

Use and Finance Bi-Annual Reporting Form

Reporting Period: January 2018 through June 2018
 University/College: University of Michigan - Ann Arbor
 Number of Projects to Report: 18

Estimated Impact on Tuition and Fee Rates : \$0.00¹

| | Project Description | Project Timeline | Project Costs | | Funding Sources | |
|---|--|--|---|---|---|--|
| 1 | <p>1100 North University Building Laboratory Renovation</p> <p>The 1100 North University Building was built in 1925 and houses the Department of Earth and Environmental Sciences department. This project renovates existing laboratory rooms and associated spaces for the Stable Isotope Laboratory.</p> | Start Date: May-18 Completion: Apr-19 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 1,087,137 \$ \$ \$ 20,000 \$ 272,863 | Tuition Millage Bond Proceeds Donations Federal Other (College of Literature, Science, and the Arts resources) | \$ \$ \$ \$ \$ \$ 1,380,000 |
| 2 | <p>Art and Architecture Building Work Commons Renovation</p> <p>This project improves the Penny W. Stamps School of Art and Design instructional studio space in the Art and Architecture Building. A renovation of approximately 6,500 gross square feet will divide the two-story Work Commons gallery space, creating a new floor level of approximately 5,500 gross square feet. The new and renovated spaces will house studios, collaborative workshops, and seminar rooms. Infrastructure improvements will include replacement of the heating, ventilation, and air conditioning systems serving the impacted project space.</p> | Start Date: Mar-18 Completion: Dec-18 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 2,827,421 \$ \$ \$ 70,000 \$ 502,579 | Tuition Millage Bond Proceeds Donations Federal Other (Penny W. Stamps School of Art and Design gifts and resources and Office of the Provost resources) | \$ \$ \$ \$ \$ \$ 3,400,000 |
| 3 | <p>Auxiliary Services Building 1 Thermal Hydraulic Laboratory Renovation</p> <p>This project renovates approximately 6,200 gross square feet of existing space within Auxiliary Services Building 1 to serve as a new thermal hydraulic laboratory for the College of Engineering. The dry laboratory will house apparatus to research and improve the safety of commercial nuclear power plants by modeling heat transfer and fluid flow.</p> | Start Date: Feb-18 Completion: Nov-18 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 2,300,034 \$ \$ \$ 3,000 \$ 468,966 | Tuition Millage Bond Proceeds Donations Federal Other (College of Engineering resources) | \$ \$ \$ \$ \$ \$ 2,772,000 |
| | | | Total: | \$ 1,380,000 | Total: | \$ 1,380,000 |
| | | | Total: | \$ 3,400,000 | Total: | \$ 3,400,000 |
| | | | Total: | \$ 2,772,000 | Total: | \$ 2,772,000 |

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| 4 | <p>Camp Davis Rocky Mountain Field Station Student Cabin and Support Facilities Replacement</p> <p>Established in 1929, the Camp Davis Rocky Mountain Field Station is a research and teaching facility owned by the University of Michigan and operated by the Department of Earth and Environmental Sciences. Located approximately thirty miles south of Jackson, Wyoming, the approximately 120-acre facility offers courses in geology, environmental science and the humanities, and is also used for academic conferences, alumni gatherings and guest programs. The College of Literature, Science, and the Arts is demolishing the majority of the outdated student-assigned cabins and bathhouses that are original to the camp's construction. Thirty new modular cabins will be constructed, each approximately 300 gross square feet including a living/sleeping area and a bathroom with a shower. The camp's Johnston Hall recreational facility that was destroyed by a tree during a recent winter storm will be replaced with a new, approximately 1,800-gross-square-foot recreational facility that will include open recreational space, restrooms, and a laundry room. The project also includes required upgrades to the electrical, water supply, and septic systems to support the new cabins and recreation hall.</p> | <p>Start Date: May-18 Completion: Sep-19</p> | <p>Property Acquisition \$ _____ Remodeling \$ _____ Additions/New Construction \$ 5,548,833 Landscaping/Roads \$ _____ Equipment/Furnishings \$ _____ Other (Professional Fees, Other Orders) \$ 951,167</p> <p>Total: \$ 6,500,000</p> | <p>Tuition \$ _____ Millage \$ _____ Bond Proceeds \$ _____ Donations \$ _____ Federal \$ _____ Other (College of Literature, Science, and the Arts gifts and resources) \$ 6,500,000</p> <p>Total: \$ 6,500,000</p> |
| 5 | <p>Central Campus Storm Water Infiltration System</p> <p>This project constructs an underground storm water infiltration system east of State Street under the lawn area southwest of Angell Hall and northwest of Alumni Memorial Hall. Buildings in this area have historically flooded because there is a lack of capacity in the City of Ann Arbor's storm water system that flows into the Allen Creek drain, and there is no simple solution to re-route storm water from this area. With this project, nine acres of storm water flow from the west side of the Diag will be redirected to this infiltration system and taken out of the volume of storm water flowing to the Allen Creek drain. For a 100-year storm event, that will equate to approximately 750,000 gallons of water. Because the system relies on the relatively slow seepage of water into the ground, multiple rain events or more unusual amounts of rain could overwhelm the system.</p> | <p>Start Date: Mar-18 Completion: Dec-18</p> | <p>Property Acquisition \$ _____ Remodeling \$ _____ Additions/New Construction \$ _____ Landscaping/Roads \$ 3,879,532 Equipment/Furnishings \$ _____ Other (Professional Fees, Other Orders) \$ 620,468</p> <p>Total: \$ 4,500,000</p> | <p>Tuition \$ _____ Millage \$ _____ Bond Proceeds \$ _____ Donations \$ _____ Federal \$ _____ Other (Utilities resources and Investment proceeds) \$ 4,500,000</p> <p>Total: \$ 4,500,000</p> |

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| 6 | <p>Church Street Parking Structure Repairs</p> <p>The Church Street Parking Structure was built in 1957. The existing structural concrete members are original to the building and are deteriorating. This project repairs structural concrete members and includes waterproofing to protect structural elements.</p> | <p>Start Date: Apr-18 Completion: Nov-18</p> | <p>Property Acquisition \$ _____ Remodeling \$ 865,722 Additions/New Construction \$ _____ Landscaping/Roads \$ _____ Equipment/Furnishings \$ _____ Other (Professional Fees, Other Orders) \$ 134,278 Total: \$ 1,000,000</p> | <p>Tuition \$ _____ Millage \$ _____ Bond Proceeds \$ _____ Donations \$ _____ Federal \$ _____ Other (Logistics, Transportation & Parking resources) \$ 1,000,000 Total: \$ 1,000,000</p> |
| 7 | <p>Fletcher Street Parking Structure Repairs</p> <p>The Fletcher Street Parking Structure was built in 1968. The storm risers and floor drains are original to the structure. These original items are deteriorated and need replacement for proper functioning of the storm water collection system. This project waterproofs Level 2 of the parking structure and replaces storm risers and floor drains.</p> | <p>Start Date: May-18 Completion: Nov-18</p> | <p>Property Acquisition \$ _____ Remodeling \$ 880,416 Additions/New Construction \$ _____ Landscaping/Roads \$ _____ Equipment/Furnishings \$ _____ Other (Professional Fees, Other Orders) \$ 119,584 Total: \$ 1,000,000</p> | <p>Tuition \$ _____ Millage \$ _____ Bond Proceeds \$ _____ Donations \$ _____ Federal \$ _____ Other (Logistics, Transportation & Parking resources) \$ 1,000,000 Total: \$ 1,000,000</p> |
| 8 | <p>Ford Motor Company Robotics Building</p> <p>The Ford Motor Company Robotics Building is a four-story, approximately 140,000-gross-square-foot research and teaching facility for the College of Engineering's robotics program. The project will accommodate space for its corporate partner Ford Motor Company that will locate collaborative research activities within the new building. This new state-of-the-art facility will house research and testing laboratories, associated support functions, offices and classroom space. These spaces will be constructed in an open plan to allow for greater collaboration, increased flexibility, and better space utilization. Several of the key testing labs include a robot walking lab, a flight testing lab, a rehabilitation robotics lab, and labs for electronics and software development.</p> | <p>Start Date: Mar-18 Completion: Mar-20</p> | <p>Property Acquisition \$ _____ Remodeling \$ _____ Additions/New Construction \$ 63,913,068 Landscaping/Roads \$ _____ Equipment/Furnishings \$ 1,000,000 Other (Professional Fees, Telecommunications, Other Orders) \$ 10,086,932 Total: \$ 75,000,000</p> | <p>Tuition \$ _____ Millage \$ _____ Bond Proceeds \$ _____ Donations \$ 15,000,000 Federal \$ _____ Other (College of Engineering resources, gifts, and a lump sum contribution by Ford Motor Company) \$ 60,000,000 Total: \$ 75,000,000</p> |

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| 9 | Edward Henry Kraus Building Renovation and Addition The approximately 183,000-gross-square-foot Edward Henry Kraus Building was constructed in 1915 and houses the Department of Ecology and Evolutionary Biology and the Department of Molecular, Cellular, and Developmental Biology in the College of Literature, Science, and the Arts. We will relocate both of these departments to the Biological Science Building. This project enables the School of Kinesiology to consolidate its programs and operations currently in the School of Kinesiology Building, the Central Campus Recreation Building, and leased space to Kraus and provide space for future growth. A deep renovation of Kraus is planned as well as construction of a 62,000-gross-square-foot infill addition within the exterior courtyard. | Start Date: Sep-18 Completion: Dec-20 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 104,982,200 \$ \$ \$ \$ 15,017,800 | Tuition Millage Bond Proceeds Donations Federal Other (Office of the Provost resources) | \$ \$ \$ \$ \$ \$ 120,000,000 |
| | | | Total: | \$ 120,000,000 | Total: | \$ 120,000,000 |
| 10 | Literature, Science, and the Arts Second Floor Improvements Phase 3 This project renovates approximately 7,700 gross square feet of space on the second floor to create offices and conference rooms. In addition, this project will improve the electrical, mechanical, and fire suppression systems. | Start Date: Dec-17 Completion: Jun-18 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 770,356 \$ \$ \$ \$ 229,644 | Tuition Millage Bond Proceeds Donations Federal Other (College of Literature, Science, and the Arts resources) | \$ \$ \$ \$ \$ \$ 1,000,000 |
| | | | Total: | \$ 1,000,000 | Total: | \$ 1,000,000 |
| 11 | Medical Science Unit I Renovate Sixth and Seventh Floors The Medical Science Unit I building was built in 1958. This project renovates approximately 13,500 gross square feet of office space to allow for the relocation of staff from the Office of the Executive Vice President for Medical Affairs. | Start Date: Apr-18 Completion: Aug-18 | Property Acquisition Remodeling Additions/New Construction Landscaping/Roads Equipment/Furnishings Other (Professional Fees, Telecommunications, Other Orders) | \$ \$ 1,216,624 \$ \$ \$ \$ 283,376 | Tuition Millage Bond Proceeds Donations Federal Other (Medical School resources) | \$ \$ \$ \$ \$ \$ 1,500,000 |
| | | | Total: | \$ 1,500,000 | Total: | \$ 1,500,000 |

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| 12 | <p>Michigan League Retail Market</p> <p>The Michigan League was built in 1929 and provides the university community with elegant facilities and catering services. This project renovates the market, food service areas, entryway, and seating areas on the first floor.</p> | Start Date: Apr-18 Completion: Aug-18 | Property Acquisition \$ Remodeling \$ 2,060,388 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ 150,000 Other (Professional Fees, Telecommunications, Other Orders) \$ 439,612 Total: \$ 2,650,000 | Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Student Life resources) \$ 2,650,000 Total: \$ 2,650,000 |
| 13 | <p>Michigan Union Renovation</p> <p>The Michigan Union was originally constructed in 1919. This project is a deep renovation of this 250,000-gross-square-foot landmark of both architectural and historical significance. This project improves accessibility under the Americans with Disabilities Act; creates social space on the main level by enclosing the courtyard; expands and improves informal gathering spaces; creates state-of-the-art student organization and student involvement space; creates appropriate spaces for counseling and student support services; and adds additional meeting space near the main ballroom. The project will also address deferred maintenance, including life safety, electrical, mechanical, and plumbing system improvements; elevator replacements and upgrades; replacement of the roof and restoration and replacement of windows; interior finish upgrades on floors one through four; and restroom upgrades.</p> | Start Date: May-18 Completion: Mar-20 | Property Acquisition \$ Remodeling \$ 73,885,740 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ 310,000 Other (Professional Fees, Telecommunications, Other Orders) \$ 11,004,260 Total: \$ 85,200,000 | Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Student Life Student Fee for Facility Renewal and Investment proceeds) \$ 85,200,000 Total: \$ 85,200,000 |
| 14 | <p>North Campus Research Complex Buildings 20 and 25 Laboratory Renovation</p> <p>Constructed in 1959 and 1984, North Campus Research Complex Building 20 and Building 25 contains approximately 285,000 gross square feet of primarily unoccupied wet laboratory space. This project renovates approximately 158,000 gross square feet of space within both buildings to accommodate the Medical School's wet laboratory research growth over the next decade. A 6,900-gross-square-foot infill addition will be constructed to improve connectivity between the buildings and throughout the complex. The project also addresses deferred maintenance in both buildings, including heating, ventilation, air conditioning, electrical, and life safety system upgrades, as well as code-related items; and provides accessibility improvements and new finishes in public spaces.</p> | Start Date: Jun-18 Completion: Dec-19 | Property Acquisition \$ Remodeling \$ 66,189,976 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ 2,552,000 Other (Professional Fees, Telecommunications, Moving) \$ 9,758,024 Total: \$ 78,500,000 | Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Medical School resources) \$ 78,500,000 Total: \$ 78,500,000 |

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| 15 | <p>Robert Preston Tisch Tennis Building Air Handling Unit Upgrades</p> <p>The Tisch Tennis Building was constructed in 1997 to serve both the men's and women's varsity tennis programs. The existing air handling units are original to the construction of the facility and nearing the end of their useful lives and do not include capacity for air conditioning. This project will replace the rooftop air handler units with new units that include direct expansion for air conditioning. A new domestic hot water heater is also being provided.</p> | <p>Start Date: Jan-18 Completion: Aug-18</p> | <p>Property Acquisition \$ Remodeling \$ 1,092,186 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ Other (Professional Fees, Other Orders) \$ 119,814 Total: \$ 1,212,000</p> | <p>Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Athletic Department resources) \$ 1,212,000 Total: \$ 1,212,000</p> |
| 16 | <p>Stephen M. Ross School of Business Exterior Completion</p> <p>The Stephen M. Ross School of Business has received a gift to complete exterior enhancements that will unify the appearance of the complex. The scope of this project includes installation of new glass and metal panels and additional stone and terra cotta to be added to the Business Administration Executive Dormitory, Sam Wyly Hall, and Hill Street Parking Structure in select locations.</p> | <p>Start Date: May-18 Completion: Jun-19</p> | <p>Property Acquisition \$ Remodeling \$ 8,255,000 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ Other (Professional Fees, Other Orders) \$ 1,045,000 Total: \$ 9,300,000</p> | <p>Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ 9,300,000 Federal \$ Other \$ Total: \$ 9,300,000</p> |
| 17 | <p>School of Education Third Floor Renovations</p> <p>The School of Education Building was constructed in 1923. The School of Education in collaboration with the College of Literature, Science, and the Arts will renovate approximately 7,000 gross square feet of office space that previously housed a computer repair center. This space will provide offices and research space for the Museum of Anthropological Archaeology.</p> | <p>Start Date: May-18 Completion: Sep-18</p> | <p>Property Acquisition \$ Remodeling \$ 956,820 Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ 403,000 Other (Professional Fees, Telecommunications, Moving) \$ 340,180 Total: \$ 1,700,000</p> | <p>Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Office of the Provost resources) \$ 1,700,000 Total: \$ 1,700,000</p> |
| 18 | <p>Horace H. Rackham Educational Memorial 100 Farnsworth Street, Detroit, Michigan (property acquisition only)</p> | <p>Start Date: Jul-17 Completion: Jan-18</p> | <p>Property Acquisition \$ 5,088,000 Remodeling \$ Additions/New Construction \$ Landscaping/Roads \$ Equipment/Furnishings \$ Other (Professional Fees, Telecommunications, Moving) \$ Total: \$ 5,088,000</p> | <p>Tuition \$ Millage \$ Bond Proceeds \$ Donations \$ Federal \$ Other (Investment proceeds) \$ 5,088,000 Total: \$ 5,088,000</p> |

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