1%</td>
</tr>
<tr>
<td>340</td>
<td>Occupational Therapy Assistant</td>
<td>51.0803</td>
<td>0</td>
<td>44</td>
<td>44</td>
<td>0.3%</td>
</tr>
<tr>
<td>354</td>
<td>Practical Nurs PT-Incomplete</td>
<td>51.1613</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>0.0%</td>
</tr>
<tr>
<td>361</td>
<td>Assoc Deg Nursing-In Class</td>
<td>51.1601</td>
<td>0</td>
<td>129</td>
<td>129</td>
<td>0.7%</td>
</tr>
<tr>
<td>369</td>
<td>ADN Adv Stand Nurs-In Class</td>
<td>51.1601</td>
<td>2</td>
<td>40</td>
<td>42</td>
<td>0.2%</td>
</tr>
<tr>
<td>371</td>
<td>Pract Nurs, Cert-In class</td>
<td>51.1613</td>
<td>1</td>
<td>75</td>
<td>76</td>
<td>0.4%</td>
</tr>
<tr>
<td>373</td>
<td>Pract Nurs, Cert-In Class</td>
<td>51.1613</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>378</td>
<td>PT Pn, Cert-In Class</td>
<td>51.1613</td>
<td>1</td>
<td>20</td>
<td>21</td>
<td>0.1%</td>
</tr>
<tr>
<td>380</td>
<td>Surgical Tech/LCC, Trf</td>
<td>51.0909</td>
<td>7</td>
<td>22</td>
<td>29</td>
<td>0.2%</td>
</tr>
<tr>
<td>392</td>
<td>Dental Assisting, Cert. FT-392</td>
<td>51.0601</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>0.0%</td>
</tr>
<tr>
<td>393</td>
<td>Dental Assisting, Assoc FT-393</td>
<td>51.0601</td>
<td>10</td>
<td>3</td>
<td>13</td>
<td>0.1%</td>
</tr>
<tr>
<td>394</td>
<td>Dental Hygiene, FT</td>
<td>51.0601</td>
<td>64</td>
<td>65</td>
<td>0.4%</td>
<td></td>
</tr>
<tr>
<td>396</td>
<td>Dental Assisting, Assoc PT-396</td>
<td>51.0601</td>
<td>1</td>
<td>15</td>
<td>16</td>
<td>0.1%</td>
</tr>
<tr>
<td>401</td>
<td>English, Trf-401</td>
<td>23.0101</td>
<td>35</td>
<td>53</td>
<td>88</td>
<td>0.5%</td>
</tr>
<tr>
<td>402</td>
<td>Journalism, Trf</td>
<td>9.0401</td>
<td>32</td>
<td>38</td>
<td>70</td>
<td>0.4%</td>
</tr>
<tr>
<td>403</td>
<td>Library Science, Trf</td>
<td>25.0101</td>
<td>4</td>
<td>3</td>
<td>7</td>
<td>0.0%</td>
</tr>
<tr>
<td>404</td>
<td>Speech, Trf</td>
<td>23.1001</td>
<td>7</td>
<td>4</td>
<td>11</td>
<td>0.1%</td>
</tr>
<tr>
<td>420</td>
<td>Paraprofessional Education</td>
<td>13.1501</td>
<td>12</td>
<td>14</td>
<td>26</td>
<td>0.1%</td>
</tr>
<tr>
<td>430</td>
<td>Theater, Trf</td>
<td>50.0501</td>
<td>12</td>
<td>13</td>
<td>25</td>
<td>0.1%</td>
</tr>
<tr>
<td>501</td>
<td>Biology, Trf</td>
<td>26.0101</td>
<td>51</td>
<td>66</td>
<td>117</td>
<td>0.7%</td>
</tr>
<tr>
<td>503</td>
<td>Forestry, Trf</td>
<td>3.0501</td>
<td>2</td>
<td>5</td>
<td>7</td>
<td>0.0%</td>
</tr>
<tr>
<td>507</td>
<td>Medical Tech, Trf</td>
<td>51.1005</td>
<td>12</td>
<td>21</td>
<td>33</td>
<td>0.2%</td>
</tr>
<tr>
<td>509</td>
<td>Mortuary Science, Trf</td>
<td>12.0301</td>
<td>4</td>
<td>7</td>
<td>11</td>
<td>0.1%</td>
</tr>
<tr>
<td>510</td>
<td>Nat Resources, Trf</td>
<td>3.0101</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>0.1%</td>
</tr>
<tr>
<td>511</td>
<td>Nursing, Trf</td>
<td>51.1601</td>
<td>93</td>
<td>165</td>
<td>258</td>
<td>1.5%</td>
</tr>
<tr>
<td>Course</td>
<td>Code</td>
<td>Trf 1</td>
<td>Trf 2</td>
<td>Trf 3</td>
<td>Trf 4</td>
<td>%</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>51.1103</td>
<td>49</td>
<td>37</td>
<td>86</td>
<td></td>
<td>0.5%</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>51.2306</td>
<td>18</td>
<td>25</td>
<td>43</td>
<td></td>
<td>0.2%</td>
</tr>
<tr>
<td>Phys Therapy</td>
<td>51.2308</td>
<td>68</td>
<td>63</td>
<td>131</td>
<td></td>
<td>0.8%</td>
</tr>
<tr>
<td>Pre-Dentistry</td>
<td>51.1101</td>
<td>10</td>
<td>6</td>
<td>16</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Pre-Medicine</td>
<td>51.1102</td>
<td>116</td>
<td>87</td>
<td>203</td>
<td></td>
<td>1.2%</td>
</tr>
<tr>
<td>Pre-Vet Med</td>
<td>51.1104</td>
<td>26</td>
<td>31</td>
<td>57</td>
<td></td>
<td>0.3%</td>
</tr>
<tr>
<td>Environ Science</td>
<td>3.0101</td>
<td>11</td>
<td>14</td>
<td>25</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Crop &amp; Soil Science</td>
<td>2.0501</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Pre-Optometry</td>
<td>51.1701</td>
<td>7</td>
<td>4</td>
<td>11</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Physical Education</td>
<td>13.1314</td>
<td>19</td>
<td>7</td>
<td>26</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Water Purif Technology</td>
<td>15.0506</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Chemical Technology</td>
<td>41.0301</td>
<td>15</td>
<td>10</td>
<td>25</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Landscape Management</td>
<td>1.0605</td>
<td>6</td>
<td>23</td>
<td>29</td>
<td></td>
<td>0.2%</td>
</tr>
<tr>
<td>Chemistry</td>
<td>40.0501</td>
<td>19</td>
<td>16</td>
<td>35</td>
<td></td>
<td>0.2%</td>
</tr>
<tr>
<td>Engineering</td>
<td>14.0101</td>
<td>112</td>
<td>106</td>
<td>218</td>
<td></td>
<td>1.2%</td>
</tr>
<tr>
<td>Mathematics</td>
<td>27.0101</td>
<td>11</td>
<td>14</td>
<td>25</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Physics</td>
<td>40.0801</td>
<td>7</td>
<td>4</td>
<td>11</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Geology</td>
<td>40.0601</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>11.0101</td>
<td>47</td>
<td>52</td>
<td>99</td>
<td></td>
<td>0.6%</td>
</tr>
<tr>
<td>Kettering Engineer</td>
<td>14.0101</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Kettering Management</td>
<td>52.9999</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Manufac Eng Tech</td>
<td>15.0607</td>
<td>6</td>
<td>13</td>
<td>19</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Plastics Tech</td>
<td>15.0607</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>WMU Engineering Tech</td>
<td>15.1101</td>
<td>8</td>
<td>5</td>
<td>13</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Economics</td>
<td>45.0601</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Pre-Secondary Ed.</td>
<td>13.1206</td>
<td>40</td>
<td>40</td>
<td>80</td>
<td></td>
<td>0.5%</td>
</tr>
<tr>
<td>Pre Elem Education</td>
<td>13.1202</td>
<td>117</td>
<td>124</td>
<td>241</td>
<td></td>
<td>1.4%</td>
</tr>
<tr>
<td>History</td>
<td>45.0801</td>
<td>21</td>
<td>23</td>
<td>44</td>
<td></td>
<td>0.3%</td>
</tr>
<tr>
<td>Criminal Just</td>
<td>43.0103</td>
<td>95</td>
<td>136</td>
<td>231</td>
<td></td>
<td>1.3%</td>
</tr>
<tr>
<td>Law Enforcement</td>
<td>43.0107</td>
<td>154</td>
<td>184</td>
<td>338</td>
<td></td>
<td>1.9%</td>
</tr>
<tr>
<td>Law Enforcement-Police Aca</td>
<td>15.0107</td>
<td>0</td>
<td>26</td>
<td>26</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Political Sci</td>
<td>45.1001</td>
<td>11</td>
<td>19</td>
<td>30</td>
<td></td>
<td>0.2%</td>
</tr>
<tr>
<td>Pre-Law</td>
<td>22.0102</td>
<td>27</td>
<td>26</td>
<td>53</td>
<td></td>
<td>0.3%</td>
</tr>
<tr>
<td>Psychology</td>
<td>42.0101</td>
<td>143</td>
<td>159</td>
<td>302</td>
<td></td>
<td>1.7%</td>
</tr>
<tr>
<td>Social Work</td>
<td>44.0701</td>
<td>70</td>
<td>136</td>
<td>206</td>
<td></td>
<td>1.2%</td>
</tr>
<tr>
<td>Sociology</td>
<td>45.1101</td>
<td>15</td>
<td>21</td>
<td>36</td>
<td></td>
<td>0.2%</td>
</tr>
<tr>
<td>Geography</td>
<td>45.0701</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td></td>
<td>0.0%</td>
</tr>
<tr>
<td>Gerontology</td>
<td>19.0702</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Child Develop, Non-Program</td>
<td>20.0000</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Business, Non-Program</td>
<td>52.0000</td>
<td>3</td>
<td>10</td>
<td>13</td>
<td>0.1%</td>
<td></td>
</tr>
<tr>
<td>Computer Appl, Non-Program</td>
<td>11.0000</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Law Enforce, Non-Program-824</td>
<td>43.0000</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Physical Science, Non-Prog-830</td>
<td>40.0000</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Drafting, Non-Program-832</td>
<td>48.0000</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Tooling &amp; Mfg, Non-Program</td>
<td>15.0000</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Transportation, Non-Prog-836</td>
<td>47.0000</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Art, Non-Degree-837</td>
<td>24.0000</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Program Description</td>
<td>Credits</td>
<td>Enrolled</td>
<td>Majors</td>
<td>% Change</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------</td>
<td>---------</td>
<td>----------</td>
<td>--------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>838</td>
<td>Music, Non-Degree</td>
<td>24.0000</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>842</td>
<td>Physical Educ, Non-Degree</td>
<td>24.0000</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0.0%</td>
</tr>
<tr>
<td>843</td>
<td>Social Science, Non-Degree</td>
<td>45.0000</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>846</td>
<td>Health Related, Non-Program</td>
<td>51.0000</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>0.0%</td>
</tr>
<tr>
<td>847</td>
<td>MCCVLC Student</td>
<td>24.0000</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0.0%</td>
</tr>
<tr>
<td>848</td>
<td>Guest Student</td>
<td>24.0000</td>
<td>6</td>
<td>130</td>
<td>136</td>
<td>0.8%</td>
</tr>
<tr>
<td>849</td>
<td>Career Exploration</td>
<td>12.0000</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>850</td>
<td>Personal Interest, Non-Degree</td>
<td>12.0000</td>
<td>43</td>
<td>344</td>
<td>387</td>
<td>2.2%</td>
</tr>
<tr>
<td>900</td>
<td>Technology Option</td>
<td>15.9999</td>
<td>2</td>
<td>9</td>
<td>11</td>
<td>0.1%</td>
</tr>
<tr>
<td>901</td>
<td>Architecture, Trf</td>
<td>4.0201</td>
<td>11</td>
<td>12</td>
<td>23</td>
<td>0.1%</td>
</tr>
<tr>
<td>904</td>
<td>Mechanical Design</td>
<td>15.1306</td>
<td>31</td>
<td>40</td>
<td>71</td>
<td>0.4%</td>
</tr>
<tr>
<td>905</td>
<td>Architectural Design-905</td>
<td>15.1303</td>
<td>26</td>
<td>16</td>
<td>42</td>
<td>0.2%</td>
</tr>
<tr>
<td>906</td>
<td>Electronics Tech</td>
<td>15.0303</td>
<td>37</td>
<td>51</td>
<td>88</td>
<td>0.5%</td>
</tr>
<tr>
<td>908</td>
<td>Tooling &amp; Mfg Tech</td>
<td>48.0503</td>
<td>9</td>
<td>58</td>
<td>67</td>
<td>0.4%</td>
</tr>
<tr>
<td>912</td>
<td>Air C, Ref, Ht Tech</td>
<td>15.0501</td>
<td>23</td>
<td>46</td>
<td>69</td>
<td>0.4%</td>
</tr>
<tr>
<td>918</td>
<td>Industrial Maintenance Tech Cert</td>
<td>47.0303</td>
<td>1</td>
<td>11</td>
<td>12</td>
<td>0.1%</td>
</tr>
<tr>
<td>919</td>
<td>Industrial Tech, Cert</td>
<td>47.0303</td>
<td>2</td>
<td>8</td>
<td>10</td>
<td>0.1%</td>
</tr>
<tr>
<td>920</td>
<td>Tooling &amp; Mfg, Cert</td>
<td>48.0503</td>
<td>2</td>
<td>11</td>
<td>13</td>
<td>0.1%</td>
</tr>
<tr>
<td>921</td>
<td>Auto Servicing, Cert</td>
<td>47.0604</td>
<td>12</td>
<td>39</td>
<td>51</td>
<td>0.3%</td>
</tr>
<tr>
<td>922</td>
<td>Automotive Technology</td>
<td>15.0803</td>
<td>80</td>
<td>128</td>
<td>208</td>
<td>1.2%</td>
</tr>
<tr>
<td>924</td>
<td>Air C, Ref, Ht, Cert</td>
<td>47.0201</td>
<td>9</td>
<td>25</td>
<td>34</td>
<td>0.2%</td>
</tr>
<tr>
<td>925</td>
<td>Architectural Technology</td>
<td>15.1303</td>
<td>24</td>
<td>43</td>
<td>67</td>
<td>0.4%</td>
</tr>
<tr>
<td>926</td>
<td>Electronics Svc, Cert</td>
<td>47.0199</td>
<td>4</td>
<td>2</td>
<td>6</td>
<td>0.0%</td>
</tr>
<tr>
<td>927</td>
<td>Photography, Trf</td>
<td>50.0605</td>
<td>11</td>
<td>13</td>
<td>24</td>
<td>0.1%</td>
</tr>
<tr>
<td>928</td>
<td>Mechanical Design, Cert</td>
<td>15.1306</td>
<td>2</td>
<td>8</td>
<td>10</td>
<td>0.1%</td>
</tr>
<tr>
<td>931</td>
<td>Welding, Cert</td>
<td>48.0508</td>
<td>5</td>
<td>18</td>
<td>23</td>
<td>0.1%</td>
</tr>
<tr>
<td>932</td>
<td>Welding Technology</td>
<td>48.0508</td>
<td>23</td>
<td>46</td>
<td>69</td>
<td>0.4%</td>
</tr>
<tr>
<td>935</td>
<td>Plastics Mfg Tech</td>
<td>15.0607</td>
<td>10</td>
<td>18</td>
<td>28</td>
<td>0.2%</td>
</tr>
<tr>
<td>939</td>
<td>Quality Science</td>
<td>15.0702</td>
<td>8</td>
<td>19</td>
<td>27</td>
<td>0.2%</td>
</tr>
<tr>
<td>940</td>
<td>Quality Science, Cert</td>
<td>15.0702</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>945</td>
<td>Plastics Mfg Tech, Cert</td>
<td>15.0607</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td>0.0%</td>
</tr>
<tr>
<td>950</td>
<td>Apprenticeship Option</td>
<td>47.9999</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>954</td>
<td>Manufacturing Apprentice Cert</td>
<td>47.0000</td>
<td>1</td>
<td>193</td>
<td>194</td>
<td>1.1%</td>
</tr>
<tr>
<td>985</td>
<td>Industrial Maintenance Tech</td>
<td>47.0303</td>
<td>7</td>
<td>28</td>
<td>35</td>
<td>0.2%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>6264</td>
<td>11184</td>
<td>17448</td>
<td>100.0%</td>
<td></td>
</tr>
</tbody>
</table>
Appendix B

Vision of the Learning Environment at Grand Rapids Community College

Prepared by the Learning Environment Team

This vision is the result of the work of the Learning Environment Team at GRCC. It represents the team’s vision of the ideal GRCC campus as an enhanced learning environment. The vision was formulated after a great deal of consideration of the many factors that influence the campus community.

The Grand Rapids Community College campus is a warm, vibrant and safe learning environment. The entire campus invites learning, engagement, professional conversation, reflection and social interaction.

To achieve this vision, the Learning Environment Team has established the following universal guidelines for an enhanced physical learning environment at GRCC.

The enhanced physical learning environment at GRCC must:

- Meet the basic needs of human beings, including a diversity of physical needs
- Allow for multiple modes of learning in support of different learning styles and different teaching styles
- Allow and support individual choices and needs
- Provide places outside classrooms and offices that are conducive to formal and informal interaction
- Provide for flexibility in use of space
- Symbolize that learning is honored and that students and staff are valued
- Embody a democratic spirit by providing quality space for everyone
- Support access to and interaction with the greater community
- Be designed to meet functional needs; understanding that learning is distributed, has discipline-specific requirements, depends on technology, and requires multiple types of spaces
- Provide physically and psychologically safe spaces in support of learning
Vision and Guidelines in Action

Information/Communication:

- The names of all campus buildings convey a collegiate image.
- Maps, signage and electronic media assist students and visitors in locating buildings, offices and rooms on campus.
- Information about college services and resources is readily available to students, staff and visitors.
- Information about current college activities is readily available to students, staff and visitors wherever they are on campus.
- The prevailing consumer technologies are used to communicate important information to the individual student, employee or community member.
- Staff members are well-informed about college offices and services and respond accurately with warmth and courtesy to questions about the college.

Environment:

- Bostwick Commons invites students and staff to gather outside for casual conversation.
- Comfortable, informal learning spaces located on each floor of every campus building encourage studying and informal dialogue. Food and beverage can be consumed in those informal learning spaces.
- Informal learning spaces adjacent to classrooms allow small-group pedagogies in classrooms to expand into the adjacent space.
- All internal building environments are quality, high-energy work and study environments. Walls are painted in vibrant, engaging colors. Artwork in hallways is visually appealing and stimulates thought and self-reflection. All internal building environments encourage students to focus on their personal and academic goals and to respect needs and rights of others. Walls of the classrooms have ample whiteboard space and display colorful posters, artwork and instructional materials.
- Classrooms are equipped with tables and comfortable chairs that are appropriate for our population. This furniture can easily be moved to accommodate the preferred pedagogy for each class.
- Classrooms have sufficient space available to invite the movement of furniture, students and faculty throughout the room during the class.
- College policies empower faculty to create the classroom configuration that best supports the learning outcomes for that particular class.
- Technology that supports instruction is readily accessible. All classrooms have the technology infrastructure needed to accommodate future technology developments.
- Lighting in classrooms is sufficiently bright to promote reading and lively interaction. Level of lighting can be conveniently controlled to support various instructional methods.
- The college’s heating/ventilation/air-conditioning (HVAC) system is regulated to levels that are safe, healthy, comfortable, and conducive to learning.
- All facilities are well-maintained (furniture, floor, carpeting, walls, bathroom fixtures, etc.)
- All areas of campus are physically and psychologically safe.
- Faculty office areas offer space for confidential conversations with students, one-on-one learning during office hours, and other individually-focused tutoring.
- A variety of quality food services are available and distributed throughout the campus. Picnic tables and benches are available throughout the campus.
- The campus is a tobacco-free environment.
- Restrooms are designed for comfort and cleanliness. All equipment and materials are designed to minimize environmental impact. All restrooms have shelves to accommodate backpacks, books, etc.

**Individual Needs:**

- All campus spaces strive to meet the basic needs of all individuals for a healthy, comfortable, and functional environment.
- The learning environments on campus are readily accessible to all learners and support a variety of learning styles and preferences.
- Students, staff and faculty are encouraged to develop and express their opinions. Opinions of a broad spectrum of individuals are respected.
- Students can identify and access places on campus where they feel comfortable and safe when necessary.
- Faculty are integrally involved in the setting of standards for all learning environments and in the design of those environments. The design of specialized instructional areas (e.g., science laboratories, art studios, etc.) relies heavily on the faculty who will teach in those environments.
- Faculty and staff have areas available for informal interaction over lunch and breaks. Interaction is facilitated with members of their own department and with faculty and staff from other offices and departments.

Endorsed by AGC – January 12, 2010
Updated by LET – December, 2009
### Grand Rapids Community College - Facility Condition Index

<table>
<thead>
<tr>
<th>Building</th>
<th>Current Deficiency Cost</th>
<th>Current Replacement Value</th>
<th>Facility Condition Index (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration Building</td>
<td>$353,379.81</td>
<td>$4,210,380.00</td>
<td>8.39%</td>
</tr>
<tr>
<td>Applied Technology Center and Parking Ramp</td>
<td>$3,742,844.62</td>
<td>$63,178,677.00</td>
<td>5.92%</td>
</tr>
<tr>
<td>Bungalow (Carriage House)</td>
<td>$214,337.25</td>
<td>$871,987.50</td>
<td>24.58%</td>
</tr>
<tr>
<td>Calkins Science Center</td>
<td>$201,801.44</td>
<td>$45,578,812.50</td>
<td>0.44%</td>
</tr>
<tr>
<td>Chiller Plant</td>
<td>$177,307.26</td>
<td>$7,948,800.00</td>
<td>2.23%</td>
</tr>
<tr>
<td>College Park Plaza and Parking Ramp</td>
<td>$229,913.76</td>
<td>$11,180,691.00</td>
<td>2.06%</td>
</tr>
<tr>
<td>Cook Academic Building and Parking Ramp</td>
<td>$101,488.68</td>
<td>$37,670,170.50</td>
<td>0.27%</td>
</tr>
<tr>
<td>Data Center and Bostwick Parking Ramp</td>
<td>$1,040,061.09</td>
<td>$46,161,000.00</td>
<td>0.25%</td>
</tr>
<tr>
<td>East Campus Parking Ramp</td>
<td>$31,153.03</td>
<td>$6,261,750.00</td>
<td>0.50%</td>
</tr>
<tr>
<td>Facilities Offices and Lyon Street Parking Ramp</td>
<td>$472,349.29</td>
<td>$22,859,217.00</td>
<td>2.07%</td>
</tr>
<tr>
<td>Ford Field House</td>
<td>$2,807,061.06</td>
<td>$17,307,063.00</td>
<td>16.22%</td>
</tr>
<tr>
<td>Ford Natatorium</td>
<td>$1,497,778.18</td>
<td>$10,311,498.00</td>
<td>14.53%</td>
</tr>
<tr>
<td>Learning Resource Center</td>
<td>$3,573,295.77</td>
<td>$17,220,123.00</td>
<td>20.75%</td>
</tr>
<tr>
<td>Lettinga Center</td>
<td>$324,764.22</td>
<td>$1,703,920.50</td>
<td>19.06%</td>
</tr>
<tr>
<td>Mable Engle</td>
<td>$544,208.37</td>
<td>$3,265,425.00</td>
<td>16.67%</td>
</tr>
<tr>
<td>Main Building</td>
<td>$2,517,368.58</td>
<td>$65,352,487.50</td>
<td>3.85%</td>
</tr>
<tr>
<td>McCabe-Marlowe House</td>
<td>$229,950.62</td>
<td>$1,391,868.00</td>
<td>16.52%</td>
</tr>
<tr>
<td>Music Center</td>
<td>$3,045,536.21</td>
<td>$10,846,386.00</td>
<td>28.08%</td>
</tr>
<tr>
<td>Practice Field Service Building</td>
<td>$86,280.74</td>
<td>$58,891.50</td>
<td>146.51%</td>
</tr>
<tr>
<td>Sneden Academic Building</td>
<td>$4,611,912.94</td>
<td>$22,982,175.00</td>
<td>20.07%</td>
</tr>
<tr>
<td>Spectrum Theater</td>
<td>$163,757.89</td>
<td>$11,191,248.00</td>
<td>1.46%</td>
</tr>
<tr>
<td>Student Center</td>
<td>$1,320,949.55</td>
<td>$18,379,737.00</td>
<td>7.19%</td>
</tr>
<tr>
<td>Tassell M-TEC</td>
<td>$404,822.68</td>
<td>$25,492,050.00</td>
<td>1.59%</td>
</tr>
<tr>
<td>Thompson M-TEC</td>
<td>$140,759.05</td>
<td>$9,315,000.00</td>
<td>1.51%</td>
</tr>
<tr>
<td>White Hall</td>
<td>$ -</td>
<td>$5,273,325.00</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

The FCI uses empirical data to benchmark relative measures of conditions on campuses. The FCI values are assessed as follows:

- FCI value less than 5% = Good condition
- FCI value 5% - 10% = Fair condition
- FCI value greater than 10% = Poor condition

Based upon these FCI values, 9 buildings are in poor condition. Music Center, Bungalow (Carriage House), Learning Resource Center, and Sneden Academic Building have the most immediate need for replacement work, as they have the highest FCI values ranging from 20.07% to 28.08%. These values are primarily driven by the high cost of building and mechanical infrastructure upgrades and equipment replacement costs. The Practice Field Service Building FCI value of 146.51% is the result of a relatively low building replacement cost and the addition of toilet facilities for the building.
Executive Summary

The Economic Contribution of

Grand Rapids Community College
State of Michigan

Economic Growth Analysis
Investment Analysis

March 2012
**Socioeconomic Impact Study**

**STUDY HIGHLIGHTS**

**INVESTMENT ANALYSIS**
- For every dollar students invest in GRCC, they receive a cumulative **$4.20** in higher future income (discounted) over the course of their working careers.
- Michigan benefits from improved health and reduced welfare, unemployment, and crime, saving the public some **$5 million** per year.
- Taxpayers see a rate of return of **8.7%** on their investment in GRCC.

**ECONOMIC GROWTH ANALYSIS**
- The net added income generated by GRCC operations (**$82.9 million**) and the spending of non-local students (**$10.6 million**) contributes a total of **$93.5 million** in income to the Kent County economy each year.
- The accumulated credits achieved by former GRCC students over the past 30 years translate to **$336.2 million** in added regional income each year due to the higher earnings of students and increased output of businesses.

**KENT COUNTY MAP**

Grand Rapids Community College Service Area

Kent
Executive Summary

INTRODUCTION

How do the Kent County economy and the state of Michigan benefit from the presence of Grand Rapids Community College (GRCC)?

In this study, EMSI applies a comprehensive model designed to quantify the economic benefits of community and technical colleges and translate these into common sense benefit/cost and investment terms. The study includes two major analyses:

1. **Investment Analysis**: Treats education funding as an investment, calculating all measurable returns and comparing them to costs, from the perspectives of students, taxpayers, and society as a whole.

2. **Economic Growth Analysis**: Measures added income in the region due to college operations, student spending, and the accumulated skills of past and present students still in the workforce.

The economic impact model has been field-tested to generate more than 900 studies for community, technical, and further education colleges in the US, Canada, the UK, and Australia. To see the full documentation of the study, please contact the college.

THE RESULTS

**Investment Analysis**

**Student Perspective**

Benefits of higher education are most obvious from the student perspective: students sacrifice current earnings (as well as money to pay for tuition) in return for a lifetime of higher income. Compared to someone with a high school diploma, associate’s degree graduates earn $11,400 more per year, on average, over the course of a working lifetime (undiscounted).

From an investment standpoint, GRCC students enjoy a 14.0% rate of return on their investments of time and money. This compares favorably with returns on other investments, e.g., long-term return on stocks and bonds.

The corresponding benefit/cost ratio is 4.2, i.e., for every dollar students invest in GRCC education, they receive a cumulative of $4.20 in higher future income over their working careers. This is a real return that accounts for any discounting that occurs during the entire period. The payback period is 10.5 years.
From the perspective of society as a whole, the benefits of education accrue to different publics. For example, GRCC students expand the state’s economic base through their higher incomes, while the businesses that employ them also become more productive through the students’ added skills. These benefits, together with the associated ripple effects, contribute an estimated $84.4 million in taxable income to the Michigan economy each year.

As they achieve higher levels of education, GRCC students are also less likely to smoke or abuse alcohol, draw welfare or unemployment benefits, or commit crimes. This translates into associated dollar savings (i.e., avoided costs) to the public equal to approximately $5 million annually. These are benefits that are incidental to the operations of GRCC and accrue for years into the future, for as long as students remain active in the workforce.

To compare benefits to costs, we project benefits into the future, discount them back to the present, and weigh them against the $57.1 million that state and local taxpayers spent in FY 2010-11 to support the college. Following this procedure, it is estimated that GRCC provides a benefit/cost ratio of 25.6, i.e. every dollar of state and local tax money invested in the college today yields a cumulative of $25.60 in benefits that accrue to all Michigan residents, in terms of added taxable income and avoided social costs.

Under the taxpayer perspective, only benefits that accrue to state and local governments are counted, namely, increased tax collections and reduced government expenditures. For example, in place of increased income, the taxpayer perspective includes only the increased state and local tax receipts from those higher incomes. Similarly, in place of overall crime, welfare, unemployment and health savings, the taxpayer perspective includes only those that translate to actual reductions in state and local government expenditures.

Note here that government often undertakes activities wanted by the public, but which may be unprofitable in the marketplace. This means that positive economic returns are generally not expected from government investments. From the taxpayer perspective, therefore, even a small positive return (a benefit/cost ratio equal to or greater than 1, or a rate of return equal to or greater than the 3% discount rate used in the taxpayer investment analysis) would be a favorable outcome.

For GRCC, the results indicate positive returns: a rate of return of 8.7% and a benefit/cost ratio of 2.7 (every dollar of state or local tax money invested in GRCC today returns $2.70).
Economic Growth Analysis
GRCC affects the local economy in three ways: (1) through its local purchases, including wages paid to faculty and staff; (2) through the spending of students who come from outside the region; and (3) through the increase in the skill base of the local workforce. These effects break down as follows:

College Operations Effect
GRCC creates income through the earnings of its faculty and staff, as well as through its own operating and capital expenditures. Adjusting for taxes and other monies withdrawn from the local economy in support of GRCC, it is estimated that the Kent County economy receives a net of $82.9 million in added labor and non-labor income due to GRCC operations each year.

Student Spending Effect
Students from outside the region spend money for room and board, transportation, entertainment, and other miscellaneous personal expenses. These expenditures create jobs and incomes for local businesses. The spending of GRCC’s non-local students generates approximately $10.6 million in added income in the Kent County economy each year.

Student Productivity Effect
Every year students leave GRCC and join or rejoin the regional workforce. Their added skills translate to higher income and a more robust Kent County economy. Based on GRCC’s historical enrollment and credit production over the past 30-year period, it is estimated that the accumulated contribution of GRCC instruction received by former students (both completers and non-completers) annually adds some $336.2 million in income to Kent County.

Total Effect
Altogether, the average annual added income due to the activities of GRCC and its former students equals $429.7 million. This is approximately equal to 1.5% of the total Kent County economy.

GRCC ECONOMIC IMPACT ANALYSIS AT A GLANCE

<table>
<thead>
<tr>
<th>Added Income</th>
<th>Total Added Income in Kent County Due to GRCC ($ Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College operations effect</strong></td>
<td>$82,886,000</td>
</tr>
<tr>
<td><strong>Student spending effect</strong></td>
<td>$10,641,000</td>
</tr>
<tr>
<td><strong>Total spending effect</strong></td>
<td>$93,527,000</td>
</tr>
<tr>
<td><strong>Student productivity effect</strong></td>
<td>$336,215,000</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>$429,742,000</strong></td>
</tr>
</tbody>
</table>

CONCLUSION
The results of this study demonstrate that GRCC is a sound investment from multiple perspectives. The college enriches the lives of students and increases their lifetime incomes. It benefits taxpayers by generating increased tax revenues from an enlarged economy and reducing the demand for taxpayer-supported social services. Finally, it contributes to the vitality of both the local and state economies.
ABOUT THE STUDY

This report summarizes the results from “The Economic Contributions of Grand Rapids Community College” detailing the role that the college plays in promoting economic development, enhancing students’ careers, and improving quality of life. Data sources include, but are not limited to, 2010-11 academic and financial reports from the college, industry and employment data from the U.S. Bureau of Labor Statistics, earnings and demographic data from the U.S. Census Bureau, and a variety of studies and surveys relating education to social behavior.

Contact Us:
EMSI
1187 Alturas Dr.
Moscow, ID 83843
(866) 999-3674
www.economicmodeling.com
Campus Development

Relocation
With the acquisition of the DeVos Campus along Fulton Street between College and Prospect, the college gained 7 acres, 107,000 square feet, much needed classroom and office space, and parking for up to 575 automobiles. With these added facilities, Academic, Student Services, and Administrative offices will be relocated here from the main campus.

Renovation
In support of the learning environment standards GRCC has set forth in this master plan, major renovations to existing interior spaces will be implemented. Student learning spaces, both formal and informal, will be first, followed by faculty, staff and administrative offices as necessitated by relocation, response to growth, and newly established faculty environment standards.

Response
As Grand Rapids Community College is experiencing record enrollment, capacity is of the utmost importance. In support of projected enrollment, this 5-year plan outlines response to academic and non-academic program growth, and its impact on facilities and the services required to ensure that GRCC is viewed as a college of distinction.
As the College grows, and capacity for learning, service, and research, and communal space is needed, redevelopment of underutilized spaces will densify the campus, create a more defined urban experience, and support the redistribution of parking and transit connections in the central campus area.

GRCC will reassign spaces currently designated for parking and underutilized greenspace for expansion and construction of new learning, social, and cultural spaces. Academic buildings will replace what is now a parking area south of Lyon Street east of Barclay. These buildings will create a central greenspace, forming a new college quad. At the Hilltop Campus, Warren Commons will be a new greenspace, strengthening the collegiate experience.

It is the desire of GRCC to be a catalyst for nurturing the growth of public and alternative transit methods within the city and region. Overall reduction of on-campus parking, added bus stations, and supporting shuttle and park-n-ride lots will lessen vehicular pressures on campus and revitalize the campus as a model center for positive growth.
Grand Rapids Community College  
5 - Year Capital Outlay Plan  
October 2, 2012

<table>
<thead>
<tr>
<th>Building</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration Building</td>
<td>$353,380</td>
<td>$365,748</td>
<td>$378,549</td>
<td>$391,799</td>
<td>$405,511</td>
</tr>
<tr>
<td>Applied Technology Center and Parking Ramp</td>
<td>$3,742,845</td>
<td>$3,873,844</td>
<td>$4,009,429</td>
<td>$4,149,759</td>
<td>$4,295,000</td>
</tr>
<tr>
<td>Bungalow (Carriage House)</td>
<td>$214,337</td>
<td>$221,839</td>
<td>$229,603</td>
<td>$237,640</td>
<td>$245,957</td>
</tr>
<tr>
<td>Calkins Science Center</td>
<td>$201,801</td>
<td>$208,864</td>
<td>$216,175</td>
<td>$223,741</td>
<td>$231,572</td>
</tr>
<tr>
<td>Chiller Plant</td>
<td>$177,307</td>
<td>$183,513</td>
<td>$189,936</td>
<td>$196,584</td>
<td>$203,464</td>
</tr>
<tr>
<td>East Campus Parking Ramp</td>
<td>$229,914</td>
<td>$237,961</td>
<td>$246,289</td>
<td>$254,910</td>
<td>$263,831</td>
</tr>
<tr>
<td>Facilities Offices and Lyon Street Parking Ramp</td>
<td>$1,040,061</td>
<td>$1,076,463</td>
<td>$1,114,139</td>
<td>$1,153,134</td>
<td>$1,193,494</td>
</tr>
<tr>
<td>Ford Field House</td>
<td>$2,807,061</td>
<td>$2,905,308</td>
<td>$3,006,994</td>
<td>$3,112,239</td>
<td>$3,221,167</td>
</tr>
<tr>
<td>Ford Natatorium</td>
<td>$1,497,778</td>
<td>$1,550,200</td>
<td>$1,604,457</td>
<td>$1,660,613</td>
<td>$1,718,735</td>
</tr>
<tr>
<td>Learning Resource Center</td>
<td>$3,573,296</td>
<td>$3,698,361</td>
<td>$3,827,804</td>
<td>$3,961,777</td>
<td>$4,100,439</td>
</tr>
<tr>
<td>Lettinga Center</td>
<td>$324,764</td>
<td>$336,131</td>
<td>$347,896</td>
<td>$360,072</td>
<td>$372,674</td>
</tr>
<tr>
<td>Mable Engle</td>
<td>$544,208</td>
<td>$563,256</td>
<td>$582,970</td>
<td>$603,374</td>
<td>$624,492</td>
</tr>
<tr>
<td>Main Building</td>
<td>$2,517,369</td>
<td>$2,605,476</td>
<td>$2,696,668</td>
<td>$2,791,052</td>
<td>$2,888,738</td>
</tr>
<tr>
<td>McCabe-Marlowe House</td>
<td>$229,951</td>
<td>$237,999</td>
<td>$246,329</td>
<td>$254,950</td>
<td>$263,874</td>
</tr>
<tr>
<td>Music Center</td>
<td>$3,045,536</td>
<td>$3,152,130</td>
<td>$3,262,455</td>
<td>$3,376,640</td>
<td>$3,494,823</td>
</tr>
<tr>
<td>Practice Field Service Building</td>
<td>$86,281</td>
<td>$89,301</td>
<td>$92,426</td>
<td>$95,661</td>
<td>$99,009</td>
</tr>
<tr>
<td>Sneden Academic Building</td>
<td>$4,611,913</td>
<td>$4,773,330</td>
<td>$4,940,396</td>
<td>$5,113,310</td>
<td>$5,292,276</td>
</tr>
<tr>
<td>Spectrum Theater</td>
<td>$163,758</td>
<td>$169,489</td>
<td>$175,422</td>
<td>$181,561</td>
<td>$187,916</td>
</tr>
<tr>
<td>Student Center</td>
<td>$1,320,950</td>
<td>$1,367,183</td>
<td>$1,415,034</td>
<td>$1,464,560</td>
<td>$1,515,820</td>
</tr>
<tr>
<td>Tassell M-TEC</td>
<td>$404,823</td>
<td>$418,991</td>
<td>$433,656</td>
<td>$448,834</td>
<td>$464,543</td>
</tr>
<tr>
<td>Thompson M-TEC</td>
<td>$140,759</td>
<td>$145,686</td>
<td>$150,785</td>
<td>$156,062</td>
<td>$161,524</td>
</tr>
<tr>
<td>White Hall</td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$27,833,082</strong></td>
<td><strong>$28,807,240</strong></td>
<td><strong>$29,815,493</strong></td>
<td><strong>$30,859,036</strong></td>
<td><strong>$31,939,102</strong></td>
</tr>
</tbody>
</table>

Note: The annual total assumes a 3.5% increase in inflation
### Administration Building

**Address:** 415 E. Fulton

**Building Deficiencies Priorities by Category:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Note</th>
<th>Consequences of the Problem</th>
<th>Need</th>
<th>Frequency of Use</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CB-2 Refrigerant line set</td>
<td>Basement electrical room</td>
<td>CB-8</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>System AC refrigerant line set runs over electrical and communication systems panel.</td>
</tr>
<tr>
<td>2</td>
<td>CB-3 Emergency lighting</td>
<td>Throughout building</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>Add emergency battery units.</td>
<td>$380.00</td>
</tr>
<tr>
<td>3</td>
<td>CB-4 Egg spray</td>
<td>Throughout building</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>Add replacement with LED egg light.</td>
<td>$275.00</td>
</tr>
<tr>
<td>4</td>
<td>CB-5 Interior doors</td>
<td>Lower Level</td>
<td>CB-1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>Code required 20 min.</td>
<td>Replace doors.</td>
</tr>
<tr>
<td>5</td>
<td>CB-6 Roof access</td>
<td>From second floor</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>Difficult access unsafe condition.</td>
<td>Add new roof hatch and access at bottom from attic.</td>
</tr>
<tr>
<td>6</td>
<td>CB-7 Fire alarm system</td>
<td>Throughout building</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>2</td>
<td>Too few strobes. Add strobes.</td>
<td>$20,340</td>
</tr>
<tr>
<td>7</td>
<td>CB-8 Signage</td>
<td>Skins and eats</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>2</td>
<td>Tackle 'ball signs' required at exit and eat areas.</td>
<td>Add signs.</td>
</tr>
<tr>
<td>8</td>
<td>CB-9 Area of refuge assembly</td>
<td>Second floor stairwell</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>2</td>
<td>Required by NF code.</td>
<td>Retrofit space for one multi-leaf fixed two-way communication alarm system and assembly in each stairwell.</td>
</tr>
<tr>
<td>9</td>
<td>CB-10 Roof membrane</td>
<td>Flat roof</td>
<td>CB-2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td>Repair roof flashing.</td>
</tr>
<tr>
<td>10</td>
<td>CB-11 ladders/exit sign and vestibule</td>
<td>All elevations</td>
<td>CB-4</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>CB-12 Elevator doors</td>
<td>North elevation</td>
<td>CB-5</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>Render door unable to open and close.</td>
</tr>
<tr>
<td>12</td>
<td>CB-13 Sidelight</td>
<td>Wiper mats</td>
<td>1</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>CB-14 Door</td>
<td>Lower Level</td>
<td>CB-4</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>CB-15 Ceilings</td>
<td>Flat floor, stairwell</td>
<td>CB-3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>Poor condition.</td>
</tr>
<tr>
<td>15</td>
<td>CB-16 Water heater</td>
<td>Basement and flat floor</td>
<td>CB-6</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>CB-17 Lift room finishes</td>
<td>Basement</td>
<td>CB-4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>CB-18 Reduced pressure flow preventer</td>
<td>Basement mechanical room</td>
<td>CB-10</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>CB-19 Air balance</td>
<td>Second floor</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>CB-20 Occupancy sensors</td>
<td>Throughout building</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Lower score equals higher priority.
### Administration Building

**Address:** 415 E. Fulton  
**Building Deficiencies Priorities by Category:**  
1. Hazards  
2. Interruption  
3. Deterioration  
4. Utility  
5. Energy  
6. ADA  
7. Meager  

**Address:** 415 E. Fulton  
**Bldg. Area:** 20,340 SF  
**No. of Floors:** 2 + basement & attic penthouse  
**Year Built:**  
**Evaluation Date:** 12/8/2009  
**Note:** Lower score equals higher priority  
**Note:** Project Cost includes 58.3% mark-ups and fees  
**Note:** Unit cost based on 2010 pricing  

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Cons.</th>
<th>Scale</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-24</td>
<td>Lighting</td>
<td>Throughout building</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>2</td>
<td>20,340 SF</td>
<td>Replace with IEQ approved fluorescent ballasts.</td>
<td></td>
<td></td>
<td>20,340</td>
<td></td>
<td>$89,496</td>
</tr>
<tr>
<td>CB-25</td>
<td>Door hardware</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>45 EA</td>
<td>Change to lever handles and rekey.</td>
<td></td>
<td></td>
<td>45</td>
<td>$36,475</td>
<td>$174,151</td>
<td></td>
</tr>
</tbody>
</table>
## Applied Technology Center and Parking Ramp

**Address:** 154 Fountain NE  
**Building Area:** 1,878,822 SF  
**No. of Floors:** 3  
**Year Built:** 1990  
**Last Inspected:** 1/12/2010

### Building Deficiencies Priorities by Category:

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Description</th>
<th>Location</th>
<th>Priority</th>
<th>Cons. Need Score</th>
<th>Energy Freq.</th>
<th>Priority Qty</th>
<th>Action</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT1</td>
<td>Existing fans are beyond their useful life. Replace with like and kind.</td>
<td>AT 15</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace with like and kind.</td>
<td>1 EA</td>
<td>$2,639</td>
</tr>
<tr>
<td>AT2</td>
<td>Existing exhaust is too far from the objects. Replace with like and kind.</td>
<td>AT 15</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace with like and kind.</td>
<td>1 EA</td>
<td>$3,209</td>
</tr>
<tr>
<td>AT3</td>
<td>Existing exhaust is too far from the objects. Replace with like and kind.</td>
<td>AT 15</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace with like and kind.</td>
<td>1 EA</td>
<td>$3,209</td>
</tr>
</tbody>
</table>

### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>$10,618</td>
</tr>
<tr>
<td>2016</td>
<td>$10,990</td>
</tr>
<tr>
<td>2017</td>
<td>$11,375</td>
</tr>
<tr>
<td>2018</td>
<td>$11,773</td>
</tr>
<tr>
<td>2019</td>
<td>$12,185</td>
</tr>
</tbody>
</table>

---

### Notes:
- **Architectural:**
  - **Mechanical:**
    - **Electrical:**
      - **Project Cost:**
        - **2015:** $10,618
        - **2016:** $10,990
        - **2017:** $11,375
        - **2018:** $11,773
        - **2019:** $12,185
### Applied Technology Center and Parking Ramp

#### Building Deficiencies Plotted by Category:

<table>
<thead>
<tr>
<th>Category</th>
<th>Potential Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Critical</td>
<td>1. Wattage</td>
</tr>
<tr>
<td>2. Important</td>
<td>2. Urgency</td>
</tr>
<tr>
<td>3. Necessary</td>
<td>3. Frequent</td>
</tr>
<tr>
<td>4. Utility</td>
<td>4. Occasional</td>
</tr>
<tr>
<td>5. Energy</td>
<td>5. Insignificant</td>
</tr>
</tbody>
</table>

#### Consequences of the Problem

1. Hazards
2. Interruption
3. Deterioration
4. Variety
5. Energy

#### Evaluation Date:
- October 2, 2012

#### Year Built:
- 1990

#### Note:
- Lower score equals higher priority

#### Deterioration
- Constant 1. Hazard
- Critical 1. Hazard
- Occasional 1. Hazard
- Infrequent 1. Hazard

#### Frequency of Use
- Urgent 1. Hazard
- Frequent 1. Hazard
- Necessary 1. Hazard

#### Address:
- 151 Fountain NE

#### Building Outlay Plan:
- Grand Rapids Community College

#### No. of Floors:
- 5

#### Note:
- Project Cost includes 58.3% mark-ups and fees

---

#### Item/Description | Location | Priority | Notes |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ABB/Westinghouse metering</td>
<td>Basement 4</td>
<td>3</td>
<td>Used for metering in the basement</td>
</tr>
<tr>
<td>ABB 3000/4000 KVA AA/FA</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT-25 Outside Frequency Check on CMU/parking barrier</td>
<td>Mechanical Room P1</td>
<td>3</td>
<td>( \frac{3}{3} )</td>
</tr>
<tr>
<td>AT-26 Base cabinets and countertop</td>
<td>Room 302</td>
<td>3</td>
<td>( \frac{4}{3} )</td>
</tr>
<tr>
<td>AT-27 Concrete pavement</td>
<td>Parking ramp</td>
<td>( \frac{3}{3} )</td>
<td>Includes concrete and apply anti-slip topping layer.</td>
</tr>
<tr>
<td>AT-28 Plaza waterproofing</td>
<td>Above loading dock northwest corner of building</td>
<td>3</td>
<td>( \frac{3}{3} )</td>
</tr>
<tr>
<td>AT-29 Storm drainline</td>
<td>Underside sidewalk</td>
<td>( \frac{3}{3} )</td>
<td>Replace with like and kind.</td>
</tr>
<tr>
<td>AT-30 Maintenance on emergency switches</td>
<td>Elevator main electrical room</td>
<td>3</td>
<td>( \frac{4}{3} )</td>
</tr>
<tr>
<td>AT-31 Maintenance on emergency switches</td>
<td>Electrical闪光室</td>
<td>3</td>
<td>( \frac{4}{3} )</td>
</tr>
<tr>
<td>AT-32 Exterior metal doors and frame</td>
<td>Room 236</td>
<td>3</td>
<td>( \frac{4}{3} )</td>
</tr>
<tr>
<td>AT-33 Hollow metal door frame</td>
<td>Electrical闪光室</td>
<td>( \frac{3}{3} )</td>
<td></td>
</tr>
<tr>
<td>AT-34 Splatter</td>
<td>Parking level</td>
<td>( \frac{3}{3} )</td>
<td></td>
</tr>
<tr>
<td>AT-35 Brush type/brushing</td>
<td>Approach</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-36 TVS panelboards</td>
<td>Hot and cold water distribution</td>
<td>( \frac{4}{4} )</td>
<td>Replace with new VS panel</td>
</tr>
<tr>
<td>AT-37 TVS return line</td>
<td>Elevator main electrical room</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-38 Install main Hot/Cold water line</td>
<td>Parking level</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-39 Carpeting</td>
<td>Basement 1, 102, 103, 104, 115 and 152, corridor, stair, and south of elevator</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-40 Carpeting</td>
<td>Second floor east and west corridors</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-41 Carpeting</td>
<td>Rooms 308 and 314</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
<tr>
<td>AT-42 Painted concrete floor</td>
<td>Room 137, 138, 139, 140, 142, 146, 148A and 148</td>
<td>( \frac{4}{4} )</td>
<td></td>
</tr>
</tbody>
</table>

---

#### Notes:
- Project Cost includes 58.3% mark-ups and fees

#### Project Cost:
- **2014 Project Cost:** $1,248,427
- **2015 Project Cost:** $1,284,462
- **2016 Project Cost:** $1,324,493
- **2017 Project Cost:** $1,364,522
- **2018 Project Cost:** $1,404,553

#### Building Protection
- Add TVSS to incoming service. 1 EA  $3,300
- Replace motors in poor condition. 8,250 SF 3.75$  $30,938
- Replace three (3) 15 HP pump motors with new ABB. 3 EA  $9,350
- Replace all motors to ensure proper condition. 3 EA  $10,200
- Replace all motors to ensure proper condition. 3 EA  $16,000
### Grand Rapids Community College
5-Year Capital Outlay Plan

#### Applied Technology Center and Parking Ramp

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Core</th>
<th>Non-core</th>
<th>Score</th>
<th>Energy</th>
<th>Function</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT-43</td>
<td>Folding partitions</td>
<td>Rooms 118, 120, 122</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1,200 SF</td>
<td>$47.30</td>
<td>$56,760</td>
</tr>
<tr>
<td>AT-44</td>
<td>Wood closet doors</td>
<td>Rooms 120, 122, 124</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>18 EA</td>
<td>$1,045.00</td>
<td>$18,810</td>
</tr>
<tr>
<td>AT-45</td>
<td>Acoustical wall panels</td>
<td>Auditorium</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>130 SF</td>
<td>$15.00</td>
<td>$1,950</td>
</tr>
<tr>
<td>AT-46</td>
<td>Flush valves</td>
<td>Toilet rooms</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>20 EA</td>
<td>$500.00</td>
<td>$10,000</td>
</tr>
<tr>
<td>AT-47</td>
<td>Inlet guide vanes</td>
<td>Miscellaneous fan rooms</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1 LS</td>
<td>$141,900.00</td>
<td>$141,900</td>
</tr>
<tr>
<td>AT-48</td>
<td>Chiller capacity</td>
<td>Mechanical Room P11</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT-49</td>
<td>Chilled water line</td>
<td>Mechanical Room P16</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1 EA</td>
<td>$858.00</td>
<td>$858</td>
</tr>
<tr>
<td>AT-50</td>
<td>Acoustical wall panels</td>
<td>Auditorium</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1,300 SF</td>
<td>$15.00</td>
<td>$19,500</td>
</tr>
<tr>
<td>AT-51</td>
<td>Revolving door</td>
<td>Second floor northwest entrance</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1 EA</td>
<td>$25,000.00</td>
<td>$25,000</td>
</tr>
<tr>
<td>AT-52</td>
<td>Loading dock</td>
<td>First floor Receiving 118</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1 LS</td>
<td>$1,150.00</td>
<td>$1,150</td>
</tr>
<tr>
<td>AT-53</td>
<td>Exhaust fans</td>
<td>Rooftop</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0 EA</td>
<td>$3,000.00</td>
<td>$24,000</td>
</tr>
</tbody>
</table>

**Total Project Cost:** $3,742,845

---

**Note:** Lower score equals higher priority.

**Unit cost based on 2010 pricing.

---

**Note:** Project Cost includes 58.3% mark-ups and fees.

---

**Address:**

151 Fountain NE

888 Grand River Avenue SW

Grand Rapids, MI 49504

---

**Building Deficiencies:**

- No. of Floors: 3 (plus 1 parking ramp)
- Year Built: 1990
- Building Deficiencies:
  - 1. Hazards
  - 2. Interruptions
  - 3. Deterioration
  - 4. Utility
  - 5. Energy

---

**Building Deficiencies Priorities by Category:****

- Consequences of the Problem
- Need
- Frequency of Use

---

**Architectural:**

- Critical
  - Constant
- Urgent
  - Frequent
- Necessary
  - Occasional
- Desirable
  - Meager
- ADA

---

**Architectural:**

- Critical
  - Constant
- Urgent
  - Frequent
- Necessary
  - Occasional
- Desirable
  - Meager
- ADA

---

**Architectural:**

- Critical
  - Constant
- Urgent
  - Frequent
- Necessary
  - Occasional
- Desirable
  - Meager
- ADA
### Evaluation Summary

- **Address:** 455 E. Fulton
- **Bldg. Area:** 3,770 SF
- **No. of Floors:** 2
- **Year Built:** 3
- **Deterioration:** 3
- **Necessary:** 3
- **Occasional:** 3

#### Building Deficiencies

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Description</th>
<th>Location</th>
<th>Notes</th>
<th>Energy</th>
<th>Freq.</th>
<th>Priority</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Unit Cost Subtotal</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU-1</td>
<td>Emergency lighting</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 385.00</td>
<td>$ 385.00</td>
<td>Add emergency battery units</td>
</tr>
<tr>
<td>BU-2</td>
<td>Exit signage</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 275.00</td>
<td>$ 2,200</td>
<td>Add replace with lzd Exit sign</td>
</tr>
<tr>
<td>BU-3</td>
<td>Fire alarm system - pull stations</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 9,500</td>
<td>$ 9,500</td>
<td>Complete new system</td>
</tr>
<tr>
<td>BU-4</td>
<td>Door closer</td>
<td>Basement door to garage</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 4</td>
<td></td>
<td>$ 600.00</td>
<td>$ 600.00</td>
<td>Add door closer</td>
</tr>
<tr>
<td>BU-5</td>
<td>Concrete floor</td>
<td>Slot floor gauge</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 4</td>
<td></td>
<td>$ 4,000</td>
<td>$ 4,000</td>
<td>Replace concrete slab and floor.</td>
</tr>
<tr>
<td>BU-6</td>
<td>Stair rail</td>
<td>Basement</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>Yes 1</td>
<td></td>
<td>$ 3,750</td>
<td>$ 3,750</td>
<td>Replace stair rail</td>
</tr>
<tr>
<td>BU-7</td>
<td>Toilet room fixtures</td>
<td>First and second floors</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>Yes 2</td>
<td></td>
<td>$ 4,500</td>
<td>$ 4,500</td>
<td>Replace (2 @ 250 MBH each).</td>
</tr>
<tr>
<td>BU-8</td>
<td>Sump pump</td>
<td>Basement</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Update to meet code requirements.</td>
</tr>
<tr>
<td>BU-9</td>
<td>Carpet</td>
<td>Slot floor and seat</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>Yes 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace carpet.</td>
</tr>
<tr>
<td>BU-10</td>
<td>Resident flooring</td>
<td>Slot floor kitchen</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 5,000</td>
<td>$ 5,000</td>
<td>Replace with resilient sheet flooring.</td>
</tr>
<tr>
<td>BU-11</td>
<td>Wood Flooring</td>
<td>slot floor</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace floor covering.</td>
</tr>
<tr>
<td>BU-12</td>
<td>Kitchen cabinets and counter</td>
<td>Slot floor and seat</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace and add new counter and cabinets.</td>
</tr>
<tr>
<td>BU-13</td>
<td>Heating, cooling, ventilation</td>
<td>Slot floor and seat</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace and add new heating, cooling, and ventilation.</td>
</tr>
<tr>
<td>BU-14</td>
<td>Exterior doors</td>
<td>Slot floor and seat</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>Yes 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace exterior doors.</td>
</tr>
<tr>
<td>BU-15</td>
<td>Exterior windows</td>
<td>Slot floor and seat</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>Yes 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Add/replace with LED exit signs.</td>
</tr>
<tr>
<td>BU-16</td>
<td>Sanitary pipe</td>
<td>Slot floor</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No 2</td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td>Replace existing sanitary pipe.</td>
</tr>
<tr>
<td>BU-17</td>
<td>Lighting control system</td>
<td>Throughout building</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>Yes 2</td>
<td></td>
<td>$ 6,000</td>
<td>$ 6,000</td>
<td>Add lighting control system.</td>
</tr>
<tr>
<td>BU-18</td>
<td>Three BAS</td>
<td>Slot floor and seat</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes 1</td>
<td></td>
<td>$ 7,500</td>
<td>$ 7,500</td>
<td>Add new BAS equipment.</td>
</tr>
<tr>
<td>BU-19</td>
<td>Pipe insulation</td>
<td>Slot floor and seat</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes 1</td>
<td></td>
<td>$ 3,750</td>
<td>$ 3,750</td>
<td>No copper pipe in raceway.</td>
</tr>
<tr>
<td>BU-20</td>
<td>Combustion air damper</td>
<td>Slot floor and seat</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes 1</td>
<td></td>
<td>$ 1,200</td>
<td>$ 1,200</td>
<td>Replace combustion air damper.</td>
</tr>
</tbody>
</table>

#### Project Cost

- **Grand Total:** $214,337
- **Grand Rapids Community College:** $221,839
- **5-Year Capital Outlay Plan:** $229,603
- **5-Year Capital Outlay Plan:** $237,640
- **2018 Project Cost:** $245,957

Note: Unit cost based on 2010 pricing. Project cost includes 58.7% mark-ups and fees.
### Calkins Science Center

**Address:** 226 Bostwick NE  
**Building Deficiencies:** Listed by Category:
- **Consequences of the Problem:**
  - 1. Hazards
  - 2. Interruption
  - 3. Determination
  - 4. Utility
  - 5. Energy
  - 6. ADA
- **Need:**
  - 1. Critical
  - 2. Urgent
  - 3. Necessary
  - 4. Desirable
  - 5. Infringent
- **Frequency of Use:**
  - 1. Constant
  - 2. Frequent
  - 3. Occasional
  - 4. Infrequent

#### Bldg. Area:
- **Bldg. Area:** 135,500 SF

#### Year Built:
- **Year Built:** 1999

#### Date:
- **Date:** 1/5/2010

#### Notes:
- Lower score equals higher priority
- Note: Unit cost based on 2010 pricing
- Note: Project Cost includes 58.3% mark-ups and fees

---

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Priority</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS1</td>
<td>Radiant ceiling panel</td>
<td>CS-6</td>
<td>No</td>
<td>3</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>1</td>
<td>Replace radiant ceiling panel; is not working properly.</td>
<td>1 LS</td>
<td>$1,500.00</td>
<td>$1,500.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS3</td>
<td>Roof water leak</td>
<td>CS-11</td>
<td>No</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Assumed water leak. Not confirmed.</td>
<td>1 LS</td>
<td>$500.00</td>
<td>$500.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS10</td>
<td>RO system piping</td>
<td>CS-11</td>
<td>Yes</td>
<td>2</td>
<td>6</td>
<td>Yes</td>
<td>2</td>
<td>Aging multistage water system never shut off.</td>
<td>1 LS</td>
<td>$7,000.00</td>
<td>$7,000.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS11</td>
<td>Exterior door frame</td>
<td>CS-10</td>
<td>No</td>
<td>4</td>
<td>3</td>
<td>No</td>
<td>4</td>
<td>Exterior metal door frame is rusted.</td>
<td>1 EA</td>
<td>$50.00</td>
<td>$50.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS12</td>
<td>Electrical code violation</td>
<td>CS-10</td>
<td>No</td>
<td>4</td>
<td>3</td>
<td>Yes</td>
<td>4</td>
<td>The National Electric Code does not allow occupancy sensors in rooms with electrical panel.</td>
<td>10 EA</td>
<td>$50.00</td>
<td>$50.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS13</td>
<td>Automatic lighting control</td>
<td>CS-10</td>
<td>Yes</td>
<td>2</td>
<td>5</td>
<td>Yes</td>
<td>2</td>
<td>Replace to meet code; dual off-lights and occupied rooms.</td>
<td>1 LS</td>
<td>$82,054.00</td>
<td>$82,054.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS14</td>
<td>Door weather seals</td>
<td>CS-11</td>
<td>Yes</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>4</td>
<td>Air leaks at door thresholds.</td>
<td>4 EA</td>
<td>$50.00</td>
<td>$200.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS16</td>
<td>Faucets</td>
<td>CS-11</td>
<td>No</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>No hot water.</td>
<td>20 EA</td>
<td>$500.00</td>
<td>$500.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS17</td>
<td>Paint trim</td>
<td>CS-10</td>
<td>Yes</td>
<td>2</td>
<td>4</td>
<td>Yes</td>
<td>3</td>
<td>Paint and repainting trim.</td>
<td>1 LS</td>
<td>$1,500.00</td>
<td>$1,500.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS18</td>
<td>Toilet room accessories</td>
<td>CS-10</td>
<td>No</td>
<td>1</td>
<td>4</td>
<td>No</td>
<td>1</td>
<td>Paper towel dispenser not mounted at 48&quot; height.</td>
<td>10 EA</td>
<td>$30.00</td>
<td>$300.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Project Cost:
- **Total:** $200,000
- **2018:** $200,000
- **2019:** $216,175
- **2020:** $223,741
- **2021:** $231,972

---

October 2, 2012
### Chiller Plant

**Address:** 226 Boston NE  
**Building Area:** 3,840 SF  
**Year Built:** 1980 (major remodel 1999)  
**Building Deficiencies:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Cons.</th>
<th>Score</th>
<th>System</th>
<th>Need</th>
<th>Frequency of Use</th>
<th>Condition of the Problem</th>
<th>Notes</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH2</td>
<td>Emergency Lighting</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>a</td>
<td>2</td>
<td>No</td>
<td>2</td>
<td>Sealed to meet code requirements.</td>
<td>Add emergency battery units.</td>
</tr>
<tr>
<td>CH3</td>
<td>Trane Building Automation System</td>
<td>Entire campus</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>a</td>
<td>Yes</td>
<td>1</td>
<td>Existing BAS is not accessible from remote locations. New industry standard.</td>
<td>Upgrade Trane BAS to a web-based system.</td>
<td>1</td>
</tr>
<tr>
<td>CH5</td>
<td>Exterior wall sheathing</td>
<td>North elevation CH2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>No</td>
<td>1</td>
<td>EIFS wall sheeting damaged.</td>
<td>Repair holes and provide corner guards at door jambs to provide protection in the future.</td>
<td>1</td>
</tr>
<tr>
<td>CH6</td>
<td>Automatic (soft) lighting control</td>
<td>Throughout building</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>a</td>
<td>Yes</td>
<td>2</td>
<td>Sealed to meet code, plus of lights in occupied rooms.</td>
<td>Add occupancy sensors.</td>
<td>1</td>
</tr>
<tr>
<td>CH7</td>
<td>Electrical substation ventilation</td>
<td>4th floor entrance</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>a</td>
<td>No</td>
<td>1</td>
<td>Heating space does not have mechanical ventilation.</td>
<td>Add inline exhaust fan and louvers above door.</td>
<td>1</td>
</tr>
<tr>
<td>CH8</td>
<td>Heating</td>
<td>4th floor chiller room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>a</td>
<td>No</td>
<td>1</td>
<td>Overflow launched through overhead door.</td>
<td>Add 50 HMB and hangers.</td>
<td>1</td>
</tr>
</tbody>
</table>

**Architectural:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$ 177,307</td>
<td>$ 183,312</td>
<td>$ 189,510</td>
<td>$ 196,584</td>
<td>$ 203,694</td>
</tr>
</tbody>
</table>

**Notes:**
- Lower score equals higher priority
- Project Cost includes 58.3% mark-ups and fees
- Unit cost based on 2010 pricing
- No. Item/Description Photo Location No. Priority Cons. Need Score Energy Freq. Notes Action Qty. Unit
- General:
  - 1. Hazards
  - 2. Interruption
  - 3. Deterioration
  - 4. Utility
  - 5. Energy
  - 6. ADA
- Frequency of Use:
  - 1. Critical
  - 2. Urgent
  - 3. Frequent
  - 4. Occasional
  - 5. Meager
- Consequences of the Problem:
  - 1. Constant
  - 2. Infrequent
- October 2, 2012
- Note: Project Cost includes 58.3% mark-ups and fees
- Unit cost based on 2010 pricing
- Note: Lower score equals higher priority.
## No. Item/Description
| Location | Priority | Cons. Need | Score | Energy | Freq. | Notes | Action | Qty. | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal |
|----------|----------|-----------|-------|--------|-------|-------|--------|------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| 1.  Hazards | | | | | | | | | | | | | | | | | | | |
| CP-5 | Exterior edge of deck | | C-F-1 | 1 | 1 | 3 | 5 | 6 | 3 | No | 2 | 0 | | | | | | | |
| CP-10 | Exterior edge of deck | | C-P-1 | 1 | 1 | 4 | 6 | 3 | 6 | No | 2 | 0 | 25 LF | | | $ 1,097 | $ 1,191 | $ 1,176 | $ 1,216 | $ 1,213 |
| CP-20 | Exterior doors | | C-P-1 | 1 | 1 | 4 | 6 | 3 | 6 | No | 2 | 0 | 2 | 6 | 3 | $ 4,950 | $ 5,214 | $ 5,240 |
| CP-45 | Exhaust fan 7th floor | | C-P-1 | 1 | 1 | 4 | 6 | 3 | 6 | No | 2 | 0 | 2 | 6 | 3 | $ 11,584 | $ 11,989 | $ 12,409 | $ 12,843 | $ 13,293 |
| CP-50 | Exterior wall | | C-P-1 | 1 | 1 | 4 | 6 | 3 | 6 | No | 2 | 0 | 2 | 6 | 3 | $ 229,914 | $ 237,961 | $ 246,289 | $ 254,910 | $ 263,831 |
| CP-52 | Exterior doors | | C-P-1 | 1 | 1 | 4 | 6 | 3 | 6 | No | 2 | 0 | 2 | 6 | 3 | $ 102,042 | $ 105,613 | $ 109,309 | $ 113,135 | $ 117,095 |
### Address
Grand Rapids Community College

### 5-Year Capital Outlay Plan

#### Bldg. Area: 133,225 SF

#### No. of Floors: 5 (building) 2 levels (parking ramp)

#### Year Built: 1970

#### Darkest Date: 12/23/2009

#### Note: Lower score equals higher priority

#### Note: Project Cost includes 58.3% mark-ups and fees

#### Note: Unit cost based on 2010 pricing

#### Priority October 2, 2012

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CA-7</td>
<td>Door to roof</td>
<td>Southwest stair</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>B</td>
<td>No</td>
<td>5</td>
<td>Damage to roof leaks.</td>
<td>Replace</td>
<td>1</td>
<td>EA</td>
<td>1,265.00</td>
<td>$</td>
<td>2,298</td>
<td>2,378</td>
<td>2,462</td>
</tr>
<tr>
<td>CA-11</td>
<td>Overhead ceiling grille</td>
<td>Parking ramp, G1 level</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>B</td>
<td>No</td>
<td>2</td>
<td>Grills are rusted at bottom</td>
<td>Replace</td>
<td>2</td>
<td>EA</td>
<td>580.00</td>
<td>$</td>
<td>340</td>
<td>569</td>
<td>585</td>
</tr>
<tr>
<td>CA-13</td>
<td>Exhaust fans</td>
<td>Parking ramp</td>
<td>CA-7</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>B</td>
<td>No</td>
<td>1</td>
<td>Existing fans are in poor condition</td>
<td>Replace</td>
<td>2</td>
<td>EA</td>
<td>2,750.00</td>
<td>$</td>
<td>9,023</td>
<td>9,991</td>
</tr>
<tr>
<td>CA-15</td>
<td>Exterior concrete</td>
<td>NE corner, 1st floor</td>
<td>CA-6</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>B</td>
<td>No</td>
<td>4</td>
<td>Existing concrete is in poor condition</td>
<td>Replace</td>
<td>1</td>
<td>LS</td>
<td>250.00</td>
<td>$</td>
<td>439</td>
<td>454</td>
</tr>
<tr>
<td>CA-17</td>
<td>HVAC control valve</td>
<td>Roof floor</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>B</td>
<td>Yes</td>
<td>1</td>
<td>Existing control valve is in poor condition</td>
<td>Replace</td>
<td>1</td>
<td>LS</td>
<td>1,200.00</td>
<td>$</td>
<td>2,190</td>
<td>2,180</td>
<td>2,156</td>
</tr>
<tr>
<td>CA-26</td>
<td>Bollards</td>
<td>In front of Door C-3 electrical room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>No</td>
<td>2</td>
<td>Prevent vehicles from parking too close to door</td>
<td>Add</td>
<td>2</td>
<td>EA</td>
<td>500.00</td>
<td>$</td>
<td>825.00</td>
<td>894.00</td>
<td>955.00</td>
</tr>
<tr>
<td>CA-36</td>
<td>Steam and condensate pipe traps and drain</td>
<td>Mechanical Room 2</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>Yes</td>
<td>1</td>
<td>Missing pipe insulation</td>
<td>Replace</td>
<td>1</td>
<td>LS</td>
<td>200.00</td>
<td>$</td>
<td>1,200</td>
<td>1,199</td>
<td>1,200</td>
</tr>
<tr>
<td>CA-38</td>
<td>Pipe identification</td>
<td>All mechanical rooms</td>
<td>CA-10</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>No</td>
<td>3</td>
<td>Existing pipe is in poor condition</td>
<td>Clearly label all HVAC piping</td>
<td>1</td>
<td>LS</td>
<td>1,200.00</td>
<td>$</td>
<td>2,100</td>
<td>2,190</td>
</tr>
<tr>
<td>CA-40</td>
<td>Cabinet unit heater</td>
<td>Stairwells 1, 3 and 5</td>
<td>CA-11</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>Yes</td>
<td>1</td>
<td>Existing cabinets are in poor condition</td>
<td>Replace</td>
<td>1</td>
<td>LS</td>
<td>15,000.00</td>
<td>$</td>
<td>26,327</td>
<td>27,248</td>
</tr>
<tr>
<td>CA-41</td>
<td>Roof drains</td>
<td>Roof</td>
<td>CA-12</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>No</td>
<td>1</td>
<td>Existing roof drains are damaged</td>
<td>Replace</td>
<td>4</td>
<td>EA</td>
<td>250.00</td>
<td>$</td>
<td>2,100</td>
<td>2,190</td>
</tr>
<tr>
<td>CA-42</td>
<td>HVAC pumps</td>
<td>Mechanical Room 11</td>
<td>CA-13</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>B</td>
<td>No</td>
<td>1</td>
<td>Existing pumps are in poor condition</td>
<td>Replace</td>
<td>2</td>
<td>EA</td>
<td>7,500.00</td>
<td>$</td>
<td>26,327</td>
<td>27,248</td>
</tr>
</tbody>
</table>

#### Total Project Cost: $ 103,499
### Data Center and Bostwick Parking Ramp

#### Consequences of the Problem

1. Hazards
   - Critical
   - Constant
   - Frequent
   - Occasional

2. Interruption
   - Urgent
   - Frequent
   - Necessary

3. Energy
   - Utility
   - Deliberate
   - Infringing

4. Technology
   - ADE

5. Security
   - ADE

6. ADA

#### Address
- 140 Bostwick NE
- Building Deficiency Planters by Category:

#### Table: Building Deficiencies Priorities by Category

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Cond.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Emergency lighting</td>
<td>Throughout Data Center</td>
<td>1 1 3 4</td>
<td>No 4</td>
<td>Condition have been updated but other areas may not meet the current emergency lighting code.</td>
<td>Document Emergency lighting levels and add additional emergency lighting to meet code.</td>
<td>1 LS</td>
<td>$3,000.00</td>
<td>$3,000</td>
<td>$5,200</td>
</tr>
<tr>
<td>2</td>
<td>Star handrails</td>
<td>Parking ramp stair</td>
<td>DC-11</td>
<td>1 1 4 5</td>
<td>No 2</td>
<td>Handrail ends do not return to wall - handrail condition.</td>
<td>Provide new fittings at ends of rails that return to wall.</td>
<td>48 GA</td>
<td>$29.00</td>
<td>$1,200</td>
</tr>
<tr>
<td>3</td>
<td>Elevator machine room</td>
<td>Parking ramp</td>
<td>DC-10</td>
<td>1 1 4 5</td>
<td>No 2</td>
<td>Lift spot in floor panels.</td>
<td>Level concrete floor.</td>
<td>1 LS</td>
<td>$150.00</td>
<td>$150</td>
</tr>
<tr>
<td>4</td>
<td>Exit lighting</td>
<td>Parking ramp</td>
<td>2 2 3 3</td>
<td>No 1</td>
<td>Inside to meet code requirements.</td>
<td>Add exit lighting to meet code.</td>
<td>10 GA</td>
<td>$400.00</td>
<td>$12,000</td>
<td>$21,005</td>
</tr>
<tr>
<td>5</td>
<td>Anti-slip and HIMM piping</td>
<td>North mechanical room, Data Center</td>
<td>2 2 2 4</td>
<td>No 1</td>
<td>Weld, HIMM and HIMM pipes are located above electrical equipment - code violation.</td>
<td>Relocate Piping to allow for 90° clearance from electrical equipment.</td>
<td>1 LS</td>
<td>$4,070.00</td>
<td>$4,070</td>
<td>$7,143</td>
</tr>
<tr>
<td>6</td>
<td>Wall deck</td>
<td>Parking ramp, exterior</td>
<td>2 2 2 4</td>
<td>No 1</td>
<td>Salvage height issue code violation.</td>
<td>Install exit lighting above roof deck.</td>
<td>1 LS</td>
<td>$5,570.00</td>
<td>$5,570</td>
<td>$9,079</td>
</tr>
<tr>
<td>7</td>
<td>Fire alarm</td>
<td>Data Center</td>
<td>2 2 3 5</td>
<td>No 4</td>
<td>Fire alarm units with low sensitivity.</td>
<td>And visual/audible devices.</td>
<td>5 GA</td>
<td>$275.00</td>
<td>$1,375</td>
<td>$2,413</td>
</tr>
<tr>
<td>8</td>
<td>Emergency lighting</td>
<td>West parking ramp, stair tower and west parking lot stair tower</td>
<td>2 2 3 5</td>
<td>No 4</td>
<td>Stairwell may not meet the current emergency lighting code.</td>
<td>Document Emergency lighting levels and add additional emergency lighting to meet code.</td>
<td>1 LS</td>
<td>$5,000.00</td>
<td>$5,000</td>
<td>$8,776</td>
</tr>
<tr>
<td>9</td>
<td>Water leak control panel</td>
<td>Data Center electrical room</td>
<td>2 2 4 4</td>
<td>No 4</td>
<td>Code violation.</td>
<td>Provide deflector collector.</td>
<td>1 LS</td>
<td>$825.00</td>
<td>$825</td>
<td>$1,488</td>
</tr>
<tr>
<td>10</td>
<td>Concrete floor slab</td>
<td>Data Center and west parking lot</td>
<td>DC-1</td>
<td>3 3 3 4</td>
<td>No 4</td>
<td>Crack and spalled from ground water leaks.</td>
<td>Repair and waterproof slab from interior/interior.</td>
<td>500 GA</td>
<td>$10.00</td>
<td>$5,000</td>
</tr>
<tr>
<td>11</td>
<td>Overhead rolling garage door</td>
<td>DC-5</td>
<td>3 3 3 6</td>
<td>No 2</td>
<td>Roller rail.</td>
<td>Clean and paint garage tracks.</td>
<td>14 GA</td>
<td>$154.00</td>
<td>$2,784</td>
<td>$4,055</td>
</tr>
<tr>
<td>12</td>
<td>Ballast lighting</td>
<td>Parking ramp</td>
<td>3 3 3 6</td>
<td>Yes 2</td>
<td>Outdated T-12 lamps and ballasts.</td>
<td>Replace with T-8 lamps and ballast / rapid start.</td>
<td>30 GA</td>
<td>$395.00</td>
<td>$9,750</td>
<td>$17,112</td>
</tr>
<tr>
<td>13</td>
<td>Building lighting</td>
<td>DC-22</td>
<td>3 3 3 6</td>
<td>Yes 2</td>
<td>Outdated T-12 lamps and ballasts.</td>
<td>Replace with T-8 lamps and ballast / rapid start.</td>
<td>1000 W</td>
<td>$2,000</td>
<td>$39,900</td>
<td>$52,603</td>
</tr>
<tr>
<td>14</td>
<td>Copper sweat fittings</td>
<td>Throughout Data Center</td>
<td>3 3 3 8</td>
<td>No 1</td>
<td>Roof area fitting is leaking.</td>
<td>Replace all sweat fittings.</td>
<td>45 GA</td>
<td>$20.00</td>
<td>$952</td>
<td>$22,154</td>
</tr>
<tr>
<td>15</td>
<td>Tall booth PFC's</td>
<td>Parking ramp booths</td>
<td>3 3 3 4</td>
<td>No 2</td>
<td>Panels are approaching the end of their useful life.</td>
<td>Replace with 10,000 BTU with electric heat.</td>
<td>5 GA</td>
<td>$960.00</td>
<td>$9,600</td>
<td>$34,751</td>
</tr>
<tr>
<td>16</td>
<td>Elevator doors and elevator hoistway</td>
<td>Parking ramp, east floor</td>
<td>DC-12</td>
<td>3 3 3 4</td>
<td>No 2</td>
<td>Doors are rusted at bottom edge.</td>
<td>Replace elevator doors.</td>
<td>3 GA</td>
<td>$3,750.00</td>
<td>$11,250</td>
</tr>
<tr>
<td>17</td>
<td>Concrete all wall</td>
<td>Parking ramp, access walkway, stair tower</td>
<td>DC-4</td>
<td>3 3 3 5</td>
<td>No 2</td>
<td>Concrete all wall above elevator cabs.</td>
<td>Repair concrete.</td>
<td>1 LS</td>
<td>$500.00</td>
<td>$500</td>
</tr>
<tr>
<td>18</td>
<td>Lighting pendant luminaries</td>
<td>Parking ramp 4th level</td>
<td>DC-1</td>
<td>3 3 4 7</td>
<td>No 4</td>
<td>Incense pendent lighting on parking deck.</td>
<td>Add pendant luminaries at parking positions 10 sq ft. side of deck.</td>
<td>12 GA</td>
<td>$5,500.00</td>
<td>$66,000</td>
</tr>
<tr>
<td>19</td>
<td>Lighting</td>
<td>Parking ramp</td>
<td>3 3 4 7</td>
<td>No 2</td>
<td>Lighting fixtures are out of code.</td>
<td>Replace existing fixtures with new that have LED lamps in Title II illumination and low barriers.</td>
<td>1 LS</td>
<td>$180,000.00</td>
<td>$180,000</td>
<td>$315,318</td>
</tr>
<tr>
<td>20</td>
<td>Exterior concrete panel</td>
<td>Parking ramp, south roof</td>
<td>DC-7</td>
<td>3 3 4 7</td>
<td>No 2</td>
<td>Concrete panel damaged.</td>
<td>Replace damaged panel.</td>
<td>1 LS</td>
<td>$500.00</td>
<td>$500</td>
</tr>
</tbody>
</table>
### Grand Rapids Community College

#### 5-Year Capital Outlay Plan

**Location:** Data Center and Bostwick Parking Ramp

**Address:** 140 Bostwick NE Building

**Year Built:** 1970

**Bldg. Area:** 38,000 SF (Data Center) 26,000 SF (Parking Ramp)

**Bldg. Area:** 16,056 SF (Data Center)

**No. of Floors:** 1 (Data Center) 6 (Parking Ramp)

**Location:** 12/15/2009

**Note:** Lower score equals higher priority

**Priority:** No. Item/Description Location Photo

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-24</td>
<td>Interior partitions</td>
<td>Data Center</td>
<td>DC-2</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Gypsum board partitions damaged at corners</td>
<td>Install corner guards</td>
<td>10</td>
<td>GA</td>
<td>100.00</td>
<td>1,000</td>
<td>$\text{1,755}$</td>
<td>$\text{1,817}$</td>
<td>$\text{1,880}$</td>
</tr>
<tr>
<td>DC-25</td>
<td>Carpet</td>
<td>Data Center</td>
<td>DC-3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Carpet in poor condition</td>
<td>Replace carpet and resurface floor</td>
<td>4,700</td>
<td>SF</td>
<td>3.75</td>
<td>17,625</td>
<td>$\text{30,934}$</td>
<td>$\text{32,016}$</td>
<td>$\text{33,137}$</td>
</tr>
<tr>
<td>DC-26</td>
<td>Egress stair and landing</td>
<td>Parking ramp, deck at Student Center</td>
<td>DC-9</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Steel stair and landing rusted</td>
<td>Remove rust and paint</td>
<td>1</td>
<td>LS</td>
<td>750.00</td>
<td>750</td>
<td>$\text{1,316}$</td>
<td>$\text{1,362}$</td>
<td>$\text{1,410}$</td>
</tr>
<tr>
<td>DC-27</td>
<td>Exterior door</td>
<td>Parking ramp, first floor room behind elevators</td>
<td>DC-13</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Door rusted</td>
<td>Replace HFP door</td>
<td>1</td>
<td>GA</td>
<td>600.00</td>
<td>600</td>
<td>$\text{1,380}$</td>
<td>$\text{1,423}$</td>
<td>$\text{1,463}$</td>
</tr>
<tr>
<td>DC-28</td>
<td>Automatic (Off)</td>
<td>Lighting Controls</td>
<td>Data Center</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>8</td>
<td>Yes</td>
<td>2</td>
<td>Update to meet code, shut off lights in unoccupied rooms</td>
<td>Interm occupancy sensors</td>
<td>12000</td>
<td>SF</td>
<td></td>
<td></td>
<td>$\text{23,167}$</td>
<td>$\text{23,978}$</td>
<td>$\text{24,817}$</td>
</tr>
<tr>
<td>DC-29</td>
<td>Service entrance</td>
<td>Data Center-electric at zoom</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>HIS amp (120V) 240V/277volt 10-kwh, 4 wire</td>
<td>Replace southwest entrance</td>
<td>1</td>
<td>LOT</td>
<td>70,000.00</td>
<td>70,000</td>
<td>$\text{139,004}$</td>
<td>$\text{140,884}$</td>
<td>$\text{142,925}$</td>
<td>$\text{144,996}$</td>
</tr>
<tr>
<td>DC-30</td>
<td>TVS as main Electrical</td>
<td>Data Center-electric at zoom</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Provide incoming TVS building protection</td>
<td>Add TVS protection</td>
<td>1</td>
<td>GA</td>
<td></td>
<td></td>
<td>$\text{5,792}$</td>
<td>$\text{5,995}$</td>
<td>$\text{6,204}$</td>
<td>$\text{6,422}$</td>
</tr>
<tr>
<td>DC-31</td>
<td>Panelboards</td>
<td>Parking ramp</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Outdated panelboards</td>
<td>Replace with new panelboards</td>
<td>25</td>
<td>GA</td>
<td></td>
<td></td>
<td>$\text{180,928}$</td>
<td>$\text{174,841}$</td>
<td>$\text{169,603}$</td>
<td>$\text{164,198}$</td>
</tr>
<tr>
<td>DC-32</td>
<td>Storm drain</td>
<td>Parking ramp</td>
<td>DC-14</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Existing drain pipe in poor condition</td>
<td>New cast iron drain pipe (approximately 50' of 6&quot; pipe)</td>
<td>50</td>
<td>LF</td>
<td>98.00</td>
<td>4,900</td>
<td>$\text{8,600}$</td>
<td>$\text{8,901}$</td>
<td>$\text{9,211}$</td>
</tr>
<tr>
<td>DC-33</td>
<td>Toilet room fixtures</td>
<td>Data Center toilet rooms</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Existing manual faucets and flush valves</td>
<td>New anti-siphon faucet and flush valve to meet standard</td>
<td>5</td>
<td>GA</td>
<td></td>
<td></td>
<td>$\text{4,388}$</td>
<td>$\text{4,541}$</td>
<td>$\text{4,702}$</td>
<td>$\text{4,865}$</td>
</tr>
<tr>
<td>DC-34</td>
<td>Toilet room accessories</td>
<td>Data Center; men and women</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>Paper towel dispensers, soap dispensers and mirror</td>
<td>Lower to code standards and add full-length mirrors</td>
<td>1</td>
<td>LS</td>
<td>900.00</td>
<td>900</td>
<td>$\text{1,580}$</td>
<td>$\text{1,635}$</td>
<td>$\text{1,692}$</td>
<td>$\text{1,751}$</td>
</tr>
<tr>
<td>DC-35</td>
<td>Toilet room plumbing fixtures</td>
<td>Data Center; men and women</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>Urinal and lavatory not at BF height</td>
<td>Lower to standard and add wall accessibility</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
<td>$\text{2,156}$</td>
<td>$\text{2,196}$</td>
<td>$\text{2,235}$</td>
<td>$\text{2,273}$</td>
</tr>
</tbody>
</table>

**Subtotal:** $\text{1,040,061}$
## East Campus Parking Ramp

### Building Deficiencies Priorities by Category:

- **1. Hazards**
- **2. Interruption**
- **3. Deterioration**
- **4. Utility**
- **5. Energy**
- **6. ADA**
- **7. Meager**

### Address:
- **East Campus Building**
- **Deficiencies Priorities by Category:**
  - **Consequences of the Problem:**
    - **Need:**
    - **Frequency of Use:**
      - **1. Critical**
      - **2. Urgent**
      - **3. Necessary**
      - **4. Desirable**
      - **5. Infrquent**

### Year Built:
- **1983**

### Evaluation Date:
- **12/15/2009**

### Project Cost includes 58.3% mark-ups and fees

### Unit cost based on 2010 pricing

### Project Cost:
- **2014**
- **2015**
- **2016**
- **2017**
- **2018**

### Priority:
- **October 2, 2012**

| No. | Item/Description | Location | Score | Energy | Freq. | Notes | Action | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal | Unit Cost | Subtotal |
|-----|------------------|----------|-------|--------|-------|-------|--------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| EC-2 | Lighting Shop/Office Area | 3 3 3 Yes Replace T-12 lights and fixtures, replace with T-8 lamps and Program Rapid Start | $4,400 | $13,200 | $23,167 | $23,978 | $24,817 | $25,686 | $26,585 |
| EC-10 | Exterior door sill Maintenance office entrance | 3 3 3 No Repair slab and VCT | $750 | $1,316 | $1,362 | $1,410 | $1,459 | $1,511 |
| EC-12 | Automatic (off) lighting Shop/Office Area | 3 3 3 Yes Update to meet code, shut off lights in unoccupied rooms | $1,100 | $3,300 | $5,792 | $5,995 | $6,204 | $6,422 | $6,646 |
| EC-13 | Exhaust fan Workshop | 3 3 3 Yes Install new thru-wall exhaust fan | $1,000 | $300 | $980 | $980 | $973 | $1,007 |

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
<th>Project Cost</th>
<th>Project Cost</th>
<th>Project Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>$25,885</td>
<td>$23,978</td>
<td>$24,817</td>
<td>$25,686</td>
<td>$26,585</td>
</tr>
<tr>
<td>2016</td>
<td>$31,153</td>
<td>$32,243</td>
<td>$33,372</td>
<td>$34,540</td>
<td>$35,749</td>
</tr>
<tr>
<td>2017</td>
<td>$34,540</td>
<td>$35,749</td>
<td>$36,941</td>
<td>$38,132</td>
<td>$39,333</td>
</tr>
<tr>
<td>2018</td>
<td>$39,333</td>
<td>$40,534</td>
<td>$41,736</td>
<td>$42,938</td>
<td>$44,140</td>
</tr>
</tbody>
</table>

### Notes:
- Lower score equals higher priority
- Project Cost includes 58.3% mark-ups and fees
- Unit cost based on 2010 pricing

---

Grand Rapids Community College
5-Year Capital Outlay Plan

East Campus Parking Ramp

Address:
- **East Campus Building**

Bldg. Area:
- **71,770**

No. of Floors:
- **2**

Year Built:
- **1983**

Due Erection Date:
- **12/15/2009**

Note: Building deficiencies are prioritized by category:

1. Hazards
2. Interruption
3. Deterioration
4. Utility
5. Energy
6. ADA
7. Meager

Note: Priority reflects urgency and frequency of use:

1. Critical
2. Urgent
3. Necessary
4. Desirable
5. Infrquent

Note: Unit cost reflects 2010 pricing

Note: Project Cost includes 58.3% mark-ups and fees

Note: Unit cost based on 2010 pricing
### FO-1 Emergency Lighting
- **Location**: Facility offices and maintenance shop
- **Priority**: 3
- **Condition**: No
- **Notes**: Emergency lighting is present but may not meet the current emergency lighting code.
- **Action**: Document emergency lighting levels and add additional emergency lighting to meet code.
- **Unit Cost**: $5,000.00
- **Total Cost**: $9,000.00

### FO-4 Fire Alarm System
- **Location**: Facility offices and maintenance shop
- **Priority**: 2
- **Condition**: Yes
- **Notes**: The facility does not have a fire alarm system.
- **Action**: Add a new fire alarm system.
- **Unit Cost**: $1,500.00
- **Total Cost**: $37,992.00

### FO-6 Condensing Unit
- **Location**: Parking ramp, Lyon Street entrance
- **Priority**: 3
- **Condition**: No
- **Notes**: Exiting unit is 14 years old and beyond life expectancy.
- **Action**: Replace with like and kind.
- **Unit Cost**: $6,820.00
- **Total Cost**: $11,970.00

### FO-7 PTAC's
- **Location**: Parking ramp office and booths
- **Priority**: 3
- **Condition**: Yes
- **Notes**: Existing units are in poor condition.
- **Action**: Replace with like and kind.
- **Unit Cost**: $3,960.00
- **Total Cost**: $20,851.00

### FO-8 Stairwell Lighting
- **Location**: Parking ramp
- **Priority**: 3
- **Condition**: Yes
- **Notes**: Outdated T-12 lamps, ballasts and fixtures.
- **Action**: Replace with T-8, lamps and program rapid start ballasts.
- **Unit Cost**: $325.00
- **Total Cost**: $13,975.00

### FO-9 Building Lighting
- **Location**: Facility offices and maintenance shop
- **Priority**: 3
- **Condition**: No
- **Notes**: Outdated T-12 lamps, ballasts and fixtures.
- **Action**: Replace with LED lamps, bi-level illumination and local sensors.
- **Unit Cost**: $4.40
- **Total Cost**: $111,443.00

### FO-10 Toll Booths
- **Location**: Parking ramp Level 1 and 4
- **Priority**: 3
- **Condition**: No
- **Notes**: Rust at lower edge. Remove rust and paint booth (cost per CWI report 11/2009).
- **Unit Cost**: $500.00
- **Total Cost**: $500.00

### FO-11 Automatic (off) Lighting Controls
- **Location**: Facility offices and maintenance shop
- **Priority**: 5
- **Condition**: Yes
- **Notes**: Update to meet code, shut off lights in unoccupied rooms.
- **Action**: Install occupancy sensors.
- **Unit Cost**: $1.10
- **Total Cost**: $15,874.00

### FO-12 Pipe Insulation
- **Location**: Maintenance shop
- **Priority**: 4
- **Condition**: Yes
- **Notes**: Existing HWH pipe is uninsulated.
- **Action**: Insulate and identify the copper pipe on the east wall of the maintenance shop.
- **Unit Cost**: $12.50
- **Total Cost**: $319.30

### FO-13 Exhaust Fan
- **Location**: Facility office break rooms
- **Priority**: 3
- **Condition**: Yes
- **Notes**: Existing kitchenette / copy booth does not have dedicated exhaust.
- **Action**: Add a dedicated exhaust fan to the area.
- **Unit Cost**: $6,000.00
- **Total Cost**: $10,531.00

### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>$472,749</td>
<td>$488,562</td>
<td>$500,093</td>
<td>$523,702</td>
<td>$542,125</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------</td>
<td>----------</td>
<td>-------</td>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>FF-1</td>
<td>Smoke detector on gymrooms</td>
<td>North and south mechanical room</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>FF-2</td>
<td>Exit signage</td>
<td>Throughout building</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>FF-3</td>
<td>Fire alarm system</td>
<td>Throughout building</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>FF-4</td>
<td>Emergency generator emergency generator room</td>
<td></td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>FF-5</td>
<td>Emergency lighting</td>
<td>Throughout building</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>FF-6</td>
<td>Multizone unit</td>
<td>FF-20 Roof walkway</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-7</td>
<td>Elevator</td>
<td>FF-19 Interior walkway</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-8</td>
<td>Fire alarm system</td>
<td>Throughout building</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-9</td>
<td>Building lighting</td>
<td>All areas excluding gymrooms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-10</td>
<td>Exterior concrete walls</td>
<td>Paint peeling. Repaint guardrails.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-11</td>
<td>AHU's</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-12</td>
<td>Stair risers</td>
<td>South stair</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-13</td>
<td>Construction site</td>
<td>Mechanical Room 100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-14</td>
<td>Concrete wall</td>
<td>Concrete wall is spalled. Replace concrete wall.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-15</td>
<td>Control valves</td>
<td>T-12 lamps. Replace with T-8, lamps.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-16</td>
<td>Emergency generator emergency generator room</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-17</td>
<td>Heat exchangers heat exchangers</td>
<td>Heat exchangers are in poor condition.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-18</td>
<td>Control valves</td>
<td>Control valves have been replaced.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-19</td>
<td>Control valves</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-20</td>
<td>Exterior concrete walls</td>
<td>Exterior concrete walls are in poor condition.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Cost**: Amount spent to address the issue.
- **Score**: Indicates the urgency and priority of the work. Higher scores indicate higher priority.
- **Action**: Describes the action taken to address the issue.
- **Qty.** and **Unit**: Indicates the quantity and unit of measurement for the cost incurred.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Priority</th>
<th>Cons. Need Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>FF-21</td>
<td>Ceramic tile wall</td>
<td>Men's locker room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Investigate and replace ceramic tile.</td>
<td>350 SF</td>
<td>$ 12.50</td>
<td>$ 4,375</td>
<td></td>
<td></td>
<td>$ 7,769</td>
</tr>
<tr>
<td>FF-22</td>
<td>Automatic soft lighting controls</td>
<td>Throughout building</td>
<td>3 3 3</td>
<td>6</td>
<td>7</td>
<td>Update to meet code, due to light glinting off specular lenses.</td>
<td>70,000 SF</td>
<td>$ 1.10</td>
<td>$ 77,000</td>
<td></td>
<td></td>
<td>$ 115,143</td>
</tr>
<tr>
<td>FF-23</td>
<td>Exterior egress doors</td>
<td>South elevation of gymnasium</td>
<td>4 4 4</td>
<td>5</td>
<td>7</td>
<td>Replace with RFP doors and aluminum frames to match exposed.</td>
<td>6 GA</td>
<td>$ 2,550.00</td>
<td>$ 15,300</td>
<td></td>
<td></td>
<td>$ 39,513</td>
</tr>
<tr>
<td>FF-24</td>
<td>Locker room lighting</td>
<td>Hot floor men's and women's locker rooms, health club and second floor men's locker room</td>
<td>4 4 4</td>
<td>5</td>
<td>7</td>
<td>Replace with like and kind.</td>
<td>7,600 SF</td>
<td>$ 11.50</td>
<td>$ 87,400</td>
<td></td>
<td></td>
<td>$ 153,396</td>
</tr>
<tr>
<td>FF-25</td>
<td>Folding partition</td>
<td>Roof floor dance studio</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Replace folding partition, 25 ft. long x 9 ft. high.</td>
<td>400 SF</td>
<td>$ 50.00</td>
<td>$ 20,000</td>
<td></td>
<td></td>
<td>35,102</td>
</tr>
<tr>
<td>FF-26</td>
<td>Condensate return</td>
<td>Meter room</td>
<td>4 4 4</td>
<td>5</td>
<td>7</td>
<td>No pipe is no longer in use.</td>
<td>200 LF</td>
<td>$ 23.10</td>
<td>$ 4,620</td>
<td></td>
<td></td>
<td>$ 8,109</td>
</tr>
<tr>
<td>FF-27</td>
<td>Air cooled chiller</td>
<td>Rooftop</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Office is only existing area with air conditioning. Add 250-ton chiller to provide conditioned air conditioning to the Colonnade south area over lap.</td>
<td>1 LSI</td>
<td>$ 422,500</td>
<td>$ 422,500</td>
<td></td>
<td></td>
<td>723,979</td>
</tr>
<tr>
<td>FF-28</td>
<td>Drier exhaust</td>
<td>Roof</td>
<td>4 4 4</td>
<td>5</td>
<td>7</td>
<td>No 2</td>
<td>Replace ductwork exhaust vent to close in existing connections. Add appropriate sheet metal and roof base.</td>
<td>1 LSI</td>
<td>$ 3,085.00</td>
<td>$ 3,950</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-29</td>
<td>Air &amp; V &amp; A &amp; I &amp; Mechanical systems</td>
<td>South and north mechanical rooms</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Sealed exhaust air conditioning.</td>
<td>3 GA</td>
<td>$ 450,000</td>
<td>$ 450,000</td>
<td></td>
<td></td>
<td>789,750</td>
</tr>
<tr>
<td>FF-30</td>
<td>Accoustic ceiling tiles, lighting and mechanical grilles</td>
<td>North and south second floor mechanical room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Sealed, air conditioning, tile, ceiling, acoustical</td>
<td>2,240 SF</td>
<td>$ 9.00</td>
<td>$ 11,130</td>
<td></td>
<td></td>
<td>$ 37,349</td>
</tr>
<tr>
<td>FF-31</td>
<td>Section ceiling panels and lighting</td>
<td>Second floor corridor to first floor corridor</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>Section ceiling panels and lighting</td>
<td>1,250 SF</td>
<td>$ 5.00</td>
<td>$ 6,250</td>
<td></td>
<td></td>
<td>$ 22,250</td>
</tr>
<tr>
<td>FF-32</td>
<td>Condensate return</td>
<td>Room 103</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>No 3 Invest in new insulation.</td>
<td>50 LF</td>
<td>$ 45.00</td>
<td>$ 2,250</td>
<td></td>
<td></td>
<td>865</td>
</tr>
<tr>
<td>FF-33</td>
<td>Drier exhaust</td>
<td>Men's locker room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>No 2</td>
<td>Replace vertical exhaust vent to close in existing connections. Add appropriate sheet metal and roof base.</td>
<td>1 LSI</td>
<td>$ 500.00</td>
<td>$ 500.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-34</td>
<td>Drier exhaust</td>
<td>Women's locker room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>No 2</td>
<td>Replace vertical exhaust vent to close in existing connections. Add appropriate sheet metal and roof base.</td>
<td>1 LSI</td>
<td>$ 100</td>
<td>$ 100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-35</td>
<td>Drier exhaust</td>
<td>Men's locker room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>No 2</td>
<td>Replace vertical exhaust vent to close in existing connections. Add appropriate sheet metal and roof base.</td>
<td>1 LSI</td>
<td>$ 100</td>
<td>$ 100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FF-36</td>
<td>Drier exhaust</td>
<td>Women's locker room</td>
<td>4 4 4</td>
<td>3</td>
<td>8</td>
<td>No 2</td>
<td>Replace vertical exhaust vent to close in existing connections. Add appropriate sheet metal and roof base.</td>
<td>1 LSI</td>
<td>$ 100</td>
<td>$ 100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Note: Lower score equals higher priority.


Note: Project Cost includes 58.3% mark-ups and fees.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Code</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN-1</td>
<td>Interiors doors, Former waterfountain/court entrance Stair</td>
<td>Carriage House 100</td>
<td>3413</td>
<td>6</td>
<td>No 2</td>
<td>Door area not meet minimum building and MF code requirements</td>
<td>Remove and make concrete wall opening larger (new cut) and provide new wood door in hollow metal frame.</td>
<td>6</td>
<td>GA</td>
<td>$21,061</td>
<td>$21,798</td>
<td>$22,561</td>
<td>$23,251</td>
<td>$24,168</td>
</tr>
<tr>
<td>FN-2</td>
<td>BF access, Former waterfountain/court entrance Stair</td>
<td>Carriage House 100</td>
<td>3413</td>
<td>6</td>
<td>No 2</td>
<td>BF access at door prevents access to stairs.</td>
<td>Provide ramp at entrance door.</td>
<td>6</td>
<td>GA</td>
<td>$6,018</td>
<td>$6,540</td>
<td>$6,784</td>
<td>$7,005</td>
<td>$7,250</td>
</tr>
<tr>
<td>FN-3</td>
<td>Pool heater heat exchanger</td>
<td>Assam 113</td>
<td>5</td>
<td>2</td>
<td>Yes 1</td>
<td>Cracked heat exchanger present at wall 3 feet.</td>
<td>Replace with like and locate 5'-0&quot; off corridor, 40 degrees dewpoint.</td>
<td>1</td>
<td>LS</td>
<td>$6,409</td>
<td>$6,960</td>
<td>$8,272</td>
<td>$9,666</td>
<td>$8,662</td>
</tr>
<tr>
<td>FN-4</td>
<td>Emergency lighting, Through all building</td>
<td>Throughout building</td>
<td>2</td>
<td>2</td>
<td>Yes 2</td>
<td>Avenue per code.</td>
<td>Add/replace exit signage.</td>
<td>44,379</td>
<td>5 W</td>
<td>$0.03</td>
<td>$36,835</td>
<td>$66,912</td>
<td>$69,253</td>
<td>$71,677</td>
</tr>
<tr>
<td>FN-5</td>
<td>Exit signage, Throughout building</td>
<td>Throughout building</td>
<td>2</td>
<td>2</td>
<td>No 4</td>
<td>Add/replace exit signage.</td>
<td>Replace with LED exit lighting.</td>
<td>35</td>
<td>GA</td>
<td>$275</td>
<td>$4,625</td>
<td>$16,863</td>
<td>$17,484</td>
<td>$18,096</td>
</tr>
<tr>
<td>FN-6</td>
<td>Fire alarm, Throughout building</td>
<td>Throughout building</td>
<td>2</td>
<td>2</td>
<td>No 4</td>
<td>System does not meet current codes, doorknobs are not present and pull stations are not within 5'-0&quot;.</td>
<td>Add new doorknobs, pull stations and remote annunciator panel connected to new Main FACP located in the Field House.</td>
<td>44,379</td>
<td>5 W</td>
<td>$0.03</td>
<td>$36,835</td>
<td>$66,912</td>
<td>$69,253</td>
<td>$71,677</td>
</tr>
<tr>
<td>FN-7</td>
<td>Building lighting</td>
<td>Throughout building</td>
<td>3</td>
<td>3</td>
<td>Yes 2</td>
<td>Outdated T-12 lamp, sockets and ballasts.</td>
<td>Replace with T8 lamps and program rapid start ballasts.</td>
<td>23,000</td>
<td>SF</td>
<td>$4.48</td>
<td>$101,201</td>
<td>$177,616</td>
<td>$183,833</td>
<td>$190,267</td>
</tr>
<tr>
<td>FN-8</td>
<td>Exterior concrete wall, maintained areas</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 3</td>
<td>Grout is in poor condition.</td>
<td>Replace and replace wall.</td>
<td>550</td>
<td>LF</td>
<td>$5.00</td>
<td>$2,750</td>
<td>$4,827</td>
<td>$4,995</td>
<td>$5,170</td>
</tr>
<tr>
<td>FN-9</td>
<td>Exterior concrete wall, All elevators</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 3</td>
<td>Grout is in poor condition.</td>
<td>Replace concrete and seal entire surface.</td>
<td>14,500</td>
<td>3 W</td>
<td>$2.20</td>
<td>$31,900</td>
<td>$55,988</td>
<td>$57,947</td>
<td>$59,975</td>
</tr>
<tr>
<td>FN-10</td>
<td>Exterior concrete walls, Front entrance</td>
<td>North stair, pool level</td>
<td>3</td>
<td>3</td>
<td>No 3</td>
<td>Grout is in poor condition.</td>
<td>Replace with like wall material.</td>
<td>1</td>
<td>LS</td>
<td>$500.00</td>
<td>$500</td>
<td>$500</td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td>FN-11</td>
<td>Exterior concrete</td>
<td>North stair, pool level</td>
<td>3</td>
<td>3</td>
<td>No 3</td>
<td>Replace and repair entire exterior.</td>
<td>Provide like panel with repaired aluminum grid.</td>
<td>850</td>
<td>GA</td>
<td>$4.70</td>
<td>$3,995</td>
<td>$6,043</td>
<td>$6,083</td>
<td>$6,120</td>
</tr>
<tr>
<td>FN-12</td>
<td>No stained concrete, South stair, Office 2002</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 3</td>
<td>Spalled and damaged 1'-0&quot; at all stair.</td>
<td>Provide layout panels and exposed aluminum grid.</td>
<td>275</td>
<td>3 W</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
</tr>
<tr>
<td>FN-13</td>
<td>Exterior surface of pool wall, South stair, Office 2002</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 2</td>
<td>Painted concrete, crews are not working.</td>
<td>Repair crack and leaked.</td>
<td>1</td>
<td>LS</td>
<td>$1,650.00</td>
<td>$1,650</td>
<td>$1,650</td>
<td>$1,650</td>
<td>$1,650</td>
</tr>
<tr>
<td>FN-14</td>
<td>Exterior concrete, Mechanical Room 100</td>
<td>Mechanical Room 100</td>
<td>3</td>
<td>3</td>
<td>No 1</td>
<td>Ceiling water is in poor condition.</td>
<td>Replace with 3'-0&quot; control panel at mechanical room.</td>
<td>1</td>
<td>LS</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
<td>$2,124</td>
</tr>
<tr>
<td>FN-15</td>
<td>Exterior concrete, Near entrance</td>
<td>Bathhouse</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 3</td>
<td>Spalled and damaged.</td>
<td>Replace concrete wall.</td>
<td>1</td>
<td>LS</td>
<td>$500.00</td>
<td>$500</td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td>FN-16</td>
<td>Pool lighting</td>
<td>Around perimeter of pool</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>Yes 2</td>
<td>Currently HID lamps.</td>
<td>Replace with HID lamps with new updated lighting systems designed for pool areas with T12 lamps and program rapid start ballasts.</td>
<td>1</td>
<td>LS</td>
<td>$20,060.00</td>
<td>$20,060</td>
<td>$20,060</td>
<td>$20,060</td>
</tr>
<tr>
<td>FN-18</td>
<td>Building expansion joint, Public washroom area</td>
<td>Bathhouse</td>
<td>Assam 113</td>
<td>5</td>
<td>3</td>
<td>No 3</td>
<td>VT (tanged) at floor.</td>
<td>Replace VT (tanged) correct wall cavity.</td>
<td>1</td>
<td>LS</td>
<td>$625.00</td>
<td>$625</td>
<td>$625</td>
<td>$625</td>
</tr>
<tr>
<td>FN-19</td>
<td>Automatic (off) lighting control, Throughout building</td>
<td>Throughout building</td>
<td>3</td>
<td>3</td>
<td>Yes 2</td>
<td>Gable to meet code, but off lighting in occupied rooms.</td>
<td>Install occupancy sensors.</td>
<td>44,379</td>
<td>5 W</td>
<td>$1.10</td>
<td>$48,817</td>
<td>$85,679</td>
<td>$88,477</td>
<td>$91,784</td>
</tr>
</tbody>
</table>

Grand Rapids Community College
5-Year Capital Outlay Plan
October 2, 2012

Building Deficiencies Plottet by Category:
- No. of Item/Description
- Location
- Photo No.
- Priority
- Code
- Score
- Energy
- Freq.
- Notes
- Action
- Qty.
- Unit Cost
- Subtotal


- 1: Critical
- 2: Significant
- 3: Necessary
- 4: Desirable
- 5: Inconsequential
- 6: ADA
- 1/6/2010

Project Cost includes 58.3% mark-ups and fees

Note: Unit cost based on 2012 pricing

Note: Lower score equals higher priority

Note: 5-Year Capital Outlay Plan
### Grand Rapids Community College
### 5-Year Capital Outlay Plan

**Address:** 208 Ramon NE  
**Building:** 44,279 SF  
**Year Built:** 1976  
**Fires, Type:** 3 (planchieving balcony)

**Includes the following problems by Category:**

- **Consequences of the Problem:**
  - 1. Hazards
  - 2. Interruption
  - 3. Deterioration
  - 4. Utility
  - 5. Energy
  - 6. ADA
  - 7. Meager

**Address:** 226 Ransom NE

**Building Deficiencies Priorities by Category:**

<table>
<thead>
<tr>
<th>Notes</th>
<th>Score</th>
<th>Energy</th>
<th>Frequency</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower score equals higher priority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Bldg Area:** 44,279 SF  
**No. of Floors:** 3 (plus viewing balcony)  
**Year Built:** 1976

**Deficient Date:** 1/6/2010

**Note:** Unit costs based on 2010 pricing

**Note:** Project Cost includes 58.3% mark-ups and fees

#### Building Deficiencies

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FN-20</td>
<td>Service entrance gear Electrical room east of Calkins</td>
<td>4 4 4</td>
<td>No 2</td>
<td>Beyond useful life.</td>
<td>Replace 3,200 ampere 400/277V and 400 ampere 277/120V switchboard and transformers.</td>
<td>1</td>
<td>EA</td>
<td>$137,500.00</td>
<td>$137,500</td>
<td>241,326</td>
<td>$249,773</td>
<td>$258,515</td>
<td>$267,563</td>
<td>$276,927</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-21</td>
<td>Panelboards</td>
<td>Penrose building</td>
<td>4 4 4</td>
<td>No 2</td>
<td>Beyond useful life.</td>
<td>Replace panelboards.</td>
<td>25</td>
<td>EA</td>
<td>$4,180.00</td>
<td>$184,500</td>
<td>183,408</td>
<td>$196,471</td>
<td>$203,048</td>
<td>$210,405</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-22</td>
<td>VCT flooring North/south corridor racquetball court level</td>
<td>4 4 4</td>
<td>No 2</td>
<td>Flooring is in fair to poor condition, repaired with non-matching tile.</td>
<td>Replace VCT and resilient base.</td>
<td>1,200</td>
<td>SF</td>
<td>$3,300</td>
<td>$3,960</td>
<td>6,950</td>
<td>$7,193</td>
<td>$7,445</td>
<td>$7,706</td>
<td>$7,976</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-23</td>
<td>AHU-8</td>
<td>Upper level mechanical room FN-9</td>
<td>4 4 4</td>
<td>Yes 2</td>
<td>Unit is in poor condition and lacks required air quantity.</td>
<td>Replace with larger unit.</td>
<td>1</td>
<td>LS</td>
<td>$40,000</td>
<td>$40,000</td>
<td>70,204</td>
<td>$72,661</td>
<td>$75,204</td>
<td>$77,836</td>
<td>$80,561</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-24</td>
<td>AHU-9</td>
<td>Upper level mechanical room</td>
<td>4 4 4</td>
<td>Yes 2</td>
<td>Existing unit is in fair to poor condition. Controls are in fair to poor condition.</td>
<td>Replace with like and kind.</td>
<td>1</td>
<td>LS</td>
<td>$187,000</td>
<td>$187,000</td>
<td>328,204</td>
<td>$339,691</td>
<td>$351,580</td>
<td>$363,885</td>
<td>$376,621</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-25</td>
<td>Showers trees</td>
<td>Team locker room FN-10</td>
<td>4 4 4</td>
<td>No 3</td>
<td>Existing shower heads are in fair to poor condition.</td>
<td>Replace with like and kind.</td>
<td>8</td>
<td>EA</td>
<td>$2,500</td>
<td>$20,000</td>
<td>35,102</td>
<td>$36,331</td>
<td>$37,602</td>
<td>$38,918</td>
<td>$40,280</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-26</td>
<td>Passenger elevator</td>
<td>Adjacent to south stair</td>
<td>4 5 5</td>
<td>No 2</td>
<td>No audible signals or floor designation signs at hall and lobby areas.</td>
<td>Provide audible signal and floor designation signs.</td>
<td>1</td>
<td>LS</td>
<td>$3,520</td>
<td>$3,520</td>
<td>6,178</td>
<td>$6,399</td>
<td>$6,614</td>
<td>$6,850</td>
<td>$7,089</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FN-27</td>
<td>Locker room showsers</td>
<td>Men's and women's locker rooms</td>
<td>4 4 5</td>
<td>No 2</td>
<td>Showers/lack of shower.</td>
<td>Provide BF transfer type showers.</td>
<td>2</td>
<td>EA</td>
<td>$2,500</td>
<td>$5,000</td>
<td>15,796</td>
<td>$16,349</td>
<td>$16,921</td>
<td>$17,513</td>
<td>$18,126</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total:** $1,487,778

2012 Project Cost: $1,093,200  
2013 Project Cost: $1,049,457  
2014 Project Cost: $1,000,633  
2015 Project Cost: $958,775
## Consequences of the Problem

Concrete needs cleaning.

### Hazards

1. Critical
2. Urgent
3. Occasional
4. Infrequent

### Frequency of Use

1. Occasional
2. Frequent
3. Necessary
4. Desirable

### Energy

1. Critical
2. Urgent

### Notes

- Lower acore equals higher priority
- Project Cost includes 58.3% mark-ups and fees
- No. of Floors: 2 (plus basement)
- Bldg. Area: 73,946 SF
- Address: 140 Ransom NE

### Building Deficiencies 

- Learning Resource Center
- 5-Year Capital Outlay Plan
- Grand Rapids Community College

#### Learning Resource Center

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Consequences</th>
<th>Hazards</th>
<th>Frequency of Use</th>
<th>Notes</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Interior drop ceiling protection</td>
<td>Between central starts, second floor</td>
<td>LR-2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>No</td>
<td>1</td>
<td>No intervention is required. Recommended to repair. Remove metal cladding to top of concrete ceiling.</td>
<td>50</td>
<td>SF</td>
<td>30.00</td>
</tr>
<tr>
<td>2</td>
<td>Substation</td>
<td>Basement substation room</td>
<td>LR-3</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>No</td>
<td>4</td>
<td>Replace hardware required per NEC 110.26(E)(13).</td>
<td>1</td>
<td>GA</td>
<td>105.00</td>
</tr>
<tr>
<td>3</td>
<td>Substation</td>
<td>Basement substation room</td>
<td>LR-3</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>No</td>
<td>4</td>
<td>Replace hardware required per NEC 110.26(E)(13).</td>
<td>1</td>
<td>GA</td>
<td>2,500.00</td>
</tr>
<tr>
<td>4</td>
<td>Emergency lighting</td>
<td>Throughput building</td>
<td>LR-4</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>Replace per NFPA code.</td>
<td>1</td>
<td>LS</td>
<td>$ 81,400.00</td>
</tr>
<tr>
<td>5</td>
<td>Exit signage</td>
<td>Library stack shelf</td>
<td>LR-5</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>No</td>
<td>4</td>
<td>Exit path not identifiable.</td>
<td>20</td>
<td>EA</td>
<td>$ 275.00</td>
</tr>
<tr>
<td>6</td>
<td>Exit signage</td>
<td>Throughput system entrees</td>
<td>LR-6</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>Update to meet code requirements.</td>
<td>1</td>
<td>LS</td>
<td>$ 59.00</td>
</tr>
<tr>
<td>7</td>
<td>Exterior concrete walls</td>
<td>All elevators</td>
<td>LR-7</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Concrete needs cleaning. Reported water leaks.</td>
<td>20,000</td>
<td>SF</td>
<td>2.20</td>
</tr>
<tr>
<td>8</td>
<td>Exterior concrete walls</td>
<td>All elevators</td>
<td>LR-7</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Concrete needs cleaning. Reported water leaks.</td>
<td>20,000</td>
<td>SF</td>
<td>2.20</td>
</tr>
<tr>
<td>9</td>
<td>Exterior concrete walls</td>
<td>All elevators</td>
<td>LR-7</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Concrete needs cleaning. Reported water leaks.</td>
<td>20,000</td>
<td>SF</td>
<td>2.20</td>
</tr>
<tr>
<td>10</td>
<td>Interior sloped glass roof</td>
<td>Penthouse exhaust</td>
<td>LR-8</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>No</td>
<td>1</td>
<td>Glass will not support human load. Reported to client of student sitting on glass.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Interior sloped glass roof</td>
<td>Penthouse exhaust</td>
<td>LR-8</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>No</td>
<td>1</td>
<td>Glass will not support human load. Reported to client of student sitting on glass.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Interior sloped glass roof</td>
<td>Penthouse exhaust</td>
<td>LR-8</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>No</td>
<td>1</td>
<td>Glass will not support human load. Reported to client of student sitting on glass.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Project Cost

- 2014: $12,738
- 2015: $13,184
- 2016: $13,646
- 2017: $14,123
- 2018: $14,608
- 2019: $15,116
- 2020: $15,638
- 2021: $16,182
- 2022: $16,753
- 2023: $17,353
- 2024: $18,002
- 2025: $18,701
- 2026: $19,439
- 2027: $20,227
- 2028: $21,056
- 2029: $21,926
- 2030: $22,837

#### Project Cost

- 2014: $12,738
- 2015: $13,184
- 2016: $13,646
- 2017: $14,123
- 2018: $14,608
- 2019: $15,116
- 2020: $15,638
- 2021: $16,182
- 2022: $16,753
- 2023: $17,353
- 2024: $18,002
- 2025: $18,701
- 2026: $19,439
- 2027: $20,227
- 2028: $21,056
- 2029: $21,926
- 2030: $22,837

---

**Note:** Lower score equals higher priority. Project Cost includes 58.3% mark-ups and fees.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Core</th>
<th>Notes</th>
<th>Energy</th>
<th>Freq.</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Notes</th>
<th>Action Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR-22</td>
<td>Lighting control system</td>
<td>Throughout building</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Required per code. Reinstall 96&quot; x 204&quot; electrical lighting control system.</td>
<td>1</td>
<td>LS</td>
<td>$10,000.00</td>
<td>$10,000</td>
<td>$18,165</td>
<td>$18,805</td>
<td>$19,045</td>
<td>$20,140</td>
</tr>
<tr>
<td>LR-23</td>
<td>Main secondary switchboard</td>
<td>Basement electrical room</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>One leg remains closed when 200A amperage is rated. Improve single switch box to operate.</td>
<td>1</td>
<td>GA</td>
<td>$357,563</td>
<td>$357,563</td>
<td>$362,600</td>
<td>$362,600</td>
<td>$395,960</td>
<td>$409,853</td>
</tr>
<tr>
<td>LR-24</td>
<td>Transformer and main switch</td>
<td>Basement electrical room</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>D00-4kVA taking fed 240V-480V delta transformer. Reinstall control panel and primary main with fuses.</td>
<td>1</td>
<td>LOT</td>
<td>$7,305</td>
<td>$7,305</td>
<td>$13,978</td>
<td>$14,984</td>
<td>$15,908</td>
<td></td>
</tr>
<tr>
<td>LR-25</td>
<td>Interiors doors</td>
<td>Throughout building</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Door veneer deteriorating, hardware outdated. Replace doors and hardware.</td>
<td>25</td>
<td>GA</td>
<td>$1,265.00</td>
<td>$31,625</td>
<td>$55,505</td>
<td>$57,448</td>
<td>$61,530</td>
<td>$61,693</td>
</tr>
<tr>
<td>LR-26</td>
<td>Toilet room lavatory counter</td>
<td>Second floor men's washroom</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Laminate counter is deteriorated. Replace counter, sink and plumbing fixtures.</td>
<td>1</td>
<td>GA</td>
<td>$150.00</td>
<td>$150</td>
<td>$1,200</td>
<td>$1,200</td>
<td>$2,627</td>
<td>$2,719</td>
</tr>
<tr>
<td>LR-27</td>
<td>Bathroom</td>
<td>Basement substation room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>Working space shall not be used for storage per NEC 103.3(6). Core room of boxed items.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>LR-28</td>
<td>TV/Video entrance door</td>
<td>Basement electrical room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Provide incoming TV/Video building protection. Add TV/Video incoming service.</td>
<td>1</td>
<td>GA</td>
<td>$3,300.00</td>
<td>$3,300</td>
<td>$5,795</td>
<td>$5,995</td>
<td>$6,204</td>
<td>$6,422</td>
</tr>
<tr>
<td>LR-29</td>
<td>Door hardware</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Door hardware (especially panic bars) are old and outdated. Replace door hardware.</td>
<td>1</td>
<td>LS</td>
<td>$27,500.00</td>
<td>$27,500</td>
<td>$51,703</td>
<td>$53,533</td>
<td>$55,185</td>
<td></td>
</tr>
<tr>
<td>LR-30</td>
<td>Mechanical room</td>
<td>Mechanical room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>Existing fan is undersized. Add reheat to improve temperature.</td>
<td>1</td>
<td>LS</td>
<td>$4,070.00</td>
<td>$4,070</td>
<td>$7,143</td>
<td>$7,397</td>
<td>$7,920</td>
<td>$8,197</td>
</tr>
<tr>
<td>LR-31</td>
<td>LV buses</td>
<td>Wet and wet room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Neon lighting not maintained as specified. Add neon to improve building control.</td>
<td>104</td>
<td>GA</td>
<td>$2,625.00</td>
<td>$251,698</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LR-32</td>
<td>Lighting and reception panelboards</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Water operated main breakers, outdated NEC equipment. Replace panelboards (25 @ $7,200 each). Replace TV/Video panelboards in 200A maximum (5 @ $44,000 each).</td>
<td>1</td>
<td>LS</td>
<td>$369,450.00</td>
<td>$189,450</td>
<td>$297,154</td>
<td>$307,720</td>
<td>$318,490</td>
<td>$329,637</td>
</tr>
<tr>
<td>LR-33</td>
<td>Sedanon transformers</td>
<td>Wet and wet room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>(2) 15KVA; (3) 20KVA. Replace with similar transformers 480V 330A for 200A maximum (3 @ $40,000 each).</td>
<td>1</td>
<td>LS</td>
<td>$29,260.00</td>
<td>$29,260</td>
<td>$51,354</td>
<td>$53,132</td>
<td>$55,012</td>
<td>$56,937</td>
</tr>
<tr>
<td>LR-34</td>
<td>Firewater heating</td>
<td>Boiler building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>Firewater is not provided. Add control valves and modifying piping to allow for proper zoning.</td>
<td>1</td>
<td>LS</td>
<td>$40,000.00</td>
<td>$40,000</td>
<td>$140,820</td>
<td>$145,322</td>
<td>$150,409</td>
<td>$155,673</td>
</tr>
<tr>
<td>LR-35</td>
<td>NMH pumps</td>
<td>Mechanical Room-P1L</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>Existing B &amp; G NMH pumps are not free from pollution.</td>
<td>1</td>
<td>LS</td>
<td>$12,600.00</td>
<td>$12,600</td>
<td>$23,939</td>
<td>$22,707</td>
<td>$25,505</td>
<td>$24,324</td>
</tr>
<tr>
<td>LR-36</td>
<td>Fume and flash valves</td>
<td>Toilet rooms</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>1</td>
<td>Same existing manual valves. Replace fume and flash valves with automatic to meet OSHA standard.</td>
<td>6</td>
<td>GA</td>
<td>$500.00</td>
<td>$3,000</td>
<td>$5,265</td>
<td>$5,450</td>
<td>$5,640</td>
<td>$5,838</td>
</tr>
<tr>
<td>LR-37</td>
<td>Occupancy sensors</td>
<td>Offices and classrooms</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>Provide localised control lighting.</td>
<td>1</td>
<td>LS</td>
<td>$17,890.00</td>
<td>$17,890</td>
<td>$31,411</td>
<td>$32,510</td>
<td>$33,648</td>
<td>$34,826</td>
</tr>
<tr>
<td>LR-38</td>
<td>Exterior superintendant, heating and glass</td>
<td>All elevators</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>Yes</td>
<td>3</td>
<td>Beneficial framing is single insulated aluminum framing and lighting.</td>
<td>7,500</td>
<td>SF</td>
<td>$70.00</td>
<td>$525,000</td>
<td>$921,428</td>
<td>$953,678</td>
<td>$987,066</td>
<td>$1,021,603</td>
</tr>
<tr>
<td>LR-39</td>
<td>Lighting fixtures</td>
<td>Wet and wet room</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>No</td>
<td>1</td>
<td>Existing fixture is not powered. Replace fixture with dual light output.</td>
<td>2</td>
<td>GA</td>
<td>$500.00</td>
<td>$1,000</td>
<td>$5,500</td>
<td>$5,500</td>
<td>$5,500</td>
<td>$5,500</td>
</tr>
<tr>
<td>LR-40</td>
<td>Rail road</td>
<td>Central stair</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>No</td>
<td>1</td>
<td>Rail road do not provide proper graspability. Provide proper handrail mounted to existing.</td>
<td>100</td>
<td>SF</td>
<td>$30.00</td>
<td>$3,000</td>
<td>$5,265</td>
<td>$5,450</td>
<td>$5,640</td>
<td>$5,838</td>
</tr>
<tr>
<td>No.</td>
<td>Item/Description</td>
<td>Location</td>
<td>Photo</td>
<td>Priority</td>
<td>Core</td>
<td>Score</td>
<td>Score</td>
<td>Energy Freq.</td>
<td>Notes</td>
<td>Action</td>
<td>Qty</td>
<td>Unit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-------------------</td>
<td>-------------------</td>
<td>---------</td>
<td>----------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>--------------</td>
<td>-------</td>
<td>-----------------</td>
<td>-----</td>
<td>-------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-41</td>
<td>BF toilet room access</td>
<td>First and second floors</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>B</td>
<td>No</td>
<td>2</td>
<td>Insufficient maneuvering space at entrance doors</td>
<td>Provide automatic door operator</td>
<td>2</td>
<td>GA</td>
<td>4,500</td>
<td>$ 1,000.00</td>
<td>$ 2,000</td>
<td>$ 19,306</td>
</tr>
<tr>
<td>18-42</td>
<td>Toilet room accessories</td>
<td>First and second floors</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>B</td>
<td>No</td>
<td>2</td>
<td>Soap dispensers and mirrors are not mounted at BF height</td>
<td>Remount soap dispensers and provide additional mirrors</td>
<td>5</td>
<td>GA</td>
<td>450</td>
<td>$ 2,250</td>
<td>$ 3,149</td>
<td>$ 4,087</td>
</tr>
<tr>
<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>
</tr>
<tr>
<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>
</tr>
</tbody>
</table>

Note: Lower score equals higher priority.
### Existing Domestic Water

<table>
<thead>
<tr>
<th>Building Deficiencies</th>
<th>Frequency of Use</th>
<th>Consequences of the Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Lack of</td>
<td>1. Essential</td>
<td>1. Life Safety</td>
</tr>
<tr>
<td>2. Interruption</td>
<td>2. Urgent</td>
<td>2. Occupancy</td>
</tr>
<tr>
<td>5. Energy</td>
<td>5. ADA</td>
<td></td>
</tr>
</tbody>
</table>

#### Year Built: 2013
- **10/Resimont 2000**
- **12/9/2009**

#### Hazards
- **Critical**
- **Constant**

#### Priorities by Category:
- **Consequences of the Problem**
- **Need**
- **Frequency of Use**

---

#### Lettinga Center

**October 2, 2012**

**Grand Rapids Community College**

**Address:** 473 E. Fulton

**Building Deficiencies List by Category:**

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Notes</th>
<th>Category</th>
<th>Notes</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC-1 Defects in concrete and trim</td>
<td>473 E. Fulton</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$1,500</td>
<td>$1,500</td>
</tr>
<tr>
<td>LC-2 Floor settlement</td>
<td>473 E. Fulton</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$2,633</td>
<td>$2,633</td>
</tr>
<tr>
<td>LC-3 Gaping</td>
<td>entire building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>2</td>
<td>$575</td>
<td>$1,150</td>
</tr>
<tr>
<td>LC-4 Emergency lighting</td>
<td>architectural</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>10</td>
<td>$660</td>
<td>$6,600</td>
</tr>
<tr>
<td>LC-5 Interior stair handles</td>
<td>North and south stair</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>2</td>
<td>$4,700</td>
<td>$9,400</td>
</tr>
<tr>
<td>LC-6 Fire alarm system</td>
<td>architectural</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$360</td>
<td>$360</td>
</tr>
<tr>
<td>LC-7 Water leak</td>
<td>attic at chimney</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$3,000</td>
<td>$3,000</td>
</tr>
<tr>
<td>LC-8 Foundation walls</td>
<td>basement</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>10</td>
<td>$11,200</td>
<td>$112,000</td>
</tr>
<tr>
<td>LC-9 Concrete patch</td>
<td>west side of building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>10</td>
<td>$2,200</td>
<td>$2,200</td>
</tr>
<tr>
<td>LC-10 Exterior wood siding</td>
<td>all elevators</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$30,000</td>
<td>$30,000</td>
</tr>
<tr>
<td>LC-11 Carpentry</td>
<td>first and second floors</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>1</td>
<td>$2,400</td>
<td>$2,400</td>
</tr>
<tr>
<td>LC-12 Exterior windows</td>
<td>all elevators</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>3</td>
<td>$18,000</td>
<td>$54,000</td>
</tr>
<tr>
<td>LC-13 Domestic watermain</td>
<td>basement</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$3,700</td>
<td>$14,800</td>
</tr>
<tr>
<td>LC-14 HVAC condenser</td>
<td>attic</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$1,750</td>
<td>$7,000</td>
</tr>
<tr>
<td>LC-15 HVAC ductwork</td>
<td>attic</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,500</td>
<td>$10,000</td>
</tr>
<tr>
<td>LC-16 Domestic waterpipe</td>
<td>basement</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>LC-17-Ranking pipe</td>
<td>basement</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>LC-18 Dine BAS</td>
<td>rite building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>LC-19 Occupancy Pellet</td>
<td>throughout building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>5</td>
<td>$2,000</td>
<td>$10,000</td>
</tr>
<tr>
<td>LC-20 Lighting</td>
<td>throughout building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>5</td>
<td>$2,000</td>
<td>$10,000</td>
</tr>
<tr>
<td>LC-21 BF tenant room</td>
<td>first floor</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>LC-22 Interior temp</td>
<td>first floor</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>4</td>
<td>$2,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>LC-23 Door hardware</td>
<td>throughout building</td>
<td></td>
<td>architectural</td>
<td></td>
<td></td>
<td>5</td>
<td>$2,000</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

#### Total Project Cost:
- **2012:** $324,764
- **2013:** $346,131
- **2014:** $378,060
- **2015:** $409,072
- **2016:** $478,744
- **2017:** $524,256
- **2018:** $567,278

---

**Note:** Project Cost includes $50,000 markups and fees.

**Note:** Unit cost based on 2010 pricing.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Cno</th>
<th>Notes</th>
<th>Priority</th>
<th>Frequency of Use</th>
<th>Action</th>
<th>Unit Cost Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME-1</td>
<td>Exit signage</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>Elevate to meet code requirements.</td>
<td>Replace with ADA compliant.</td>
</tr>
<tr>
<td>ME-2</td>
<td>Emergency lighting</td>
<td>Throughout building</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>No</td>
<td>2</td>
<td>Elevate to meet code requirements.</td>
<td>Add emergency battery units.</td>
</tr>
<tr>
<td>ME-3</td>
<td>Handrails</td>
<td>North and east entry</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>No</td>
<td>2</td>
<td>Handrail one side of door only and not code compliant.</td>
<td>Replace rail handrails.</td>
</tr>
<tr>
<td>ME-4</td>
<td>Non-GFCI receptacles</td>
<td>At all sinks and tubs</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>Elevate to meet code requirements.</td>
</tr>
<tr>
<td>ME-5</td>
<td>Fire alarm system</td>
<td>Throughout building</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>No</td>
<td>2</td>
<td>No fire detectors.</td>
<td>Add detectors.</td>
</tr>
<tr>
<td>ME-6</td>
<td>Foundation walls</td>
<td>Basement</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>No</td>
<td>3</td>
<td>Stone rubble wall mortar joints are disintegrating. Repair foundation walls on the interior wall where removed.</td>
<td>Repair foundation walls on the interior wall where removed.</td>
</tr>
<tr>
<td>ME-7</td>
<td>Foundation walls</td>
<td>Exterior</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>No</td>
<td>3</td>
<td>Stone in stone need repointing.</td>
</tr>
<tr>
<td>ME-8</td>
<td>Despoutage</td>
<td>Roth elevation</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Roof drainpipe is not insulated.</td>
<td>Add scupper drip and multiroof drain.</td>
</tr>
<tr>
<td>ME-9</td>
<td>Ceiling and second floor</td>
<td>Throughout building</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Carpet in poor condition.</td>
</tr>
<tr>
<td>ME-10</td>
<td>Elevator</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>No</td>
<td>2</td>
<td>Elevator not meant for second floor. Provide new toilet stalls and sinks.</td>
</tr>
<tr>
<td>ME-11</td>
<td>Bathroom ceiling heights</td>
<td>Corridor, 1st, 2nd, and 3rd floors</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>No</td>
<td>2</td>
<td>Rooms have ceiling heights below code requirements. No action at this time.</td>
</tr>
<tr>
<td>ME-12</td>
<td>Pipe insulation</td>
<td>Basement</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>Yes</td>
<td>1</td>
<td>Tracing of water pipes not mocked.</td>
</tr>
<tr>
<td>ME-13</td>
<td>Tank basins</td>
<td>Office building</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>Yes</td>
<td>1</td>
<td>No existing automation system. Test existing mechanical devices into a three basin system. Connect to the HVAC central BAS.</td>
</tr>
<tr>
<td>ME-14</td>
<td>Elevator</td>
<td>Throughout building</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>Yes</td>
<td>2</td>
<td>Elevator allows for unoccupied. Room at locking panel.</td>
</tr>
<tr>
<td>ME-15</td>
<td>Door hardware</td>
<td>Throughout building</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>No</td>
<td>2</td>
<td>Door handles do not meet ADA requirements.</td>
</tr>
<tr>
<td>ME-16</td>
<td>Fire alarm systems</td>
<td>Office building</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>No</td>
<td>2</td>
<td>Building lacks a fire alarm system.</td>
</tr>
<tr>
<td>ME-17</td>
<td>Exterior windows</td>
<td>All elevators</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>Yes</td>
<td>3</td>
<td>Wood window frame is in poor condition.</td>
</tr>
<tr>
<td>ME-18</td>
<td>Elevator</td>
<td>Throughout building</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>No</td>
<td>2</td>
<td>Building lacks an elevator.</td>
</tr>
</tbody>
</table>

**Unit Cost**

<table>
<thead>
<tr>
<th>Description</th>
<th>2017 Project Cost</th>
<th>2018 Project Cost</th>
<th>2019 Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural</td>
<td>2017</td>
<td>2018</td>
<td>2019</td>
</tr>
<tr>
<td>Mechanical</td>
<td>$564,238</td>
<td>$562,250</td>
<td>$562,070</td>
</tr>
<tr>
<td>Electrical</td>
<td>$628,376</td>
<td>$626,982</td>
<td>$624,292</td>
</tr>
</tbody>
</table>
Grand Rapids Community College
5-Year Capital Outlay Plan
October 2, 2012

Address: 143 Bostwick NE Building
Blk. Area: 210,475 SF
No. of Floors: 5, 2 basement levels & penthouses
Year Built: 1922 (1929 major addition)

Note: Lower score equals higher priority

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Description</th>
<th>Location</th>
<th>Priority</th>
<th>Code</th>
<th>Notes</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-1</td>
<td>Exhaust system</td>
<td>G1 Room 15</td>
<td>1 1 4</td>
<td>No 4</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>
</tr>
<tr>
<td>MB-2</td>
<td>Exhaust system</td>
<td>G1 upper mechanical room</td>
<td>1 1 4</td>
<td>No 1</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>
</tr>
<tr>
<td>MB-3</td>
<td>Chemical storage</td>
<td>Art Room 404</td>
<td>1 1 2</td>
<td>No 3</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>
</tr>
<tr>
<td>MB-4</td>
<td>Improper storage</td>
<td>Bill stair health floor</td>
<td>1 1 3</td>
<td>No 2</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>
</tr>
<tr>
<td>MB-5</td>
<td>Refrigerant detectors</td>
<td>G1 upper mechanical room</td>
<td>1 1 3</td>
<td>No 4</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>
</tr>
<tr>
<td>MB-6</td>
<td>Interior regaroo doors</td>
<td>Stairways</td>
<td>1 1 4</td>
<td>No 3</td>
<td>Many doors do not have linting hardware as required by code.</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>
</tr>
<tr>
<td>MB-7</td>
<td>Condenser doors</td>
<td>Classrooms, offices</td>
<td>1 1 4</td>
<td>No 3</td>
<td>Many doors are not self-closing as required by code.</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>
</tr>
<tr>
<td>MB-8</td>
<td>Condenser doors</td>
<td>Classrooms, offices</td>
<td>1 1 4</td>
<td>No 3</td>
<td>Many doors do not have the rated safety glass as required by code.</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>
</tr>
<tr>
<td>MB-9</td>
<td>Condenser doors</td>
<td>Classrooms, offices</td>
<td>1 1 4</td>
<td>No 3</td>
<td>Many doors do not have the rated glass as required by code.</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>
</tr>
<tr>
<td>MB-10</td>
<td>Condenser borrowed doors</td>
<td>Classrooms, offices</td>
<td>1 1 4</td>
<td>No 3</td>
<td>Many doors do not have the rated glass as required by code.</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>
</tr>
<tr>
<td>MB-11</td>
<td>Elevator machine room</td>
<td>North penthouse</td>
<td>1 1 4</td>
<td>No 4</td>
<td>Building machine room does not have rated wall enclosure.</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>
</tr>
<tr>
<td>MB-12</td>
<td>Restrooms and guardrails</td>
<td>North stair</td>
<td>1 1 4</td>
<td>No 1</td>
<td>Handrails and guardrails do not meet current code requirements.</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>
</tr>
<tr>
<td>MB-13</td>
<td>Elevator well fire rating</td>
<td>Rego Office 5th floor</td>
<td>1 1 4</td>
<td>No 2</td>
<td>Staging glass and framing does not have rated code required 4-hour protection at stairwell.</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>
</tr>
<tr>
<td>MB-14</td>
<td>Storm and sanitary</td>
<td>Penthouse building</td>
<td>2 2 3</td>
<td>No 1</td>
<td>One console contains 360 watts, and only three.</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>
</tr>
<tr>
<td>MB-15</td>
<td>Fire alarm</td>
<td>Penthouse building</td>
<td>2 2 3</td>
<td>No 4</td>
<td>One console contains 360 watts, and only three.</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>
</tr>
<tr>
<td>MB-16</td>
<td>Elevator service</td>
<td>Penthouse building</td>
<td>2 2 3</td>
<td>No 4</td>
<td>One console contains 360 watts, and only three.</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>
</tr>
<tr>
<td>MB-17</td>
<td>Emergency lighting</td>
<td>Main hall and mechanical rooms</td>
<td>2 2 3</td>
<td>No 4</td>
<td>Incandescent emergency lighting in areas and mechanical rooms.</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>
</tr>
<tr>
<td>MB-18</td>
<td>Restroom exhaust</td>
<td>Main hall and mechanical rooms</td>
<td>2 2 3</td>
<td>No 2</td>
<td>Restroom exhaust does not have fresh air.</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>
</tr>
<tr>
<td>MB-19</td>
<td>Water tanks</td>
<td>Main hall and mechanical rooms</td>
<td>2 2 3</td>
<td>No 4</td>
<td>Water tanks are not self-contained battery backed.</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>
</tr>
<tr>
<td>MB-20</td>
<td>Guard rail</td>
<td>G1 mechanical air room</td>
<td>2 2 3</td>
<td>No 2</td>
<td>Guard rails do not have fresh air.</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>
</tr>
<tr>
<td>MB-21</td>
<td>Elevator</td>
<td>Each elevator bank</td>
<td>Elevator rooms</td>
<td>3 3 3</td>
<td>No 3</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>
</tr>
<tr>
<td>MB-22</td>
<td>Emergency doors</td>
<td>North stair to corner</td>
<td>3 3 3</td>
<td>No 3</td>
<td>Door is self-closing and rated 1-hour.</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>
</tr>
<tr>
<td>MB-23</td>
<td>Building lighting</td>
<td>Penthouse building</td>
<td>3 3 3</td>
<td>Yes 2</td>
<td>Cooling T-12 lamps.</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>
</tr>
<tr>
<td>MB-24</td>
<td>Occupancy sensors</td>
<td>Penthouse building</td>
<td>3 3 3</td>
<td>Yes 2</td>
<td>Required for occupied areas.</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>
</tr>
</tbody>
</table>

Note: Lower score equals higher priority

1. No 1
2. No 2
3. No 3
4. No 4

<table>
<thead>
<tr>
<th>Consequences of the Problem</th>
<th>Need</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical</td>
<td>1</td>
<td>Occasional</td>
</tr>
<tr>
<td>Constant</td>
<td>1</td>
<td>Occasional</td>
</tr>
<tr>
<td>Interrupted</td>
<td>2</td>
<td>Desirable</td>
</tr>
<tr>
<td>Urgent</td>
<td>2</td>
<td>Infrequent</td>
</tr>
<tr>
<td>Deteriorated</td>
<td>3</td>
<td>Desirable</td>
</tr>
<tr>
<td>Necessary</td>
<td>3</td>
<td>Infrequent</td>
</tr>
<tr>
<td>Occasional</td>
<td>4</td>
<td>Desirable</td>
</tr>
<tr>
<td>Unacceptable</td>
<td>4</td>
<td>Infrequent</td>
</tr>
</tbody>
</table>

Note: Project Cost includes 58.3% mark-ups and fees

No. Item/Description Location Photo Item/Description Location Photo Item/Description Location Photo

MB-24 Occupancy sensors Penthouse building | | | |
MB-23 Building lighting Penthouse building | | | |
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Code</th>
<th>Notes</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-25</td>
<td>General maintenance unit</td>
<td>Throughout</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>1</td>
<td>Acoustic tile with wood</td>
<td>20,000</td>
<td>$</td>
</tr>
<tr>
<td>MB-26</td>
<td>Roof top unit</td>
<td>MI-B5</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Re-wire and add fire sprinkler</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-27</td>
<td>Air handling unit</td>
<td>G2 level mechanical room</td>
<td>MI-B2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Re-paint and add fire</td>
<td>1</td>
</tr>
<tr>
<td>MB-28</td>
<td>Air handling unit</td>
<td>G2 level mechanical room</td>
<td>MI-B3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Replace with modular unit</td>
<td>1</td>
</tr>
<tr>
<td>MB-29</td>
<td>Air handling unit</td>
<td>G2 level mechanical room</td>
<td>MI-B4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Replace with modular unit</td>
<td>1</td>
</tr>
<tr>
<td>MB-30</td>
<td>Air handling unit</td>
<td>G2 level mechanical room</td>
<td>MI-B5</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Replace with modular unit</td>
<td>1</td>
</tr>
<tr>
<td>MB-31</td>
<td>Black mirror junctions</td>
<td>MI-B6</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and repair joints</td>
<td>10</td>
<td>LS</td>
</tr>
<tr>
<td>MB-32</td>
<td>Exterior trim</td>
<td>MI-B16</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and refinish trim</td>
<td>100</td>
<td>LS</td>
</tr>
<tr>
<td>MB-33</td>
<td>Exterior doors</td>
<td>MI-B17</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and clean</td>
<td>100</td>
<td>LS</td>
</tr>
<tr>
<td>MB-34</td>
<td>Roof top unit</td>
<td>MI-B18</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>4</td>
<td>Replace with modular unit</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-35</td>
<td>Trench drain</td>
<td>MI-B19</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>4</td>
<td>Add a common exhaust and return duct.</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-36</td>
<td>Pipe insulation</td>
<td>MI-B20</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and identify pipes</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-37</td>
<td>Plaster finish</td>
<td>MI-B21</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and repair wall</td>
<td>100</td>
<td>LS</td>
</tr>
<tr>
<td>MB-38</td>
<td>Wood finish</td>
<td>MI-B22</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Paint and repair wall</td>
<td>100</td>
<td>LS</td>
</tr>
<tr>
<td>MB-39</td>
<td>Exterior doors</td>
<td>MI-B23</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-40</td>
<td>Exterior windows</td>
<td>MI-B24</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-41</td>
<td>Laminated floor</td>
<td>MI-B25</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-42</td>
<td>Center core, 5th floor</td>
<td>MB-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>60</td>
<td>LS</td>
</tr>
<tr>
<td>MB-43</td>
<td>Laminated floor</td>
<td>MI-B6</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-44</td>
<td>Trench drain</td>
<td>MI-B7</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-45</td>
<td>Trench drain</td>
<td>MI-B8</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-46</td>
<td>Center core, 5th floor</td>
<td>MB-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>60</td>
<td>LS</td>
</tr>
<tr>
<td>MB-47</td>
<td>Laminated floor</td>
<td>MI-B9</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-48</td>
<td>Trench drain</td>
<td>MI-B10</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>MB-49</td>
<td>Trench drain</td>
<td>MI-B11</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Paint and repair</td>
<td>1</td>
<td>LS</td>
</tr>
</tbody>
</table>

**Project Cost**
- **2014**
  - Architectural: $372
  - Mechanical: $385
  - Electrical: $399
  - Total: $413
- **2015**
  - Architectural: $390
  - Mechanical: $411
  - Electrical: $427
  - Total: $448
- **2016**
  - Architectural: $400
  - Mechanical: $419
  - Electrical: $430
  - Total: $454
- **2017**
  - Architectural: $412
  - Mechanical: $436
  - Electrical: $443
  - Total: $460

**Note:** Project Cost includes 58.3% mark-ups and fees.

**Unit Cost Subtotal:**
- **2014:** $154,449
- **2015:** $159,855
- **2016:** $165,449
- **2017:** $171,240

**Grand Rapids Community College**
- Year: 2017
- Building: 143 Brother's NE
- Location: 5th floor
- Project: $2014
- Project: $2015
- Project: $2016
- Project: $2017

**Note:** Unit cost based on 2010 pricing.

**Architectural:**
- **2014:** $372
- **2015:** $385
- **2016:** $399
- **2017:** $413

**Mechanical:**
- **2014:** $385
- **2015:** $411
- **2016:** $427
- **2017:** $448

**Electrical:**
- **2014:** $399
- **2015:** $427
- **2016:** $443
- **2017:** $460

**Grand Rapids Community College**
- Year: 2017
- Building: 143 Brother's NE
- Location: 5th floor
- Project: $2014
- Project: $2015
- Project: $2016
- Project: $2017

**Note:** Unit cost based on 2010 pricing.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Note</th>
<th>Priority</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-51</td>
<td>Service entrance metering</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>$ 7,160.00</td>
<td>7,160</td>
</tr>
<tr>
<td>MB-52</td>
<td>UVK boxes</td>
<td>Board Room 500</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>12</td>
<td>$ 150,588</td>
</tr>
<tr>
<td>MB-53</td>
<td>Bldm</td>
<td>Boiler Room 23</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>$ 20,000.00</td>
<td>20,000</td>
</tr>
<tr>
<td>MB-54</td>
<td>Bldm and tenants</td>
<td>Throughout</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>2</td>
<td>26</td>
<td>$ 22,816</td>
</tr>
<tr>
<td>MB-55</td>
<td>Paint booth</td>
<td>G1 Room 14</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>1</td>
<td>$ 10,450.00</td>
</tr>
<tr>
<td>MB-56</td>
<td>Exterior doors</td>
<td>Receiving room, Board first storage - south elevation</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>3</td>
<td>2</td>
<td>$ 176</td>
</tr>
<tr>
<td>MB-57</td>
<td>Roof top unit</td>
<td>Roof center</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>4</td>
<td>1</td>
<td>$ 20,000.00</td>
</tr>
<tr>
<td>MB-58</td>
<td>Roof top unit-1</td>
<td>Print shop roof</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>1</td>
<td>$ 18,000.00</td>
</tr>
<tr>
<td>MB-59</td>
<td>Roof top unit-2</td>
<td>Print shop roof</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>1</td>
<td>$ 18,000.00</td>
</tr>
<tr>
<td>MB-60</td>
<td>Roof top unit-3</td>
<td>Print shop roof</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>1</td>
<td>$ 12,500.00</td>
</tr>
<tr>
<td>MB-61</td>
<td>Pin tube</td>
<td>G2 Level east stair well</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>1</td>
<td>$ 12,500.00</td>
</tr>
<tr>
<td>MB-62</td>
<td>Re-pipe sinks</td>
<td>Photo Labs 431 and Photo Labs 432</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>6</td>
<td>$ 7,371</td>
</tr>
<tr>
<td>MB-63</td>
<td>Exhaust fan</td>
<td>Room 405 art locker</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>3</td>
<td>1</td>
<td>$ 10,000.00</td>
</tr>
<tr>
<td>MB-64</td>
<td>Roof drain</td>
<td>Roof</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>4</td>
<td>$ 2,457</td>
</tr>
<tr>
<td>MB-65</td>
<td>Water coolers</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>1</td>
<td>4</td>
<td>$ 24,071</td>
</tr>
<tr>
<td>MB-66</td>
<td>BF toilet room access</td>
<td>West, second and south</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>No</td>
<td>2</td>
<td>5</td>
<td>$ 4,500.00</td>
</tr>
</tbody>
</table>

**Total Unit Cost Subtotal:**

$ 1,037,360

Grand Rapids Community College
5-Year Capital Outlay Plan
October 2, 2012

**Building Deficiencies Plotted by Category:**

<table>
<thead>
<tr>
<th>Frequency of Use</th>
<th>Need</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical</td>
<td>1</td>
<td>Hazard</td>
</tr>
<tr>
<td>Constant</td>
<td>1</td>
<td>Deterioration</td>
</tr>
<tr>
<td>Frequent</td>
<td>2</td>
<td>Interruption</td>
</tr>
<tr>
<td>Meager</td>
<td>3</td>
<td>Interruption</td>
</tr>
<tr>
<td>ADA</td>
<td>4</td>
<td>Intermittent</td>
</tr>
</tbody>
</table>

**Year Built:** 1922 (1929 major addition)

**Bldg. Area:** 210,475 SF

**Notes:** Lower score equals higher priority.

**Unit Cost:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 2,694,668</td>
<td>$ 2,792,062</td>
<td>$ 2,888,778</td>
<td>$ 2,985,478</td>
</tr>
</tbody>
</table>

**Exhibit:**

- Uplifted based on 2010 sizing
- Project Cost includes 58.7% mark-ups and fees
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Description</th>
<th>Score</th>
<th>Energy Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Foundation walls</td>
<td>Basement</td>
<td>MH-1</td>
<td>2</td>
<td>No 3 Blockable wall mortar gaps are disintegrating</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>Repair foundation walls on the interior side where exposed.</td>
<td>1,000</td>
<td>$ 4.00</td>
<td>$ 4,000</td>
<td>$ 4,000</td>
</tr>
<tr>
<td>2</td>
<td>East signages</td>
<td>Throughout house</td>
<td>2</td>
<td>3</td>
<td>No 2</td>
<td>Add replace with LED wall lights.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Add replace with LED wall lights.</td>
<td>11</td>
<td>$ 3.05</td>
<td>$ 33.55</td>
</tr>
<tr>
<td>3</td>
<td>Emergency lighting</td>
<td>Throughout house</td>
<td>2</td>
<td>3</td>
<td>No 2</td>
<td>Add replace to meet code requirements.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Add emergency lighting.</td>
<td>25</td>
<td>$ 40.00</td>
<td>$ 1,000</td>
</tr>
<tr>
<td>4</td>
<td>Domestic water pipe</td>
<td>Throughout house</td>
<td>3</td>
<td>3</td>
<td>No 1</td>
<td>Galvanized pipe is corroding.</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>Replace all kitchen drain pipe with copper or cast iron.</td>
<td>2,500</td>
<td>$ 8.250</td>
<td>$ 21,625</td>
</tr>
<tr>
<td>5</td>
<td>Kitchen/dish sink</td>
<td>Basement</td>
<td>MH-3</td>
<td>3</td>
<td>3</td>
<td>No 1</td>
<td>Sinks drain are contaminated by galvanized and PVC.</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>Replace all kitchen drain pipe with copper or cast iron.</td>
<td>1</td>
<td>$ 2,000.00</td>
</tr>
<tr>
<td>6</td>
<td>Hot water heater</td>
<td>Basement</td>
<td>MH-2</td>
<td>3</td>
<td>3</td>
<td>Yes 1</td>
<td>Add gas boiler to reheat water.</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Replace new high efficiency boiler - 200 MBH.</td>
<td>1</td>
<td>$ 7,350.00</td>
</tr>
<tr>
<td>7</td>
<td>Exterior walls</td>
<td>South side of building</td>
<td>MH-4</td>
<td>3</td>
<td>3</td>
<td>No 3</td>
<td>Concrete above basement window is exposed.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Repair concrete wall.</td>
<td>1</td>
<td>$ 150.00</td>
</tr>
<tr>
<td>8</td>
<td>Offices/spaces</td>
<td>Kitchen, toilet rooms</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>No 3</td>
<td>No GFCI protected breakers.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace all kitchen drain pipe with copper or cast iron.</td>
<td>6</td>
<td>$ 100.00</td>
</tr>
<tr>
<td>9</td>
<td>Fire alarm system</td>
<td>Throughout house</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>No 4</td>
<td>The Fire Alarm System is obsolete and does not meet current code requirements.</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Remove existing fire alarm system and install new fire alarm system.</td>
<td>5,179</td>
<td>$ 8.069</td>
</tr>
<tr>
<td>10</td>
<td>Elevator</td>
<td>South side of building</td>
<td>MH-5</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>No 3</td>
<td>Elevator control panel system - condition - can not be worked upon.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace the elevator control panel unit.</td>
<td>150</td>
</tr>
<tr>
<td>11</td>
<td>Automatic (roll down) controls</td>
<td>Throughout house</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>Yes 2</td>
<td>Smoke to meet code, shut off light, and light capped rooms.</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>Add occupancy sensors (wireless type).</td>
<td>20</td>
<td>$ 5.00</td>
</tr>
<tr>
<td>12</td>
<td>Main service circuit breaker</td>
<td>Basement</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No 3</td>
<td>All single pole MOU switches and 200-300A circuit breakers and (QF) breakers.</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>Add main circuit breaker.</td>
<td>1</td>
<td>$ 950.00</td>
</tr>
<tr>
<td>13</td>
<td>Elevator rooms</td>
<td>4th floor</td>
<td>MH-6</td>
<td>4</td>
<td>4</td>
<td>No 3</td>
<td>Elevator rooms are not accessible.</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Replace the elevator doors.</td>
<td>300</td>
<td>$ 1.125</td>
</tr>
<tr>
<td>14</td>
<td>Air conditioning</td>
<td>4th floor</td>
<td>MH-7</td>
<td>4</td>
<td>4</td>
<td>No 1</td>
<td>Unit is not working.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace the air conditioning unit.</td>
<td>1</td>
<td>$ 4,500.00</td>
</tr>
<tr>
<td>15</td>
<td>Air conditioning 2nd floor</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No 3</td>
<td>Unit has not AC in the office.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Add new AC, unit in the roof and duct work.</td>
<td>1</td>
<td>$ 15,000</td>
<td>$ 15,000</td>
</tr>
<tr>
<td>16</td>
<td>Elevator work 5th floor</td>
<td>All elevators</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>Yes 3</td>
<td>Elevator work 5th floor is obstructed.</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Add GFI protected outlet at 5th floor.</td>
<td>1</td>
<td>$ 18,700.00</td>
</tr>
<tr>
<td>17</td>
<td>Bathroom/toilet rooms</td>
<td>4th floor</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>No 3</td>
<td>Toilet room flusher is broken.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Add gumbus, RF toilet seat, and toilet door hardware.</td>
<td>1</td>
<td>$ 550.00</td>
</tr>
<tr>
<td>18</td>
<td>Hot water piping</td>
<td>EHNN-11</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>Yes 1</td>
<td>Much of the existing piping is uninstalled.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Replace approximately 100 ft of 1-1/2” pipe and identify pipe.</td>
<td>100</td>
<td>$ 9.50</td>
</tr>
<tr>
<td>19</td>
<td>Elevator work 6th floor</td>
<td>All elevators</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes 3</td>
<td>Elevator work 6th floor is obstructed.</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Add GFI protected outlet at 6th floor.</td>
<td>23</td>
<td>$ 36.80</td>
</tr>
</tbody>
</table>

**Project Cost**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$ 229,951</td>
<td>$ 227,989</td>
<td>$ 246,320</td>
<td>$ 254,950</td>
<td>$ 263,874</td>
<td>$ 273,000</td>
</tr>
</tbody>
</table>
## Grand Rapids Community College
### 5-Year Capital Outlay Plan
#### October 2, 2012

### Music Center

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Code</th>
<th>Notes</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Project Cost 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC-2</td>
<td>Auditorium handrails 2nd floor Rec. Hall</td>
<td>MC-4</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>No</td>
<td>2</td>
<td>Handrails do not provide proper graspability.</td>
<td>55</td>
</tr>
<tr>
<td>MC-4</td>
<td>Emergency lighting Throughout building</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>No</td>
<td>4</td>
<td>Minimal/intermittent lighting in corridors and windowless areas</td>
<td>45</td>
<td>$ 367.50</td>
</tr>
<tr>
<td>MC-5</td>
<td>Soil drainage Throughout building</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>No</td>
<td>4</td>
<td>To comply with code requirements.</td>
<td>12</td>
<td>$ 275.00</td>
</tr>
<tr>
<td>MC-6</td>
<td>34kVA interruptible power supply (IPS, emergency lighting, battery system) 1st floor</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>No</td>
<td>4</td>
<td>IPS serves emergency lighting.</td>
<td>1</td>
<td>$ 10,000.00</td>
</tr>
<tr>
<td>MC-7</td>
<td>Exterior window perimeter sealant All elevators</td>
<td>MC-8</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Sealants are cracked and deteriorated.</td>
<td>1,800</td>
</tr>
<tr>
<td>MC-8</td>
<td>Insufficient airflow Room 204</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Dispace active warm.</td>
<td>1</td>
<td>$ 4,070.00</td>
</tr>
<tr>
<td>MC-9</td>
<td>Air handling units Throughout building</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Ducting units are undersized.</td>
<td>35,000</td>
<td>$ 38,500</td>
</tr>
<tr>
<td>MC-10</td>
<td>Mechanical penthouse MC-10</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Ducting single zone unit is undersized.</td>
<td>1</td>
<td>$ 26,000.00</td>
</tr>
<tr>
<td>MC-11</td>
<td>Carpentry Rec. bldg</td>
<td>MC-5</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>No</td>
<td>Door frames are damaged.</td>
<td>100</td>
</tr>
<tr>
<td>MC-13</td>
<td>Exterior brick South elevation below windows</td>
<td>MC-9</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>Brick is deteriorated.</td>
<td>50</td>
</tr>
<tr>
<td>MC-14</td>
<td>Lighting Throughout building</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Heavily T-5 lamps</td>
<td>270</td>
<td>$ 673.00</td>
</tr>
<tr>
<td>MC-15</td>
<td>Auditorium seating 2nd floor Rec. Hall</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>3</td>
<td>Seats are in poor condition. Several are broken, antique no longer available.</td>
<td>146</td>
</tr>
<tr>
<td>MC-16</td>
<td>Interior doors Throughout building</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Door sound seals are deteriorated.</td>
<td>10</td>
</tr>
<tr>
<td>MC-17</td>
<td>Interior doors Throughout building</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Door style door hardware does not meet barrier free requirements.</td>
<td>57</td>
</tr>
<tr>
<td>MC-18</td>
<td>Interior doors Throughout building MC-1</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Plastic laminate doors are deteriorating.</td>
<td>10</td>
</tr>
<tr>
<td>MC-19</td>
<td>Interior doors Southeast door closer to corridor, all floors</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Doors are missing face and hardware.</td>
<td>8</td>
</tr>
<tr>
<td>MC-20</td>
<td>Automatic (off) lighting control Throughout building</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>Yes</td>
<td>2</td>
<td>Update to meet code, due to light levels and unoccupied rooms.</td>
<td>1</td>
<td>$ 36,399.00</td>
</tr>
<tr>
<td>MC-22</td>
<td>Transformer maintenance 1st floor</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>2</td>
<td>Transformer housing on 1000 KVA 480/208/120V transformer.</td>
<td>1</td>
</tr>
</tbody>
</table>
### Grand Rapids Community College
#### 5-Year Capital Outlay Plan

**Music Center**

- **Address:** 142 Ransom NE
- **Bldg. Area:** 34,802 SF
- **No. of Floors:** 3 (plus mechanical penthouse)
- **Year Built:** 1930
- **Date:** 1/20/2010

**Building Deficiencies**

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Notes</th>
<th>Action</th>
<th>Qty</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC-23 Stair handrails</td>
<td>Southwest stair</td>
<td>4 4 4</td>
<td>No 2</td>
<td>Paint is chipped and worn.</td>
<td>Paint handrails</td>
<td>100</td>
<td>$1.50</td>
<td>$150</td>
</tr>
<tr>
<td>MC-24 Toilet flush valves</td>
<td>Toilet rooms</td>
<td>4 4 4</td>
<td>No 2</td>
<td>Existing toilets do not have auto flush valves.</td>
<td>Install new auto flush valves</td>
<td>13</td>
<td>$65</td>
<td>$845</td>
</tr>
<tr>
<td>MC-25 Liebert condenser</td>
<td>Roof</td>
<td>4 4 4</td>
<td>Yes 3</td>
<td>Existing condenser is in fair to poor condition.</td>
<td>Replace with like and kind.</td>
<td>1</td>
<td>$12,000</td>
<td>$12,000</td>
</tr>
<tr>
<td>MC-26 Water coolers</td>
<td>Throughout building</td>
<td>4 4 4</td>
<td></td>
<td>Older water fountains are in poor condition.</td>
<td>Replace with bi-level electric water coolers.</td>
<td>2</td>
<td>$6,000</td>
<td>$12,000</td>
</tr>
<tr>
<td>MC-27 Elevator</td>
<td>South side of building</td>
<td>4 4 5</td>
<td>No 3</td>
<td>No visual or audible signals. Car call buttons exceed 48” maximum height.</td>
<td>Provide visual and audible signals and car control panel.</td>
<td>1</td>
<td>$24,200</td>
<td>$24,200</td>
</tr>
<tr>
<td>MC-28 Toilet accessories</td>
<td>Men's/toilet room, first and second floors</td>
<td>4 4 5</td>
<td>No 2</td>
<td>Toilet stall lacks grab bar on one side.</td>
<td>Adds grab bar</td>
<td>3</td>
<td>$55.00</td>
<td>$165</td>
</tr>
<tr>
<td>MC-29 Toilet accessories</td>
<td>All toilet rooms</td>
<td>4 4 5</td>
<td>No 2</td>
<td>Supertall dispensers mounting height does not meet BF requirements.</td>
<td>Lower dispensers to 48” HFT.</td>
<td>6</td>
<td>$30.00</td>
<td>$180</td>
</tr>
</tbody>
</table>

**Notes:** Lower score equals higher priority

<table>
<thead>
<tr>
<th>Priority</th>
<th>Consequences of the Problem</th>
<th>Need</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Interruption</td>
<td>2. Urgent</td>
<td>2. Frequent</td>
<td></td>
</tr>
</tbody>
</table>

**Unit Cost**

- **Subtotal Unit Cost:** $3,095,536
- **2018 Project Cost:** $3,095,536
- **2019 Project Cost:** $3,095,536
- **2020 Project Cost:** $3,095,536
- **2021 Project Cost:** $3,095,536
- **2022 Project Cost:** $3,095,536
- **2023 Project Cost:** $3,095,536
### Practice Field Service Building

**Address:** Corner of Crescent and Barclay NE  
**Bldg. Area:** 711 SF  
**No. of Floors:** 1  
**Year Built:** Unknown  
**Evaluation Date:** 2/12/2010

#### Building Deficiencies

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Consequence of the Problem

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$86,281</td>
</tr>
<tr>
<td>2015</td>
<td>$89,301</td>
</tr>
<tr>
<td>2016</td>
<td>$92,426</td>
</tr>
<tr>
<td>2017</td>
<td>$95,661</td>
</tr>
<tr>
<td>2018</td>
<td>$99,009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$440</td>
</tr>
<tr>
<td>2015</td>
<td>$220</td>
</tr>
<tr>
<td>2016</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

### Notes

- Unit cost based on 2010 pricing.
- Project Cost includes 58.3% mark-ups and fees.

---

**Address:** Corner of Crescent and Barclay NE  
**Bldg. Area:** 711 SF  
**No. of Floors:** 1  
**Year Built:** Unknown  
**Evaluation Date:** 2/12/2010

#### Building Deficiencies

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Consequence of the Problem

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$86,281</td>
</tr>
<tr>
<td>2015</td>
<td>$89,301</td>
</tr>
<tr>
<td>2016</td>
<td>$92,426</td>
</tr>
<tr>
<td>2017</td>
<td>$95,661</td>
</tr>
<tr>
<td>2018</td>
<td>$99,009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$440</td>
</tr>
<tr>
<td>2015</td>
<td>$220</td>
</tr>
<tr>
<td>2016</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

### Notes

- Unit cost based on 2010 pricing.
- Project Cost includes 58.3% mark-ups and fees.

---

**Address:** Corner of Crescent and Barclay NE  
**Bldg. Area:** 711 SF  
**No. of Floors:** 1  
**Year Built:** Unknown  
**Evaluation Date:** 2/12/2010

#### Building Deficiencies

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Consequence of the Problem

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Const.</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-1</td>
<td>Wood fascia/soffit</td>
<td>Entire building</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>$440</td>
</tr>
<tr>
<td>PF-2</td>
<td>Lighting wall switch</td>
<td>North entrance door</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>No</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>$220</td>
</tr>
<tr>
<td>PF-3</td>
<td>Toilet facilities</td>
<td>Indoor</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>No</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$12,000</td>
</tr>
</tbody>
</table>

#### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$86,281</td>
</tr>
<tr>
<td>2015</td>
<td>$89,301</td>
</tr>
<tr>
<td>2016</td>
<td>$92,426</td>
</tr>
<tr>
<td>2017</td>
<td>$95,661</td>
</tr>
<tr>
<td>2018</td>
<td>$99,009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$440</td>
</tr>
<tr>
<td>2015</td>
<td>$220</td>
</tr>
<tr>
<td>2016</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

### Notes

- Unit cost based on 2010 pricing.
- Project Cost includes 58.3% mark-ups and fees.
### Grand Rapids Community College
#### 5-Year Capital Outlay Plan
October 2, 2012

**Address:** 435 E. Fulton
**Bldg. Area:** 88,620 SF
**No. of Floors:** 3 + basement
**Year Built:** 1965/1983
**Occupancy Date:** 12/9/2003

### Building Deficiencies Plannable by Category:

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Notes</th>
<th>Action</th>
<th>Unit Cost Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-6</td>
<td>Exterior door all</td>
<td>SH3</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>No 2 Process has completed at all doors, exceeds barrier feature requirements.</td>
</tr>
<tr>
<td>SA-7</td>
<td>Signage</td>
<td>SH2</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>No 2 As per SF requirement</td>
</tr>
<tr>
<td>SA-9</td>
<td>Roof drainage</td>
<td>SH1-2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>SA-10</td>
<td>Convert 2-pipe system to 4-pipe system</td>
<td>SH1-2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>SA-11</td>
<td>HVAC BAS</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>SA-12</td>
<td>Exterior metal wall panels</td>
<td>SH4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>SA-13</td>
<td>Exterior brick screen</td>
<td>SH4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>SA-14</td>
<td>Exterior weather joints</td>
<td>SH4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>SA-15</td>
<td>Reinforced concrete</td>
<td>Throughout building</td>
<td>SH4</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SA-16</td>
<td>Roof insulation</td>
<td>Roof of north addition</td>
<td>SH1-2</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SA-17</td>
<td>Roof insulation</td>
<td>Roof of north addition</td>
<td>SH1-2</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SA-18</td>
<td>Carpet</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>SA-19</td>
<td>Exterior wood doors</td>
<td>Throughout building</td>
<td>SH4</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SA-21</td>
<td>Exterior stair railings</td>
<td>Throughout building</td>
<td>SH2-3</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>SA-22</td>
<td>Exterior air conditioners</td>
<td>Exterior area of Room 12</td>
<td>SH2-3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SA-23</td>
<td>Vertical ventilation</td>
<td>Rooms 119-123</td>
<td>SH2-3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SA-24</td>
<td>Fire tube radiant heat</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SA-25</td>
<td>Lighting</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SA-26</td>
<td>Control panel and stand</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SA-27</td>
<td>Occupancy sensors</td>
<td>Throughout building</td>
<td>SH1-5</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

### Consequences of the Problem

- 1. Hazard
- 2. Interruption
- 3. Deterioration
- 4. Utility
- 5. Energy

### Need

- 1. Critical
- 2. Urgent
- 3. Necessary
- 4. Desirable
- 5. Meager

### Frequency of Use

- 1. Interruption
- 2. Urgent
- 3. Frequent
- 4. Occasional

### Project Cost

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Cost</td>
<td>2,222,100</td>
<td>2,371,188</td>
<td>2,459,360</td>
</tr>
<tr>
<td>2017 Project Cost</td>
<td>3,003,887</td>
<td>3,003,887</td>
<td>3,003,887</td>
</tr>
</tbody>
</table>

### Note

- Project Cost includes 5% markup and fees.
- Unit cost based on 2010 pricing.
# Grand Rapids Community College
## 5-Year Capital Outlay Plan
### Sneden Academic Building

**Address:** 435 E. Fulton
**Building Area:** 88,820 SF
**No. of Floors:** 3 + basement
**Year Built:** 1965/1983
**Due/Last Date:** 12/8/2009

### Building Deficiencies Plotted by Category:

<table>
<thead>
<tr>
<th>Issue Area</th>
<th>Area</th>
<th>Bldg. Area:</th>
<th>88,820 SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sneden A bdg.</td>
<td></td>
<td>3 + basement</td>
<td>1965/1983</td>
</tr>
<tr>
<td></td>
<td>12/8/2009</td>
<td>No. of Floors:</td>
<td>3 + basement</td>
</tr>
</tbody>
</table>

### Consequences of the Problem

<table>
<thead>
<tr>
<th>Need</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Heavily</td>
<td>1. Critical</td>
</tr>
<tr>
<td>2. Intermittent</td>
<td>2. Urgent</td>
</tr>
<tr>
<td>3. Occasional</td>
<td>3. Necessary</td>
</tr>
<tr>
<td>4. Infrquent</td>
<td>4. Desirable</td>
</tr>
</tbody>
</table>

### Deficiencies Priorities by Category:

<table>
<thead>
<tr>
<th>Bldg. Area:</th>
<th>Consequences of the Problem</th>
<th>Need</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>88,820 SF</td>
<td>1. Hazards</td>
<td>1. Critical</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Interruption</td>
<td>2. Urgent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Deterioration</td>
<td>3. Necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Utility</td>
<td>4. Desirable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Energy</td>
<td>5. ADA</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
- Lower score equals higher priority
- Project Cost includes 58.3% mark-ups and fees
- Unit cost based on 2010 pricing

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Priority</th>
<th>Score</th>
<th>Energy</th>
<th>Frequency</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-28</td>
<td>Passenger elevator</td>
<td>South central</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>1</td>
<td>Car control height is not barrier free. Lower car controls.</td>
<td>1</td>
<td>LS</td>
<td>$18,000.00</td>
<td>$18,000</td>
</tr>
<tr>
<td>SA-29</td>
<td>Bidet fixtures</td>
<td>Men’s toilet first, second and third floors</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>No</td>
<td>Bidet height is not at barrier free level. Lower bidet.</td>
<td>3</td>
<td>EA</td>
<td>$3,160.00</td>
<td>$3,160</td>
</tr>
<tr>
<td>SA-30</td>
<td>Electric water coolers</td>
<td>Second and third floors</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>No</td>
<td>No barrier free water coolers provided. Provide 3 water coolers.</td>
<td>3</td>
<td>EA</td>
<td>$5,300.00</td>
<td>$5,300</td>
</tr>
<tr>
<td>SA-31</td>
<td>Exterior windows</td>
<td>Original south building SH-4</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>No</td>
<td>Windows are single glazed without thermal breaks. Replace with aluminum windows with insulating glass.</td>
<td>3,250</td>
<td>SF</td>
<td>$55.00</td>
<td>$178,750</td>
</tr>
<tr>
<td>SA-32</td>
<td>Display cases</td>
<td>Third floor, north end of connector corridor &amp; second floor SE corridor</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>No</td>
<td>BF protruding object due to excessive height above floor and depth. Add wing walls to each side.</td>
<td>2</td>
<td>LS</td>
<td>$200.00</td>
<td>$400</td>
</tr>
<tr>
<td>SA-33</td>
<td>Bath valves and faucets</td>
<td>Men’s, second and third floor toilet rooms</td>
<td></td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>No</td>
<td>Bath valves are manual. Update values and fixtures to College standard automatic fixtures.</td>
<td>10</td>
<td>EA</td>
<td>$300.00</td>
<td>$3,000</td>
</tr>
</tbody>
</table>

**Total Cost:** $1,611,865 | $1,771,130 | $1,900,366 | $2,022,360 | $2,192,276
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Priority</th>
<th>Comments</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Notes</th>
<th>Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Substation</td>
<td>Basement</td>
<td>1</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>2</td>
<td>Substation</td>
<td>Basement</td>
<td>1</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>3</td>
<td>Exit signage</td>
<td>Corridors</td>
<td>1</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>4</td>
<td>Emergency lighting</td>
<td>Interior windows, mechanical rooms, or electrical rooms</td>
<td>1</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>5</td>
<td>Fire Sprinkler</td>
<td>Second floor mechanical room</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>6</td>
<td>Exhaust fan</td>
<td>Basement Substation</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>7</td>
<td>Exterior window</td>
<td>Administrative areas</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>8</td>
<td>Building wall sheathing</td>
<td>North and west elevators</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>9</td>
<td>Building automation system</td>
<td>Throughout</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>10</td>
<td>Refrigeration</td>
<td>Lower level closet</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>11</td>
<td>Ductwork</td>
<td>Throughout</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>12</td>
<td>Exterior window</td>
<td>Administration areas</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>13</td>
<td>Exterior window</td>
<td>Administrative areas</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
<tr>
<td>14</td>
<td>Exterior window</td>
<td>Administrative areas</td>
<td>3</td>
<td>Sucked</td>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>4</td>
<td>LS</td>
<td>$105.00</td>
<td>4 $100</td>
</tr>
</tbody>
</table>

**Notes:** Lower score equals higher priority

**Project Cost:** includes 58.3% mark-ups and fees

**Address:** 360 Fountain NE
**Bldg. Area:** 33,270 SF
**No. of Floors:** 3
**Year Built:** 1997
**Last Evaluated:** 11/15/2010

---

**Spectrum Theater**

**Consequences of the Problem**

1. Critical
2. Significant
3. Moderate
4. Minor
5. Negligible
6. ADA
7. Maintenance
8. Repair
9. Replacement

**Frequency of Use**

1. Constant
2. Frequent
3. Occasional
4. Rarely
5. Intermittent
6. Never

---

**Architectural**

- **2015 Project Cost:** $163,758
- **2016 Project Cost:** $169,489
- **2017 Project Cost:** $175,422
- **2018 Project Cost:** $181,561

**Mechanical**

- **2015 Project Cost:** $163,758
- **2016 Project Cost:** $169,489
- **2017 Project Cost:** $175,422
- **2018 Project Cost:** $181,561

---

**Project Cost**

- **2015 Project Cost:** $163,758
- **2016 Project Cost:** $169,489
- **2017 Project Cost:** $175,422
- **2018 Project Cost:** $181,561
<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Photo</th>
<th>Priority</th>
<th>Cons.</th>
<th>Note</th>
<th>Score</th>
<th>Energy</th>
<th>Risk</th>
<th>Priority</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-3</td>
<td>Fire alarm system</td>
<td>Throughout building</td>
<td>2 3 3</td>
<td>No</td>
<td>4</td>
<td>No alarm system is available and does not meet code.</td>
<td>Replace existing alarm system and install new fire alarm system.</td>
<td>64,575</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>1.50</td>
<td>$46,863</td>
<td>$71,003</td>
</tr>
<tr>
<td>SC-4</td>
<td>Emergency lighting</td>
<td>Throughout building</td>
<td>2 3 3</td>
<td>No</td>
<td>4</td>
<td>No plate to meet code requirements.</td>
<td>Add emergency lighting.</td>
<td>64,575</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>0.80</td>
<td>$3,997</td>
<td>$4,894</td>
</tr>
<tr>
<td>SC-5</td>
<td>Exit signage</td>
<td>Throughout building</td>
<td>2 3 3</td>
<td>No</td>
<td>4</td>
<td>No plate to meet code requirements.</td>
<td>Add exit signs.</td>
<td>0</td>
<td>$</td>
<td>$</td>
<td>GA</td>
<td>275.00</td>
<td>$1,200</td>
<td>$1,200</td>
</tr>
<tr>
<td>SC-7</td>
<td>Building lighting</td>
<td>Approximately (200#) of building</td>
<td>3 3 3</td>
<td>Yes</td>
<td>2</td>
<td>Presently T-12 lamps.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>20,000</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>2.50</td>
<td>$50,000</td>
<td>$77,755</td>
</tr>
<tr>
<td>SC-8</td>
<td>Exit window sash maintenance and concrete awl and glass panel</td>
<td>All windows</td>
<td>3 3 3</td>
<td>No</td>
<td>2</td>
<td>Glazed cracked and deteriorated.</td>
<td>Sealant.</td>
<td>900</td>
<td>US</td>
<td>$</td>
<td>$</td>
<td>5.00</td>
<td>$4,700</td>
<td>$8,137</td>
</tr>
<tr>
<td>SC-9</td>
<td>Sealed joint between building and sidewalk</td>
<td>Building perimeter</td>
<td>3 3 3</td>
<td>No</td>
<td>2</td>
<td>Glazed cracked and deteriorated.</td>
<td>Sealant.</td>
<td>200</td>
<td>US</td>
<td>$</td>
<td>$</td>
<td>6.30</td>
<td>$1,260</td>
<td>$2,211</td>
</tr>
<tr>
<td>SC-11</td>
<td>Floor drain</td>
<td>Kitchen - second floor</td>
<td>3 3 3</td>
<td>No</td>
<td>1</td>
<td>Drain line is in poor condition.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>10</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>968.00</td>
<td>$9,680</td>
<td>$16,899</td>
</tr>
<tr>
<td>SC-12</td>
<td>Water main backflow preventer</td>
<td>Mechanical Room 27</td>
<td>3 3 3</td>
<td>No</td>
<td>1</td>
<td>Origin valve is leaky.</td>
<td>Install occupancy sensors.</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>1,131.00</td>
<td>$3,199</td>
<td>$3,500</td>
</tr>
<tr>
<td>SC-13</td>
<td>Fire protection line</td>
<td>Mechanical Room 27</td>
<td>3 3 3</td>
<td>No</td>
<td>5</td>
<td>Existing line has only one check valve - code requires two.</td>
<td>Install two check valves.</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>1,771.00</td>
<td>$3,199</td>
<td>$1,771</td>
</tr>
<tr>
<td>SC-14</td>
<td>Heat exchanger</td>
<td>Mechanical Room 27</td>
<td>3 3 3</td>
<td>No</td>
<td>1</td>
<td>Current service is expensive to replace.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>2,060.00</td>
<td>$2,060</td>
<td>$2,060</td>
</tr>
<tr>
<td>SC-15</td>
<td>Kitchen exhaust</td>
<td>Kitchen</td>
<td>3 3 3</td>
<td>No</td>
<td>1</td>
<td>Kitchen is on make-up air.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>1</td>
<td>LS</td>
<td>$</td>
<td>$</td>
<td>18,703.00</td>
<td>$18,703</td>
<td>$32,820</td>
</tr>
<tr>
<td>SC-16</td>
<td>Terra cotta concrete pavers</td>
<td>Second floor</td>
<td>3 3 3</td>
<td>No</td>
<td>3</td>
<td>Concrete pavers are cracked and deteriorated.</td>
<td>Replace concrete pavers.</td>
<td>150</td>
<td>US</td>
<td>$</td>
<td>$</td>
<td>4.50</td>
<td>$675</td>
<td>$1,185</td>
</tr>
<tr>
<td>SC-17</td>
<td>Terra cotta walkway and wall</td>
<td>Second floor</td>
<td>3 3 3</td>
<td>No</td>
<td>3</td>
<td>Concrete is cracked and deteriorated.</td>
<td>Replace concrete walkway, painted concrete.</td>
<td>70</td>
<td>US</td>
<td>$</td>
<td>$</td>
<td>50.00</td>
<td>$3,500</td>
<td>$6,143</td>
</tr>
<tr>
<td>SC-18</td>
<td>Exterior window wall</td>
<td>South stair between second floor and first floor walkways</td>
<td>3 3 3</td>
<td>No</td>
<td>2</td>
<td>Water is leaking through exterior wall.</td>
<td>Up to airtight concrete walls.</td>
<td>1</td>
<td>LS</td>
<td>$</td>
<td>$</td>
<td>850.00</td>
<td>$1,413</td>
<td>$1,413</td>
</tr>
<tr>
<td>SC-19</td>
<td>Exterior entrance door frame and sidelight</td>
<td>Exterior entrance</td>
<td>3 3 3</td>
<td>No</td>
<td>2</td>
<td>Door and frames are in poor condition.</td>
<td>Replace door/frames and sidelights.</td>
<td>1</td>
<td>LS</td>
<td>$</td>
<td>$</td>
<td>7,000.00</td>
<td>$7,000</td>
<td>$12,286</td>
</tr>
<tr>
<td>SC-20</td>
<td>Exhaust fan</td>
<td>Roof</td>
<td>3 3 3</td>
<td>No</td>
<td>1</td>
<td>General exhaust fan is in poor condition.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>3,000.00</td>
<td>$6,000</td>
<td>$10,531</td>
</tr>
<tr>
<td>SC-21</td>
<td>Kitchen walk-in refrigeration</td>
<td>Kitchen - second floor</td>
<td>3 3 4</td>
<td>No</td>
<td>3</td>
<td>Kitchen is run-down and ailing.</td>
<td>Replace walk-in refrigeration.</td>
<td>100</td>
<td>US</td>
<td>$</td>
<td>$</td>
<td>143.00</td>
<td>$7,150</td>
<td>$146,551</td>
</tr>
<tr>
<td>SC-22</td>
<td>Yellow metal door frame</td>
<td>Second floor</td>
<td>3 3 4</td>
<td>No</td>
<td>4</td>
<td>Doors and frames are in poor condition.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>1,500.00</td>
<td>$4,500</td>
<td>$7,998</td>
</tr>
<tr>
<td>SC-23</td>
<td>Automatic (off lighting) control</td>
<td>Throughout building</td>
<td>3 5 3</td>
<td>Yes</td>
<td>4</td>
<td>Room to meet code.</td>
<td>Replace unit and new lighting.</td>
<td>64,575</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>1.00</td>
<td>$73,000</td>
<td>$138,449</td>
</tr>
<tr>
<td>SC-24</td>
<td>Power logic utility meter</td>
<td>Basement</td>
<td>4 4 4</td>
<td>No</td>
<td>2</td>
<td>Non-functioning utility meter on secondary service line.</td>
<td>Replace with Square D Power Logic meter.</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
<td>5,500.00</td>
<td>$5,500</td>
<td>$10,941</td>
</tr>
<tr>
<td>SC-25</td>
<td>Replace panelboards</td>
<td>Throughout building</td>
<td>4 4 4</td>
<td>No</td>
<td>2</td>
<td>Panelboards are out of date.</td>
<td>Replace with T-8 lamps and fluorescent.</td>
<td>1</td>
<td>LS</td>
<td>$</td>
<td>$</td>
<td>96,250.00</td>
<td>$96,250</td>
<td>$168,928</td>
</tr>
</tbody>
</table>

Note: Lower score equals higher priority

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
<tr>
<td>$122,488</td>
<td>$127,113</td>
<td>$131,797</td>
<td>$136,537</td>
<td>$141,341</td>
</tr>
</tbody>
</table>
Grand Rapids Community College
5-Year Capital Outlay Plan

Student Center

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-26</td>
<td>Folding partition</td>
<td>Multi-Purpose Room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>3</td>
<td>Building is in poor condition.</td>
<td>Replace folding partition.</td>
<td>575 SF</td>
<td>$47.30</td>
<td>$27,198</td>
<td>$47,734</td>
<td>$51,134</td>
<td>$52,024</td>
</tr>
<tr>
<td>SC-27</td>
<td>Acoustical ceiling</td>
<td>Kitchen - second floor</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>2</td>
<td>Ceiling in poor condition.</td>
<td>Replace acoustical ceiling.</td>
<td>26,250 SF</td>
<td>$7.00</td>
<td>$5,000</td>
<td>$26,250</td>
<td>$26,250</td>
<td>$26,250</td>
</tr>
<tr>
<td>SC-28</td>
<td>Locker bases</td>
<td>Kitchen locker rooms - second floor</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>3</td>
<td>Paint is in poor condition.</td>
<td>Paint and install resilient base.</td>
<td>120 LF</td>
<td>$3.00</td>
<td>$360</td>
<td>$211</td>
<td>$218</td>
<td>$226</td>
</tr>
<tr>
<td>SC-29</td>
<td>Exterior metal trim</td>
<td>North end of building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>3</td>
<td>Faded and paint is peeling.</td>
<td>Refinish metal trim.</td>
<td>250 LF</td>
<td>$5.00</td>
<td>$1,250</td>
<td>$2,194</td>
<td>$2,271</td>
<td>$2,350</td>
</tr>
<tr>
<td>SC-30</td>
<td>Hollow metal doors</td>
<td>Throughout building</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>2</td>
<td>Poor condition, hardware failing.</td>
<td>Replace hollow metal doors.</td>
<td>24 EA</td>
<td>$80.00</td>
<td>$1,920</td>
<td>$37,910</td>
<td>$39,237</td>
<td>$40,610</td>
</tr>
<tr>
<td>SC-31</td>
<td>Exhaust fan</td>
<td>Coffee Shop 225</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>Yes</td>
<td>1</td>
<td>No exhaust fan over work area.</td>
<td>Install new exhaust fan and duct to outside.</td>
<td>1 LS</td>
<td>$20,000</td>
<td>$20,000</td>
<td>$38,612</td>
<td>$39,964</td>
<td>$41,362</td>
</tr>
<tr>
<td>SC-32</td>
<td>Kitchen make-up air unit</td>
<td>Upper part of Room</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>Yes</td>
<td>1</td>
<td>Kitchen make-up air unit in poor condition.</td>
<td>Replace with new rooftop unit.</td>
<td>1 LS</td>
<td>$75,000</td>
<td>$75,000</td>
<td>$131,633</td>
<td>$136,240</td>
<td>$141,008</td>
</tr>
<tr>
<td>SC-33</td>
<td>Kitchen exhaust hood</td>
<td>Roof</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>No</td>
<td>1</td>
<td>Kitchen exhaust hood and exhaust system are in poor condition.</td>
<td>Add commissioning and exhaust system.</td>
<td>1 LS</td>
<td>$3,500</td>
<td>$3,500</td>
<td>$6,143</td>
<td>$6,318</td>
<td>$6,580</td>
</tr>
<tr>
<td>SC-34</td>
<td>Passenger elevator</td>
<td>North side of building</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>0</td>
<td>No</td>
<td>3</td>
<td>No audible signals. Car control panel at maximum height.</td>
<td>Install new passenger elevator</td>
<td>1 LS</td>
<td>$26,400</td>
<td>$26,400</td>
<td>$46,335</td>
<td>$47,858</td>
<td>$49,316</td>
</tr>
</tbody>
</table>
## Building Deficiencies:

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Prereq.</th>
<th>Cura</th>
<th>Need</th>
<th>Score</th>
<th>Energy</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tank farm safety chain</td>
<td>Outside storage</td>
<td>TA-11</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>No</td>
<td>1</td>
<td>Damage tanks are not secured to wall.</td>
<td>1 LS</td>
<td>$1,000.00</td>
<td>$1,000</td>
</tr>
<tr>
<td>2</td>
<td>Exhaust fan Storage Room</td>
<td>TA-4</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>2</td>
<td>Air leaks may not meet the current emergency lighting code.</td>
<td>1 LS</td>
<td>$0.0000</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Grounding system</td>
<td>Throughout building</td>
<td>TA-3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Air flow has been proven in the process of welding.</td>
<td>1 LS</td>
<td>$0.0000</td>
<td>$0.00</td>
</tr>
<tr>
<td>4</td>
<td>Interstory walls</td>
<td>Hot floor</td>
<td>TA-4</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>No</td>
<td>2</td>
<td>CHW walls are a cracked.</td>
<td>1 LS</td>
<td>$500.00</td>
<td>$500</td>
</tr>
<tr>
<td>5</td>
<td>Exterior door frame</td>
<td>North east norm bay 2</td>
<td>TA-5</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Blue metal door frame located.</td>
<td>1 LS</td>
<td>$600.00</td>
<td>$600</td>
</tr>
<tr>
<td>6</td>
<td>Boiler heat exchanger</td>
<td>Boiler Room</td>
<td>TA-7</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>Yes</td>
<td>1</td>
<td>Heat exchanger on Boiler No. 1 was replaced. No. 2 maybe damaged due to condensation.</td>
<td>1 LS</td>
<td>$10,000.00</td>
<td>$10,000</td>
</tr>
<tr>
<td>7</td>
<td>Carpet</td>
<td>Rooms 101, 101A, 101B, 102, 102A, 104, 106, 108, 110, and second floor, service entry.</td>
<td>TA-4</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Carpet is in poor condition. Resident base is out of poor quality and deteriorating from wall.</td>
<td>1 LS</td>
<td>$66,674</td>
<td>$66,674</td>
</tr>
<tr>
<td>8</td>
<td>Wall base</td>
<td>Throughout building</td>
<td>TA-4</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>No</td>
<td>2</td>
<td>Wall base is in poor condition and deteriorating from wall.</td>
<td>1 LS</td>
<td>$11,584</td>
<td>$11,584</td>
</tr>
<tr>
<td>9</td>
<td>Wood floor</td>
<td>Hot floor lobby</td>
<td>TA-3</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>No</td>
<td>1</td>
<td>Wood floor is in poor condition and deteriorating.</td>
<td>1 LS</td>
<td>$20,851</td>
<td>$20,851</td>
</tr>
<tr>
<td>10</td>
<td>Automatic soft lighting control</td>
<td>Throughout building</td>
<td>TA-11</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>Yes</td>
<td>2</td>
<td>Vacations to meet code, shut off light in unoccupied rooms.</td>
<td>1 LS</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>11</td>
<td>Emergency power off</td>
<td>Shop areas</td>
<td>TA-12</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>Shop equipment can not be turned off during an emergency if there one or more power off switches.</td>
<td>1 LS</td>
<td>$10,000.00</td>
<td>$10,000</td>
</tr>
<tr>
<td>12</td>
<td>Dust collector access</td>
<td>Shop areas</td>
<td>TA-13</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>No</td>
<td>3</td>
<td>Dust collectors are up.</td>
<td>1 LS</td>
<td>$2,000.00</td>
<td>$2,000</td>
</tr>
<tr>
<td>13</td>
<td>Exhaust fan</td>
<td>Storage Room 118</td>
<td>TA-14</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>No</td>
<td>3</td>
<td>We have exhaust fan in the room.</td>
<td>1 LS</td>
<td>$6,000.00</td>
<td>$6,000</td>
</tr>
<tr>
<td>14</td>
<td>Lighting base</td>
<td>Storage Room 118</td>
<td>TA-15</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>Yes</td>
<td>3</td>
<td>No heat in the space.</td>
<td>1 LS</td>
<td>$4,500.00</td>
<td>$4,500</td>
</tr>
<tr>
<td>15</td>
<td>Dust collector bag</td>
<td>Shop areas</td>
<td>TA-16</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>Dust collector bag filters are in poor condition.</td>
<td>1 LS</td>
<td>$20,000.00</td>
<td>$20,000</td>
</tr>
<tr>
<td>16</td>
<td>New building automation system</td>
<td>Throughout building</td>
<td>TA-17</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>Cooling fan to BMS can not be a controlled to control the room with a light switch.</td>
<td>1 LS</td>
<td>$10,000.00</td>
<td>$10,000</td>
</tr>
<tr>
<td>17</td>
<td>Mechanical damper</td>
<td>Waiting Room 125</td>
<td>TA-18</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>2</td>
<td>Damper is used in the building with low level.</td>
<td>1 LS</td>
<td>$4,000.00</td>
<td>$4,000</td>
</tr>
<tr>
<td>18</td>
<td>Pipe insulation</td>
<td>Boiler Room</td>
<td>TA-19</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>Yes</td>
<td>1</td>
<td>Inferior pipe insulation has no identification or markings.</td>
<td>40 LF</td>
<td>$12.50</td>
<td>$500</td>
</tr>
</tbody>
</table>

### Notes:
- **No.** is the item number.
- **Item/Description** is the description of the item.
- **Location** is the location of the item.
- **Prereq.** is the prerequisite for the item.
- **Cura** is the current condition of the item.
- **Need** is the need for the item.
- **Score** is the score of the item.
- **Energy** is the energy consumption of the item.
- **Notes** is any additional notes about the item.
- **Action** is the action required for the item.
- **Qty.** is the quantity of the item.
- **Unit Cost** is the unit cost of the item.
- **Subtotal** is the subtotal cost of the item.

### Project Costs:

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Cost</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>$144,094</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>$149,137</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>$154,357</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>$159,759</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>$165,351</td>
<td></td>
</tr>
</tbody>
</table>

### Mark-ups and Fees:
- **Architectural** includes 20% mark-ups and fees.
- **Mechanical** includes 20% mark-ups and fees.
- **Electrical** includes 20% mark-ups and fees.
- **Plumbing** includes 20% mark-ups and fees.

### Additional Notes:
- **Lower score equals higher priority.
- **Utility** includes 20% mark-ups and fees.
- **Desirable** includes 20% mark-ups and fees.
- **Occasional** includes 20% mark-ups and fees.
- **Frequent** includes 20% mark-ups and fees.
- **Urgent** includes 20% mark-ups and fees.
- **Necessary** includes 20% mark-ups and fees.
- **Ineligible** includes 20% mark-ups and fees.
### Thompson M-TEC

**Address:** 6384 139th Avenue (Holland)  
**Building:** 30,000  
**Year Built:** 2000  
**Deficiency Date:** 12/9/2009

#### Building Defects

<table>
<thead>
<tr>
<th>No.</th>
<th>Item/Description</th>
<th>Location</th>
<th>Phase 1</th>
<th>Priority</th>
<th>Score</th>
<th>Energy</th>
<th>Freq.</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-1</td>
<td>Emergency lighting</td>
<td>Thru building</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>2</td>
<td>All areas may not meet the current emergency lighting code.</td>
<td>Add/replace emergency lighting fixtures and add/replace emergency lighting in new areas.</td>
<td>1 LS $5,000.00</td>
<td>1</td>
<td>$5,000</td>
</tr>
<tr>
<td>TH-2</td>
<td>Utility transformer</td>
<td>Outside of main electrical room</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>1</td>
<td>The concrete pad supporting the utility transformer is sinking in one corner.</td>
<td>Repair, relvel concrete pad</td>
<td>1 LS $3,000.00</td>
<td>1</td>
<td>$3,000</td>
</tr>
<tr>
<td>TH-3</td>
<td>Unit heater</td>
<td>Boiler room</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>Yes</td>
<td>No unit heater in boiler room with 2 doors to the outdoors.</td>
<td>Install new MMH unit heater in this room to protect against possible pipe freezing.</td>
<td>1 LS $3,000.00</td>
<td>1</td>
<td>$3,000</td>
</tr>
<tr>
<td>TH-4</td>
<td>Radiant ceiling panels</td>
<td>Retractable spaces</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>Yes</td>
<td>Existing radiant ceiling panels are not heating. Outdoor air temperature is 20 degrees F.</td>
<td>Troubleshoot radiant ceiling panels and controls and fix.</td>
<td>1 LS $1,000.00</td>
<td>1</td>
<td>$1,000</td>
</tr>
<tr>
<td>TH-5</td>
<td>Automatic (off) lighting control</td>
<td>Thru building</td>
<td>3</td>
<td>3</td>
<td>a</td>
<td>Yes</td>
<td>Dequate to meet code, plus all lights in unoccupied rooms</td>
<td>Add room occupancy sensors</td>
<td>60,000 SF $1.00</td>
<td>30,000</td>
<td>$52,053</td>
</tr>
<tr>
<td>TH-6</td>
<td>Exterior door weatherstripping</td>
<td>Mechanical room, receiving</td>
<td>3</td>
<td>5</td>
<td>a</td>
<td>Yes</td>
<td>Pair of doors lack adequate weather seals.</td>
<td>Add weather seals</td>
<td>2 EA $50.00</td>
<td>200</td>
<td>$178</td>
</tr>
<tr>
<td>TH-7</td>
<td>Exterior door sealant</td>
<td>Mechanical room</td>
<td>3</td>
<td>5</td>
<td>a</td>
<td>Yes</td>
<td>Door frame lacks perimeter sealant.</td>
<td>Provide perimeter sealant.</td>
<td>1 LS $50.00</td>
<td>50</td>
<td>$88</td>
</tr>
<tr>
<td>TH-8</td>
<td>Roof insulation</td>
<td>Above mezzanine</td>
<td>3</td>
<td>5</td>
<td>a</td>
<td>Yes</td>
<td>Roof insulation in good condition.</td>
<td>Add roof insulation.</td>
<td>1 LS $50.00</td>
<td>50</td>
<td>$88</td>
</tr>
<tr>
<td>TH-9</td>
<td>Vane BAS</td>
<td>Thru building</td>
<td>3</td>
<td>4</td>
<td>a</td>
<td>Yes</td>
<td>Existing Honeywell BAS does not have any user friendly BAS.</td>
<td>Add new Honeywell BAS to make GRCC building more user friendly</td>
<td>1 LS $30,000.00</td>
<td>30,000</td>
<td>$52,053</td>
</tr>
<tr>
<td>TH-10</td>
<td>Flush valves and faucets</td>
<td>First floor toilet rooms</td>
<td>4</td>
<td>4</td>
<td>a</td>
<td>Yes</td>
<td>Existing fixtures are manual.</td>
<td>Install new automatic faucets and flush valves to match GRCC standard.</td>
<td>12 EA $300.00</td>
<td>$6,000</td>
<td>$10,331</td>
</tr>
</tbody>
</table>

**Total Project Cost:** $149,759

---

**Note:**  
- Project Cost includes 58.3% mark-ups and fees  
- Project Cost based on 2010 pricing
### White Hall

**Address:** 415 E. Fulton

**Bldg. Area:** 20,380 SF

**No. of Floors:** 3 + basement

**Year Built:** 1908

**Evaluation Date:** 12/1/2009

**Note:** Lower score equals higher priority

#### Project Cost

<table>
<thead>
<tr>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

#### Note: Project Cost includes 58.3% mark-ups and fees

#### Unit Cost Subtotal

<table>
<thead>
<tr>
<th>WH-31</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
<td>-</td>
</tr>
</tbody>
</table>

**Building Deficiencies** by Category:

<table>
<thead>
<tr>
<th>Consequences of the Problem</th>
<th>Need</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Interruption</td>
<td>2. Urgent</td>
<td>2. Frequent</td>
</tr>
<tr>
<td>5. Energy</td>
<td>5. ADA</td>
<td>5. Meager</td>
</tr>
</tbody>
</table>

**Priority October 2, 2012**

<table>
<thead>
<tr>
<th>No. Item/Description</th>
<th>Location</th>
<th>Photo No.</th>
<th>Priority</th>
<th>Core</th>
<th>Base</th>
<th>Score</th>
<th>Energy</th>
<th>Trend</th>
<th>Notes</th>
<th>Action</th>
<th>Qty.</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH-31</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>
</tr>
</tbody>
</table>