

1. Missoula College of Technology – New Facility South Campus.....\$32,500,000

This proposed building project addresses the needs and requirements of the east campus facility. The permanent structures on the east campus are 35 years old and are woefully unsuited to the needs of our current programs. The structures provide inadequate space for faculty offices, student services, classrooms, conference rooms, library, student commons, bookstore, counseling, study, and instructional laboratories. If approved, the building project would provide the necessary funding to construct a new facility of approximately 100,000 gsf on the new south campus in Missoula that would address our needs for both current and new programs.

The University over the past 10 years has invested resources to modify and retrofit the facility to meet the demands of a growing college. Programs have been moved to other facilities, laboratories have been relocated, and additional walls constructed to create new classrooms. Additionally, temporary trailers were purchased to provide more classroom and faculty office space. However, these investments are inadequate to appropriately meet the needs of the region's students for desired programs and a quality-learning environment. Expansion at our present location is precluded by site limitations.

**2. New Livestock Research and Outreach Laboratory \$5,000,000
MAES (Bozeman Ag Research and Teaching Farm) - (New Construction)**

Construction of self-contained large animal feeding and metabolism facility to replace outdoor winter feedlot and cattle feeding operations (20,000 sf at \$250 sf):

- live animal demonstration room with storage (3,000 sf)
- large animal surgical/metabolism facility (4,000 sf)
- 32-head cattle housing and handling (3,600 sf)
- 32-head sheep housing and handling (800 sf)
- classroom (1,000 sf)
- general laboratory and support room (1,600 sf)
- support spaces: office, laundry, locker rooms, shop, feed prep and storage, general storage (2,000 sf).
- non-assignable (mechanical/electrical, restrooms, corridors, etc. -4,000 sf)
- infrastructure – extend city sewer/water

**3. Science & Instructional Technology Center\$12,000,000
Billings Campus - (Renovation/New Construction/Deferred Maint/Code/Life Safety)**

As one of the earliest structures on this the third largest Campus within the state, we are the only campus that has not seen a new building in the past 4 decades. The 1947 Science building is in dire need of updating to meet the demands of today’s curriculum. The existing facility comprises 20% of the deferred maintenance within the campus’ academic facilities.

- Remodel existing Science Building (50,000 sq ft for \$6.75 million, ~ \$135/sf);
- Construct additional 20,000 sf for science programs and IT space, \$5.25 million, ~\$260/sf).

The new square footage will provide a safe modern learning environment for students. Hazardous and radioactive materials require the latest environmental safeguards. Additionally, this project will allow us to co-locate our IT resources in one modern, central location with the next generation high speed bandwidth infrastructure to support academic sciences and research; and provide easily accessible technology support for students, faculty and staff. The scope of this project includes code/ADA compliant general-purpose classrooms, space for alternative learning environments, integrated technology learning, multi-media center, replacement facilities for the central

computing area within McMullen Hall, wet and dry science laboratories including a cadaver lab to be used in conjunction with our neighboring medical complex.

4. Auto Tech Center\$4,750,000
Havre Campus - (New Const/Major Maint/Def Maint/Ops Savings/Code Comp/Life Safety)

The facilities used for Automotive Technology represent one of the largest remaining concentrations of serious deferred maintenance in academic buildings on the MSU-Northern campus. The Automotive Technology Building was built in 1952, with the Davey Pioneer Lab added in 1978. The project consists of renovation and new construction as well as redesign of the related exterior campus infrastructure. The 2007 Legislature appropriated \$800,000 for planning/design of this facility.

The existing Auto Tech complex (including the Davey Lab portion) is about 22,240 gsf. Project estimates includes:

- The Davey portion (about 1/3 of the area or ~7,240gsf) requires “moderate” renovation (mostly mechanical and systems work with minor space/configuration changes) for ~\$125/gsf.
- Demolish and replace the south shed area, ~2,500gsf at ~\$280/gsf.
- The balance of the old portion, ~12,500gsf, would require “heavy” renovation (possibly some replacement), including replacement of mechanical systems, new electrical, etc, plus some significant space/reconfiguration, for ~\$195/gsf.
- Project/design contingency of ~10%.
- Two downdraft paint booths and a clean room – (researched cost for a 24’Lx16’Wx11’H downdraft booth at ~\$50k purchase price each); additional electrical, mechanical, natural gas, and installation ~\$50k each equaling ~\$100k each x 2 booths. Small clean at ~\$300k for the three pieces of equipment. Projects:

a. Davey Area	\$ 905,000
b. Replace South Shed Area	\$ 700,000
c. Heavy Renov Area	\$2,437,500
d. ~10% Planning Contingency	\$ 405,000
e. Paint Booths & Clean Room	<u>\$300,000</u>
	\$4,747,500

5. Building Security & Safety\$250,000
Great Falls Campus - (Health/Life Safety)

This project would provide additional lighting for walkways, parking lots, and surrounding areas, used by increasing numbers of students and staff for the College’s extensive evening programming. The improved lighting, in addition to the installation of emergency call boxes located near the three major parking lots, will improve safety and security.

6. Main Hall Adaptive Renovations.....\$6,000,000
Dillon Campus (Renovation/Deferred Maint/Code/Life Safety)

This project will complete the adaptive renovations, deferred maintenance, life safety, ADA code compliance and historic restoration project of Main Hall on The University of Montana-Western campus that was partially funded in the 60th Legislative session.

7. Interdisciplinary Science Building – Finish Out.....\$2,000,000
Missoula Campus (New Construction)

Complete the research laboratories in the Basement, 2nd, 3rd and part of the 4th floors of the new Interdisciplinary Science Building on The University of Montana-Missoula Campus.

8. **FEMA TIER 2 Seismic Study\$500,000**
Bozeman campus
The MSU campus is within UBC Seismic Zone 3, which is adjacent to the only Zone 4 area in the US (Big Sky, Montana) that is outside California or Alaska. In 2005, MSU completed a FEMA Tier 1 Seismic Study which identified a list of 36 major (state-funded) facilities that required additional in-depth structural analysis. (Approximately 20 of MSU’s existing facilities scored high enough on the initial review that no further analysis is required.)
9. **ROTC Field Facilities\$1,250,000**
Bozeman Campus - (New Construction)
ROTC’s field functions currently occupy an old farm building on a piece of land that is owned by the MSU Foundation and currently is up for sale. A new facility for ROTC would comprise 8,000 gross square feet and include a classroom, offices, combat room, cannon garage, equipment storage, uniform storage, and uniform assignment areas. ROTC practices field exercises can appear threatening to onlookers and therefore need to be situated away from the main university campus and its neighbors. Field exercises require ten unbounded acres. Since a move is imminent, this new structure should be built before the existing one is sold to ensure continuity of program for the ROTC.
10. **Hagener Science Center – Renovate Lab/Upgrade HVAC\$2,000,000**
Havre Campus - (Adaptive Renovation/Major Maint/Code/Life Safety)
Hagener Science Center was constructed in 1969 to house the chemistry and other science related departments. Since the original construction, there has been limited renovation to the science laboratories. This project would renovate the science laboratories to provide for a modern teaching environment and code upgrades to accommodate current life safety standards including renovation of the chemical storage rooms. This project will replace the boiler and cooling system and redesign the air handling system so that ventilation from the chemical store rooms is properly vented.
11. **Haynes - Upgrade H&V\$750,000**
Bozeman Campus - (Deferred Maint/Code)
Haynes Hall was constructed in 1974 and houses the School of Art. This project would upgrade the building heating system and add adequate ventilation to accommodate the industrial uses in the building.
[Note: The evolving MSU Master Plan designates the site currently occupied by Haynes Hall as significant to the future connection of central campus green space as the campus expands to the west. The plan anticipates that Haynes may be retired/demolished at some point in the next 25+ years.]
12. **Heating Plant – Fluid Cooling Loop\$250,000**
A once-through domestic water supply currently serves many pieces of equipment that require cooling water in the Heating Plant. Water is quickly becoming an increasingly expensive resource and installing a closed loop cooling system would provide considerable water consumption savings.
13. **Linfield – Elevator/Restrooms\$850,000**
Bozeman Campus - (Deferred Maint/Code/Life Safety)
Linfield Hall, constructed in 1910, houses the College of Agriculture. Originally designed for a male-dominated curriculum, the building has woefully inadequate and malfunctioning restroom

facilities which are now significantly deteriorated. The four story building has no elevator. MSU has commissioned the design of new restrooms to meet modern gender demographics and a new elevator using university major maintenance funds. This project will construct new restrooms and install a new elevator to meet codes and accessibility requirements.

14. Equipment and Vehicle Storage\$1,100,000
MAES – 7 Station Sites - (Renovation, Deferred Maintenance, New Construction)

Field research facilities require a mix of renovation, demolition, and new construction to protect research equipment and state vehicles from the environment/weather to reduce equipment O&M. Modest electrical required in some facilities.

- Moccasin \$200,000
- Sidney \$120,000
- Havre (2 projects) \$125,000
- Bozeman \$300,000
- Huntley \$ 75,000
- Corvallis \$200,000
- Creston \$ 75,000

15. MUS Roof Replacement (MSU Campuses \$1,625,000; UM Campuses \$1,000,000)..\$2,625,000
 Repair and replacement of selected roofs on all of the campuses.

16. Montana Hall – Planning/Design.....\$850,000
Bozeman Campus - (Renovation/Deferred Maint/Code/Life Safety)

Construction on Montana Hall (39,725 gsf/ 32,144 nasf) was begun in 1896 and completed in 1898. Although not the oldest structure on campus, Montana Hall continues to be the flagship structure and focal point of the campus. The building originally housed classrooms, laboratory spaces, offices for the president, registrar, library, and an assembly hall. Even though numerous (and sometimes insensitive) alterations have occurred, the building retains its character and most of the original detailing. Montana Hall is in the center of the historic core of the university and is physically the most dominant building on campus. A comprehensive study was performed on Montana Hall in 2001, and demonstrated that the building is in need of significant repairs and upgrading including deferred maintenance, adaptive renovation, life safety corrections, structural repairs, building code and ADA renovation. The collective project will include major structural repairs, installation of mechanical HVAC system, and replacement of the electrical systems to provide up-to-date ventilation, power and data distribution and replacement of the obsolete plumbing system. Adaptive renovations will provide modern offices and administrative areas including restoring elements of the historically significant building.

17. All Campus – Code/Deferred Maintenance.....\$7,350,000

State funding is needed to address life safety, code and accessibility problems that have been identified during thorough Facilities Condition Inventory inspections performed at each campus, and by various state and city agencies. These projects are necessary to meet requirements of the International Building Code, Americans with Disabilities Act. ANSI Guidelines, Uniform Fire Code, Life Safety Code, citations from OSHA, citations from the Department of Labor and Industry, etc. They include items such as fire alarms, fire sprinklers, fire doors and separation assemblies, stair enclosures, guardrails, emergency lighting, egress lighting, ventilation systems, and other noted deficiencies.

Spending Authority Only – No State Funds Required

Montana Museum for Art and Culture – Missoula Campus.....\$15,000,000

This request seeks to increase the Spending Authority granted by the 59th Legislature from \$6,000,000 to \$15,000,000 for new gallery space on campus. The Meloy Gallery in the Performing Arts-Radio/Television Building is the primary exhibition space for The University's Permanent Art Collection. The continuing concern for the Collection is its availability to the public and the University community. The School of Fine Arts Advisory Council, along with the UM Foundation have long urged the University to create more opportunities to display this resource. At the same time, students need access to the Collection if they are to benefit from it. The University of Montana proposes constructing 36,000 GSF of new gallery space which would increase exhibition space, provide basement for storage and a gallery/meeting room and office space.

Alumni/Foundation Building – Missoula Campus.....\$11,000,000

Spending Authority is requested from the State to be granted to The University of Montana to construct and administer this new Alumni/Foundation facility on campus. All construction and project expenses associated with this project would be funded from sources other than those directly received from the State. The University of Montana is requesting operations and maintenance support from the State for only the portion of the facility which houses the Alumni Association (10,654 GSF)

Broadcast Media Center – Missoula Campus.....\$6,000,000

This project will construct an addition to the PARTV Building to consolidate all of Broadcast Media's staff and operations into one building. It is currently estimated that the addition will be approximately 17,000 GSF and will include not only offices, conference rooms, public areas, but also multi-media presentation rooms and video production and editing facilities.

General Spending Authority (UM Campuses \$6,000,000).....\$6,000,000

These are requests for spending authority to be granted to The University of Montana to construct and administer the projects which develop between Legislative sessions and require the University to address in a timely fashion. Additionally, these projects do not require support of additional programs.