Use and Finance Bi-Annual Reporting Form

Reporting Period: January 2015 through June 2015

University/College: Michigan State University

Number of Projects to Report: 12

Estimated Impact on Tuition and Fee Rates[1]: 0%

[1] This amount shall be calculated by dividing the amount of tuition revenue that is annually budgeted for the institution's share of a project's cost by the most recent fiscal year equated student count for the institution.

	PROJECT DESCRIPTION	PROJECT TIMELINE	PROJECT COSTS	FUNDING SOURCE
1	**Life Sciences - Renovations - A Wing** The College of Nursing at Michigan State University offers BS, MS, and PhD Nursing programs to over 550 students. The College also offers a wide range of continuing education programs and has established a nationally recognized research agenda. College faculty are currently located in multiple locations on campus and would benefit from co-location into space that is collaborative, flexible, technologically enhanced, and engaging. This project involves a comprehensive renovation of approximately 5,700 square feet of space, creating efficient and functional workspace, including daylighting and up-to-date media and teaching labs for students and faculty. The project will increase collaboration within the College. The renovated space in the Life Science Building will accommodate the College of Nursing faculty currently located in Owen Hall, making that space in Owen available for future reassignment. The renovations to A-wing will also release space in the B-Wing that can be converted to laboratory research space.	Start Date: February-15 Completion: August-15	Property Remodeling $1,823,932 Additions Landscaping/Roads $1,000 Equipment $349,869 Other(Fees) $225,199 Total: $2,400,000	Tuition Millage Bond Proceeds Donations Federal Other (Infrastructure Funds) $2,400,000 Total: $2,400,000
2	**Saginaw Valley Research and Extension Center - Agricultural Education Center** With the relocation of the Saginaw Valley Research and Extension Center (SVREC) from Saginaw to Frankenmuth, an opportunity exists to strengthen the public/private industry relationship and enhance community education and outreach in the region and throughout the state. The SVREC Agricultural Education Center will be used to educate people from local, regional, and state agricultural communities with a wide variety of interests in agriculture. Additionally, it will accommodate agricultural industry meetings, as well as MSU teaching, research, and outreach activities. This will be accomplished through distance learning classes, field-oriented education programs, and hands-on demonstrations. The new building will be approximately 11,000 square feet and include offices, storage, restrooms, a gallery and prep room for catered events, and a 200-person meeting room, with a large overhead door to allow for access to industry equipment.	Start Date: June-15 Completion: October-15	Property $0 Remodeling Additions $1,003,871 Landscaping/Roads Equipment Other(Fees) $196,129 Total: $1,200,000	Tuition Millage Bond Proceeds Donations $840,000 Federal Other (College of Agriculture and Natural Resources & AgBioResearch) $360,000 Total: $1,200,000
3	**North Campus Infrastructure Improvements - West Circle Drive - 2015** The north campus arch-style steam tunnels are 87 to 102 years old and have badly deteriorated.. This project is the fourth and final phase of a four-phase project to replace the deteriorating north campus arch steam tunnels. It will remove and replace the existing steam tunnels and building service leads; increase the steam distribution mains to the region; increase line capacity for high-pressure steam and condensate return distribution mains; replace the existing deteriorated water main with a higher capacity water main; reconstruct parking lots); repair and replace associated electrical duct banks; and reconstruct West Circle Drive from the Library to Auditorium Road. All serviced buildings will be converted to high-pressure steam and pressure-condensate return lines, improving energy efficiency. The deteriorated water main will be upgraded according to master plans to increase water fire-flow capacity to the region. After reconstruction, West Circle Drive will have two traffic lanes and one bike lane (one-way traffic), providing vehicular, pedestrian, and bicyclist safety improvements.	Start Date: March-15 Completion: August-15	Property Remodeling $7,301,696 Additions Landscaping/Roads $80,000 Equipment $925,000 Other(Fees) $1,193,304 Total: $9,500,000	Tuition Millage Bond Proceeds $9,150,000 Donations Federal Other (Infrastructure Funds) $350,000 Total: $9,500,000
4	**Grand Rapids Research Center** The Secchia Center, headquarters for the MSU College of Human Medicine (CHM), is a privately-funded medical education building located in Grand Rapids along the ""Medical Mile"". Since the Secchia Center's opening in 2OLO, CHM has reached its expansion goal of 800 students and has built a successful research platform in West Michigan, developing centers of excellence in research on Parkinson's disease, women's reproductive health, cutaneous oncology (melanoma), and breast cancer. These research activities are currently conducted by MSU scientists in research laboratories in leased space. To sustain and enhance CHM's trajectory in research growth, it is critical to develop a comprehensive strategy to establish appropriate facilities in Grand Rapids to house researchers and advance the University's mission. The new facility will be located on the former Grand Rapids Press site at the northeast corner of Monroe Avenue and Michigan Street in Grand Rapids. This project constructs a 160,000 square foot multi-story research building. Initially four floors will be built-out and one floor will be shelled, providing future research laboratory capacity necessary to support planned research growth.	Start Date: June-15 Completion: July-17	Property Remodeling Additions $65,466,500 Landscaping/Roads Equipment $9,310,000 Other(Fees) $10,323,500 Total: $85,100,000	Tuition Millage Bond Proceeds $42,000,000 Donations $40,000,000 Federal Other (Infrastructure $3,100,000 Total: $85,100,000
5	**Engineering Building - Chiller Replacement** The Engineering Building is currently served by two steam absorption chiller machines in the basement of the south wing of the building. These machines have reached the end of their useful service life, as have their associated cooling towers on the roof. A new chiller will improve energy efficiency and allow redundant service to other buildings. To accommodate future building additions per the Campus Master Plan and to provide some redundancy to all buildings connected to the chilled water distribution loop, the chillers in the Engineering Building should be replaced with two larger electric centrifugal chillers immediately, with capacity for a third chiller that needs to be added to the Anthony Hall chiller plant in the future. The project will include replacement of the chillers in the Engineering Building, and the creation of a chilled water loop serving the Engineering Building, Anthony Hall, Food Science, Natural Resources, Packaging, and Communication and Arts and Sciences. This will result in more than $1,000,000 in annual savings in energy costs.	Start Date: May-15 Completion: April-16	Property Remodeling $17,870,008 Additions Landscaping/Roads $60,000 Equipment $119,931 Other(Fees) $1,950,061 Total: $20,000,000	Tuition Millage Bond Proceeds Donations Federal Other (Infrastructure Funds) $20,000,000 Total: $20,000,000
6	**Duffy Daugherty Football Building - Renovate Locker Room and Training Room** The Duffy Daugherty training facilities were last updated in 1997. Since then, major technological changes have occurred in training therapy delivery methods. The installation of modern equipment will necessitate reconfiguration of the existing space. Intercollegiate Athletics would like to bring the football training facilities up to a level comparable with the rest of the Duffy Daugherty Building and Skandalaris Center, thereby assuring current and prospective student-athletes of the best possible medical care. Similarly, the locker rooms in the Duffy Daugherty building are in need of functional, spatial, and aesthetic refurbishment, as they are no longer Big Ten - level facilities. The Duffy Daugherty Football Building is located at the corner of West Shaw Lane and Chestnut Roads in the athletic and recreation district. The main components of this project will be modernizing the training room by installing new therapy pools and reconfiguring offices, reception, monitoring, and treatment spaces, and renovating the locker room by replacing and reconfiguring the lockers and redistributing the ventilation system. The project will also include updating furniture, finishes, and technology.	Start Date: May-15 Completion: August-15	Property Remodeling $4,445,103 Additions Landscaping/Roads Equipment $1,032,431 Other(Fees) $466,466 Total: $5,944,000	Tuition Millage Bond Proceeds Donations $5,944,000 Federal Other Total: $5,944,000

	PROJECT DESCRIPTION	PROJECT TIMELINE	PROJECT COSTS		FUNDING SOURCE	
7	**Berkowitz Basketball Complex - Alterations to Basketball Offices** The men's and women's intercollegiate basketball programs have had extraordinary success, including multiple NCAA tournament and Final Four appearances and Men's National Championships. The coaches' offices and meeting rooms no longer meet expectations for programs of this caliber and are in need of functional, technological, and aesthetic upgrades. The main components of this project include upgrading office furniture and carpet in the men's coaches' offices, along with improving finishes and displays in the reception area, corridors, and film viewing room of the men's program. Fixed canopies over the outdoor patios adjacent to the men's and women's head coaches' offices will also be installed.	Start Date: April-15 Completion: September-15	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	 $3,381,227 $5,000 $33,773 $380,000 $3,800,000	Tuition Millage Bond Proceeds Donations Federal Other Total:	 $3,800,000 $3,800,000

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8	**Cyclotron - Office Addition - Phase III** To expand the office portion of the facility to accommodate the new staff, faculty, and students that are being hired in support of the FRIB project. The project consists of the following three elements: Partial demolition of the existing Cyclotron; New six story office addition envisioned; and Build out of electrical and mechanical systems.	Start Date: March-15 Completion: April-16	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	 $24,278,614 $1,920,320 $3,201,066 $29,400,000	Tuition Millage Bond Proceeds Donations Federal Other (Infrastructure Funds & FRIB) Total:	 $10,000,000 $19,400,000 $29,400,000

	PROJECT DESCRIPTION	PROJECT TIMELINE	PROJECT COSTS		FUNDING SOURCE	
9	**New Intercollegiate Golf Building** The existing home of the men's and women's intercollegiate golf teams was originally built in 1958 as a pro shop for the Forest Akers Golf Course. This facility was renovated and renamed the Paul Rearick Golf Center in 2003. Built with residential grade construction materials, the building currently requires ongoing maintenance. The conversion of the outdoor pavilion into an indoor practice area in 2006 served to extend the building's functionality, but the building falls far short in comparison to competing Big Ten facilities. A new facility is necessary to facilitate the recruitment, training, and development of future student-athletes and to ensure the continued success of the MSU golf teams. This project includes a new building containing coaching offices, locker rooms, an indoor practice green, public and player lounges and gathering spaces, public restrooms, a small weight training area, club repair, and display space. The project will also include parking and a more prominent entry off Harrison Road.	Start Date: April-15 Completion: September-15	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	$5,098,358 $35,000 $165,570 $701,072 $6,000,000	Tuition Millage Bond Proceeds Donations Federal Other Total:	 $6,000,000 $6,000,000

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10	**Grand Rapids - Former Press Building Demolition** This is a preliminary project to demolish the existing Grand Rapids Press building on the future site of MSU's research center. The building to be razed is located on the northeast corner of Monroe Avenue and Michigan Street in Grand Rapids. It is 173,840 gross square feet on a site of approximately 4.3 acres.	Start Date: February-15 Completion: June-15	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	 $2,782,025 $217,975 $3,000,000	Tuition Millage Bond Proceeds Donations Federal Other (Infrastructure Funds) Total:	 $3,000,000 $3,000,000

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11	**Parking Lot 97 Reconstruction** Parking Lot 97 was originally constructed with the Engineering Research Complex in 1986. When the Energy and Automotive Research Facility addition was constructed in 2007, a perimeter drive and additional parking were added, bringing current lot capacity to 216 spaces. The pavement in the original parking lot has outlived its useful life and does not meet current pavement system design standards. In addition, this zone of campus will need additional parking with the construction of the Bio-Engineering facility. The project is located adjacent to the Engineering Research Complex, south of Service Road and east of Bogue Street in the south academic district. This project involves more than doubling the lot's capacity to 461 spaces. It includes reconstruction to meet current standards for safety, accessibility, storm water management, and pavement.	Start Date: May-15 Completion: August-15	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	 $1,318,500 $7,200 $144,300 $1,470,000	Tuition Millage Bond Proceeds Donations Federal Other (Self-funded Parking System) Total:	 $1,470,000 $1,470,000

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12	**FRIB - Power Plant Connection** The power needs for most of the developed campus north of Mt. Hope Road are provided by MSU's Power Plant. The MSU farm facilities and other selected facilities on south campus are serviced by the local utilities. The Facility for Rare Isotope Beams (FRIB) will begin operating in approximately 2018, but the FRIB will need an initial seven megawatts of power for facility and equipment commissioning by early 2017. This project will create a connection between FRIB and the Power Plant. Proceeding with this project now provides for the initial FRIB load requirement and avoids an expenditure of $1,000,000 for a temporary power connection. The project involves three elements: 1) switch-house with circuit breakers to connect to the 25 MW FRIB duct line and cables, 2) new duct line and cables to connect the switch-house to the Power Plant, and 3) modifications in the Power Plant to connect the new cables from the switch-house. Installing a switch-house at this time affords two benefits: 1) it enables a connection to the planned substation, and 2) it makes provision for the implementation of future power sources such as wind, solar, and gas powered electrical generation.	Start Date: January-15 Completion: March-17	Property Remodeling Additions Landscaping/Roads Equipment Other(Fees) Total:	 $5,698,687 $4,146,526 $1,654,787 $11,500,000	Tuition Millage Bond Proceeds Donations Federal Other (Infrastructure Funds & FRIB) Total:	 $11,500,000 $11,500,000