

Minnesota State University, Mankato

FY2022 Institutional Equipment Prioritization Work Group Recommendations

FY2022 Institutional Equipment Spending Budget Target \$ 1,000,000

Less: Prioritization Work Group Recommendation Running Total \$ (1,011,895)

Difference or Remaining Unspent Balance \$ (11,895)

Report Date: April 12, 2021

Items Approved for Funding By the President's Cabinet

Item #	Divisional Priority	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY22 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY22 Inst Equip Funding Running Total
A	B	D	E	F	G	H	I	J	K	L	M
								-	-	Yes	0
1	1 - 1	SET / Biology	Windows 10 Upgrade for Scanning Electron Microscopy and Energy Dispersive Spectroscopy System	<p>The JEOL 6510LV scanning electron microscope (SEM; provides ultrahigh magnification and resolution of 3 dimensional objects) and Thermo-Noran Energy Dispersive Spectroscopy System (EDS; determines the composition of chemical elements in specimens) were purchased with funds awarded in 2009 by a National Science Foundation Major Research Instrumentation Grant. As a provision of the grant, the university is expected to assume responsibility for the maintenance and functionality of the equipment. The SEM and EDS are part of a core facility and continue to be a research and learning tool used by faculty, staff, and students in the Departments within CSET (especially the Departments of Biological Sciences, Chemistry and Geology, Physics, and Engineering) and by other departments within the university. Furthermore, the equipment has been used and is available for extramural usage (e.g. high school students, industrial technical staff, etc.). There are two computers necessary for the equipment operation (one for each component). The two computers interact with each other directly via an ethernet connection and have an external connection to the university server. Meeting the Windows 10 compatibility requirement for the computer systems controlling the operation of the SEM and EDS will involve not only the purchase of compatible computers but also an equipment upgrade of the SEM. For the SEM computer, the conversion to Windows 10 (64 bit) will require a JEOL engineer to install a 64 bit compatible circuit board in the SEM, along with computer and peripherals. This will cost \$23,788.60. Connection to the university server is necessary to utilize the full potential of the equipment (e.g. storage and archiving data). Additionally, the equipment can be operated and monitored remotely for classroom demonstration, instruction, and trouble-shooting. Connection to the university server will not be possible unless Windows 10 is installed on the computers.</p>		1	23,800.00	\$ 23,800	\$ 23,800	Yes	\$ 23,800
2	2 - 2	AH&N / Social Work	15 & 1 adjustable height tables; 15 sets of 2 chairs; all on wheels tables and chairs, stackable and mobile;	<p>Renovate Department of Social Work student areas to meet requirements for ADA compliance and accessibility and provide more professional learning environment for teaching and practicing clinical skills. The MSW Program currently has a student in a wheelchair. The Department's classroom (TSC/N 372) is not accessible for students in wheelchair or with mobility issues as it is configured and furnished. Classroom TSC/N 372 are used Monday through Saturday. Current equipment (tables, chairs, and student desks) is not mobile. When the classroom needs to be rearranged to include students with accessibility needs or to address the more specific professional skills development activities such as interviewing and other practice skills simulations, the current equipment is very heavy and difficult to rearrange. New furniture will allow faculty and students to easily rearrange furniture to be inclusive of students with mobility issues as well as allow the BSSW & MSW Programs to more effectively use both spaces for clinical skills development. Also, new furniture will more closely approximate and provide a professional teaching and learning environment. In addition, classroom currently configured for 40 students (before Covid), with seats very close together and difficult to walk around the room. This new configuration/furniture will decrease room capacity to 32, the majority of our undergraduate classes are less than 30 students and all of our MSW classes are less than 20 students.</p>				\$ 14,672	\$ 38,472	Yes	\$ 38,472

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3	3 - 2	SET / Biochemistry, Chemistry, & Geology	J-1500 Circular Dichroism Spectropolarimeter (Jasco)	NOTE: This instrument had been approved for purchase in the FY20 institutional equipment process, but due to the pandemic disruptions of Spring 2020, it was not purchased. The Jasco J-1500 Spectropolarimeter uses circular dichroism spectroscopy to measure: (1) protein folding, (2) protein secondary structure (alpha-helix, beta-sheet), (3) changes in structure due to mutagenesis, (4) conformational stability of proteins and (5) changes in conformation due to protein:protein interactions. These applications can also be applied to nucleic acids. In addition, the circular dichroism capabilities, the instrument would also be equipped with a Peltier temperature control unit, automated titration system, total fluorescence detector, fluorescence polarization/anisotropy detector and a stopped-flow apparatus (for rapid-mixing kinetics experiments). This instrument would be used in CHEM 360: Principles of Biochemistry (annual student impact ~100 students from various majors including Biomedical Sciences, Medical Laboratory Sciences, and Chemistry), CHEM 465 and 466: Biochemical Techniques I and II labs (~15 students per year) and CHEM 450: Physical Chemistry Lab (~15 students per year). This instrument will also be used in various areas of biochemistry and chemistry undergraduate research (Chem 498).		1	140,000.00	\$ 140,000	\$ 178,472	Yes	\$ 178,472
4	4a,b,c - 1	A&H / Music & Entertainment Industries	Marching Band Uniform Jackets and Percussion Equipment	At the time the Maverick 'Machine' Athletic Band returned in the fall of 2013 the ensemble was supported by purchasing used uniforms along with a small number of new jackets needed for the ensemble. Since that time the group has grown from 30 members to 120, with a future goal of 200. In that time the used uniforms have become unwearable with holes in many pairs of pants and the Music Department does not have enough jackets to outfit the current band. We have been able to use matching shirts. The department wants to outfit the band with new uniform jackets by the fall of 2022 which is the 10th year of the return of the Maverick 'Machine.' In addition, the department requests more percussion instruments to support the large number of incoming mallet percussionists in our program.		250 Uniform Jackets (\$25K), Uniform Rain Coats (\$5K), & Front Ensemble - 3 Marimbas, 2 Vibraphones (\$20K)	50,000.00	\$ 20,000	\$ 198,472	Yes	\$ 198,472
5	5 - 2	SBS / Anthropology / American Indian Studies	Camera, microphone, ceiling mounted document camera, computer system, touch screens	We need to upgrade the technology in our research lab to be able to utilize the lab for distance learning and expanding our capacity to teach live labs remotely for students at collaborating institutions and for students taking remote classes with us. We see this as a way to expand our multiple programs' reach and provide a secure space for labs that take more than a single session to accomplish providing a space that will not be disturbed for other purposes or need to be reset each time a lab is performed. This also protects the various artifacts that we use in teaching our labs requiring them to be moved less often. We have spoken with Matthew Clay in IT and they are putting \$5000 toward the cost. We have a rough estimate that it will cost up to \$30,000 to install a camera, microphone, a ceiling mounted document camera, a computer system and touch screens to utilize FlexSync zoom in the room. Currently the only technology is a desk top computer that is in need of being replaced as it is too outdated to update, an ethernet connection, and a telephone. The room is flexible in its setup and is not in need of any additional furnishings or equipment or major alterations to accommodate the new technologies. We currently are running online lab sections that have from 27 to 100 students engaged in them. We would be able to expand these labs further with this equipment.	5,000.00	\$12,320.88 for Polystudio X50 and other materials	30,000.00	\$ 25,000	\$ 223,472	Yes	\$ 223,472
6	6 - 4	AH&N / Dental Education	EOS Oral Evacuation system	Removing aerosols created during dental procedures using additional extraoral suctioning units has become the standard of care in dental/dental hygiene schools. The University of Minnesota School of Dentistry has purchased extraoral suction units to be used in their clinics to reduce airborne aerosols generated when dental drills and ultrasonic cleaning instruments are used. The new Master of Science in Advanced Dental Therapy program will be teaching students to use dental drills in the oral environment, generating oral aerosols in the process.		12	1,825.00	\$ 21,900	\$ 245,372	Yes	\$ 245,372

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7	6 - 5	AH&N / Dental Education	Pure Breeze Air Cleaning system	To teach our advanced dental therapy and dental hygiene students, it is necessary to utilize our simulation lab. The standard of care in dental labs, areas where students must gather and also creating aerosols using dental simulation equipment, is to utilize hepa filtered air purifying devices to reduce airborne contaminants. The University of MN School of Dentistry utilizes hepa filtered air purifies in their clinics and dental laboratories.		4	1,375.00	\$ 5,500	\$ 250,872	Yes	\$ 250,872
8	6 - 3	AH&N / Dental Education	Simulation heads with articulator and typodont teeth and gums. Will attach to the current simulation torsos in the Dental Education sim lab.	Twenty sim heads/torsos were purchased for \$200,000 in 2013 and 4 sim heads/torsos were purchased for \$40,000 in 2018. Eight of the sim heads (not torsos) purchased in 2013 require replacement to accommodate the 12 advanced dental therapy (ADT) students who will be starting in this new program Fall 2021. (The 4 sim heads/torsos purchased in 2018 are up-to-date and functional for the ADT students.)		8	910.13	\$ 7,281	\$ 258,153	Yes	\$ 258,153
9	7 - 1	Library and Learning	Flexible furniture and collection storage options for moving the Suyematsu Music Library to NE side of Memorial Library, first floor. We obtained two quotes from Office Space Design and Staples in Jan 2021.	In response to personnel budget cuts and anticipated requests for reduction of Library Services footprint, librarians will move the music collection back to Memorial Library in early summer 2022.	40,000.00	1	80,000.00	\$ 40,000	\$ 298,153	Yes	\$ 298,153
10	9 - 3	SET / Biology	Freezers	Intermediate (days to months) and long (weeks to years) term storage of biological specimens and reagents requires freezing at temperatures of -25C to -80C (depending on the material) to prevent degradation of expensive and difficult specimens. We no longer have space to store new specimens at -80C, and this will threaten our ability to begin projects with new faculty (including Ag faculty). One of our -25C freezers is no longer consistently holding temperature and is expected to fail soon, and there is no backup storage space to hold the contents of the failing freezer.		1	15,000.00	\$ 15,000	\$ 313,153	Yes	\$ 313,153
11	10 - 3	A&H / Art & Design	VPM-60 Vacuum Power Wedger	The clay mixers in Ceramics have been repair many times. One is currently broken and the other is close to complete failure. The one attached will diminish the danger of silicosis for students and faculty.		1	7,599.00	\$ 7,599	\$ 320,752	Yes	\$ 320,752
12	11 - 3	SBS / Geography	A suite of Global Positioning Systems hardware and software.	Our present equipment is > than 10 years old. The newer equipment is more accurate and more tightly interfaces with the GIS software allowing students to create maps from scratch. This situation significantly increases their employability after graduation. The new equipment will be used by students in the MGIS program, which we hope to launch next academic year, and will be used by students conducting field research on EARTH Lab related topics.	\$4,500 +	Various units, please see attached	24,880.00	\$ 20,380	\$ 341,132	Yes	\$ 341,132
13	11 - 4	SBS / Geography	Ultra Receiver for a ground penetrating radar unit we currently own.	This receiver will increase the effectiveness of the ground penetrating radar unit significantly (100x).	2,500.00	1 receiver unit with requisite cables	14,616.00	\$ 12,116	\$ 353,248	Yes	\$ 353,248
14	12 - 2	Library and Learning	Flexible furniture and collection storage options for creating a multipurpose open space in SW corner of Memorial Library, first floor, and beginning a gradual replacement of spot updates for worn and outdated furniture on second/third floors. We obtained two quotes from Office Space Design and Staples in Jan 2020.	We will reduce footprint of our reference collection on west side of building, and replace outdated furniture with flexible, movable options to accommodate future university needs. The SW corner is a preferred location for flexible study space and will be convertible to host lectures or poetry readings, for example, for up to 40 people.	40,000.00	1	80,000.00	\$ 40,000	\$ 393,248	Yes	\$ 393,248
15	13 - 4	SET / Physics	Educational Atomic Force Microscope	This educational atomic force microscope (AFM) is needed to update the experiments for the Phys 475W and Phys 575 courses (Advanced Laboratory for undergraduate and graduate students, respectively). This equipment will allow students to gain practical knowledge and skills through the process of building an AFM and exploring the effect of forces between the probe tips and atoms of a sample material. As a result, they can obtain information about a sample at the nanoscale, such as its morphology and mechanical properties. When not used for educational instruction, the AFM will serve as a resource for research projects, like the characterization of carbon-based and polymeric materials, in the Department of Physics and Astronomy, which will enhance research opportunities for students taking the Phys 494 (Undergraduate Research), Phys 695 (Research) and Phys 699 (Thesis) courses.		1	20,000.00	\$ 20,000	\$ 413,248	Yes	\$ 413,248

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16	17 - 5	Library and Learning	Security Card entrance for archives rooms, including Taylor Center Storage. Quotes from university security.	Pandemic has brought to the fore security issues with highly sensitive university documents which do not have adequate security set up, both in library archives and in Taylor Center -- University Records Center. We have had unauthorized people in the sensitive areas on several occasions. We are working with Sandi and Joel to re-core 5 doors, and we worked with Joel to estimate two card key readers.		2	5,000.00	\$ 10,000	\$ 423,248	Yes	\$ 423,248
17	18 - 2	College of Business	MH 1st floor student area	The open area that students use for studying and working together needs to be upgraded. Adding new digital signage along with redoing the space to better equipment students with the space and tools needed for collaboration and studying	1,000.00	3 65" displays, digital signage computers and software	10,000.00	\$ 9,000	\$ 432,248	Yes	\$ 432,248
18	19 - 5	SET / Construction Management	WC 352 Lab Upgrades - Equipment & Furniture	This will benefit our program by giving students an updated lab space with the latest equipment and technology (including dual monitors and updated student stations). Amount requested is per the recommendations and quotes provided by IT Services (Matthew Clay). Courses that frequently utilize the lab are CM 120, CM 310, CM 330, and CM 492 (Construction Cost Accounting).		Adding a 2nd HD screen to existing Machines 25@\$150=\$3750 Updating both Monitors as HS screens 50@\$150=\$7500 Table Replacement 24@\$500=\$12000 Chair Replacement 24@\$500=\$12000	35,250.00	\$ 35,250	\$ 467,498	Yes	\$ 467,498
19	21 - 7	SET/ Computer Information Science	All-in-one Virtual Reality Headset – 256GB (qty: 5-10) plus augmented reality with hollow lens.	This equipment will be mainly used in IT485/585 game design development, IT465/565 mobile application development courses and research.	1,000 (CIS)	1	11,000.00	\$ 10,000	\$ 477,498	Yes	\$ 477,498
20	22 - 8	SET / Biochemistry, Chemistry, & Geology	FTIR Spectrometer (Thermo Fisher IS20 with diamond ATR)	We have been using two FTIR's for the organic, inorganic and spectroscopy courses serving over 200 students annually (CHEM 317, 322, 325, 423, 451, and 498) One of the IR's recently stopped working after nearly 15 years of use. This instrument has served us well. A 15 year life is considered long with instrumentation of this sort. This is an instrument in need of a replacement so IR spectroscopy can continue being taught and used in these labs. Having only one instrument prevents IR spectrometry use in the organic labs which serve over 150 students. It is simple not feasible to have 24 students share one instrument in the organic lab. The diamond ATR (attenuated total reflectance) accessory allows for easier sample preparation and permits analysis of a broader range of materials.		1	33,300.00	\$ 33,300	\$ 510,798	Yes	\$ 510,798
21	1 - 1	Security	Replacement computers and monitors, high end	Mission Critical. Enterprise level computers and monitors for Security Dispatch Center. Existing computers are no longer supported and are obsolete. These support the department disaster recovery plan.		4	\$ 7,500.00	\$ 30,000	\$ 30,000	Yes	\$ 540,798
22	2 - 2	Security	Card Access installations	Continue progress on the after-hours security plan. Additional access locations and new location cameras.		5	\$ 7,500.00	\$ 37,500	\$ 67,500	Yes	\$ 578,298
23	3 - 3	Security	Portable Two-Way Radios	Replace security two-way radios that are no longer supported and obsolete		37	\$ 3,266.00	\$ 120,842	\$ 188,342	Yes	\$ 699,140
24	7 - 1	Campus Recreation	Exercise and spinning bikes	Replace 5 upright bikes, 5 recumbent bikes, 4 spinning bikes and add 6 more spinning bikes in Otto Recreation Center. These bikes are used by Campus Recreation and Human Performance classes. We would be able to offer Group Exercise spinning classes. We can house the bikes and offer the spinning classes in the north lounge area in Otto where we installed new flooring this past summer.	\$20,000 thru Campus Recreation Equipment Depreciation Fund, which is our total annual allocation.	1 lot	\$ 40,000.00	\$ 20,000	\$ 208,342	Yes	\$ 719,140
25	1	Intercollegiate Athletics	Pole vault pit mat - Myers Field House	Current pole vault pit does not meet national safety standards and needs to be replaced. Current mat is too small and has gaps in the padding that can cause injury to collegiate and high school athletes utilizing our facility. New mat will increase safety levels significantly and meet required national standards. MSU track programs will contribute one-third of the total cost.	\$11,200	1	\$ 33,955	\$ 22,755	\$ 22,755	Yes	\$ 741,895
26	2	Building Services - 214005	Rider sweeper for the Field House	Current sweeper is 14 years old and worn out.		1	\$ 19,000	\$ 19,000	\$ 41,755	Yes	\$ 760,895

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27	3	Physical Plant / Building Services - Maintenance Fleet - 214014	Maintenance Service Vehicles	Request funding to replace Maintenance Fleet Vehicles. The fleet is a hodgepodge of aging mechanically deficient vehicles, many have rust holes filled with spray foam to keep tools from spilling onto the street. Several vehicles were aged out of the passenger fleet and are not supportive of the maintenance activity. The intent is to purchase new maintenance vehicles from the State Contract. We have experienced used vehicles with hidden issues whose repair cost along with the purchase price equal the price of new from State Contract. \$28,250 (includes taxes & fees) x 4 units = \$113,000 less \$13,000 match = \$100,000	\$6,500 (\$5,000 from 214014 Maintenance Vehicle Cost Center + \$1,500 Anticipated Auction Receipts)	2	\$ 28,250	\$ 50,000	\$ 91,755	Yes	\$ 810,895
28	4	Intercollegiate Athletics	Athletic Equipment room - industrial duty clothes washing machine	To replace an old model. The athletic equipment room runs laundry for all athletic teams and several other departments around campus 12 months a year. The existing washer is well past it's shelf-life, is inefficient and is barely operationally sustainable as replacement parts from the manufacturer are quickly becoming unavailable.	\$0	1	\$ 25,000	\$ 25,000	\$ 116,755	Yes	\$ 835,895
29	5	Intercollegiate Athletics	Wrestling mat - Taylor Center	Replace aging competition wrestling mat in Taylor Center. Current mat is well beyond expected life cycle and is showing its age. Tears and rips on the surface make cleaning and sanitation of old mat difficult and the outdated competition surface becomes a safety and liability issue due to exposed sharp edges.	\$0	1	\$ 20,500	\$ 20,500	\$ 137,255	Yes	\$ 856,395
30	7	Physical Plant - Grounds - 214009	12' street/lot plow for front end loader	Current snow plows are over 10 years old. Can't work on them inside the shop because of the width. The new 12 foot plow collapses down to 10 feet to fit through the door. Current plow will be traded in.	\$10,000 Parking	1	\$ 19,500	\$ 9,500	\$ 146,755	Yes	\$ 865,895
31	2	IT Solutions - 1st Floor of WH	1st Floor of WH Furniture & Technology	Updated furniture and technology for exterior lobby of WH 1st floor collaborative study area	25,000.00		\$ 75,000.00	\$ 50,000	\$ 50,000	Yes	\$ 915,895
32	3	IT Solutions - Wireless Upgrades	Wireless Upgrades	Upgrade Wireless Access Points to current Wi-Fi 6 technology that is faster and able to support more devices connected to Wi-Fi. This will improve Wi-Fi in one academic building.	76,500.00		\$ 127,500.00	\$ 51,000	\$ 101,000	Yes	\$ 966,895
33	4	IT Solutions - IT Solutions Center (Customer Services Areas)	IT Solutions Center (Customer Service Areas) Furniture & Technology for Presentations & Imaging	Updating of furniture and technology for presentations and imaging support.	10,000.00		\$ 35,000.00	\$ 25,000	\$ 126,000	Yes	\$ 991,895
34	2	University Advancement Annual Giving Division	Renovate the University's Annual Giving Engagement Center (Call Center) — the location of the University's tele-fundraising and student staffed outbound call center (AF125). This is a student work space for 12-18 students four nights per week for nine months/year. This is also a central communication site in the campus emergency response plan.	The Engagement Center space was not designed with today's safety and security concerns in mind. The Institutional Equipment Grant will provide resources to update/reconfigure AF125 to ensure unimpeded visual access to both points of entry into the space from all vantage points within the room. o The redesign will improve student work environments to address ergonomic and physical concerns of the students. o The workstations have not been renovated or adjusted in more than 18 years. Technology has greatly evolved in the past two decades and our workstations can be improved to accommodate for these updates in technology and the way technology is used. o Current workstations cannot reasonably accommodate students of various heights, weights, and abilities safely and effectively. Current problems that need to be addressed are: § Workstations are too narrow and too low to the floor. § Chairs are not appropriate and cannot be adjusted. § Ergonomic concerns for left-handed people. § Safely entering and exiting the space and work areas is a challenge. § Cannot maintain safe, socially appropriate distance from an individual seated at a workstation while walking behind them. § No current ability to include standing workstations or sit/stand stations.	\$10,000 from Foundation	1	\$ 30,000.00	\$ 20,000	\$ 20,000	Yes	\$ 1,011,895
Items Approved for Funding By the President's Cabinet Subtotal								\$ 1,011,895	\$ 1,011,895		\$ 1,011,895

Items Not Recommended for Funding at this time

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35	8 - 1	College of Business	MH211 Maximum Flexibility Zoom Room	The immersive TelePresence technology in MH211 is no longer supported. If a software/hardware failure was to happen, that equipment would be unsupported by Cisco for support. In partnering with ITS, the hardware and software would be replaced in that room with new supported technologies. *Note: Would like to start project in FY21 using COB matching funds from FY21 budget. If awarded, would use FY22 institutional funds after July 1, 2021 with any remaining COB matching funds.	25,000.00	4 Codecs, 8 65" monitors, 4 mics, 8 cameras, mounting hardware and software to videoconference, tables, and chairs	75,000.00	\$ 50,000	\$ 50,000	No	\$ 1,011,895
36	20 - 6	SET/ Computer Information Science	Networking devices: CISCO stackable managed gigabit, multigigabit combo with Power over Ethernet functionality built in; VPN Router with 16gigabit Ethernet, PoEplus Dual WAN. The manufacturer and specification will be adjusted to meet the latest and advanced versions	This equipment will be used for hands on experience of multiple networking and security classes It will be used for class projects and hands on assignments. Related networking cable for connecting these devices to the 30 computing devices in the class. Some control equipment/server have been purchased previously and addition of currently proposed additional equipment are necessary to make the networking laboratory workable.	500 (CIS)	1	5,500.00	\$ 5,000	\$ 55,000	No	\$ 1,011,895
37	4 - 1	Counseling Center	Chairs, offices	The Counseling Center needs to replace therapy chairs in individual offices. Our offices are currently furnished with used chairs; they are worn, uncomfortable, and do not match. As our work is centered around providing a warm, comfortable place for students to sit, it is imperative that we provide comfortable seating for clients.		13 x \$897.75 2 x \$781.20 2 x \$781.20 5 x 620.55 Instll/Delivery 1,200.00	\$ 19,098.30	\$ 19,099	\$ 19,099	No	\$ 1,011,895
38	5 - 4	Security	Dispatch security radio console	Replacement radio console for security dispatch. Replaces existing unit that is obsolete. Used by dispatchers to communicate with patrol officers.		1	\$ 85,000.00	\$ 85,000	\$ 104,099	No	\$ 1,011,895
39	6 - 2	Counseling Center	Group table & chairs	The Counseling Center is requesting furniture to replace the group room table and chairs and therapy room chairs. Our group room has always been furnished by used furniture / surplus items. As our group program has grown significantly over the past six years,our used chairs are deteriorating rapidly with high use.We are also in need of a large table to be able to run workshops due to significantly expanded our services.		2 x \$781.20 2 x \$781.20 8 x \$897.75 Install/Del \$700.00 Table, 8 ft \$634.20 Install/Del \$200.00	\$ 11,841.00	\$ 11,841	\$ 115,940	No	\$ 1,011,895
40	6	Facilities Services/ Postal Services - 216000	IM6000 Postage Machine with Dynamic scales and dark sensors.	Current machines are 9 years old.		2	\$ 14,297	\$ 28,594	\$ 28,594	No	\$ 1,011,895
41	8	Intercollegiate Athletics	Athletic Training - ice machine	Replace aging ice machine in main Athletic Training Room. Ice creation is imperative to student-athlete well-being for rehab and injury prevention. An efficient ice machine is a must. Current unit breaks down often, is expensive to continue to repair and that discourse will not be an option in the very near future future due to limited parts availability.	\$0	1	\$ 8,500	\$ 8,500	\$ 37,094	No	\$ 1,011,895
42	9	Building Services - 214005	Rider Burnisher	Machine that would save large sums of labor hours as well as eliminate a lot of repetitive motion for GMW's when burnishing floors. (Affects Armstrong, Taylor Center's Hall of Champions, etc.)		1	\$ 24,000	\$ 24,000	\$ 61,094	No	\$ 1,011,895
43	10	Physical Plant / Athletics / Grounds - 214009	Rain & Snow Tarp (Football or Soccer)	Tarp is used for both natural and synthetic surfaces. Fall sports programs run well into late fall / early winter, these tarps are essential for effective snow removal from the playing surface. Additionally, these tarps provide protection from snow removal equipment that damage the playing surface. We currently plow our fields with 4 people and average 3 hours per field. With this tarp, it's a one person job, no damage, and 1/3 of the time to complete.		1	\$ 35,000	\$ 35,000	\$ 96,094	No	\$ 1,011,895
44	11	Intercollegiate Athletics	Athletic Training/Equipment - Motorized utility carts	Gas/electric utility carts are needed to move athletic training equipment and personnel around to the different outdoor facilities for practices, games and special events. The need increases with the Sports Bubble coming online as another facility that will need to be serviced. The carts would replace the aging Athletic Training mini-van that is well past its life cycle with less future maintenance costs.	\$0	1	\$ 9,500	\$ 9,500	\$ 105,594	No	\$ 1,011,895
45	12	Physical Plant / Vehicle Services (Garage) - 214014	Snap-On Apollo Vehicle Diagnostic Scan Tool	The Scan Tool is used to diagnose vehicle conditions. This purchase replaces our current scan tool which has aged out of relevance and needs continual updating each model year.		1	\$ 5,900	\$ 5,900	\$ 111,494	No	\$ 1,011,895

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46	13	Building Services - 214005	Maintenance Service Vehicle	Request for a pickup truck to pull our new enclosed trailer to haul event equipment.		1	\$ 25,000	\$ 25,000	\$ 136,494	No	\$ 1,011,895
47	14	Physical Plant - Plumbing - 214004	Steam driven domestic water heaters	Replace inefficient / obsolete units to updated electronic controlled fully modulated systems. Units will support energy efficiency and continuing carbon footprint reduction efforts.		2	\$ 28,500	\$ 57,000	\$ 193,494	No	\$ 1,011,895
48	15	Physical Plant - Grounds - 214009	52" lawn mower with bagger	Replace the current 10 year old machine for campus use. Current mower will be traded in.		1	\$ 15,000	\$ 15,000	\$ 208,494	No	\$ 1,011,895
49	18	Physical Plant / Athletics / Campus Rec- 214009	Pull behind turf sweeper	Pull behind sweeper, it collect debris, core for acidification process which is necessary bi-annually on all athletics and campus Rec fields. We have the tractor to pull this sweeper		1	\$ 15,000	\$ 15,000	\$ 223,494	No	\$ 1,011,895
50	19	Intercollegiate Athletics	Athletic Equipment room - storage shelving system	Two additional SpaceSaver rolling storage units to add to existing rolling shelf/storage system. Additional units needed to store and secure athletic equipment/uniforms.	\$0	2	\$ 8,500	\$ 17,000	\$ 240,494	No	\$ 1,011,895
51	1	IT Solutions - TelePresence Replacement	TelePresence replacement	Conversion of existing three immersive Cisco Telepresence classrooms to FlexSync technology. This equipment has reached the end of life and needs to be replaced. They are no longer under warranty.	140,000.00		\$ 240,000.00	\$ 100,000	\$ 100,000	No	\$ 1,011,895
52	5	IT Solutions - IT Solutions Center (Open Lab Area)	IT Solutions Center (Open Lab Area) New Furniture and Digital Displays	New furniture and digital displays for continuation of IT Solution Center computer lab remodel (1st floor of Wissink Hall Sections C&D)	50,000.00		\$ 250,000.00	\$ 200,000	\$ 300,000	No	\$ 1,011,895
53	6	IT Solutions - FlexSync Classrooms	FlexSync Classrooms	Expansion of FlexSync classrooms beyond the general use classrooms. This is focused on discipline specific teaching spaces. ~20 rooms	100,000.00		\$ 200,000.00	\$ 100,000	\$ 400,000	No	\$ 1,011,895
54	7	IT Solutions - Student Study Meeting Booths	Student Study/Meeting Booths	Booths that allow for students to meet with faculty or attend class with privacy. These would be located throughout the campus.	100,000.00		\$ 200,000.00	\$ 100,000	\$ 500,000	No	\$ 1,011,895
55	8	IT Solutions - MavLABS	MavLABS - Technological Infrastructure for Virtual Labs	Infrastructure to support virtual lab environments for student access to computers on campus	25,000.00		\$ 75,000.00	\$ 50,000	\$ 550,000	No	\$ 1,011,895
56	1	University Advancement and College of Arts and Humanities	Retro-fit of KMSU Studio #4 from audio studio to audio/video studio	MSU is in need of a world class audio/video studio. Retrofit will include studio lighting, room darkening window shades, curved green screen, fixed cameras, and software so the room may be run from an iPad. Users will include development staff, annual giving student staff, (Thankview), Arts & Humanities musicians, students creating Vodcasts & Podcasts, faculty vodcasts, faculty class sessions, and multiple groups we havent identified yet.	\$25,000 from Foundation & Andreas Fund	1	\$ 50,000.00	\$ 25,000	\$ 25,000	No	\$ 1,011,895
										No	

Items Not Recommended for Funding At This Time Subtotal **\$ 986,434**

Items that do not seem to meet the criteria for funding By the Institutional Equipment Prioritization Committee

Item #	Divisional Priority	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY21 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY21 Inst Equip Funding Running Total

Item #	Divisional Priority	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY22 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY22 Inst Equip Funding Running Total
A	B	D	E	F	G	H	I	J	K	L	M
57	2 - 1	AH&N / Social Work	Office furniture for TSCN 337 and 338	These two offices were converted to small interviewing room with a one way mirror and camera equipment and related technology installed more than 10 years ago. These rooms are not functional, can't get all students in as needed; technology and equipment outdated and unreliable and very cost prohibitive to update. With SOWK's move to AH&N, January 2021, SOWK has access to multiple state of art interview rooms/labs an no longer needs these rooms as equipped as interviewing rooms. In addition, with University office space shortage, 2 of SOWK's Dept members are currently housed in Morris Hall in SBS assigned offices. Dean Loayza has agreed to our use for the rest of the term but we need to 2 more office spaces. We propose to convert these rooms to office space. See SOWK Institutional R&R proposal. This request is for office furniture.				\$ 3,874	\$ 3,874	No	\$ 1,011,895
58	10 - 2	A&H / Art & Design	Blackline Filter One Ink & Emulsion Filter	The filtering of ink waste from Printmaking would be safer and more standard if we were able to install this system.		1	1,500.00	\$ 1,500	\$ 5,374	No	\$ 1,011,895
59	14 - 4	A&H / Theatre and Dance	Industrial/Commercial Serger	Before a garment can be constructed, each piece must be serged to bind off the raw edges of the fabric to ensure it does not fray or unravel. Over the last 4 years, there has been a steady decline in the quality of the binding process, requiring repeated efforts to ensure a stable finishing. The serging process lengthens the life of each garment and ensures that they may be reused or repurposed over decades.		1	2,000.00	\$ 2,000	\$ 7,374	No	\$ 1,011,895
60	15 - 3	Library and Learning	3 touchless automatic water fountains/bottle fillers for lower-level Highway 101, library 1st and 2nd floors. Quotes from facilities.	The lower level (Highway 101) and 1st floor fountain areas literally have holes in walls which have never been repaired by facilities. Fountains were never replaced in previous construction. 2nd floor fountain is outdated and needs to be replaced.		3	2,400.00	\$ 7,200	\$ 14,574	No	\$ 1,011,895
61	16 - 4	Library and Learning	Automatic restroom door openers for first floor restrooms. Quotes from facilities.	Accessibility advocates have recommended automatic door openers for our first-floor restrooms. Library spaces and services should be models of accesibility for the entire university.		2	2,000.00	\$ 4,000	\$ 18,574	No	\$ 1,011,895
62	23 - 3	College of Business	MH 2nd Floor Commons Area: 4 chairs & 4 ottomans for students	Morris Hall has two large areas with full windows. It would be a perfect quiet study area for students. Currently a very old desk/chair is sitting in those two spaces. There is also a cubby across from Honors that could use comfortable seating for students to study. Currently, it has a couple of old benches in there. It is not being utilized to its potential due to the uncomfortable seating.	500.00	4 each	1,125.00	\$ 4,000	\$ 22,574	No	\$ 1,011,895
63	24 - 1	SB / Economics	65-user Stata/IC Lab license (used through MavAPPS)	Stata is one of the best statistical software packages for teaching students Econometrics, and is widely used in the Economics Department in classes like ECON 207 and ECON 462. The current license that we have is for a 65-user license of Stata 13, which was released back in June of 2013, which is over 8 years old. This software is horribly out-of-date in terms of user interface as well as the statistical tests that it is able to do. This request would update this Stata license to the most recent version, version 16. Tangible instructional upgrades of this newer version include Structural Equational Modeling, much better Survival Analysis statistical techniques, Markov-switching for time series-models, Bayesian analysis, and nonparametric series regression. This upgrade will allow instructors to cover more cutting-edge and up-to-date statistical and Econometric methods in class, and will help students a more up-to-date statistical skillset.	1,650.00	1 license (65 users)	3,300.00	\$ 1,650	\$ 24,224	No	\$ 1,011,895
64	16	Physical Plant - Plumbing - 214004	Reheat & Radiation Package to include converters, pumps & fittings for Performing Arts	Replace existing systems that were installed when the Performing Arts was built - approximately 55 years ago.		1	\$ 25,000	\$ 25,000	\$ 25,000	No	\$ 1,011,895
65	17	Physical Plant - Plumbing - 214004	Reheat & Radiation Package to include converters, pumps & fittings for Highland Center	Replace existing systems that were installed when the Highland Center was built - approximately 60 years ago.		1	\$ 35,000	\$ 35,000	\$ 60,000	No	\$ 1,011,895
										No	

Items Not Recommended for Funding Due to Not Meeting Criteria Subtotal **\$ 84,224**

Grand Total All Requests **\$ 2,082,553**