

AGENDA ITEM 16**ISSUE: CAMPUS MASTER PLAN OF CAPITAL IMPROVEMENT PROJECTS – ALL****ACTION PROPOSED:**

President Boren recommends the Board of Regents approve the revised Campus Master Plan of Capital Improvement Projects for the Norman, Oklahoma City and Tulsa campuses of the University.

BACKGROUND AND/OR RATIONALE:

The Oklahoma State Regents for Higher Education have requested that each institution in the State system submit in June of each year an update of the Campus Master Plan of Capital Improvement Projects. Following approval by the State Regents at their June meeting, the Campus Master Plan will be submitted to the State Long Range Capital Planning Commission as required by statute. The Commission is charged with the responsibility of preparing a State Capital Plan which is submitted in December of each year to the Governor, Speaker of the House of Representatives and President Pro-Tempore of the Senate.

The development of the Capital Improvement Plan for the Norman, Oklahoma City and Tulsa campuses has been completed following a review of current capital needs by executive officers. Attached for consideration and approval by the Board are prioritized project lists for each campus along with project descriptions providing additional information about each of the projects included in the plan. The projects for each campus are prioritized in groups as follows.

- I. Highest priority projects for which State funding is requested;
- II. Projects which are currently in planning, design or are under construction and for which funding has been identified in full or in part; and
- III. High priority projects, funding not currently available.

New projects which have not previously been approved by the Board are shown in the listings and descriptions in **boldface type**.

CAPITAL IMPROVEMENT PROJECTS FOR THE NORMAN CAMPUS

I. HIGHEST PRIORITY PROJECTS FOR WHICH STATE FUNDING IS REQUESTED, NORMAN CAMPUS

<u>Priority Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
1	Biomedical Engineering Facility	\$ 30,000,000
2	Bizzell Memorial Library 1958 Addition Exterior Improvements	20,000,000
3	Classroom Renovation and Improvements	3,000,000
4	Campus Bicycle/Pedestrian Paths	2,000,000
5	Physical Sciences Center Life Safety Improvements	4,000,000
6	Research Campus Infrastructure	5,000,000
7	Research and Instructional Equipment	4,000,000
8	Information Technology Improvements	6,000,000
9	Asset Preservation Projects – Level III	32,000,000

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, NORMAN CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
10	Asset Preservation – Level II	\$ 13,000,000
11	Bizzell Memorial Library, Neustadt Wing Lower Level 2 Renovation	9,500,000
12	Multi-Tenant Office Facility No. 5 at Research Campus (Five Partners Place)	29,000,000
13	Multi-Tenant Office Facility No. 6 at Research Campus (Six Partners Place)	30,000,000
14	Multi-Tenant Office Facility No. 3 (Three Partners Place) Renovation for Innovation Hub	4,323,000
15	Jenkins Avenue Parking Facility	28,000,000
16	Library Service Center	4,000,000
17	S. J. Sarkeys Complex, Huston Huffman Center Addition and Locker Rooms Renovation	15,000,000

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18	Catlett Music Center, Paul F. Sharp Concert Hall Organ	16,000,000
19	Acquisition of Property	10,000,000
20	Student Housing Expansion, Residential Colleges	100,000,000
21	Physics and Astronomy Facilities	33,000,000
22	Kaufman Hall Improvements	2,150,000
23	Cate Center #2 Renovation	8,500,000
24	Storm-Hardened Shelters	14,000,000
25	Parking Expansion (Garages)	17,000,000
26	Parking Expansion (Surface Lots)	5,000,000
27	Campus Streets and Drives	13,500,000
28	Max Westheimer Airport Improvements	15,000,000
29	Gaylord Family-Oklahoma Memorial Stadium Master Plan Updates	370,000,000
30	Lloyd Noble Center Strength Training and Performance Center Addition	7,000,000
31	Bud Wilkinson House/Wagner Dining Hall Renovations	14,000,000
32	Jimmie Austin OU Golf Club Improvements	10,000,000
33	Charlie Coe Golf Learning Center and Team Practice Facilities	5,000,000
34	L. Dale Mitchell Baseball Park Expansion and Improvements	4,000,000
35	Softball Facility Expansion and Improvements	4,000,000
36	Varsity Rowing Practice Center	6,500,000
37	Boathouse	6,500,000
38	Emergency Repairs, Academic and Administrative Renovations, And Equipment and Technology Acquisitions, 2015-2016	2,158,135
39	Emergency Repairs, Academic and Administrative Renovations, and Equipment and Technology Acquisitions, 2016-2017	4,344,594

III. HIGH PRIORITY PROJECTS,
FUNDING NOT CURRENTLY AVAILABLE, NORMAN CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
40	Bizzell Memorial Library Master Plan Project(s)	\$ 70,000,000

41	S. J. Sarkeys Complex Addition for Health and Exercise Science	10,000,000
42	Chemistry Building Renovation	10,000,000
43	Repository of Art, Public Affairs and History Collections	6,000,000
44	Cate Center Residence Halls Window Replacement	800,000
45	Biological Sciences Building	80,000,000
46	Life Sciences Center, Phase II	50,000,000
47	Armory Renovation	12,000,000
48	Multi-Tenant Light Industrial Facilities, Phase I	16,000,000
49	Kessler Farm Interdisciplinary Field Laboratory	3,000,000
50	Central Theatrical Set and Costume Design Facility	2,000,000
51	School of Art Facilities at Research Campus	10,900,000
52	Fred Jones Art Center Renovation for the School of Art	8,000,000
53	University Research Campus-North Infrastructure Improvements	7,500,000

CAPITAL IMPROVEMENT PROJECTS FOR THE OKLAHOMA CITY CAMPUS

I. HIGHEST PRIORITY PROJECTS FOR WHICH STATE FUNDING IS REQUESTED, OKLAHOMA CITY CAMPUS

<u>Priority Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
1	Campus Fire Sprinkler Systems	\$ 2,000,000
2	Academic and Administrative Construction/Renovations And Equipment	5,361,000
3	Campus Infrastructure Improvements	17,378,000
4	Campus ADA Improvements	872,000

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, OKLAHOMA CITY CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
5	Harold Hamm Diabetes Center Renovation	\$ 2,500,000
6	College of Medicine Academic Office Building	58,000,000
7	Campus Network/Telecommunications Infrastructure Upgrades	28,677,000
8	Parking Structure Repairs	5,730,000
9	University Research Park improvements	6,000,000
10	University Village Apartments Drainage Project	350,000
11	Public Health Auditorium Renovation	500,000
12	Steam and Chilled Water Plant Upgrades	3,410,000

III. HIGH PRIORITY PROJECTS, FUNDING NOT CURRENTLY AVAILABLE, OKLAHOMA CITY CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
13	College of Pharmacy Academic Expansion	\$ 4,682,000
14	Dentistry Curriculum Redesign & Patient Delivery System Facilities Remodel, Phases II & III	37,848,000
15	Cancer Center Clinic and Patient Support Facility	60,000,000

16	G. Rainey Williams Pavilion Renovation and Modernization	4,400,000
17	Dermatology Clinic Expansion	2,939,000
18	Operations Center	2,000,000
19	Biomedical Sciences Building Laboratory Modernization Project	6,000,000

CAPITAL IMPROVEMENT PROJECTS FOR THE TULSA CAMPUS

I. HIGHEST PRIORITY PROJECTS FOR WHICH STATE FUNDING IS REQUESTED, TULSA CAMPUS

<u>Priority Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
1	Academic and Administrative Renovations & Equipment	\$2,668,000
2	Campus Infrastructure Improvements	5,839,800

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, TULSA CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
3	Wayman Tisdale Specialty Health Clinic	\$18,700,000

III. HIGH PRIORITY PROJECTS, FUNDING NOT CURRENTLY AVAILABLE, TULSA CAMPUS

<u>Number</u>	<u>Project Name</u>	<u>Estimated Total Cost</u>
4	Exterior Campus Enhancements	4,000,000
5	Campus Parking Enhancements	400,000
6	East Side Parking Facility	9,000,000

PROJECT DESCRIPTIONS, NORMAN CAMPUS:

The following pages contain additional information about each of the capital projects contained in the preceding Campus Master Plan of Capital Improvements Projects for the Norman Campus.

I. HIGHEST PRIORITY PROJECTS FOR WHICH NEW STATE FUNDING IS REQUESTED, NORMAN CAMPUS

- 1 Biomedical Engineering Facility: It is anticipated that the building will provide approximately 90,000 gross square feet of space for research and teaching laboratories and necessary support space. The facility is proposed to include a variety of spaces, such as reconfigurable and dual-use research and teaching laboratories, team rooms, offices, classrooms, and a large 100-person lecture hall. The total cost for the project is currently estimated to be approximately \$30,000,000.
- 2 **Bizzell Memorial Library 1958 Addition Exterior Improvements: The 1958 addition is in need of maintenance to the exterior envelope to better waterproof the building, increase energy efficiency, and improve the lifespan of the overall library complex. The project will include upgrades to the north and east facades, replacing brick, cast stone, and windows to blend the addition with the traditional OU vernacular defined by the original 1929 library building and Evans Hall. The total cost for the project is currently estimated to be approximately \$20,000,000.**
- 3 Classroom Renovation and Improvements: The University's Classroom Renovation Task Force has recommended implementation of basic minimum standards for classroom configuration in order to address overcrowding and inadequate seating, and to provide the technology necessary for a quality teaching and learning environment. An aggressive program is underway to bring the current 140 centrally scheduled classrooms, comprising over 140,000 net square feet of space, up to the basic standards. This project will provide funding of \$3,000,000 for renovations and instructional equipment in a number of classrooms identified as most critically in need of improvement. New State funds are requested.
- 4 Campus Bicycle/Pedestrian Paths: This project will provide funding of \$2,000,000 for implementation of a bicycle/multimodal transportation system throughout campus. When fully developed, this system will interconnect the campus community and link with the City of Norman beyond. New State funds are requested.
- 5 Physical Sciences Center Life Safety Improvements: This project will include fire sprinkler and alarms systems, emergency lighting, and other life safety improvements in several areas of the Physical Sciences Center. The estimated total project cost is \$4,000,000, with new State funds requested.
- 5 Research Campus Infrastructure: The University's efforts to develop the Research Campus continues. Some of the remaining infrastructure is in poor condition, and in many instances has been out of use for an extended period of time. The Master Plan for the area is being updated and will be implemented as new building projects are identified. The infrastructure improvements include utilities; site clearing; construction of roads, drives, parking and pedestrian walkways; and information technology systems expansion. This project will provide additional funding of \$5,000,000 to prepare the Research Campus for the next phase of development. New State funds are requested.

- 7 Research and Instructional Equipment: Funds are to be used to purchase new equipment for teaching and research programs. Purchases are needed to replace, modernize and augment equipment used in classroom and laboratory instruction and in research programs. Part of the equipment will be used to support the teaching and research activities of newly hired faculty including some who will occupy endowed chairs. Funding in the amount of \$4,000,000 is proposed from new State funds.
- 8 Information Technology Improvements: A number of information technology improvements are needed to address data protection needs at the Norman campus. This project would modernize network security infrastructure by providing high performance firewalls, intrusion prevention systems, network access management, mobile device encryption, compliance management, and secure code analysis enabling the University to manage the risk of data loss and misuse of University resources. New State funds of \$6,000,000 are requested.
- 9 Asset Preservation Projects – Level III: Capital requirements for the preservation of the University’s facilities and infrastructure have been listed and categorized, including estimates of project costs. The work included in this group of asset preservation projects has been identified as Level III (i.e., condition will allow some further delay, however its delay will result in increased maintenance and operations costs). The projects include deferred maintenance projects, energy conservation work, new and upgraded elevators, lighting upgrades, roof repair and replacement projects, accessibility improvements, and utility upgrades. The estimated total cost for these projects is \$32,000,000 with funding proposed from new State funds.

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, NORMAN CAMPUS

- 10 Asset Preservation Projects – Level II: Capital requirements for the preservation of the University’s facilities and infrastructure have been listed and categorized, including estimates of project costs. The work included in this group of asset preservation projects has been identified as Level II (i.e., condition will allow for only a short delay) and is critical in order for University departments to carry out their mission. The projects include deferred maintenance projects, roof repair and replacement projects, new and upgraded elevators, accessibility improvements, and utility upgrades. The estimated total cost for these projects is \$13,000,000 with funding from institutional resources and bond proceeds.
- 11 Bizzell Memorial Library, Neustadt Wing Lower Level 2 Renovation: This project involves renovation and modernization of space on Lower Level 2 of the 1983 Neustadt Wing addition to the Bizzell Memorial Library. The renovation will create common areas and work areas to be made available to members of the faculty and graduate students. Fairly significant mechanical and electrical system upgrades will be required for implementation of this project and also will augment future Bizzell renovations. The estimated total project cost is approximately \$9,500,000 to be funded from discretionary funds.
- 12 Multi-Tenant Office Facility No. 5 at Research Campus (Five Partners Place): This new four-story building will provide approximately 100,000 square feet of space, including general office space for University research programs and space which may be leased to entities wishing to locate at the Research Campus. Necessary infrastructure associated with the new building will also need to be constructed as part of the project. The estimated total project cost is approximately \$29,000,000 to be funded from bond proceeds and discretionary funds.

- 13 Multi-Tenant Office Facility No. 6 at Research Campus (Six Partners Place): This building will provide approximately 75,000 square feet of space, including general office space and potentially wet lab space for University research programs and space which may be leased to entities wishing to locate at the Research Campus. Necessary infrastructure associated with the new building will also need to be constructed as part of the project. The estimated total project cost is approximately \$30,000,000 to be funded from bond proceeds.
- 14 Multi-Tenant Office Facility No. 3 (Three Partners Place), Renovation for Innovation Hub: The project will require renovation of approximately 20,000 square feet of space on the first floor of the building to create a hub where interdisciplinary resources can be co-located. Resources to be provided at the facility will include a cutting-edge fabrication lab, library and information processing support and technology spaces, and collaboration areas. The goal of the Innovation Hub is to advance interdisciplinary innovation, collaboration and entrepreneurship through facilities, co-working environments, prototyping tools and maker technologies, entrepreneurial programs and support professionals. A healthy foods snack bar and fitness center will serve to strengthen community connections at the University Research Campus and enhance the quality and value proposition of tenant spaces in the Partners Place buildings. The estimated total project cost is \$4,323,000.
- 15 Jenkins Avenue Parking Facility: The proposed new Jenkins Avenue Parking Facility will replace parking spaces lost to the Residential Colleges and other projects, providing approximately 1,200 spaces on five levels. The facility's ground level will house administrative space for Parking and Transportation Services. The facility's exterior will consist of a mix of cast stone, precast spandrel panels, and brick veneer in a blend matching the Residential Colleges to the north. The structure will be located on the west side of Jenkins Avenue about one block south of the Jenkins/Lindsey intersection. The estimated total project cost is \$28,000,000.
- 16 Library Service Center: This facility will allow for a combination of high volume book storage and retrieval, library processing and high throughput scanning delivery for University Libraries collections. The estimated total project cost is \$4,000,000, with new State funds requested.
- 17 S. J. Sarkeys Complex, Huston Huffman Center Addition and Locker Rooms Renovation: This project involves an approximately 20,000-gross-square-foot addition at Huston Huffman Center for expansion of the general recreation and exercise space in the facility. In addition, the existing men's and women's locker rooms would be renovated and modernized. The estimated total project cost is \$15,000,000, with funding of \$5,000,000 from bonds supported by student facility fees and \$10,000,000 from other sources to be determined.
- 18 Catlett Music Center, Paul F. Sharp Concert Hall Organ: This project involves expansion of the Paul F. Sharp Concert Hall and associated renovations needed to allow for the installation of the University's Moller organ. Also included is the estimated cost to restore and install the organ (approximately \$5,000,000). The estimated total cost is \$16,000,000, with funding from private sources.
- 19 Acquisition of Property: The project will allow the University to facilitate the strategic and desirable acquisitions of real property as deemed necessary to support the mission of the University. The proposed total budget is \$10,000,000, with funding from bond proceeds and other sources.

- 20 Student Housing Expansion, Residential Colleges: The proposed project implements the first phase of a master plan to upgrade the University's aging housing facilities. The proposed new facilities will house approximately 600 students in a mix of room, suite, and semi-suite configurations. The project will include dining, faculty housing, student lounge areas, and other organizational and academic amenities utilizing the "Residential College" community model. The project will expand OU's existing housing options and attract more upperclassmen to on-campus housing by offering unique and highly attractive academic and social opportunities. Further, expansion of student housing facilities will help meet current market demand by reducing density in existing residence halls and adding resident advisor rooms and community spaces; and will address the significant demand for on-campus apartment beds among single upper-division and graduate students. The budget for the project is \$100,000,000 with funding identified from private sources and bond proceeds.
- 21 Physics and Astronomy Facilities: The proposed project will provide new research facilities for the Department of Physics and Astronomy to replace obsolete laboratories and laboratory support spaces within Nielsen Hall. The project will include state-of-the-art National Institute of Standards and Technology standard research laboratories to support current and future research efforts. The facility will also provide new office space and will include spaces for science display and one classroom. The preliminary budget is \$33,000,000 with funding from private sources and bond proceeds.
- 22 Kaufman Hall Improvements: The academic building that house the Department of Modern Languages, Literatures and Linguistics needs exterior improvements to complement the established University of Oklahoma architectural vernacular. The estimated total project cost is approximately \$2,150,000, with funding from private sources and bond proceeds.
- 23 Cate Center #2 Renovation: The Cate Center #2 project will convert this facility from residential to academic use for the Department of English. The renovated facility will house centrally scheduled classrooms, seminar rooms, reading rooms, faculty and staff offices, conference rooms, and other support spaces. The project will address life safety and code issues including accessibility, emergency egress, replacement of HVAC and plumbing systems, and addition of an elevator. The estimated project cost is \$8,500,000, with funding from bond proceeds.
- 24 Storm-Hardened Shelters: Multiple shelters will be constructed to provide storm refuge for residents of the University's student housing facilities. The estimated total project cost is \$14,000,000, with funding from bond proceeds.
- 25 Parking Expansion (Garages): New structured parking will be constructed to replace parking spaces lost to expansion of student housing or other campus development. It is anticipated that approximately 1,000 spaces could be constructed. The estimated total project cost is \$17,000,000, to be funded from bond proceeds.
- 26 Parking Expansion (Surface Lots): This project provides ongoing funding for a number of parking lot projects and includes demolition, site preparation and lot construction. The total project budget is \$5,000,000 with funding from Parking and Transportation auxiliary funds and bond proceeds.
- 27 Campus Streets and Drives: This project provides for the repair and resurfacing of a variety of campus streets, drives, parking areas and other paved surfaces in need of refurbishment. The total project budget is \$13,500,000 with funding from bond proceeds.

- 28 Max Westheimer Airport Improvements: This project provides for a variety of improvements to the Max Westheimer Airport that will be required to support its continued maintenance and development. The anticipated work includes the following: (1) construct and light new taxiways; (2) rehabilitate any and all airport pavements to include runways, taxiways, taxi-lanes, aprons and ramp areas (3) construct new air traffic control tower; (4) reconstruct fuel lane and taxi lane adjacent to South Ramp; (5) upgrade security camera system; (6) infrastructure development for north and/or south airport property; (7) update the airport master plan; (8) update the airport layout drawing; (9) expand Terminal Building parking; (10) improve drainage, (11) install/replace runway/taxiway lights and signs as necessary; and (12) other improvements and repairs. The estimated cost of these project elements is \$15,000,000 to be funded from a combination of Federal Aviation Administration and Oklahoma Aeronautics Commission grants and airport auxiliary funds, as well as bond proceeds.
- 29 Gaylord Family-Oklahoma Memorial Stadium Master Plan Updates: The south stadium work, which comprises the initial construction phase, includes adding new seating at the southeast and southwest corners of the stadium to complete the seating bowl. Also included are expansion and improvements to football and other sports programs' team facilities and support spaces as well as improvements to game day facilities and amenities to significantly improve the game day experience for patrons and fans attending events at the stadium. An expanded concourse, additional restrooms, and new concession areas will support the additional seating. Two large fan plazas within the south seating bowl will also be constructed for use by all fans. Work at the south end zone of the stadium includes the creation of offices and support spaces for the football coaching and support staff; a new football team locker room, restroom/shower facility and therapy pools; new football team meeting rooms; new football team equipment room and laundry facilities; new strength and conditioning and sports medicine facilities serving all student-athletes; and a new loading dock facility serving the entire stadium. Also included in the south end zone project is the construction of 22 new suites; 58 new loge boxes with seating to accommodate approximately 300 persons; approximately 2,000 new club seats; two new clubs for patrons seated in the new suites, loge boxes and club seats; a new Sooner Vision video board and sound system serving the entire stadium; and a new Legends Lobby space to highlight the history and accomplishments of the intercollegiate football program. The estimated total cost for the south stadium work is \$160,000,000, with funding from Athletics Department capital funds, bond funds, and other private sources. West and other stadium work includes the demolition of the existing press box structure and construction of a new west addition that will include significantly improved patron and fan amenities, additional concourses and seating, handrails, technology improvements, game day operations and press facilities and space for Athletics administration and related operations. As a part of the west stadium work, the existing four field lighting poles will be removed and new and improved field lighting will be installed atop the new west addition and at the top of the existing east upper deck structure. The estimated total cost for all elements is \$370,000,000.
- 30 Lloyd Noble Center Strength Training and Performance Center Addition: The Lloyd Noble Center Strength Training and Performance Center Addition consists of an approximately 18,400 gross square foot addition to the south of the existing two practice court gymnasiums used by the men's and women's basketball programs. This addition will provide significantly improved strength training facilities for both basketball programs as well as for student-athletes competing in other OU athletics programs. As a part of the project, space for a Performance Center also will be constructed to provide for performance equipment, testing and assessment to help student-athletes improve overall athletic performance. The estimated project cost is \$7 million and will be provided by private donations and other Athletics funds.

- 31 Bud Wilkinson House/Wagner Dining Hall Renovation: A study has been undertaken to assess the viability of repurposing these two buildings for other functions upon the relocation of student housing and dining to Headington Hall. The Athletic Academic Services program is proposed to be relocated from the second floor of the Gaylord Family-Oklahoma Memorial Stadium into Bud Wilkinson House. The existing 29,650 square foot building would be expanded to approximately 42,000 square feet to accommodate the program's current and future academic needs. The facility would also feature a central stairway and elevator, new façade, and upgrades to restrooms and mechanical and electrical systems. Wagner Dining Hall is proposed to be renovated into a banquet facility for use by the University O-Club and would also serve as a central study hall for student athletes. The remodel would include new interior finishes in the dining area, new equipment designed for catered events in the kitchen, new restrooms, and new mechanical and electrical systems. The estimated total project cost is \$14,000,000. Funding for preliminary planning has been identified from Athletics Department sources.
- 32 Jimmie Austin OU Golf Club Improvements: This project provides a variety of improvements for the Jimmie Austin Golf Course. Improvements include a relocated maintenance facility, new clubhouse, residential cottages, new entry and drive, parking lot expansion and various course and practice area renovations. Also included are much-needed projects to upgrade the irrigation system infrastructure and to repair erosion problems in Bishop Creek and adjoining holes. The project will be developed incrementally over an extended time period. The initial project phase is estimated to cost approximately \$10,000,000 with funding from private sources and bond proceeds.
- 33 Charlie Coe Golf Learning Center and Team Practice Facilities: The Athletic Department has identified various team support areas that are needed at the Charlie Coe Golf Learning Center. The improvements include additional equipment storage and workout areas as well as improvement of the practice area. The estimated total project cost is \$5,000,000, with funding to be provided from a combination of private and other Athletics Department funds.
- 34 L. Dale Mitchell Baseball Park Expansion and Improvements: The Athletic Department has reviewed and identified the need for updates and improvements to spectator seating, fan amenities, team facilities, and other site improvements at L. Dale Mitchell Baseball Park, with an estimated total cost of \$4,000,000, with funding to be provided from a combination of private and other Athletics Department funds.
- 35 Softball Facility Expansion and Improvements: The Athletic Department has reviewed and identified the need for updates and improvements to spectator seating, fan amenities, team facilities, and parking expansion and other site improvements at the Softball Facility, with an estimated total cost of \$4,000,000, with funding to be provided from a combination of private and other Athletics Department funds.
- 36 Varsity Rowing Practice Center: Plans call for construction of an approximately 24,000-square-foot building to provide space to house indoor practice facilities for the women's intercollegiate rowing team and to consolidate various Athletics Department storage needs. The rowing team facilities will include a rowing tank, team room and meeting spaces, a workout area, lockers/showers, and storage and laundry areas. The proposed new facility is estimated to require a total project budget of approximately \$6,500,000, with funding to be provided from private funds within Athletics Department capital accounts.

- 37 Boathouse: The proposed new boathouse will be located in Oklahoma City near other existing and future facilities on the Oklahoma River. The facility will include space for storage of shells, oars, ergometers, and other equipment; a changing/locker area with showers; a multi-purpose area for team meetings, workout, etc; a small training/treatment room; an entry lobby and hospitality area; restrooms for men and women; and access to the waterfront. The total estimated cost is \$6,500,000, with funding from a combination of private funds and Athletics Department capital funds.
- 38 Emergency Repairs, Academic and Administrative Renovations, and Equipment and Technology Acquisitions, 2015-16: This project involves the expenditure of \$2,158,135 in FY 2016 Section 13 and New College Funds for emergency repairs to various campus facilities, academic and administrative offices, classroom and laboratory renovations, and equipment and technology acquisitions. These project funds will allow for the implementation of projects as needed in support of a number of capital projects throughout the course of the fiscal year.
- 39 **Emergency Repairs, Academic and Administrative Renovations, and Equipment and Technology Acquisitions, 2016-17**: This project involves the expenditures of \$4,344,594 in FY2017 Section 13 and New College Funds for emergency repairs to various campus facilities, academic and administrative offices, classroom and laboratory renovations, equipment and technology acquisitions, and real property acquisitions. These project funds will allow for the implementation of projects as needed in support of a number of capital projects throughout the course of the fiscal year.
- III. HIGH PRIORITY PROJECTS, FUNDING NOT CURRENTLY AVAILABLE, NORMAN CAMPUS
- 40 Bizzell Memorial Library Master Plan Project(s): The Bizzell Memorial Library Master Plan Study has developed a series of phased projects to bring the library to the forefront as a crossroads leader for intellectual and research study at the University of Oklahoma and the world community at large. A phased renovation of the entire 336,000 square foot facility will be required to achieve the desired mix of collaborative, research, reading, seminar, technology and collection storage spaces, with special attention given to preserve the National Historic Landmark status of the original 1928 building. The project will replace and update the facility's major mechanical, electrical and data systems to support the new and expanded programs. The estimated total project cost is \$70,000,000.
- 41 S. J. Sarkeys Complex Addition for Health and Exercise Science: This project will consolidate Department of Health and Exercise Science faculty and students in one location with adequate space. The planned addition to the building will be sized to include approximately 19,550 gross square feet constructed to the south of the existing facility. The addition will provide new lab space, classrooms, and faculty offices, by expanding the existing basement and first floor. The project also includes modifications to the western façade that provides a new front entrance to the building off of Asp Avenue and ties the existing building into the new construction. The estimated total project cost is \$10,000,000.
- 42 Chemistry Building Renovation: As new facilities for the Department of Chemistry and Biochemistry are constructed, spaces in existing facilities will be vacated and reprogrammed for other instructional and research uses. Renovation will be required to reconfigure space, upgrade building systems and improve accessibility. The estimated total project cost is approximately \$10,000,000.

- 43 Repository of Art, Public Affairs and History Collections: This proposed new 15,000-gross-square-foot facility would provide environmentally controlled warehouse space for storage of special arts and humanities collections. Possible building users would be the Carl Albert Center, Western History Collections, Gaylord College of Journalism and Mass Communications, Fred Jones Jr. Museum of Art and the Political Communications Center. The estimated total cost is \$6,000,000.
- 44 Cate Center Residence Halls Window Replacement: New energy-efficient replacement windows will be installed in Cate Center #2 and #3. In addition to providing energy cost savings, replacement of the windows will provide greater security and enhance the buildings' appearance. The estimated total project cost is \$800,000.
- 45 Biological Sciences Building: Many of the teaching and research facilities utilized by the departments of Biology and Microbiology and Plant Biology, and the Oklahoma Biological Survey are outdated and insufficient to meet the needs of undergraduate teaching, research and current safety standards. In addition, the wide dispersal in multiple locations of the activities and faculty in the biological sciences is another significant impediment to accommodating dramatic growth in student numbers and the achievement of goals. The envisioned building would allow centralization of critical facilities and personnel. The plan would provide a new greenhouse and a superior learning environment for students including a new modern lecture hall, modernized research facilities, and open spaces for students, faculty and staff that will enhance opportunities for cross-disciplinary research collaborations and larger group projects. The estimated total project cost is \$80,000,000.
- 46 Life Sciences Center, Phase II: This project will complete the program requirements necessary to support the instructional and research activities of the Department of Chemistry and Biochemistry, and will ultimately consolidate and integrate the teaching and student services programs with the research programs to be constructed as Phase I. Phase II will contain approximately 100,000 gross square feet and will provide the department with state-of-the-art teaching laboratories for General, Analytical, Physical, Biological, Quantitative and Organic chemistry; teaching laboratory support and chemical stock room meeting the current life-safety requirements for storage and handling of hazardous materials; student advising and student services areas including an Information Commons, group study spaces and computer lab; and a 150-seat seminar auditorium. The project will also construct a parking structure. The estimated total project cost is \$50,000,000.
- 47 Armory Renovation: This project, with an estimated project cost of \$12,000,000, will renovate the current Armory building to provide much needed and up-to-date classroom space required to teach classes in military science. The project will also make needed code, life safety and accessibility improvements to the building and update the building's mechanical and electrical systems.
- 48 Multi-Tenant Light Industrial Facilities, Phase I: This project will provide high bay light industrial space and office space for University research programs and which may be leased to entities wishing to locate near other technology resources at the University Research Campus. This phase will construct two pods, containing a total of approximately 73,000 gross square feet of space. Planning will include defined areas for additional pods. Necessary infrastructure and parking areas associated with the new buildings will also need to be constructed as part of the project. The estimated total project cost is approximately \$16,000,000.

- 49 Kessler Farm Interdisciplinary Field Laboratory: Dr. Ed Kessler has decided to The University of Oklahoma approximately 350 acres of land southwest of Norman to be used as a field research facility. There have been numerous meteorological experiments on the farm over past years. This project is planned to construct a field laboratory building that will provide for preparation of samples prior to bringing them back to the Norman Campus. Also included is a subsequent phase that will create a class and meeting area and temporary living quarters to allow researchers to stay at the laboratory while collecting specimens or data. The estimated total project cost is approximately \$3,000,000.
- 50 Central Theatrical Set and Costume Design Facility: This project, with an estimated project cost of \$2,000,000, will construct a facility on the Research Campus which will house a central theatrical set and costume design facility for use by the University's School of Drama and the Weitzenhoffer Department of Musical Theater.
- 51 School of Art Facilities at Research Campus: This project will provide improved facilities for the School of Art and will be located adjacent to the School's existing Ceramics Studio and Kiln Facility located at the Research Campus. Programs and functions currently utilizing space in the Fred Jones Jr. Memorial Art Center, the Charles M. Russell Center and two World War II vintage buildings at the University Research Campus-North would be consolidated in the new facility. Containing approximately 32,000 square feet of space with an associated project cost of approximately \$10,900,000, this new facility would provide space for the School's sculpture programs, graduate student and faculty studio spaces, and laboratory and studio spaces for the photography program.
- 52 Fred Jones Art Center Renovation for the School of Art: This project will include extensive renovation of interior spaces and the supporting mechanical, electrical, and computer and telecommunications systems necessary to modernize the art school facilities. In addition, the facility will be brought into compliance with current fire, life safety, and accessibility codes. Academic spaces for art instruction and other areas will be upgraded for current use and to meet current environmental isolation and health standards. Exterior repairs will be made to restore the building to good condition. The estimated project cost is \$8,000,000.
- 53 University Research Campus-North Infrastructure Improvements: The establishment and growth of the University Research Campus-North is dependent upon the development of an infrastructure foundation for the property. The University Research Campus-North is comprised of approximately 1,100 acres and organized into two basic elements: Swearingen Research Park and Max Westheimer Airport. This project involves the enhancement and addition to existing infrastructure systems on the east side of the property. Improvements include road construction and repair, street lighting and sidewalks, sewer mains, water distribution systems, storm water detention pond construction, perimeter and street landscaping, construction of primary entrances, and the demolition of several structures necessary to prepare sites for development. The estimated cost for these improvements totals \$7,500,000.

PROJECT DESCRIPTIONS, OKLAHOMA CITY CAMPUS:

The following pages contain additional information about each of the capital projects contained in the preceding Capital Improvements Projects for the Oklahoma City Campus. The University may fund certain costs of these project prior to delivery of purchase proceeds from its own funds and, to the extent the University utilizes its own funds for said purposes, it is intended that proceeds of the Master Lease-Purchase Program may be utilized to reimburse the University.

I. HIGHEST PRIORITY PROJECTS FOR WHICH NEW STATE FUNDING IS REQUESTED, OKLAHOMA CITY CAMPUS

- 1 Campus Fire Sprinkler Systems: This project involves the installation of fire sprinkler systems across the OUHSC campus including the Biomedical Sciences Building, Library and College of Public Health Building. The project includes the design and installation of fire sprinkler systems and upgrades to fire pumps as necessary. The estimated total project cost is \$2,000,000, with funding proposed from new State or bond funds.
- 2 Academic and Administrative Construction/Renovations and Equipment: This project involves academic and administrative construction and renovation projects campus wide and the purchase of equipment and moveable interior furnishings for instructional, research and clinical functions. Projects include expansion of College of Pharmacy academic and faculty space, and renovation to student facilities, classrooms, support facilities, and laboratories in various campus buildings. The equipment is necessary to support the teaching, research and service missions of the Health Sciences Center. The estimated total project cost is \$5,361,000 with funding proposed from new State, grant, Section 13 and New College Funds, and/or department or institutional funds.
- 3 Campus Infrastructure Improvements: This project involves deferred maintenance and facility infrastructure improvements to protect the substantial capital assets of the Health Sciences Center. The project involves capital renewal in all major campus facilities, including subsystem repairs and replacements, upgrades to and/or replacement of existing elevators and air handlers, up-grade of fire alarm systems, replacement of the floor in the Stanton L. Young Biomedical Research Center North BSL3 lab, restroom remodels and upgrades, and containment and removal of asbestos. The estimated total cost is \$17,378,000, with funding proposed from new State, bond, Section 13 and New College Funds, and/or institutional funds. Priority building improvements are planned utilizing Section 13 and New College Funds and institutional funds. This includes the use of \$2,757,000 in previous years Section 13 and New College Funds.
- 4 Campus ADA Improvements: This project involves the completion of Americans with Disabilities Act improvements. Priority projects will be completed and include parking and building access, interior pathways, signage, and other improvements. This will involve all campus facilities. The current estimated total project cost is \$872,000, with funding proposed from new State or Section 13 and New College Funds.

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, OKLAHOMA CITY CAMPUS

- 5 Harold Hamm Diabetes Center Renovation: This project involves renovation of the Harold Hamm Diabetes Center. The building was purchased in 2008 and is in need of renovation to accommodate continuing refinement for the Harold Hamm Diabetes Center. Previous phases have been completed renovating 21,500 square feet of space on

- floors 1 through 3 and improvement have been made to the North entrance walkways and driveway. Additional phases will be planned in coordination with needs. The estimated total project cost is \$2,500,000 with funding from State, departmental and/or other funds.
- 6 College of Medicine Academic Office Building: This project involves the construction of an academic office building with a total of 175,000 gross square feet to accommodate the critical administrative office space needs of the College of Medicine. The project also includes a 704-space covered parking structure. The facility will allow for critical program growth in departments and sections of the College of Medicine and provide space for new faculty. The estimated total project cost is \$58,000,000. Funding in the amount of \$3,000,000 is proposed from Departmental funds and \$55,000,000 from the University Hospitals Authority and Trust funds.
 - 7 Campus Network/Telecommunications Infrastructure Upgrades: This project involves the continued development and expansion of the campus network and telecommunications infrastructure that is critical to meet current and future system demands. The project includes the purchase of equipment and software to maintain, refresh and manage data growth within the IT Data Center; to maintain and refresh existing IT campus data network; to refresh existing servers and accommodate new server growth; to refresh existing disk storage and accommodate data storage growth; and refresh and expand the existing campus voice network system. Equipment will be purchased for firewalls, spans and taps, security and network intrusion detection, load balancers, DNS/DHCP, operational tools, lab hardware, VPN/UAC, network access controller, network chassis, servers, data storage, and video conferencing. The estimated total project cost is \$28,677,000, with \$24,677,000 funded from Information Technologies reserve and Digicom Service Unit. Funding in the amount of \$4,000,000 is proposed from State, grant, and/or department or institutional funds.
 - 8 Parking Structure Repairs: This project involves parking structure maintenance and repairs to the Williams Pavilion, Stonewall and University Research Park garages and other parking areas across campus, funds permitting. The estimated total project cost is \$5,730,000. Funding in the amount of \$3,000,000 is proposed from OU Parking and Transportation parking reserves and \$2,730,000 is proposed from new State, bond, Section 13 and New College funds, and/or institutional funds.
 - 9 University Research Park Improvements: This project involves renovation of the University Research Park for new space leases. The estimated total project cost is \$6,000,000 with funding from University Research Park and/or other funds.
 - 10 **University Village Apartments Drainage Project**: **This project will address flooding and drainage issues which have been a challenge since construction of the University Village apartments 13 years ago. Due to heavy rains and damage causing flooding in recent years, this project is eminent to prevent future damage to the property as well as residents' belongings. Civil engineering plans have been designed to both divert and route water through use of a new concrete flume, enhancement of area drains, modification of sidewalks, and regrading. The estimated total project cost is \$350,000 with funding from University Village Apartment funds.**
 - 11 Public Health Auditorium Renovation: This project involves the renovation of 4,024 square feet of auditorium space in the College of Public Health Building. The 365-seat auditorium will provide state-of-the-art distance education and audiovisual technical capability to support symposia and town hall meetings as the largest auditorium on the University of Oklahoma Health Sciences Center campus. Renovation will include seating, carpeting and fixtures. The estimated total project cost is \$500,000 with \$180,000 from University Hospitals Authority and Trust.

- 12 **Steam and Chilled Water Plant Upgrade:** This project involves refurbishing cooling towers, installing an auxiliary steam pressure reducing station, overhauling steam turbines, replacing a torque tube, overhauling two electric chillers, replacing condenser water piping, upgrading the utility billing system, upgrading controls, replacing make-up water piping, replacing a boiler economizer, replacing bypass valves, replacing insulation, resealing cooling tower basins, sumps and basin walls, and replacing fuel tanks. This project offers the greatest opportunity for the University to ensure that all present and future OUSHC campus heating and cooling demands are met, as well as make improvements to plant efficiency that will help the plant's customers reduce their utility bills. The estimated total project cost is \$3,410,000 with funding anticipated from University funds with potential reimbursement from the Master Lease-Purchase Program to the extent allowed.

III. HIGH PRIORITY PROJECTS, CURRENT FUNDING NOT AVAILABLE,
OKLAHOMA CITY CAMPUS

- 13 **College of Pharmacy Faculty Academic Expansion:** This project involves the construction of a 225-seat classroom, faculty offices, and "breakout rooms" on the east side of the Pharmacy building. The project will include chairs, desks, microphones, cameras, and other supporting videoconferencing equipment. This project also includes the construction of a set of fully functional men's and women's restrooms on the east side of the Pharmacy building. Expansion to the College of Pharmacy Building will establish additional offices for 20 faculty, 10 residents, 15 support staff, and supporting space in order to consolidate academic programs in one building. With the increase in class sizes and faculty to the department, current space limitations have required that faculty share offices and maintain offsite offices. The dispersed faculty has strained the ability for the College to establish an effective and efficient academic environment. Additional space is needed to accommodate current needs and the College's growth needs for the foreseeable future. The estimated total project cost is \$4,682,000 with funding proposed from State, Grant, Section 13 and New College funds, and/or department, institutional or private funds.
- 14 **Dentistry Curriculum Redesign and Patient Delivery System Facilities Remodel, Phases II and III:** This project involves renovation and reconfiguration of the clinical and administrative areas of the Dental Clinical Sciences Building to be completed in three phases. This is in response to new accreditation standards that support a substantial redesign of the pre-doctoral curriculum and correlated patient care delivery system in the College of Dentistry. The current pre-doctoral curriculum is compressed, inflexible, complex and poorly sequenced. In addition, the current mechanism for screening and assigning patients, treatment planning cases, and providing care is inefficient and cumbersome for patients, students and faculty. In order to address a significant number of these issues, a substantial renovation and reconfiguration of administrative and clinical space is required, along with the purchase and/or replacement of equipment and furniture. Phase I renovated the clinical and teaching areas of the third floor and created additional classrooms and student locker and gathering areas on the first floor for approximately \$12,100,000. Phase II will renovate the clinical and teaching areas of the second and fourth floors for approximately \$18,688,000 and Phase III will renovate the faculty and administrative areas of the fifth floor for approximately \$19,160,000. The estimated total project cost is \$37,848,000 with funding proposed from State, grant, Section 13 and New College Funds, and/or department or institutional funds.

- 15 **Cancer Center Clinic and Patient Support Facility:** This project involves the construction of a facility adjacent to the existing Peggy and Charles Stephenson Cancer Center. It is anticipated that the facility will provide approximately 100,000 to 150,000 gross feet of space for clinical and patient supportive care which will supplement the existing facilities and foster the Peggy and Charles Stephenson Cancer Center mission. The estimated total project cost is \$60,000,000 with funding proposed from State, grant, Section 13 and New College Funds, and/or department, institutional or private funds.
- 16 G. Rainey Williams Pavilion Renovation and Modernization: This project involves the renovation of approximately 129,000 square feet of academic office space and expansion and modernization of restrooms in the G. Rainey Williams Pavilion due to the age and condition of the current facility. The estimated total project cost is \$4,400,000.
- 17 Dermatology Clinic Expansion: This project involves renovation of the Dermatology Clinic building by adding 13 new examination rooms and three surgical procedure rooms. The renovations will reconfigure existing space to create a more effective use of the space and improve the efficiency of patient flow. The project will provide additional patient treatment space necessary for current patient care needs and allow for future growth of the clinical workload. The estimated total project costs \$2,939,000, with funding from University Hospitals Authority and Trust.
- 18 Operations Center: This project involves the construction of a 42,100 gross square feet facility. The facility will house OUHSC Operations, Site Support and related shops, Motor Pool, and other offices. These departments will be relocated from the old Service Center Building. The estimated total project cost is \$2,000,000.
- 19 Biomedical Sciences Building Laboratory Modernization Project: This project involves the renovation of approximately 30,000 square feet in the Biomedical Sciences Building. The renovations will eliminate inefficient 1970's design and construction features, including single pane exterior glazing, perimeter racetrack hallways, and non-modular laboratory design. The project will improve the energy efficiency of the building and provide much needed additional renovated laboratory space with increased space and operational efficiencies. The estimated total project cost is \$6,000,000.

PROJECT DESCRIPTIONS, TULSA CAMPUS:

The following pages contain additional information about each of the capital projects contained in the preceding Capital Improvements Projects for the University of Oklahoma - Tulsa Campus. The University may fund certain costs of these project prior to delivery of purchase proceeds from its own funds and, to the extent the University utilizes its own funds for said purposes, it is intended that proceeds of the Master Lease-Purchase Program may be utilized to reimburse the University.

I. HIGHEST PRIORITY PROJECTS FOR WHICH NEW STATE FUNDING IS REQUESTED, TULSA CAMPUS

- 1 Academic and Administrative Renovations and Equipment: This project involves various renovation projects and the purchase of equipment for the Schusterman Center. The project includes renovation for academic and administrative units, completion of the physical therapy/rehabilitation portion and for campus-wide Information Technology and Academic Affairs. Renovations and the acquisition of equipment will involve offices, research laboratories, and video technology, and Research. The estimated total project cost is \$2,668,000 with funding proposed from State, grant, Section 13 and New College Funds, and/or department or institutional funds.
- 2 Campus Infrastructure Improvements: This project involves various physical plant projects. They include roof replacement on several buildings, re-tube boiler, coil replacements, covering switchyard and condition space as well as replacement of 25 to 36-year-old, inefficient chillers that have reached their useful life expectancy. Additionally, the project includes window replacement in building 1, water pipe replacement, equipment replacement in Family Medicine, parking lots, carpet replacement, remodel restrooms, replacing all smoke detectors, asbestos removal, and police department renovations. The estimated total cost is \$5,839,800, with funding from bond issues or new State funds.

II. PROJECTS IN PLANNING, DESIGN OR CONSTRUCTION, FUNDING IDENTIFIED IN FULL OR IN PART, TULSA CAMPUS

- 3 Wayman Tisdale Specialty Health Clinic: This project involved the construction of a 45,500 gross square feet building at an estimated total cost of \$18,700,000. The clinic is complete and located in the North Tulsa area to expand medical care. A portion of the 2nd floor is being built out and the facility generator will be relocated at a later point in time at an estimated total cost of \$2,800,000, included in the funding. The funding plan involves the use of \$1,500,000 from 2006 SB 90XX, \$2,875,000 from 2007 state legislation, \$13,000,000 from private donations, \$1,000,000 from an emergency medicine grant, and \$325,000 in other funds to be determined.

III. HIGH PRIORITY PROJECTS, CURRENT FUNDING NOT AVAILABLE, TULSA CAMPUS

- 4 Exterior Campus Enhancements: This project involves a pedestrian pathway, exterior signage, repaving of the east parking lot, cooling tower screen, landscape garden, "walking trail," and "green space." The pedestrian pathway as part of Boren Plaza will provide safety improvement for access between the main building, Learning Center, and

Schusterman Library. The estimated total project cost of the “green space” and “walking trail” is \$2,000,000, with funding from Foundation funds. The estimated cost of all other enhancements is an additional \$2,000,000. Total of all enhancements is \$4,000,000.

- 5 Campus Parking Enhancements: This project involves street and parking improvements. Additional on-street and surface parking around campus will be provided, as well as necessary sidewalks and improved signage. Campus landscape beautification projects including tree replacements and additional benches as well as streetscape enhancements will be undertaken. The estimated total cost is \$400,000 with funding from Foundation funds.
- 6 East Side Parking Facility: This project involves the construction of a parking structure with up to 500 spaces adjacent to the Learning Center and Library. This project is needed when all other new facilities, including the Library are completed. The estimated total project cost is \$9,000,000 from non-state appropriations sources.