

**FISCAL YEAR 2016
CAPITAL OUTLAY PROJECT REQUEST**

Institution Name: Grand Valley State University

Project Title: Classroom/Office Building Rank 1

Project Focus: ☒ Academic ☐ Research ☐ Administrative/Support

Type of Project: ☐ Renovation ☐ Addition ☒ New Construction

Program Focus of Occupants: Health Sciences - Nursing - Medical Engineering - Computer Based Analysis

Approximate Square Footage: 95,000

Total Estimated Cost: 50,000,000

Estimated Start/Completion Dates: April 2017 & July 2019

Is the Five-Year Plan posted on the institution's public internet site? ☒ Yes ☐ No

Is the requested project the top priority in the Five-Year Capital Outlay Plan? ☒ Yes ☐ No

Is the requested project focused on a single, stand-alone facility? ☒ Yes ☐ No

Describe the project purpose.

The continued growth in academic credit hours within the the health sciences has increased utilization of existing teaching and research lab spaces. The current utilization rate is estimated to be 80% higher than the accepted academic practice of 35 hours per week. This utilization includes students entering the health sciences, nursing, medical engineering, and computer based analysis programs. This project would be constructed to address capacity issues, training protocols, simulation based learning, and group program analysis.

Describe the scope of the project.

Construction of a 95,000 square feet laboratory, classroom, and faculty office building on the GVSU Grand Rapids campus on university property close to the university's Cook-DeVos Center for Health Sciences (CHS). Lab and classroom spaces would be constructed to current standards, energy codes, LEED, and sustainability requirements. The project would include some structured parking under the building.

Please provide detailed, yet appropriately concise responses to the following questions that will enhance our understanding of the requested project:

1. How does the project enhance Michigan's job creation, talent enhancement and economic growth initiatives on a local, regional and/or statewide basis?

For three decades, Grand Valley has been the fastest growing of the state's 15 public universities, moving in rank from 11th to 5th in total enrollment. In the Fall of 2014, the university reached an all-time high enrollment of 25,090 students and a record freshman class of 4,200. At present, more than 5,000 Grand Valley students are enrolled in the health sciences or related gateway programs for careers in nursing, physical therapy, occupational therapy, biomedical sciences, physician assistant studies, public health, radiologic and imaging

science, and speech/language pathology. Employer demand in Michigan for graduates of these programs continues to grow and Grand Valley must expand capacity in order to meet current and future need.

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

There have been two major limitations to GVSU's ability to respond to a regional and state need to educate more students and offer additional programs in the health field. The first limitation has been a shortage of lab space. Students were having a difficult time qualifying for our health programs because we did not have enough lab space to offer the courses that are prerequisites for our health programs. With the help of the State, that limitation has been addressed: a new laboratory science classroom building in Allendale will come on line August of 2015 and we will be able to prepare more students and do so more effectively. However, the second limitation still remains: the current CHS building is at capacity, and we have had to lease space to house faculty. As a result, we cannot significantly increase the number of students in programs, nor can we add new programs. This is an especially difficult situation as we receive far more applications for our health programs than we can currently accommodate. GVSU is committed to the highest levels of academic rigor, as evidenced by our exceptionally high pass rates on the national health professions exams. Increasing our student capacity will in turn add to the highly trained professionals that serve the Michigan community.

3. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

Following the construction of the new building, some minor renovations would take place in the existing health sciences building. The cost of this renovation is not included in the proposed new construction.

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

The existing structures do not have the electrical or electronic capacity to accommodate future technology and growth. Significant investment would be required to prepare the existing building for emerging technology.

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

GVSU measures classroom occupancy and seat utilization for all university-owned instructional space. On average, the university's general-purpose classrooms are occupied for 37.5 hours per week during the academic year. This utilization exceeds the standards set in 22 of the 27 states that were found to have such utilization standards in 1999. Our daytime seat utilization in general purpose classrooms stands at 65.9%, exceeding the standards in 16 of the 22 states with known standards for that measure. (Space Utilization Standards & Space Needs Model, prepared by Paulien & Associates, Inc., June 1999)

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

In December 2005, the Governor of the State of Michigan issued an executive order requiring construction at State supported institutions to be consistent with applicable LEED® Standards. Grand Valley State University

has embraced this directive and continues to construct to LEED® standards. To date, the university has been granted LEED® certification on 19 projects totaling over 1,236,033 square feet. Grand Valley State University has established LEED® Silver as a minimum standard.

7. Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources?

Yes. It is expected the required match resources will be a blend of private donations, GVSU capital, and GVSU bonding paid off with general fund revenue capital; the latter will be serviced from tuition revenue paid by additional students enrolled in the health sciences.

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

The university intends to commit all funding in excess of the projected maximum of \$30 million from the State of Michigan.

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

The operations of the project will be funded from the university general fund budget. Estimated annual operating cost is \$4,000,000 with an estimated five-year period total of \$22,102,525. The operations of the project will be funded from the university general fund budget. Increases will be funded by increases in student credits which result from the new and expanded academic facilities.

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

None.

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

The existing structures are fully subscribed and do not have the capacity to accommodate current and future growth.

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

Existing structures have been repurposed to relieve the burden on the existing building. This includes the relocation of faculty from the building so space could be used for student practicums. Storage functions, which are essential to some of the programs, have been relocated off campus. Program activities have been curtailed to fit within the available space. The possibility of scheduling classes at other GVSU buildings has been assessed and is not an effective solution because the distances would add too much time to the students' day.

**FISCAL YEAR 2016
CAPITAL OUTLAY PROJECT REQUEST**

Institution Name: Grand Valley State University

Project Title: Classroom/Office Additions Rank 2

Project Focus: ☒ Academic ☐ Research ☐ Administrative/Support

Type of Project: ☐ Renovation ☒ Addition ☒ New Construction

Program Focus of Occupants: Communication Arts - College of Liberal Arts and Sciences

Approximate Square Footage: 150,000

Total Estimated Cost: 60,000,000

Estimated Start/Completion Dates: April 2018 & July 2020

Is the Five-Year Plan posted on the institution's public internet site? ☒ Yes ☐ No

Is the requested project the top priority in the Five-Year Capital Outlay Plan? ☐ Yes ☒ No

Is the requested project focused on a single, stand-alone facility? ☒ Yes ☐ No

Describe the project purpose.

This project proposes the construction of a 150,000 square feet addition to the existing Performing Arts Center building to meet classroom and office demand for the communication arts program, College of Liberal Arts and Sciences.

Describe the scope of the project.

Proposed work includes 150,000 square feet addition for classrooms, offices, upgrade existing classrooms to current standards to accommodate changes in teaching technology that have occurred since the 1971 construction of the existing building. Heating and cooling system upgrades to meet current energy codes, fire safety code improvements, and ADA compliance upgrades.

Please provide detailed, yet appropriately concise responses to the following questions that will enhance our understanding of the requested project:

1. How does the project enhance Michigan's job creation, talent enhancement and economic growth initiatives on a local, regional and/or statewide basis?

Through the 1990's and into the early 2000's, Grand Valley was Michigan's fastest growing university. Our forecast calls for a reduction in enrollment growth from the trends in recent years. More recently, our 27,900 students, faculty and staff made a total estimated economic impact of more than \$722 million in Kent, Muskegon, and Ottawa counties.

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

This project will provide the essential space the university requires to meet its goals and objectives.

3. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

Academic classrooms would be upgraded to current standards to accommodate the changes in teaching technology that have occurred since the 1971 construction of this building. Heating and cooling systems would be upgraded to meet current energy codes.

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

Yes. Proposed work would include code related improvements, fire safety code improvements, and ADA compliance work within the existing building.

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

GVSU measures classroom occupancy and seat utilization for all university-owned instructional space. On average, the university's general-purpose classrooms are occupied for 37.5 hours per week during the academic year. That utilization exceeds the standards set in 22 of the 27 states that were found to have such utilization standards in 1999. Our daytime seat utilization in general purpose classrooms stands at 65.9%, exceeding the standards in 16 of the 22 states with known standards for that measure. (Space Utilization Standards & Space Needs Model, prepared by Paulien & Associates, Inc., June 1999)

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

In December 2005, the Governor of the State of Michigan issued an executive order requiring construction at State supported institutions to be consistent with applicable LEED® Standards. Grand Valley State University has embraced this directive and continues to construct to LEED® standards. To date, the university has been granted LEED® certification on 19 projects totaling over 1,236,033 square feet. Grand Valley State University has established LEED® Silver as a minimum standard.

7. Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources?

It is expected the required match resources will be a blend of private donations, GVSU capital, and GVSU bonding paid off with General Fund Revenue capital. The university is confident the required funding match will be obtained following legislative granted program-planning authority.

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

The university intends to commit all funding in excess of the projected maximum of \$36 million from the State of Michigan.

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

Estimated annual operating cost is \$3,600,000 with an estimated five-year period total of \$19,892,272. The operations of the project will be funded from the university general fund budget. Increases will be funded by increases in student credit hours which result from the new and expanded academic facilities.

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

None.

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

If this project is not funded, Grand Valley State University's role as a public, comprehensive institution that provides quality educational services to the citizens of Michigan will be adversely affected.

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

Existing structures have been repurposed to relieve the burden on the existing building. Activities undertaken have included the relocation of faculty from the building so the vacated space could be used for student practice. Storage functions, which are essential to some of the programs, have been relocated off campus. Program activities have been curtailed to fit within the available space.

**FISCAL YEAR 2016
CAPITAL OUTLAY PROJECT REQUEST**

Institution Name: Grand Valley State University

Project Title: Classroom/Office Renovations Rank 3

Project Focus: ☒ Academic ☐ Research ☐ Administrative/Support

Type of Project: ☒ Renovation ☐ Addition ☐ New Construction

Program Focus of Occupants: School of Communications, English, Modern Languages & Literatures, Classics, and Graduate Programs

Approximate Square Footage: 80,000

Total Estimated Cost: 10,000,000

Estimated Start/Completion Dates: April 2019 & July 2020

Is the Five-Year Plan posted on the institution's public internet site? ☒ Yes ☐ No

Is the requested project the top priority in the Five-Year Capital Outlay Plan? ☐ Yes ☒ No

Is the requested project focused on a single, stand-alone facility? ☐ Yes ☒ No

Describe the project purpose.

This project proposes the renovation of the interiors of Lake Huron Hall, Lake Superior Hall, and a portion of the L. V. Eberhard Center. Approximately 80,000 square feet of existing space would be renovated.

Describe the scope of the project.

Proposed work in the university's 1960's and 1980's era buildings would include code related improvements, fire safety code improvements, and ADA compliance work. Academic classrooms would be upgraded to current standards to accommodate the changes in teaching technology that have occurred since 1960 and 1980. Heating and cooling systems would be upgraded to meet current codes.

Please provide detailed, yet appropriately concise responses to the following questions that will enhance our understanding of the requested project:

1. How does the project enhance Michigan's job creation, talent enhancement and economic growth initiatives on a local, regional and/or statewide basis?

Through the 1990's and into the early 2000's, Grand Valley was Michigan's fastest growing university. Our forecast calls for a reduction in enrollment growth from the trends in recent years. More recently, our 27,900 students, faculty and staff made a total estimated economic impact of more than \$722 million in Kent, Muskegon, and Ottawa counties.

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

The project will enable the university to upgrade infrastructure to provide the optimal learning, teaching, and administrative environment.

3. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

Attention needs to be given to maintaining the functional and financial value of the facilities over the long-term. Capital investment is required to avoid a predictable “spending down” of the capital asset represented by these facilities.

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

Proposed work would include code related improvements, fire safety code improvements, and ADA compliance.

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

GVSU measures classroom occupancy and seat utilization for all university-owned instructional space. On average, the university’s general-purpose classrooms are occupied for 37.5 hours per week during the academic year. This utilization exceeds the standards set in 22 of the 27 states that were found to have such utilization standards in 1999. Our daytime seat utilization in general purpose classrooms stands at 65.9%, exceeding the standards in 16 of the 22 states with known standards for that measure. (Space Utilization Standards & Space Needs Model, prepared by Paulien & Associates, Inc., June 1999)

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

In December 2005, the Governor of the State of Michigan issued an executive order requiring construction at State supported institutions to be consistent with applicable LEED® Standards. Grand Valley State University has embraced this directive and continues to construct to LEED® standards. To date, the university has been granted LEED® certification on 19 projects totaling over 1,236,033 square feet. Grand Valley State University has established LEED® Silver as a minimum standard.

7. Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources?

It is expected the required match resources will be a blend of GVSU capital and GVSU bonding paid off with General Fund Revenue capital. The university is confident the required funding match will be obtained following legislative granted program-planning authority.

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

The university intends to commit all funding in excess of the projected maximum of \$6 million from the State of Michigan.

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

Estimated annual operating cost is \$700,000 with an estimated five-year total of \$3,868,000. Operations will be funded from the university general fund budget. Increases will be funded by increases in student credit hours which result from the expanded academic facilities.

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

None.

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

If this project is not funded, Grand Valley State University's role as a public, comprehensive institution that provides quality educational services to the citizens of Michigan will be adversely affected.

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

These buildings are in need of code and compliance related improvements. In order to provide an optimal learning, teaching, and administrative environment, this project is warranted.