## Use and Finance Bi-Annual Reporting Form

## **Reporting Period:**

University/College: Michigan State University

Number of Project to Report:

Estimated Impact on Tuition and Fee Rates¹: 0%

<sup>&</sup>lt;sup>1</sup>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.

| 1 | Eli Broad College of Business - Addition No. 2 -    | Start Date: | June-17     | Property Acquisition |              | Tuition                     |              |
|---|---|-------------|-------------|----------------------|--------------|-----------------------------|--------------|
|   | Pavilion (CP14217)                                  | Completion: | July-19     | Remodeling           |              | Millage                     |              |
|   | The MBA program in the Broad College of             |             | ,           | ŭ                    |              |                             |              |
|   | Business is ranked 14th among public universities   |             |             | Additions            | \$49,462,895 | Bond Proceeds               |              |
|   | and 35th overall in the latest U.S. News & World    |             |             | Landscaping/Roads    | \$323,000    | Donations                   | \$62,000,000 |
|   | Report. The pavilion will house the MBA program     |             |             | Equipment            | \$3,924,710  | Federal                     |              |
|   | and professional graduate programs of the Eli       |             |             | Other(Fees)          | \$8,289,395  | Other (Auxiliary-MSU        | -            |
|   | Broad Graduate School of Management. The            |             |             |                      | , -,,        | infrastructure reserve and  |              |
|   | facility, with its new teaching and learning spaces |             |             |                      |              | research grant overhead     |              |
|   | supporting a new curriculum, will foster an         |             |             |                      |              | returns )                   |              |
|   | academic ecosystem that uses technology and         |             |             | Total:               | \$62,000,000 | Total:                      | \$62,000,000 |
|   | collaborative spaces to train future business       |             |             |                      |              |                             |              |
|   | leaders, including engaging students with           |             |             |                      |              |                             |              |
|   | corporate executives, employers, and alumni. It     |             |             |                      |              |                             |              |
|   | will include demolition of the west wing of the     |             |             |                      |              |                             |              |
|   | Eppley Building and its replacement with a          |             |             |                      |              |                             |              |
|   | 100,000 square foot three-story addition with       |             |             |                      |              |                             |              |
|   | walkways to the Eppley Center and the North         |             |             |                      |              |                             |              |
|   | Business Complex. The addition includes             |             |             |                      |              |                             |              |
|   | classrooms, teaching labs, program offices,         |             |             |                      |              |                             |              |
|   | career management offices and interview             |             |             |                      |              |                             |              |
|   | facilities, student interaction spaces, and multi-  |             |             |                      |              |                             |              |
|   | purpose and amenity spaces. It will integrate       |             |             |                      |              |                             |              |
|   | with the existing business complex to create a      |             |             |                      |              |                             |              |
|   | unified facility and an iconic presence and a       |             |             |                      |              |                             |              |
|   | prominent entrance for the College, while making    |             |             |                      |              |                             |              |
|   | the best use of the site. LEED gold certification   |             |             |                      |              |                             |              |
|   | will be sought for the addition.                    |             |             |                      |              |                             |              |
|   |   |             |             |                      |              |                             |              |
|   |   |             |             |                      |              |                             |              |
|   |   |             |             |                      |              |                             |              |
|   |   | 1           |             |                      |              |                             |              |
| 2 | Spartan Stadium - Install Permanent Field           | Start Date: | February-17 | Property Acquisition |              | Tuition                     |              |
|   | Lighting (CP15105)                                  | Completion: | July-17     | Remodeling           |              | Millage                     |              |
|   | The Athletics Department rents lighting systems     |             |             | -                    |              |                             |              |
|   | to temporarily light the Spartan Stadium field for  |             |             | Additions            | \$1,873,262  | Bond Proceeds               |              |
|   | night-time events. Currently, these are provided    |             |             | Landscaping/Roads    | \$25,000     | Donations                   |              |
|   | and paid for by the television networks             |             |             | Equipment            | \$15,000     | Federal                     |              |
|   | broadcasting from the facility. The installation of |             |             | Other(Fees)          | \$86,738     | Other (Auxiliary-MSU        | \$2,000,000  |
|   | permanent lighting is a consequence of the new      |             |             |                      |              | Intercollegiate Athletics ) |              |
|   | Big Ten Conference broadcast agreements, which      |             |             | Total:               | \$2,000,000  | Total:                      | \$2,000,000  |
|   | go into effect for the 2017 football season. The    |             |             |                      |              |                             |              |
|   | new field lighting will also meet NCAA National     |             |             |                      |              |                             |              |
|   | Championship broadcast lighting levels of 150       |             |             |                      |              |                             |              |
|   | vertical foot candles and be fully controllable.    |             |             |                      |              |                             |              |
|   | This project includes installation of permanent     |             |             |                      |              |                             |              |
|   | field lighting at Spartan Stadium. Fixtures will be |             |             |                      |              |                             |              |
|   | installed on the west side tower roof and on        |             |             |                      |              |                             |              |
|   | poles at the east side of the stadium. The lighting |             |             |                      |              |                             |              |
|   | system will be energy-efficient, using LED          |             |             |                      |              |                             |              |
|   | technology.   |             |             |                      |              |                             |              |
|   |   | l           |             | l                    |              |                             |              |

| 3 | Parking Lot 92 Reconstruction and Expansion   | Start Date: | May-17       | Property Acquisition |             | Tuition                      |             |
|---|---|-------------|--------------|----------------------|-------------|------------------------------|-------------|
|   | (CP15193)   | Completion: | July-17      | Remodeling           |             | Millage                      |             |
|   | Parking Lot 92 was constructed in 1974. The   |             |              |                      |             |                              |             |
|   | pavement structurehas deteriorated to a point   |             |              | Additions            |             | Bond Proceeds                |             |
|   | that requres full reconstruction of the existing  |             |              | Landscaping/Roads    | \$1,212,900 | Donations                    |             |
|   | lot. Expansion of Lot 92 would provide overflow   |             |              | Equipment            |             | Federal                      |             |
|   | parking for the Bio Engineering Research facility.  |             |              | Other(Fees)          | \$207,100   | Other (Auxiliary-MSU Parking | \$1,420,000 |
|   | The installation of the solar arrays on this lot is   |             |              |                      |             | System )                     |             |
|   | pending. Reconstruction of the parking lot will be  | :           |              |                      |             | ,                            |             |
|   | much more efficient prior to the installation of  |             |              | Total:               | \$1,420,000 | Total:                       | \$1,420,000 |
|   | the solar arrays.   |             |              |                      | 7-7:7:      |                              |             |
|   | Parking Lot 92 is located on the northeast corner   |             |              |                      |             |                              |             |
|   | of Service Road and Bogue Street. This project  |             |              |                      |             |                              |             |
|   | will include reconstruction of existing pavement,   |             |              |                      |             |                              |             |
|   | alignment of crosswalks, expansion immediately  |             |              |                      |             |                              |             |
|   | to the east for a net increase of 95 parking  |             |              |                      |             |                              |             |
|   | spaces, and drainage system improvements.   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
| 4 | IM Sports West - Selected Infrastructure System   | Start Date: | May-17       | Property Acquisition |             | Tuition                      |             |
|   | Upgrades (CP15250)  | Completion: | September-17 | Remodeling           |             | Millage                      |             |
|   | The IM West Building was constructed in 1958. It  |             |              |                      |             |                              |             |
|   | is an integral part of providing recreation, fitness,   |             |              | Additions            | \$3,217,823 | Bond Proceeds                |             |
|   | and athletic opportunities to the campus  |             |              |                      | , ,         |                              |             |
|   | community. The heating, ventilation, and air  |             |              |                      |             |                              |             |
|   | conditioning (HVAC) equipment serving the   |             |              |                      |             |                              |             |
|   | indoor pool and locker rooms is deteriorating and   |             |              | Landscaping/Roads    | \$6,000     | Donations                    |             |
|   | at the end of its useful life. Replacement of the   |             |              | Equipment            | \$103,000   | Federal                      |             |
|   | HVAC system at this time is necessary to ensure   |             |              | Other(Fees)          | \$668,177   | Other (MSU infrastructure    | \$3,995,000 |
|   | continued availability of the pool for the range of   |             |              |                      |             | ="                           |             |
|   | activities held at this venue. The scoreboard will  |             |              | Total:               | \$3,995,000 | Total:                       | \$3,995,000 |
|   | also be replaced. The project will include  |             |              |                      |             |                              |             |
|   | upgrading the indoor pool by replacing the  |             |              |                      |             |                              |             |
|   | existing HVAC systems, scoreboard, ceiling, and   |             |              |                      |             |                              |             |
|   | lights, automating the pool water temperature   |             |              |                      |             |                              |             |
|   | control system, painting and masonry repair in  |             |              |                      |             |                              |             |
|   | the pool, upgrading structural and electrical   |             |              |                      |             |                              |             |
|   | systems, and adding fire protection. The project  |             |              |                      |             |                              |             |
|   | will also include updates to the locker rooms.  |             |              |                      |             |                              |             |
|   | will also include appeares to the locker rooms.   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
|   |   |             |              |                      |             |                              |             |
| 5 | Parking Lot 63 Reconstruction and Expansion   | Start Date: | June-17      | Property Acquisition |             | Tuition                      |             |
|   | (CP15267)   | Completion: | August-17    | Remodeling           |             | Millage                      |             |
|   | Parking Lot 63 is located south of the Breslin  |             | Ü            | Ü                    |             |                              |             |
|   | Center and was constructed in 1989. The   |             |              | Additions            |             | Bond Proceeds                |             |
|   | pavement structure has deteriorated to a point  |             |              | Landscaping/Roads    | \$1,322,226 | Donations                    |             |
|   | that requires full reconstruction of the existing   |             |              | Equipment            | \$15,000    | Federal                      |             |
|   |   |             |              | Other(Fees)          | \$162,774   |                              | \$1,500,000 |
|   | lot. Additionally, the current entrance from  |             |              |                      | 2102.//4    | Other (Auxiliary-MSU Parking |             |
|   |   |             |              | Other(rees)          | ,           | System )                     | \$1,500,000 |
|   | lot. Additionally, the current entrance from  |             |              |                      |             | System )                     |             |
|   | lot. Additionally, the current entrance from<br>Harrison Road causes safety concerns and does<br>not permit the University to maximize the  |             |              | Total:               | \$1,500,000 | System )<br>Total:           | \$1,500,000 |
|   | lot. Additionally, the current entrance from<br>Harrison Road causes safety concerns and does<br>not permit the University to maximize the<br>number of spaces in the lot. Lot 63 is located on   |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from<br>Harrison Road causes safety concerns and does<br>not permit the University to maximize the  |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service   |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth  |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot,   |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with pay-  |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with payto-park kiosks, improved stormwater  |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with payto-park kiosks, improved stormwater management, and a net increase of 80 parking   |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with pay-to-park kiosks, improved stormwater management, and a net increase of 80 parking spaces. The project will improve vehicular   |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with pay-to-park kiosks, improved stormwater management, and a net increase of 80 parking spaces. The project will improve vehicular circulation, including truck access to the tunnel |             |              |                      |             |                              |             |
|   | lot. Additionally, the current entrance from Harrison Road causes safety concerns and does not permit the University to maximize the number of spaces in the lot. Lot 63 is located on the south side of the Breslin Center at the corner of Harrison Road and Shaw Lane in the service district. This project will include full depth replacement of both the east and west lot, replacement of the parking pay booth with pay-to-park kiosks, improved stormwater management, and a net increase of 80 parking spaces. The project will improve vehicular   |             |              |                      |             |                              |             |

| 6 | Ralph Young Track -Replace Field Hockey Surface (CP16083)  | Start Date: | May-17    | Property Acquisition           |             | Tuition                     |             |
|---|--|-------------|-----------|--------------------------------|-------------|-----------------------------|-------------|
|   | The current field hockey pitch (playing surface) has exceeded its useful life and requires           | Completion: | July-17   | Remodeling                     |             | Millage                     |             |
|   | replacement. Failures in the subsurface are  |             |           | L                              |             |                             |             |
|   | beyond repair. Seams are failing, potentially affecting player safety and game integrity. After      |             |           | Additions<br>Landscaping/Roads | \$1,344,215 | Bond Proceeds  Donations    |             |
|   | evaluating turf and subsurface options, full   |             |           | Equipment                      | 71,344,213  | Federal                     | -           |
|   | replacement of turf and subsurface is preferred  |             |           | Other(Fees)                    | \$105,785   | Other (Auxiliary-MSU        | \$1,450,000 |
|   | to repair. This option will provide a better playing   |             |           |                                | 44 450 000  | Intercollegiate Athletics ) | 44 450 000  |
|   | surface and added flexibility and longevity to the complex. Ralph Young Field is located on the      |             |           | Total:                         | \$1,450,000 | Total:                      | \$1,450,000 |
|   | corner of Shaw Lane and Chestnut Road in the   |             |           |                                |             |                             |             |
|   | athletic and recreation district. This project will  |             |           |                                |             |                             |             |
|   | include replacing the artificial turf and subsurface   |             |           |                                |             |                             |             |
|   | E-Layer (from E-Layer to porous asphalt),<br>repairing the existing curb foundation at the           |             |           |                                |             |                             |             |
|   | perimeter of field, repairing cracks, repainting   |             |           |                                |             |                             |             |
|   | the existing asphalt surface between the field   |             |           |                                |             |                             |             |
|   | and the track, and upgrading the existing  |             |           |                                |             |                             |             |
|   | irrigation system. The irrigation system is required to maintain a safe and consistent               |             |           |                                |             |                             |             |
|   | playing surface. NCAA rules require surface  |             |           |                                |             |                             |             |
|   | hydration of the field hockey pitch, as the  |             |           |                                |             |                             |             |
|   | moisture helps to reduce injuries and holds the  |             |           |                                |             |                             |             |
|   | ball to the turf, providing a more consistent playing surface.                                       |             |           |                                |             |                             |             |
|   |  |             |           |                                |             |                             |             |
| 7 | Hubbard Hall - Exterior Masonry Repair (phase II)  | Start Date: | May-17    | Property Acquisition           |             | Tuition                     |             |
|   | Hubbard Hall opened in 1966. It is the tallest residence hall on campus, standing at 12 floors in    |             |           |                                |             |                             |             |
|   | two separate buildings - north and south. A 2013   | Completion: | August-17 | J<br>Remodeling                | \$2,299,512 | Millage                     |             |
|   | study of its structural condition revealed a   |             |           | 1                              |             |                             |             |
|   | number of issues that must be addressed to keep<br>the building safe and functional. Hubbard Hall is |             |           | Additions<br>Landscaping/Roads | \$5,500     | Bond Proceeds  Donations    |             |
|   | located west of Hagadorn Road in the residential   |             |           | Equipment                      | \$194,988   | Federal                     |             |
|   | district. This project involves complete masonry   |             |           | Other(Fees)                    | ψ13 1,300   | Other (Auxiliary-MSU        | \$2,500,000 |
|   | repairs to the facade and removal and  |             |           |                                |             | Residential and Hospitality |             |
|   | replacement of windows on the west facade of   |             |           | Total                          | ć2 F00 000  | Services )                  | ¢2 500 000  |
|   | the south tower.   |             |           | Total:                         | \$2,500,000 | Total:                      | \$2,500,000 |
|   |  |             |           |                                |             |                             |             |
|   |  |             |           |                                |             |                             |             |
|   |  |             |           |                                |             |                             |             |

| 8 Instructional Space Improvements - Veterinary  | Start Date: | May-17       | Property Acquisition |             | Tuition   |             |
|--|-------------|--------------|----------------------|-------------|---|-------------|
| Medical Center (CP16171)   | Start Date. | iviay-1/     | Toperty Acquisition  |             | TultiOII  |             |
| Instructional space in the Veterinary Medical  |             |              |                      |             |   |             |
| Center (VMC) is over 50 years old and is   | Completion: | August-17    | Remodeling           | \$1,024,500 | Millage   |             |
| considered a core instructional space. The E100  |             | -            | -                    |             |   |             |
| lecture hall seats 522 students and provides   |             |              | Additions            |             | Bond Proceeds                                     |             |
| instructional space for a wide range of disciplines  | ,           |              | Landscaping/Roads    |             | Donations   |             |
| serving thousands of students each day. The last   |             |              | Equipment            | \$317,000   | Federal   |             |
| major investment in this space occurred in the   |             |              | Other(Fees)          | \$158,500   | Other (MSU facility reserve                       | \$1,500,000 |
| 1990's. Renewed investment in this instructional   |             |              |                      |             | and teaching and learning                         |             |
| resource is necessary to provide facilities and  |             |              |                      |             | environment funds)                                |             |
| technology that enhance teaching and learning  |             |              | Total:               | \$1,500,000 | Total:  | \$1,500,000 |
| and contribute to student success. The   |             |              |                      |             |   |             |
| renovation at the VMC will create a high-impact  |             |              |                      |             |   |             |
| and more active learning environment. This project will involve a comprehensive renovation |             |              |                      |             |   |             |
| of lecture hall E100 in the VMC. The renovations   |             |              |                      |             |   |             |
| include new flooring, ceilings, lighting, furniture,                                       |             |              |                      |             |   |             |
| paint, and technology. The projection booth will   |             |              |                      |             |   |             |
| be removed and adjacent corridors will be  |             |              |                      |             |   |             |
| renovated to provide for ADA compliance  |             |              |                      |             |   |             |
| through restroom upgrades and quiet study and  |             |              |                      |             |   |             |
| testing spaces, and to provide enhanced student  |             |              |                      |             |   |             |
| seating and space for collaboration and informal   |             |              |                      |             |   |             |
| learning opportunities.  |             |              |                      |             |   |             |
|  |             |              |                      |             |   |             |
|  |             |              |                      |             |   |             |
|  |             |              |                      |             |   |             |
| 9 Instructional Space Improvements - Bessey Hall   | Start Date: | May-17       | Property Acquisition |             | Tuition   |             |
| (CP16172)  | Start Date. | iviay-17     | Froperty Acquisition |             | Tultion   |             |
| Instructional spaces in Bessey Hall are over 50  |             |              |                      |             |   |             |
| years old and are considered core instructional  | Completion: | August-17    | ⊒<br>Remodeling      | \$1,885,150 | Millage   |             |
| spaces. This building houses 23 classrooms   |             |              |                      | 7-/000/-00  |   |             |
| ranging in capacity from 24-338 seats, providing   |             |              | Additions            |             | Bond Proceeds                                     |             |
| instructional space for a wide range of disciplines  |             |              | Landscaping/Roads    | \$11,000    | Donations   |             |
| and serving thousands of students each day. With   | n           |              | Equipment            | \$192,575   | Federal   |             |
| the exception of the 2014 renovation of the third  |             |              | Other(Fees)          | \$811,275   | Other (MSU facility reserve                       | \$2,900,000 |
| floor of Bessey Hall, the last major investment in   |             |              |                      |             | and teaching and learning                         |             |
| these spaces occurred in the 1990's. Renewed   |             |              |                      |             | environment funds)                                |             |
| investment in these instructional resources is   |             |              | Total:               | \$2,900,000 | Total:  | \$2,900,000 |
| necessary to provide facilities and technology   |             |              |                      |             |   |             |
| that enhance teaching and learning and   |             |              |                      |             |   |             |
| contribute to student success. This project will involve a comprehensive renovation of     |             |              |                      |             |   |             |
| instructional space (11 classrooms and one   |             |              |                      |             |   |             |
| lecture hall) on the first and second floors. The  |             |              |                      |             |   |             |
| renovations include new flooring, ceilings,  |             |              |                      |             |   |             |
| lighting, furniture, paint, window coverings, and  |             |              |                      |             |   |             |
| technology. Adjacent corridors will be renovated   |             |              |                      |             |   |             |
| to provide for ADA compliance through restroom   |             |              |                      |             |   |             |
| upgrades and quiet study and testing spaces, and   |             |              |                      |             |   |             |
| to provide enhanced student seating and space  |             |              |                      |             |   |             |
| for collaboration and informal learning  |             |              |                      |             |   |             |
| opportunities.   |             |              |                      |             |   |             |
|  |             |              |                      |             |   |             |
|  |             |              |                      |             |   |             |
| 10 Wharton Center - Replace Roofs (CP16193)  | Start Date: | June-17      | Property Acquisition |             | Tuition   |             |
| The Wharton Center was constructed in 1982.  |             |              |                      |             |   |             |
| Sections of the original roof are  |             |              | _                    |             |   |             |
| starting to fail, which could lead to structural and                                       | Completion: | September-17 | Remodeling           | \$1,640,850 | Millage   |             |
| cosmetic building damage. The project will   |             |              |                      |             |   |             |
| include removing and replacing deteriorated roof   | 1           |              | Additions            |             | Bond Proceeds                                     |             |
| sections.  |             |              | Landscaping/Roads    | \$30,000    | Donations   |             |
|  |             |              | Equipment            | 670.450     | Federal   | Ć4 750 000  |
|  |             |              | Other(Fees)          | \$79,150    | Other (Auxiliary-MSU                              | \$1,750,000 |
|  |             |              |                      |             | infrastructure reserve and Wharton Center funds ) |             |
|  |             |              | Total:               | \$1,750,000 | Total:  | \$1,750,000 |
|  |             |              |                      | 71,750,000  |   | 71,750,000  |
| •  | •           |              | •                    |             |   |             |

| Tuition  Spartan Stadium - South End Zone Addition (CP16298)  The south end of Spartan Stadium is lacking in fan amenities, with limited concessions and no restrooms. Fans must use inconvenient facilities in the east or west sides of the Stadium, which creates congestion. In addition, the Department of Flomeland Security has recommended changes to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  Start Date: February-17 Property Acquisition  Tuition  Tuition  Tuition  Millage  Millage  Millage  Millage  Millage  Millage  Millage  Start Date: February-17 Remodeling  Millage  Millage  Millage  Start Date: August-17 Remodeling  Millage  Millage  Start Date: August-17 Total: Single Milling  Millage  Property Acquisition  Total: \$13,000,000  Total: \$13,000,000  Total: Single Academic Development Initiative - Start Date: April-17 Property Acquisition  Tuition   | \$13,000,000<br>\$13,000,000 |
|---|------------------------------|
| amenities, with limited concessions and no restrooms. Fans must use inconvenient facilities in the east or west sides of the Stadium, which creates congestion. In addition, the Department of Flomeland Security has recommended changes to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  Completion: August-17  Remodeling  Additions \$10,710,050 Landscaping/Roads \$1,140,000 Completion: August-17  Remodeling  Millage  Millage  Square foot additions \$1,140,000 Completion: August-17  Remodeling  Millage  Millage  Square foot additions \$1,140,000 Completion: August-17  Remodeling  Millage  Square foot additions \$1,140,000 Completion: August-17  Remodeling  Millage  Square foot additions \$1,140,000 Completion: August-17  Remodeling  Millage  Square foot addition focused on provide \$1,140,000 Completion: August-17  Remodeling  Millage  Square foot addition focused on provide \$1,140,000 Completion: August-17  Remodeling  Additions \$1,140,000 Completion: August-17  Remodeling  Additions \$1,140,000 Completion: August-17  Remodeling  Additions Square foot addition focused on provide \$1,140,000 Completion: August-17  Remodeling  Additions Square foot addition focused on provide \$1,140,000 Completion: August-17  Remodeling  Additions Square foot addition focused on provide \$1,140,000 Completion: August-18  Federal Other (Auxiliary-MSU Intercollegiate Athletic MSU Parking Square foot addition focused on providing \$1,140,000 Completion: August-18  Federal Other (Auxiliary-MSU Intercollegiate Athletic MSU Parking Square foot addition focused on providing \$1,140,000 Completion: August-18  Federal Other (Auxiliary-MSU Intercollegiat | and                          |
| restrooms. Fans must use inconvenient facilities in the east or west sides of the Stadium, which creates congestion. In addition, the Department of Flomeland Security has recommended changes to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.   | and                          |
| creates congestion. In addition, the Department of Flomeland Security has recommended changes to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  | and                          |
| of Flomeland Security has recommended changes to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions.  The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.   | and                          |
| to the entry gates at the Stadium. The project will create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  | and                          |
| create a 19,000 square foot addition focused on providing ~236 additional restroom fixtures with interior and exterior access, six single occupant restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  | and                          |
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| interior and exterior access, six single occupant restrooms, and capacity for added concessions.  The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  | \$13,000,000                 |
| restrooms, and capacity for added concessions. The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.   | \$13,000,000                 |
| The expansion will include renovated gates and plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  |                              |
| plazas similar to those located at the north end zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.   |                              |
| zone to comply with Homeland Security recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  |                              |
| recommendations. Parking lot 79 will be reconfigured for pay-by-plate parking.  |                              |
| reconfigured for pay-by-plate parking.  |                              |
|   | ļ                            |
| 12 Strategic Academic Development Initiative - Start Date: April-17 Property Acquisition Tuition  |                              |
| 12 Strategic Academic Development Initiative - Start Date: April-17 Property Acquisition Tuition  |                              |
| 12 Strategic Academic Development Initiative - Start Date: April-17 Property Acquisition Tuition  |                              |
| 12 Strategic Academic Development Initiative - Start Date: April-17 Property Acquisition Tuition  |                              |
| 12 Strategic Academic Development Initiative - Start Date: April-17 Property Acquisition Tuition  |                              |
| Tultion   |                              |
| Interdisciplinary Science and Technology Building   |                              |
| (CP13604)   |                              |
| The Interdisciplinary Science and Technology Completion: July-19 Remodeling Millage   |                              |
| Building (ISTB) is part of the Strategic Academic   |                              |
| Development Initiative to provide modern Additions \$86,900,000 Bond Proceeds   |                              |
| teaching and interdisciplinary research space Landscaping/Roads \$25,000 Donations  |                              |
| necessary to support significant growth in STEM- Equipment \$3,875,000 Federal  |                              |
| related fields. The ISTB, which focuses on Other(Fees) \$9,200,000 Other - (MSU infrastru   |                              |
| research, is necessary to support the University's research g   | ant                          |
| investment in the Global Impact Initiative (GII) to overhead returns )  |                              |
| recruit more than 100 new faculty investigators. Total: \$100,000,000 Total:  | \$100,000,000                |
| The GII will help accelerate finding solutions to   |                              |
| the recognized "Grand Challenges" and   |                              |
| concurrently propel Michigan State University   |                              |
| forward, allowing it to aggressively pursue big   |                              |
| ideas, innovation, and global impact.   |                              |
| The ISTB will provide modern research space that  |                              |
| supports and leverages talent recruitment of  |                              |
| faculty and students. The ISTB will also promote  |                              |
| interdisciplinary work, which will provide a competitive advantage for multidisciplinary  |                              |
| grants, such as those from the National Science   |                              |
| Foundation and the National Institutes of Health.   |                              |
| This new building, coupled with strategic   |                              |
| renovations and improved utilization of existing  |                              |
| space, will allow the University to align its   |                              |
| research capacity with the timing of the  |                              |
| recruitment of the new GII-funded faculty.  |                              |
| The project consists of construction of an  |                              |
| approximately 170,000 gross square foot facility  |                              |
| comprising wet bench laboratories,  |                              |
| computational research space, offices, and  |                              |
| collaborative space, including areas for shared   |                              |
| equipment.  |                              |
|   |                              |

| 4.2 | Oliv Harlth Cartan Day 11 C St. 1  | Charles :   | 14- 47      | December 1 111       |             | le ma                        |           |
|-----|--|-------------|-------------|----------------------|-------------|------------------------------|-----------|
| 13  | Olin Health Center - Renovations for Student   | Start Date: | May-17      | Property Acquisition |             | Tuition                      |           |
|     | Health and Wellness - Phase I (CP14168)  |             |             |                      |             |                              |           |
|     | Olin Health Center is the primary health care  |             | A           |                      | ć2 402 000  | B ATH                        |           |
|     | facility for MSU students. It houses a wide  | Completion: | August-17   | Remodeling           | \$3,192,000 | Millage                      |           |
|     | variety of health care services, including primary   |             |             | A alalisi a a a      |             | Bond Proceeds                | -         |
|     | care and specialized health services such as   |             |             | Additions            |             | Donations                    |           |
|     | psychiatry. During 2016, an action committee   |             |             | Landscaping/Roads    | Ć40.000     | Federal                      |           |
|     | was charged with developing a strategy to  |             |             | Equipment            | \$48,000    |                              | ¢2.000.0  |
|     | integrate the University's counseling and  |             |             | Other(Fees)          | \$360,000   | Other (Auxiliary-MSU         | \$3,600,0 |
|     | psychiatric services for students. The committee   |             |             | Totali               | ¢3 600 000  | infrastructure reserve )     | \$3,600,0 |
|     | recommended establishment of a new multi-<br>disciplinary, inter-professional model of care and  |             |             | Total:               | \$3,600,000 | Total:                       | \$3,000,0 |
|     | services for students that not only integrates the   |             |             |                      |             |                              |           |
|     | MSU Counseling Center and Olin Psychiatry Clinic   |             |             |                      |             |                              |           |
|     | into the new Counseling & Psychiatry Services  |             |             |                      |             |                              |           |
|     | unit (CAPS), but that will also co-locate that new   |             |             |                      |             |                              |           |
|     | unit with the Sexual Assault Program (SAP) and   |             |             |                      |             |                              |           |
|     | Student Health Services, including primary care  |             |             |                      |             |                              |           |
|     | and health promotion.  |             |             |                      |             |                              |           |
|     | This project phase includes renovations to the   |             |             |                      |             |                              |           |
|     | third floor of Olin necessary to bring together the  |             |             |                      |             |                              |           |
|     | Counseling Center and the Psychiatry Clinic and  |             |             |                      |             |                              |           |
|     | form CAPS. This includes selected demolition and   |             |             |                      |             |                              |           |
|     | asbestos abatement; creation of a  |             |             |                      |             |                              |           |
|     | reception/waiting area, including check-in/check-  |             |             |                      |             |                              |           |
|     | out, and office/therapy space; new and upgraded  |             |             |                      |             |                              |           |
|     | public restrooms; installation of HVAC primarily   |             |             |                      |             |                              |           |
|     | focused on the central core and new window air   |             |             |                      |             |                              |           |
|     | conditioners; and updated flooring, painting,  |             |             |                      |             |                              |           |
|     | power, data, and security. Phase I also includes   |             |             |                      |             |                              |           |
|     | very limited modifications at Olds Hall, Linton  |             |             |                      |             |                              |           |
|     | Hall, and Student Services necessary to locate   |             |             |                      |             |                              |           |
|     | CAPS on the third floor of Olin.   |             |             |                      |             |                              |           |
|     |  |             |             |                      |             |                              |           |
|     |  |             |             |                      |             |                              |           |
|     |  |             |             |                      |             |                              |           |
| 1   | Food Processing and Innovation Center  | Start Date: | May 17      | Droporty Acquisition |             | Tuition                      |           |
| 4   | Food Processing and Innovation Center (CP14168)  | Start Date: | May-17      | Property Acquisition |             | Tuition                      |           |
|     | MSU has received grants from the U.S.  |             |             |                      |             |                              |           |
|     | Department of Commerce, Economic   | Completion  | December-17 | l<br>Remodeling      | \$3,247,651 | Millage                      |           |
|     | Development Administration (EDA) and from the  | Completion. | December-17 | Remodeling           | \$5,247,031 | Williage                     |           |
|     |  |             |             | Additions            |             | Bond Proceeds                |           |
|     | MEDC for a building renovation and addition and for equipment to establish the Michigan State  |             |             | Landscaping/Roads    | \$28,928    | Donations                    |           |
|     | University Food Processing and Innovation Center   | _           |             | Equipment            | \$1,652,500 | Federal                      | \$2,509,5 |
|     | (FPIC). The FPIC is designed to be Michigan's "real  |             |             | Other(Fees)          | \$470,921   | Other (Auxiliary-\$1 Million | \$2,890,4 |
|     | time" place for high-potential growth-oriented   |             |             | Other (rees)         | \$470,921   | MEDC Grant with remainder    | \$2,690,4 |
|     | companies to innovate, scale up, and   |             |             |                      |             | from MSU infrastructure      |           |
|     | commercialize new food products and processes.   |             |             |                      |             | reserve and College of       |           |
|     | commercialize new rood products and processes.   |             |             | 1                    |             | •                            |           |
|     | This state-of-the-art USDA/FDA-certified food  |             |             |                      |             | Agriculture funds 1          |           |
|     | This state-of-the-art USDA/FDA-certified food  |             |             |                      |             | Agriculture funds.)          |           |
|     | processing facility will allow clients to do applied   |             |             | Total:               | \$5,400,000 |                              | \$5,400.0 |
|     | processing facility will allow clients to do applied research and development to create new  |             |             | Total:               | \$5,400,000 | Agriculture funds.) Total:   | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability  |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well established mid-sized growth-oriented food businesses that need assistance with new  |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) wellestablished mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up  |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing  |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.  The project is in Okemos, Michigan. This project   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.  The project is in Okemos, Michigan. This project includes a complete renovation of the   |             |             | Total:               | \$5,400,000 |                              | \$5,400,1 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.  The project is in Okemos, Michigan. This project includes a complete renovation of the approximately 6,700 square foot existing Hulett   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.  The project is in Okemos, Michigan. This project includes a complete renovation of the approximately 6,700 square foot existing Hulett Road building that will include food processing   |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs. The project is in Okemos, Michigan. This project includes a complete renovation of the approximately 6,700 square foot existing Hulett Road building that will include food processing and packaging areas, offices and a training room,  |             |             | Total:               | \$5,400,000 |                              | \$5,400,6 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs.  The project is in Okemos, Michigan. This project includes a complete renovation of the approximately 6,700 square foot existing Hulett Road building that will include food processing and packaging areas, offices and a training room, and receiving and shipping. It will also include an |             |             | Total:               | \$5,400,000 |                              | \$5,400,6 |
|     | processing facility will allow clients to do applied research and development to create new consumer product lines using modern processing and packaging techniques to increase profitability and competitive advantage.  The FPIC will serve two types of ventures: (1) well-established mid-sized growth-oriented food businesses that need assistance with new product development or significant enhancement of existing products, and (2) larger scale start-up food businesses with significant financial backing to establish technically complex product development and production needs. The project is in Okemos, Michigan. This project includes a complete renovation of the approximately 6,700 square foot existing Hulett Road building that will include food processing and packaging areas, offices and a training room,  |             |             | Total:               | \$5,400,000 |                              | \$5,400,0 |

house coolers, freezers, storage, and mechanical equipment; connections to municipal water and sanitary systems; and improvements to the building access areas and parking.