

Use and Finance Bi-Annual Reporting Form

Reporting Period: January 2014 through June 2014

University/College: Michigan State University

Number of Project to Report: 9

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
<p>1 Facility for Rare Isotope Beams - Michigan State University was selected by the U.S. Department of Energy to design and establish the Facility for Rare Isotope Beams, to be owned and operated by MSU in support of the DOE's mission. FRIB builds on MSU's leadership in nuclear physics developed since the 1960's and it experience operating the National Superconducting Cyclotron Laboratory. In August 2013, the DOE approved the civil construction of FRIB, with Technical Construction to follow.</p> <p>The project will include a build out of the electrical, mechanical, and technical systems. The mechanical fit-out includes air handling units, low connectivity water systems, and non-conventional utilities. The electrical systems include transformers, emergency generators, electrical substations, and uninterrupted power supplies. The construction includes the installation of technical systems which consist of the linear accelerator and the experimental systems.</p>	<p>Start Date: March-13</p> <p>Completion: May-22</p>	<p>Property Acquisition</p> <p>Remodeling</p> <p>Additions <u>\$175,000,000</u></p> <p>Landscaping/Roads</p> <p>Equipment <u>\$473,700,000</u></p> <p>Other(Fees)</p> <p>Total: <u>\$648,700,000</u></p>	<p>Tuition \$0</p> <p>Millage <u>\$0</u></p> <p>Bond Proceeds</p> <p>Donations</p> <p>Federal <u>\$554,200,000</u></p> <p>Other (State of Michigan) <u>\$94,500,000</u></p> <p>Total: <u>\$648,700,000</u></p>

PROJECT DESCRIPTION	PROJECT TIMELINE	PROJECT COSTS	FUNDING SOURCE
<p>2 Veterinary Medical Center - Replace Fire Alarm System</p> <p>The existing fire and smoke alarm system in the Veterinary Medical Center was installed during the original construction. With the exception of the Oncology Wing, the system is nearly 50 years old and past its useful life expectancy. False alarms in the building are increasing and creating operational challenges.</p> <p>This project includes a new fire and smoke alarm system for the Veterinary Medical Center building with the exception of the Oncology Wing, which already has a modern fire alarm system.</p>	<p>Start Date: February-14</p> <p>Completion: January-15</p>	<p>Property Acquisition</p> <p>Remodeling <u>\$1,374,756</u></p> <p>Additions</p> <p>Landscaping/Roads</p> <p>Equipment <u>\$192,000</u></p> <p>Other(Fees) <u>\$183,244</u></p> <p>Total: <u>\$1,750,000</u></p>	<p>Tuition</p> <p>Millage</p> <p>Bond Proceeds</p> <p>Donations</p> <p>Federal</p> <p>Other (Infrastructure Funds) <u>\$1,750,000</u></p> <p>Total: <u>\$1,750,000</u></p>

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<p>3 Clinical Center - C-Wing HVAC Replacement</p> <p>The replacement and upgrade of the Clinical</p>	<p>Start Date: March-14</p>	<p>Property Acquisition</p>	<p>Tuition</p>

<p>Center Animal Facility (CCAF) heating, ventilation, and air conditioning (HVAC) system and the conversion of space to procedure rooms is necessitated by an aging HVAC system, grant funding agency guidelines for animal care, research protocols, and to create a barrier facility that will position MSU to compete more favorably for external funding from agencies such as the National Institutes of Health. The CCAF is one of the major animal care facilities on campus. It will also be the primary facility for researchers that will be located in the new Bio Engineering Building that is under construction.</p> <p>This project includes a new HVAC system, and will also create new procedure space for researchers by converting office space and enclosing the adjacent overhang area on the ground level. The project will also take advantage of the building being unoccupied, and address a number of infrastructure requirements, including energy conservation measures, infrastructure requirements, life safety, and hazardous material abatement.</p>	<p>Completion: December-14</p>	<table border="1"> <tr> <td>Remodeling Additions</td> <td style="text-align: right;">\$7,406,351</td> </tr> <tr> <td>Landscaping/Roads</td> <td style="text-align: right;">\$6,000</td> </tr> <tr> <td>Equipment</td> <td style="text-align: right;">\$80,000</td> </tr> <tr> <td>Other(Fees)</td> <td style="text-align: right;">\$1,007,649</td> </tr> <tr> <td>Total:</td> <td style="text-align: right;">\$8,500,000</td> </tr> </table>	Remodeling Additions	\$7,406,351	Landscaping/Roads	\$6,000	Equipment	\$80,000	Other(Fees)	\$1,007,649	Total:	\$8,500,000	<table border="1"> <tr> <td>Millage Bond Proceeds</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Donations</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Federal</td> <td style="text-align: right;">\$500,000</td> </tr> <tr> <td>Other (Infrastructure Funds)</td> <td style="text-align: right;">\$8,000,000</td> </tr> <tr> <td>Total:</td> <td style="text-align: right;">\$8,500,000</td> </tr> </table>	Millage Bond Proceeds	_____	Donations	_____	Federal	\$500,000	Other (Infrastructure Funds)	\$8,000,000	Total:	\$8,500,000
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<p>4 West Circle Housing Complex - Infrastructure Improvements (Phase 2 of 2)</p> <p>The infrastructure in the West Circle housing complex dates back to the 1940's and is in need of replacement. Failures of the direct buried piping are common and have increased in recent years. The water main in this area is also at the end of its useful life and should be increased in size for effective fire-fighting capability and reliability. Communication lines are in the same steam vaults as steam and condensate return lines, which is not optimal. The existing electrical duct bank is currently full and requires additional ducts to be installed for future electrical improvements to this region of campus.</p> <p>This project involves steam and condensate piping to the adjacent buildings along with a new water main, communication lines, and electric ducts. Replacement of the primary electrical services to these buildings will be accomplished by installing a regional substation and pad mounted transformers. The east side of the complex infrastructure (serving Mary Mayo, Campbell and Landon Halls) was completed in 2009. This project will complete the infrastructure renewal for the West Circle Housing complex.</p>	<p>Start Date: March-14</p> <p>Completion: August-14</p>	<table border="1"> <tr> <td>Property Acquisition</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Remodeling Additions</td> <td style="text-align: right;">\$5,605,838</td> </tr> <tr> <td>Landscaping/Roads</td> <td style="text-align: right;">\$60,000</td> </tr> <tr> <td>Equipment</td> <td style="text-align: right;">\$5,000</td> </tr> <tr> <td>Other(Fees)</td> <td style="text-align: right;">\$829,162</td> </tr> <tr> <td>Total:</td> <td style="text-align: right;">\$6,500,000</td> </tr> </table>	Property Acquisition	_____	Remodeling Additions	\$5,605,838	Landscaping/Roads	\$60,000	Equipment	\$5,000	Other(Fees)	\$829,162	Total:	\$6,500,000	<table border="1"> <tr> <td>Tuition</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Millage Bond Proceeds</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Donations</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Federal</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Other (Infrastructure Funds)</td> <td style="text-align: right;">\$6,500,000</td> </tr> <tr> <td>Total:</td> <td style="text-align: right;">\$6,500,000</td> </tr> </table>	Tuition	_____	Millage Bond Proceeds	_____	Donations	_____	Federal	_____	Other (Infrastructure Funds)	\$6,500,000	Total:	\$6,500,000
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<p>5 Kresge Art Center - Courtyard Renovation</p>	<p>Start Date: April-14</p>	<p>Property</p>	<p>Tuition</p>

<p>Summer Circle Theatre (SCT), which was founded in 1961, has held its performances at various locations on campus, and is currently on the banks of the Red Cedar just south of the Auditorium Building. While this location has served the SCT for many years it is located in a flood plain that regularly experiences conditions not conducive for an outdoor performance venue, and is not accessible. The location is also temporary in nature, each use requiring the set-up of bleachers, a stage, and access to power. This project involves restoration of the courtyard area between the Kresge Art Center and the Auditorium Building including a permanent stage, terraced seating, access to power, replacement of deteriorated pavement, accessibility, and landscape improvements.</p>	<p>Completion: May-14</p>	<table border="1"> <tr><td>Acquisition</td><td></td></tr> <tr><td>Remodeling</td><td>\$1,005,862</td></tr> <tr><td>Additions</td><td></td></tr> <tr><td>Landscaping/Roads</td><td></td></tr> <tr><td>Equipment</td><td>\$62,000</td></tr> <tr><td>Other(Fees)</td><td>\$83,438</td></tr> <tr><td>Total:</td><td>\$1,151,300</td></tr> </table>	Acquisition		Remodeling	\$1,005,862	Additions		Landscaping/Roads		Equipment	\$62,000	Other(Fees)	\$83,438	Total:	\$1,151,300	<table border="1"> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations</td><td>\$901,300</td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other (Infrastructure Funds)</td><td>\$250,000</td></tr> <tr><td>Total:</td><td>\$1,151,300</td></tr> </table>	Millage		Bond Proceeds		Donations	\$901,300	Federal		Other (Infrastructure Funds)	\$250,000	Total:	\$1,151,300
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<p>6 Wilson Hall - Creative Commons Renovation Residential and Hospitality Services (RHS), in conjunction with the College of Engineering, College of Communication Arts and Sciences, and the Broad College of Business, are creating a Creative Commons, which will serve as a student-based incubator to support the development of entrepreneurial ventures and new Michigan-based products and services, and equip students with the skills and resources necessary to succeed as both entrepreneurs and business executives in corporations, both large and small. This project includes a comprehensive renovation to room C108 Wilson Hall, including demolition of existing interior walls, mechanical and electrical systems; creation of a "creative commons" space, including new HVAC system, audio/video technology, collaboration areas and meeting locations; and replacement of the existing kitchen drainage piping.</p>	<p>Start Date: May-14 Completion: August-14</p>	<table border="1"> <tr><td>Property Acquisition</td><td></td></tr> <tr><td>Remodeling</td><td>\$1,641,400</td></tr> <tr><td>Additions</td><td></td></tr> <tr><td>Landscaping/Roads</td><td></td></tr> <tr><td>Equipment</td><td>\$232,700</td></tr> <tr><td>Other(Fees)</td><td>\$285,900</td></tr> <tr><td>Total:</td><td>\$2,160,000</td></tr> </table>	Property Acquisition		Remodeling	\$1,641,400	Additions		Landscaping/Roads		Equipment	\$232,700	Other(Fees)	\$285,900	Total:	\$2,160,000	<table border="1"> <tr><td>Tuition</td><td></td></tr> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations</td><td></td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other (Infrastructure Funds)</td><td>\$2,160,000</td></tr> <tr><td>Total:</td><td>\$2,160,000</td></tr> </table>	Tuition		Millage		Bond Proceeds		Donations		Federal		Other (Infrastructure Funds)	\$2,160,000	Total:	\$2,160,000
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<p>7 Bessey Hall - Renovate Third Floor Bessey Hall was built in 1961 and is considered a core instructional building located in the heart of campus. The building houses 28 instructional spaces ranging in capacity from 24-338 seats, provides instructional space for a wide range of disciplines, and has the potential to serve over 10,000 students every day. The last major investment in Bessey Hall occurred in the mid-1990's. Renewed investment in this instructional resource is necessary to provide the facilities and technology necessary to support teaching and learning and to contribute to the success of</p>	<p>Start Date: May-14 Completion: August-14</p>	<table border="1"> <tr><td>Property Acquisition</td><td></td></tr> <tr><td>Remodeling</td><td>\$884,772</td></tr> <tr><td>Additions</td><td></td></tr> <tr><td>Landscaping/Roads</td><td>\$6,000</td></tr> <tr><td>Equipment</td><td>\$530,764</td></tr> <tr><td>Other(Fees)</td><td>\$148,464</td></tr> <tr><td>Total:</td><td>\$1,570,000</td></tr> </table>	Property Acquisition		Remodeling	\$884,772	Additions		Landscaping/Roads	\$6,000	Equipment	\$530,764	Other(Fees)	\$148,464	Total:	\$1,570,000	<table border="1"> <tr><td>Tuition</td><td></td></tr> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations</td><td>\$1,000,000</td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other (Infrastructure Funds)</td><td>\$570,000</td></tr> <tr><td>Total:</td><td>\$1,570,000</td></tr> </table>	Tuition		Millage		Bond Proceeds		Donations	\$1,000,000	Federal		Other (Infrastructure Funds)	\$570,000	Total:	\$1,570,000
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<p>students.</p> <p>This project involves renovation of the third floor classrooms and corridor of Bessey Hall. The renovation will include the creation of two REAL rooms and the remaining classrooms will be renovated using a range of furniture options and technology. Informal seating and collaboration areas will be created in the common corridor space. The project will include accessibility improvements and limited environmental remediation</p>			
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<p>8 Artificial Turf Field</p> <p>The Spartan Marching Band requires a dependable, safe, and available football field surface for band practice in the fall of each year and a lighted field would provide increased safety. The Band currently practices at Demonstration Hall Field, but the location continues to be problematic because of the maintenance requirements and irrigation issues associated with a grass field. An artificial turf field would provide a safer and superior surface for the Band. Intramural sports activities, potential classes in Kinesiology, and other summer sports camps could also utilize the space. The new field will be located on the southeast corner of Munn Field, north of Shaw Lane between Birch Road and Chestnut Road in the athletic and recreation district. This project involves construction of a regulation-sized, artificial turf football field, in the same orientation as Spartan Stadium. The project will include a 32' high band tower, spectator seating, fencing and gates, underground utility work, equipment relocation, and site restoration. The field can be scheduled by intramural sports, classes, and summer sports camps for other activities when not in use by the Band.</p>	<p>Start Date: May-14</p> <p>Completion: August-14</p>	<table border="0"> <tr><td>Property Acquisition</td><td>_____</td></tr> <tr><td>Remodeling</td><td>_____</td></tr> <tr><td>Additions</td><td>_____</td></tr> <tr><td>Landscaping/Roads</td><td>\$948,764</td></tr> <tr><td>Equipment</td><td>\$115,000</td></tr> <tr><td>Other(Fees)</td><td>\$86,236</td></tr> <tr><td>Total:</td><td>\$1,150,000</td></tr> </table>	Property Acquisition	_____	Remodeling	_____	Additions	_____	Landscaping/Roads	\$948,764	Equipment	\$115,000	Other(Fees)	\$86,236	Total:	\$1,150,000	<table border="0"> <tr><td>Tuition</td><td>_____</td></tr> <tr><td>Millage</td><td>_____</td></tr> <tr><td>Bond Proceeds</td><td>_____</td></tr> <tr><td>Donations</td><td>\$1,150,000</td></tr> <tr><td>Federal</td><td>_____</td></tr> <tr><td>Other (Infrastructure Funds)</td><td>_____</td></tr> <tr><td>Total:</td><td>\$1,150,000</td></tr> </table>	Tuition	_____	Millage	_____	Bond Proceeds	_____	Donations	\$1,150,000	Federal	_____	Other (Infrastructure Funds)	_____	Total:	\$1,150,000
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<p>9 Veterinary Teaching Hospital - Nursing Care Unit Renovation</p> <p>The Veterinary Medical Center was built nearly 50 years ago. More than 5,000 animals receive treatment each year in the nursing and critical care units of the Veterinary Teaching Hospital. As with human hospitals, critical care and "step down" nursing care units are now staffed 24/7 with specialized personnel and equipment. Open floor plans have proven to be the most efficient for continuous patient monitoring and delivery of care. This project creates an open, flexible floor plan to allow for centralized observation and 24-hour specialized care, along with mechanical</p>	<p>Start Date: June-14</p> <p>Completion: September-14</p>	<table border="0"> <tr><td>Property Acquisition</td><td>_____</td></tr> <tr><td>Remodeling</td><td>\$1,811,141</td></tr> <tr><td>Additions</td><td>_____</td></tr> <tr><td>Landscaping/Roads</td><td>_____</td></tr> <tr><td>Equipment</td><td>\$22,919</td></tr> <tr><td>Other(Fees)</td><td>\$265,940</td></tr> <tr><td>Total:</td><td>\$2,100,000</td></tr> </table>	Property Acquisition	_____	Remodeling	\$1,811,141	Additions	_____	Landscaping/Roads	_____	Equipment	\$22,919	Other(Fees)	\$265,940	Total:	\$2,100,000	<table border="0"> <tr><td>Tuition</td><td>_____</td></tr> <tr><td>Millage</td><td>_____</td></tr> <tr><td>Bond Proceeds</td><td>_____</td></tr> <tr><td>Donations</td><td>\$1,400,000</td></tr> <tr><td>Federal</td><td>_____</td></tr> <tr><td>Other (Hospital Operations)</td><td>\$700,000</td></tr> <tr><td>Total:</td><td>\$2,100,000</td></tr> </table>	Tuition	_____	Millage	_____	Bond Proceeds	_____	Donations	\$1,400,000	Federal	_____	Other (Hospital Operations)	\$700,000	Total:	\$2,100,000
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