Included herein are the prioritized FY 2020 State Capital Appropriations Request with project descriptions.
It was recommended by Chancellor Cartwright, Interim Chancellor Bichelmeyer, Interim Chancellor Maples and Chancellor George, endorsed by President Choi, recommended by the Finance Committee, moved by Curator ______________ and seconded by Curator ______________, that the following action be approved:

That President Choi be authorized to submit to the appropriate state offices the University’s Fiscal Year 2020 State Capital Appropriations Request as shown on the schedule presented to the Board of Curators.

Roll call vote Finance Committee  YES  NO
Curator Brncic
Curator Chatman
Curator Layman
Curator Snowden
Curator Sundvold

The motion ______________.

Roll call vote Full Board:  YES  NO
Curator Brncic
Curator Chatman
Curator Farmer
Curator Graham
Curator Layman
Curator Phillips
Curator Snowden
Curator Steelman
Curator Sundvold

The motion ______________.
<table>
<thead>
<tr>
<th>System Priority</th>
<th>Facility Name</th>
<th>Campus</th>
<th>State Request</th>
<th>Philanthropy/Federal/University</th>
<th>Total</th>
<th>Impact on Overall Economy</th>
<th>Earnings Generated</th>
<th>Jobs Generated</th>
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<tbody>
<tr>
<td>1</td>
<td>Translational Precision Medicine Complex</td>
<td>MU</td>
<td>$50,000,000</td>
<td>$150,000,000</td>
<td>$200,000,000</td>
<td>$427,900,000</td>
<td>$130,400,000</td>
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<td>2</td>
<td>Schrenk Hall Addition and Renovation Phase III</td>
<td>S&amp;T</td>
<td>$43,000,000</td>
<td>$11,005,000</td>
<td>$54,005,000</td>
<td>$115,500,000</td>
<td>$35,200,000</td>
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<td>3</td>
<td>Spencer Chemistry &amp; Biological Sciences Renovation Phase II</td>
<td>UMKC</td>
<td>$33,057,000</td>
<td>$4,600,000</td>
<td>$37,657,000</td>
<td>$80,600,000</td>
<td>$24,500,000</td>
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<td>4</td>
<td>Space Consolidation and Infrastructure</td>
<td>UMSL</td>
<td>$8,000,000</td>
<td>$2,000,000</td>
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<td>$21,400,000</td>
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<td><strong>Total State Appropriations Projects</strong></td>
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<td></td>
<td><strong>$134,057,000</strong></td>
<td><strong>$167,605,000</strong></td>
<td><strong>$301,662,000</strong></td>
<td><strong>$645,400,000</strong></td>
<td><strong>$196,600,000</strong></td>
<td><strong>4,650</strong></td>
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**Translational Precision Medicine Complex**  
*University of Missouri – Columbia*

The Translational Precision Medicine Complex (TPMC) will be a four story building with a basement and penthouse located at the corner of Hospital Drive and College Avenue that will bring researchers and clinicians together in a multi-disciplinary collaborative setting. This 200,000 – 245,000 gross square feet (GSF) facility will be planned and constructed with the most critical research space needs completed. The facility will be flexible to adapt to emerging needs and will include: biological laboratories; chemical and biomaterials laboratories; computational laboratories; core laboratories supporting high-resolution imaging, clean rooms, and laboratories capable of supporting good manufacturing practice; vivarium; vivo imaging; administrative offices; and formal and informal meeting and collaboration spaces.

The space utilization study in 2017 indicated that MU has a four percent research space deficit and thirty percent of the current research space is located in buildings with a Facilities Condition Needs Index of 0.40 or higher (poor condition or need of replacement). Continuing research in these conditions results in low productivity and challenges to recruit and retain faculty. TPMC will create research space that will allow for opportunities to increase MU’s standing in the Association of American Universities (AAU). MU’s success will place the University of Missouri and the State of Missouri at the forefront of precision medicine thanks to the bevy of engineers and clinicians uniquely equipped with skills to succeed in this new frontier of health care. Research discoveries have the potential to lean to new companies and high paying job creations for the State.

**Schrenk Hall Addition and Renovation – Phase III**  
*Missouri University of Science and Technology*

The Schrenk Hall Addition and Renovation – Phase III will renovate Schrenk Hall to accommodate the Chemistry and Biological Sciences departments. This will be the final phase with the renovation of 40,000 gross square feet of the west wing and the replacement of the east wing with a new 90,400 gross square feet facility and atrium. Phase I was the new 69,600 GSF Chemical/Biological Engineering Building officially named James E. Bertelsmeyer Hall funded by the campus and gifts. The project was completed in 2014. The second phase is a 43,000 GSF renovation funded by the State with the Board of Public Buildings Bond and has recently been completed.

The proposed improvements will provide much needed teaching and research laboratories while addressing the lack of adequate classroom and support spaces. Interactive areas are also included that will promote vital student and faculty interaction that enhances the educational experience on campus. The project will consolidate teaching and research functions that are currently spread through multiple buildings on campus, several of which are scheduled for demolition. The project will also address life safety codes, energy conservation measures and associated cost savings, handicapped accessibility, quality improvement, capacity and/or environmental impact, and all applicable federal regulations.
Almost every undergraduate student on campus is required to take classes in either Chemistry and/or Biological Sciences. This building provides teaching and laboratory space for the entire undergraduate student population. The Chemistry department awards Bachelors, Masters, and PH.D. degrees while the Biological Sciences department awards Bachelors and Masters degrees. Additional operating costs are estimated to be $217,000 annually and funded by the Campus operating budget.

**Spencer Chemistry & Biological Sciences Renovation Phase II**  
*University of Missouri - Kansas City*

This project would continue the renovation of the 153,800 GSF Biological Sciences Building and Spencer Chemistry Building. The second phase will renovate approximately 75,000 GSF in both Spencer Chemistry and the Biological Sciences Building. This project will build upon the first phase, which is currently underway and funded by a combination of State Bonds and University funding. The current phase is slated for completion in July 2018. The Phase II renovation will address additional deferred maintenance, research space, teaching spaces, and other facility deficiencies that were beyond reach of the Phase I budget. The renovation will provide state of the art teaching labs and support spaces, while providing improved laboratory systems to support research activities, support student retention, meet current lab standards, and encourage student collaborative learning.

The Spencer Chemistry and Biological Sciences Buildings were originally constructed in 1968 and had not been renovated or updated since the 1980's prior to the Phase I renovation, currently, underway. These buildings serve Chemistry and Biology undergraduate and graduate majors, as well as those who go into professional schools or graduate studies in medical and dental. They also serve as part of the teaching mission for our Pharmacy, Medicine, and Nursing Programs. The facility is outdated and provides inadequate space for teaching, and does not meet current safety codes and standards.

**Space Consolidation and Infrastructure**  
*University of Missouri - St. Louis*

UMSL has more program space per student than peer campuses, according to a Space Needs and Utilization Analysis study performed in 2016. UMSL can improve its operating costs and deferred maintenance by reducing the campus’ occupied square footage. Bellerive Hall, Music Building, and Education Administration Building are underutilized buildings that are in poor condition. As such, they are good candidates for decommissioning or demolition, thereby reducing campus operating expenses and deferred maintenance.

This project will consolidate underutilized space campus-wide and provide repairs to campus buildings. The project will relocate the College of Education Dean’s suite from the Education Administration Building (EAB) and decommission the EAB; relocate the School of Social Work from Bellerive Hall (BH) and demolish BH; relocate the
Department of Music from the Music Building (MB) and demolish MB; and relocate Human Resources from Arts Administration Building into Woods Hall. These relocations will facilitate synergies between programs and will improve utilization rates of space in the renovated buildings. Campus facilities needs will be reduced by a total of $19.0 million through this project, as well as reducing annual operating cost by $541,000. These relocations will also facilitate synergies between academic programs and will improve utilization rates of academic space in the renovated buildings.