

**Minnesota State University, Mankato**  
**FY09 Institutional Equipment and Furnishings**

Approved 5/12/08

Updated 5/12/08

Item #	Division Priority #	Department Unit	Equipment Description	Rationale	Matching Funds	Quantity	Unit Price	Approved Funding	FY09 Running Total
A	B	C	D	E	F	G	H	I	J
1	1	Academic Affairs Social and Behavioral Sciences	Furniture for expanded classroom AH 13	SBS is short classroom space, especially appropriately sized classroom space. A wall is being removed in AH11C, because the room does not meet fire code regulations. This change will expand AH 13 to 50 seats and furniture is needed for this new, larger classroom.	\$1,183	1	\$14,183	\$13,000	\$13,000
2	2	Academic Affairs Law Enforcement	Furniture for rented classroom space in Carkoski Commons Room 13	SBS is renting CC13 for a Law Enforcement Classroom and Lab, because of space shortages. In FY 08 the College is paying to have the room painted and tiled, and to install cabinets. In FY 09, classroom tables and chairs as well as technology equipment are needed to complete the project. SBS has requested space and renovations for a Law Enforcement lab annually since 2001.	\$1,303	1	\$12,078	\$10,775	\$23,775
3	3	Academic Affairs Counseling and Student Personnel	Seminar table; and chairs; side table/storage unit, wall mounted whiteboard for AH 108	Furnish room appropriately for CSP doctoral classes, admission interviews, thesis and dissertation defenses		1	\$12,725	\$12,725	\$36,500
4	4	Academic Affairs Counseling and Student Personnel	6 HDTV's with Integrated tuners and DVD player with VGA capability; mount for each monitor (6);- AH 003	AH003 provides six small counseling rooms off a common room. This equipment will enable students to watch and receive feedback from faculty on counseling sessions connected within the CSP Master's program		6	\$1,000	\$6,000	\$42,500
5	5	Academic Affairs Communication Disorders	Phonatory Aerodynamic System (PAS) - Kay Elemetrics Corp.	Replace aging/outdated laboratory equipment (current equipment still runs on MS DOS)	\$3,000	1	\$9,500	\$6,500	\$49,000
6	6	Academic Affairs Electrical & Computer Engineering Technology	Tektronix DPO4104-(1GHz, 4-channel oscilloscope with 10M record)	New digital oscilloscopes for microprocessor lab courses EET484, 454, 456, 486; EE 614 & 253		2	\$14,000	\$28,000	\$77,000
7	7	Academic Affairs Automotive and Manufacturing Engineering Technology	Exhaust emissions analysis console for the measurement of engine exhaust emissions	Teaching and research; analysis console will be central to collection of engine efficiency and emissions data		1	\$50,000	\$50,000	\$127,000
8	8	Academic Affairs Library Services	Furnishings for 9 new group study rooms on 2nd and 3rd floor of the Library	There is continued demand for the use of the group study rooms in the Library as each semester moves along, especially closer to midterms and finals. Students use these to work collaboratively on group projects or for quiet study. This proposal adds furniture with adequate technology setup to each room.	\$10,000	8	\$5,000	\$30,000	\$157,000
9		Institutional	MavCard Access	Securitas/Lenel Professional Technical Services to review and initiate action to resolve outstanding software and hardware issues. Purchase back-up semi-portable MavCard Badge System.			\$25,000	\$25,000	\$182,000
10	1	ITS	Application Layer Firewall	This equipment is required after July 1st by the Payment Card Industry to protect any of our servers that contain or facilitate credit card transactions (Visa, Mastercard, Discover) for services including MavCASH, parking permits, athletic ticket sales,				\$30,000	\$212,000
11	1	Advancement - KMSU Radio	Portable Remote Studio	Allow live broadcasts from various campus locations. Will assist student learning as students will be actively involved in these broadcasts.	none	1	\$7,000	\$7,000	\$219,000
12	1	Student Affairs Security	VoIP Communications Center Consoles	Migration of communication system to UHF and/or interoperability with other agencies (police, fire, ambulance, etc.). Would allow dispatch functions to be transferred to a remote network location (on or off campus in the event of loss of existing dispatch facility due to emergency.	Matching Funds from Parking \$20,000	2	\$20,000	\$20,000	\$239,000

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13	1	Facilities	1989 John Deere Tool Carrier Model 544E-T-C Front End Loader	MSU has two front-end loaders which are critical to snow removal in the large parking lots. The loaders are the only equipment MSU has with the power and traction required to push snow off the large parking lots. These loaders are 12 to 18 years old and are getting high hours. The 12- year old unit is the more powerful unit and is the loader of choice for plowing the large parking lots. This request will replace the 18-year old loader with a newer, more powerful unit and will relieve some of the hours on the 12-year old loader.	\$112,927. The lion's share of the cost of this new piece of equipment will be paid for with FY09 Parking funds (\$77,927) and we expect to receive a \$35,000 trade-in value for our 18-year old machine.	1	\$137,927	\$25,000	\$264,000
14	10	Academic Affairs Art	Hall display system for Conkling wing of Nelson Hall	All eight existing panels are deteriorating, and one of them is broken. Artwork displayed in this hallway is viewed by students, parents and other visitors to the University.		1	\$7,200	\$7,200	\$271,200
15	11	Academic Affairs Nursing	Electronic Medical Record (EMR) system consisting of two Dell Latitude XT computers a computer cart and Athens Site License	Establishing the use of EMR systems has been identified as a priority by both federal and state leaders. Nurses are primary users of these systems and it is imperative that they are highly conversant with their use and application. To promote students acquisition of this essential skill EMR systems need to be systematically integrated into clinical education processes. This request is for funds to purchase the hardware to run an EMR program, and the software license for 2 years. The system we are proposing is the Athens Project - a electronic medical record developed for nursing education. Access to system has already been purchased by MnSCU and it is in use in two colleges in the MnSCU system. We are requesting portable tablet computers so that students can enter data at the bedside and faculty can use preloaded grading sheets to evaluate student performance when doing simulation. Tablet computers are necessary for the touch screen feature. They will provide us with the capability to use the server based Athens EMR system.		1	\$19,554	\$19,554	\$290,754
16	12	Academic Affairs Nursing	-Hydration and Nutrition Teaching/Learning Resource consisting of three Baxter Mounted Intravenous (IV) Pumps with Infusion Stands and Intravenous (IV) arm & hand units.	Maintenance of hydration and nutrition is a central function for nurses across health care settings. This item is to fund the purchase of equipment that can be used to teach nursing student essential basics of intravenous infusion fluid management.		1	\$5,875	\$5,875	\$296,629
17	13	Academic Affairs Nursing	Health Assessment Training and Monitoring System which includes two Welch Allyn Atlas Monitors with SpO2 NIBP,ETC02, Temp, resp, battery & printer; one stand; one auscultation training system	Assessment is the primary responsibility of the nurse. In the contemporary acute care assessment is largely achieved with the assistance of complex electronic monitors and equipment. The first vital step for students is to learn how to use monitors and equipment and how to interpret the data. The requested system teaches nursing students how to assess clients using standard electronic equipment.			\$18,671	\$18,671	\$315,300
18	14	Academic Affairs Educational Leadership	Replacement equipment for Challenge course	Replace equipment to insure continued safety of participants		1	\$5,181	\$5,181	\$320,481
19	15	Academic Affairs Chemistry & Geology	Real-time PCR by Stratagene, Inc.	To be used for laboratories in upper division Biochemistry courses		1	\$29,995	\$29,995	\$350,476
20	16	Academic Affairs Physics	Multichannel analyzer modules	Principle instruments for upper division Physics laboratories, and connected to new directions in Medical Physics.		3	\$10,000	\$30,000	\$380,476

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21	17	Academic Affairs Art & Mass Communication	Xerox Color Phaser 7760DN Color Printer	This unit would supplement and soon replace a similar aging unit in the NH 202 - 203 computer labs. Art, Mass Comm. and other students from all areas take the Art 202, Introduction to Digital Media, course offered in these facilities. The labs also support intermediate and advanced graphic design courses for the Departments of Art and Mass Communications.		1	\$7,100	\$7,100	\$387,576
22	1	Intercollegiate Athletics	Athletic Equipment Room track storage system	Allows athletic equipment to be stored and retrieved more efficiently within the athletic equipment room. Would result in increased storage capabilities and increased staff efficiencies, keeping operating costs to a minimum. This type of portable, moveable storage is especially critical during pre-season when teams are temporarily displaced from Highland Center facilities to the Taylor Center during Vikings training camp.		1	\$16,500	\$16,500	\$404,076
23	2	ID - Intercultural St. Center	Computer work stations	none exist		15	\$600	\$9,000	\$413,076
24	2	Advancement - UA Vice President	Work Stations/Reception Furniture	Remodel/Refurbish VP Suite AF 224. VP furnishings date back to late 1980's.	none			\$34,000	\$447,076
25	2	Student Affairs Security	Communications Center Furniture Upgrade	Upgrade of racking mount consoles in communications center and furniture.	Matching Funds from Parking \$30,000	1	\$60,000	\$18,000	\$465,076 (Partial Funding)

**Institutional Equipment NOT Funded (In Priority order if future funding becomes available)**

1	2	Student Affairs Security	Communications Center Furniture Upgrade	Upgrade of racking mount consoles in communications center and furniture.	Matching Funds from Parking \$30,000	1	\$60,000	\$12,000	(Partial Funding)
2	18	Academic Affairs Library Services	Furnishings and technology for a new quiet study room on the first floor of the Library	This project will include removal of old compact shelving from the Northwest corner of the first floor, freeing up 800 sq. ft. of space for student use. The area will then be reconfigured and glass-insulated to provide a quiet environment for studying.	\$5,000	1	\$35,000	\$30,000	
2	19	Academic Affairs Music	Steinway Model B 7' Piano for PAC 109	Equipment will last far longer than 3 years Steinway represents music state-of-the-art technology This is instructional equipment for a music classroom. The instrument would impact 800,000 individuals.	\$10,000 (from Schmitt Music)	1	\$80,000	\$70,000	
3	20	Academic Affairs Upward Bound, Student Support Services, Talent Search, McNair	Multimedia classroom station for Wiecking Center 322 (overhead projection unit, dvd player, laptop connection, ceiling speakers, document camera, internet connection, control panel, equipment cabinet).	During the academic year, this room is used by: SSS for tutor training, leadership workshops, academic workshops and seminars; by all programs for staff meetings and development activities; and by ETS and Upward Bound for weekend and evening workshops (including financial aid, career exploration and study skills presentations. Additionally, Military Science and The Children's House use the room for	\$6,000 (IT Services will typically cover half the cost of the equipment and will perform the installation.)	1	\$12,000	\$6,000	
4	3	Facilities	Toro 72 inch Deck Mower	It is time to cycle one of the worn out 72" mowers and replace it with a new one. These mowers log many hours every year and must be replaced once they become mechanically unreliable. This request will replace one of the existing mowers that began having transmission problems this year. This vehicle is also converted into a snow broom for winter snow removal operations and is therefore a very versatile piece of equipment that's critical to lawn care and snow removal.	\$ 11,500	1	\$28,500	\$17,000	

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5	3	Student Affairs Security	Redundant VoIP and Analog Backup Telephone Equipment to Serve Security Communications Center	Upgrade backup telephone equipment serving communications center. Existing configuration is subject to outages in ITS Cisco Telephone System core router and network outages.	Matching Funds from Parking \$9,000	1	\$18,000	\$9,000	
6	4	Intercollegiate Athletics	Portable Press Box	Provide adequately weather-protected scorer table/press box/filming station at outdoor athletic facilities such as soccer, softball, and baseball.		1	\$16,500	\$16,500	
7	21	Academic Affairs Nursing	Simulation Debriefing Equipment to include a built-in LCD projector, desktop computer, laptop Connection and Internet wiring	Perhaps the most valuable learning tool in simulation is the debriefing. This is a session where the students and instructor review video and narrative data related to their performance during a simulated experience. This process teaches students how to critique their practice against evidence based standards of best practices. Currently we have no facility to conduct these sessions. This item will		1	\$12,000	\$12,000	
8	22	Academic Affairs Nursing	Anatomical and Micro simulation Learning Equipment to include a giant functional brain; Somso life-size wrap around torso; Thinman anatomy charts; Somso male pelvis; Somso female pelvis; Somso kidney; laminated chart set; interactional instruction software	Clinical sites, where student nurses can gain skills and competence, are becoming increasingly difficult to locate. Additionally, when in the clinical setting the markedly increased acuity requires the student nurses to have mastery over a wider range of more complex skills than ever before. To fill this gap, nursing educators have been forced to consider alternative pedagogical strategies. The most effective		1	\$10,329	\$10,329	
9	23	Academic Affairs Human Performance	Hydrotrack underwater treadmill & aquatic therapy	This piece of equipment would provide support to multiple units. <b>Athletic Training Education</b> : Program accreditation specifically indicates aquatic therapy for upper and lower body injury. We are currently deficient in this area due to Highland Center pool scheduling. <b>Exercise Science Education</b> : Upper-level undergraduate exercise science courses will be able to utilize the Hydrotrack unit. <b>Athletic</b>		1	\$57,850	\$57,850	
10	3	Facilities	Bobcat Skidster, Model 753	The Bobcat skidster is a smaller multipurpose loader used for snow removal in the winter and for landscaping and loading during the summer.	\$12,000	1	\$22,000	\$10,000	
11	24	Academic Affairs Computer Science	Updated Mobile Robots	Replacement mobile robots to support undergraduate & graduate research, as well as use in CS300, 425, and 430.		1	\$54,445	\$54,445	
12	25	Academic Affairs Health Science	Six Manikins with Memory and Printer	Used for training of students in the Health Science 210 Class. The 210 Class is an advanced First Aid and CPR class that trains upwards of 400 students a year.		6	\$1,339	\$8,034	
13	26	Academic Affairs Health Science	Four Resusci Anne SkillReporter Full-Body Manikin	Used for training of students in the Health Science 210 Class. The 210 Class is an advanced First Aid and CPR class that trains upwards of 400 students a year.		4	\$2,514	\$10,056	
14	27	Academic Affairs Health Science	Six Advanced Airway Management Trainer	Used for training of students in the Health Science 210 Class. The 210 Class is an advanced First Aid and CPR class that trains upwards of 400 students a year.		6	\$1,339	\$8,034	
15	28	Academic Affairs Biological Sciences	Flow Cytometer	Analyze individual cells for DNA content and other components		1	\$60,000	\$60,000	

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16	29	Academic Affairs Geography	Geographic Information Science Equipment, Materials, Software, and Data	Specialized transportation modeling software, contact probe and fiber optic cable for existing hand-held field spectrometer, airborne hyperspectral remote sensing data (useful for teaching and research), energy maps and aerial photographs. All items form one bundle that will enhance teaching and research related to Geographic Information Sciences (GISc) and, this year, have a timely applications to Energy and Land Use, Energy Futures, and Transportation of Natural Resources and Pollutants. Please note that the last item (Energy Maps & Aerial Photos) is strongly supported by the MSU Library as the materials will be housed there allowing the broadest possible access.	\$5,000	1	\$27,132	\$22,132	
17	30	Academic Affairs K-12 and Secondary Programs	Multimedia cabinet with presentation/instructional equipment including PC tower, monitor, speakers, video accessories; finish to match current furniture - AH 312E	Modernizes heavily used seminar room for KSP department			\$5,090	\$5,090	
18	31	Academic Affairs Electrical & Computer Engineering Technology	Tektronix DPO4104-(1GHz, 4-channel oscilloscope with 10M record)	Additional digital oscilloscopes for microprocessor lab; also for courses EET484, 454, 456, 486; EE 614 & 253		2	\$14,000	\$28,000	
19	5	Intercollegiate Athletics	Stomper mascot suit	Would allow Stomper to make many more campus appearances and allow for appearances at simultaneous events. It should be noted that there		1	\$5,000	\$5,000	
20	32	Academic Affairs Library Services	Off-site compact storage units to house low-use materials within Taylor Center.	The purchase of compact shelving will allow the creation of more study/reading areas on the first floor through the storage of infrequently used material within Taylor Center. More bound volumes will be moved off-site and new study areas, resulting from the move, will address an increased demand for study space on Library floors.	\$40,000	1	\$90,000	\$50,000	
21	33	Academic Affairs Automotive and Manufacturing Engineering Technology	Exhaust emissions analysis console for the measurement of engine exhaust emissions	Teaching and research; additional analysis consoles are also central to collection of engine efficiency and emissions data		1	\$50,000	\$50,000	
22	35	Academic Affairs Chemistry & Geology	TOC-TN Analyzer; Schimadzu TOC-V with SSM-5000A and ASI-V autosampler	Teaching and Research Vorlicek & Thoenke		1	\$36,456	\$36,456	
23	6	Intercollegiate Athletics	Weight Room equipment upgrades	Replace old worn weight presses, lifting stations and equipment that is becoming worn and potentially hazardous.		1	\$8,000	\$8,000	
24	37	Academic Affairs Physics	High resolution gamma spectrometer (Ge detector system)	This instrument is essential for work in medical physics, and used for upper division course work and research.		1	\$25,000	\$25,000	
25	38	Academic Affairs Electrical & Computer Engineering Technology	Tektronix DPO4AUTO-Application Module for Automotive Serial Triggering & Analysis	Instrument used in computer engineering courses.		20	\$1,250	\$25,000	
26	4	Student Affairs Campus Recreation	John Deere Gator or Kawasaki Mule	Field use during intramural sport events	With Campus Rec	1	\$5,000	\$5,000	
27	7	Intercollegiate Athletics	Athletic Training Room student-athlete rehabilitation equipment	Game Ready rehab unit and accessories to help increase rehab time for student-athlete injuries		1	\$6,000	\$6,000	

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<b>Removed from List - Does not qualify for Capital Assets</b>									
1	2	Intercollegiate Athletics	Color Laser printer/scanner	Athletic Communications Office. Would allow for Sports Information Office to produce small quantity, full color programs, handouts, and media pieces efficiently for non-revenue producing and tier II sports such as women's hockey, volleyball, soccer, etc.		1	\$4,500	\$4,500	
2	40	Academic Affairs Modern Languages	Seven Region Free DVD's for classrooms ( ML 047, ML045, AH302, AH310, WC Aud, NH03, PA104)	Plays international DVD's for Film or Modern Language classes		7	\$250	\$1,750	
3	41	Academic Affairs Art	Polyvision IP-15 Interactive Panel	Improve capabilities for classroom instruction for art education courses		1	\$2,700	\$2,700	
4	42	Academic Affairs Educational Leadership	Renovation of Ed Leadership Conference room (AH205) into two offices - AH 105	Need to accommodate new faculty for doctorate program		1	\$9,062	\$9,062	
5	3	ID - Intercultural St. Center	Computers	Current computers are hand-me-downs from the Academic Computer Center		15	\$1,200	\$18,000	
6	4	ID - Intercultural St. Center	Printer	none exists		1	\$1,500	\$1,500	

**Remodeling Project - To be submitted with the R&R Projects**

1	1	ID - Intercultural St. Center	Space for computer work stations	Up-to-date computer work stations are desperately needed in the Intercultural Student Center for student/staff/faculty use. Students make heavy use of the ISC for individual and group instructional support activities. The Institutional Diversity Peer Tutoring and Counseling Program is housed in this facility which currently has inadequate space and out-dated/hand-me down computers on tables obtained from Surplus. There is a need to expand the individual and group study/work space by 150 square feet, providing a remodeled entrance to the ISC, new computers and computer work stations.	none	150 sq. '	\$150	\$22,500	
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**Part of the Card Access Projects Process**

1	3	Intercollegiate Athletics	Highland Center Locker Rooms card access system	Continued implementation of card access system to alleviate security and safety concerns.		1	\$40,000	\$40,000	
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**Part of self funded Hwy 169 Project**

1	9	Academic Affairs Extended Learning	Technology and furnishings needed for the University's new classroom site located near the intersection of Routes #169 and #494 in Eden Prairie, Mn	Standard classroom presentation system (7 @ \$18,000=\$126,000); ITV Classrooms (1 @ \$48, 400); Computer classroom of 21 stations including furniture (\$102,273); Office Computer set-ups (3@ \$5,000=\$15,000) for a total of \$291,673				\$50,000	
2	34	Academic Affairs Extended Learning	Technology and furnishings needed for the University's new classroom site located near the intersection of Routes #169 and #494 in Eden Prairie, Mn	Standard classroom presentation system (7 @ \$18,000=\$126,000); ITV Classrooms (1 @ \$48, 400); Computer classroom of 21 stations including furniture (\$102,273); Office Computer set-ups (3@ \$5,000=\$15,000)				\$50,000	
3	36	Academic Affairs Extended Learning	Technology and furnishings needed for the University's new classroom site located near the intersection of Routes #169 and #494 in Eden Prairie, Mn	Standard classroom presentation system (7 @ \$18,000=\$126,000); ITV Classrooms (1 @ \$48, 400); Computer classroom of 21 stations including furniture (\$102,273); Office Computer set-ups (3@ \$5,000=\$15,000)				\$50,000	
4	39	Academic Affairs Extended Learning	Technology and furnishings needed for the University's new classroom site located near the intersection of Routes #169 and #494 in Eden Prairie, Mn	Standard classroom presentation system (7 @ \$18,000=\$126,000); ITV Classrooms (1 @ \$48, 400); Computer classroom of 21 stations including furniture (\$102,273); Office Computer set-ups (3@ \$5,000=\$15,000)				\$141,673	