



ARCHITECTURE &  
ENGINEERING DIVISION

# LONG RANGE BUILDING PROGRAM

Governor's Executive Budget  
Fiscal Years 2022-2023



OFFICE OF THE GOVERNOR  
STATE OF MONTANA

STEVE BULLOCK  
GOVERNOR



MIKE COONEY  
LT. GOVERNOR

December 7, 2020

Members of the Sixty-Seventh Legislative Assembly  
State of Montana  
State Capitol  
Helena, Montana 59620

Dear Honorable Members of the Sixty-Seventh Legislature:

I am pleased to present my recommendations for the Long-Range Building Program for the 2023 biennium, in accordance with 17-7-201 through 17-7-204 and 18-2-102, MCA.

This session's Long-Range Building Program is comprised of cash programs from the Major Repair and Capital Development accounts, and a general obligation bond program. Highest priorities for the 2023 biennium cash programs are numerous projects that address critical life safety, mechanical/heating systems, essential re-roofing needs, and significant deferred maintenance issues within existing state facilities. The bond program includes the Veterinary Diagnostic Lab, UM Forestry Conservation & Science Lab, MAES Research Lab, and other essential projects.

Sincerely,

A handwritten signature in blue ink, appearing to be "Steve Bullock", with a long horizontal flourish extending to the right.

STEVE BULLOCK  
Governor





**MONTANA  
DEPARTMENT OF  
ADMINISTRATION**

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**Director's Office**

Steve Bullock, Governor  
John Lewis, Director

December 3, 2020

Honorable Steve Bullock  
Governor of Montana  
P O Box 200801  
Helena, Montana 59620-0801

Dear Governor Bullock:

In accordance with 17-7-201 through 17-7-204, 17-7-223, and 18-2-102, MCA, we respectfully submit the enclosed agency capital project requests for the Long-Range Building Program for the 2023 biennium.

The Architecture & Engineering Division has solicited the needs of all State agencies and the University System, reviewed all facility requests, and we recommend the Long-Range Building Program as described in the following pages for inclusion in your Executive Budget.

Sincerely,

John Lewis  
Director

Russ Katherman, Administrator  
Architecture & Engineering Division

# TABLE OF CONTENTS

## Long-Range Building Program

Executive Summary .....	5
Table F-2: Revenue Estimate .....	8
Summary of Recommended Projects .....	9
Table F-3 .....	12
Table F-4 .....	18
Detailed Project Information - Major Repair Projects .....	22
Detailed Project Information - Capital Development Projects .....	103
Summary of All Agency Requests .....	164

## Campus Maps

Capitol Complex.....	173
School for the Deaf & Blind.....	174
Montana Law Enforcement Academy .....	175
Montana State Prison .....	176
Montana Women's Prison.....	177
Pine Hills Youth Correctional Facility.....	178
Riverside Special Needs Unit (RSNU).....	179
Watch East.....	180
Montana Developmental Center .....	181
Montana Mental Health Nursing Care Center .....	182
Montana State Hospital .....	183
Montana Veterans' Home .....	184
Eastern Montana Veterans' Home .....	185
Montana State University - Billings.....	186
Montana State University.....	187
Montana State University - Northern.....	188
University of Montana .....	189
Montana Tech of the University of Montana .....	190
University of Montana - Western.....	191

# EXECUTIVE SUMMARY

## LONG RANGE BUILDING PROGRAM 2022-2023



## LONG RANGE BUILDING PROGRAM

The Long-Range Building Program (LRBP) was initiated in 1965 to provide funding for construction and major maintenance of state buildings. The LRBP was developed in order to present a single, comprehensive and prioritized plan for allocating state resources for capital construction and maintenance of state-owned facilities. Primary statutory authority is Title 17, Chapter 7, part 2, MCA.

The LRBP prioritizes projects in two categories:

### MAJOR REPAIR

- Renovation, alteration, replacement, or repair project(s) with a total cost of less than \$2.5 million.
- A new facility with a total construction cost of less than \$250,000.

### CAPITAL DEVELOPMENT

- Renovation, construction, alteration, site, or utility project with a total cost of \$2.5 million or more.
- A new facility with a construction cost of \$250,000 or more.

Eligible projects shall have a current replacement value greater than \$150,000 and be included in the Statewide Facility Inventory and Condition Assessment.



## SINCE THE LAST LEGISLATIVE SESSION

### Completed Projects:

PROJECT	AGENCY	CITY
Norm Asbjornson Hall	Montana State University	Bozeman
PJW Education Center Expansion	University of Montana	Missoula
LA Building Renovation, Phases 3, 4, & 5	University of Montana	Missoula
Haynes Hall Ventilation Upgrade Phase 1	Montana State University	Bozeman
Mazurek Building Bridge Replacement	Dept. of Administration	Helena
Diesel Technology Center	Montana State University - Northern	Havre
Upgrade Donaldson Roof	Helena College	Helena
Living Learning Center	Montana Tech	Butte
Primary Electrical Safety Upgrades	Montana State Prison	Deer Lodge
Replace Central Heating System	Mental Health Nursing Care Center	Lewistown
Repair Domestic Water System	Montana Women's Prison	Billings
ADA Transition Plan	Capitol Complex	Helena
Female Latrines	Department of Military Affairs	Lewistown
Replace Hatchery Boiler	Dept. of Fish, Wildlife & Parks	Fort Peck
Replace Forensic Lab Boilers	Dept. of Justice	Missoula
Forestry Division Mechanic Shop	Dept. of Natural Resources & Conservation	Missoula

### Projects Under Construction:

PROJECT	AGENCY	CITY
Romney Hall Renovation	Montana State University	Bozeman
American Indian Hall	Montana State University	Bozeman
Life Science Building Renovation & Expansion	Montana State University	Billings
Steam Distribution Emergency Repairs	Montana Tech	Butte
Backup Water System	Montana State Hospital	Warm Springs
Reroof School, Gym & Maintenance Facility	Pine Hills Youth Correctional Facility	Miles City
Southwest MT Veterans Home	Dept. of Health & Human Services	Butte
Maintenance Shop	Dept. of Transportation	Wolf Point
Equipment Storage Buildings	Dept. of Transportation	Augusta & Eureka
Upgrade Missoula Headquarters	Dept. of Fish, Wildlife & Parks	Missoula
Law Enforcement Academy Bldg. Improvements	Dept. of Justice	Helena

## TABLE F-2: REVENUE ESTIMATE

### Long-Range Building Program Account Projections

<b>Beginning Cash Balance (July 1, 2021)</b>	<b>(\$486,139)</b>
Negative beginning fund balance due to decrease in coal severance tax revenue due to Covid 19 economic downturn	(\$3,409,608)
Reversions of Prior LRBP Account Appropriations	\$1,953,369
Delete "Indoor Firing Ranges Repurposing, Statewide", HB 5, 66th	\$970,100
	<u>(\$486,139)</u>
<b>Non-General Fund Revenue:</b>	<b>\$15,071,223</b>
Cigarette Tax	\$3,042,026
Coal Severance Tax	\$11,101,000
Interest Earnings	\$129,825
Supervisory Fees	\$576,372
DEQ Transfer - Energy Savings	\$222,000
	<u>\$15,071,223</u>
<b>Non-General Fund Revenue Available (Sum of Beginning Cash Balance &amp; Non-General Fund Revenue)</b>	<b>\$14,098,945</b>
<b>Expenditures:</b>	<b>(\$4,877,746)</b>
Operating Costs - A & E Division	(\$4,877,746)
Debt Service (Current debt service is paid from the General Fund)	\$0
Total Expenditures	<u>(\$4,877,746)</u>
<b>Non-General Fund Available for Major Repair Projects</b>	<b>\$9,221,199</b>
<b>Funding Proposals</b>	<b>\$17,531,514</b>
HB2 OTO General Fund Transfer(s)	\$17,531,514
(Per 17-7-222 MCA, The difference of non-GF funds and the major repair funding level requirement)	
Total funding Proposals	<u>\$17,531,514</u>
<b>Major Repair Funding Level Required by 17-7-222 MCA (.6%*Current Replacement Value*2 Fiscal Yrs)</b>	<b>\$26,752,713</b>

See Table F-3 for list of prioritized projects included in the Governor's Executive Budget and requesting appropriation, per 17-7-223 MCA.



# **SUMMARY OF RECOMMENDED PROJECTS**

## **STATEWIDE BY AGENCY 2022-2023**



# SUMMARY OF RECOMMENDED PROJECTS: STATEWIDE BY AGENCY

	LRBP Cash	LRBP Bonds	State Special	Federal Special	Authority Only	Total
DEPARTMENT OF ADMINISTRATION			6,922,122		7,779,230	14,701,352
DEPARTMENT OF CORRECTIONS	3,038,480					3,038,480
DEPARTMENT OF ENVIRONMENTAL QUALITY			3,700,000			3,700,000
DEPARTMENT OF FISH, WILDLIFE & PARKS			45,781,150	18,975,000	2,130,000	66,886,150
DEPARTMENT OF JUSTICE			3,851,475			3,851,475
DEPARTMENT OF LIVESTOCK		22,950,000			13,100,000	36,050,000
DEPARTMENT OF MILITARY AFFAIRS	1,888,763			21,515,243		23,404,006
DEPARTMENT OF NATURAL RESOURCES & CONSERVATION	260,000	2,250,000				2,510,000
DEPARTMENT OF PUBLIC HEALTH & HUMAN SERVICES	1,524,262	3,300,000	536,000			5,360,262
DEPARTMENT OF REVENUE		6,500,000				6,500,000
DEPARTMENT OF TRANSPORTATION			7,565,000	10,450,000		18,015,000
MONTANA SCHOOL FOR THE DEAF & BLIND	1,030,000					1,030,000
MONTANA UNIVERSITY SYSTEM	23,215,000	36,000,000			68,300,000	127,515,000
OFFICE OF PUBLIC INSTRUCTION	300,000					300,000
<b>TOTALS</b>	<b>31,256,505</b>	<b>71,000,000</b>	<b>68,355,747</b>	<b>50,940,243</b>	<b>91,309,230</b>	<b>312,861,725</b>



**TABLE F-3**  
**MAJOR REPAIR PROJECTS**  
**2022-2023**



## TABLE F-3 SUMMARY:

### Major Repair Projects

	FUNDING SOURCE				
	LRBP Cash	State Special	Federal Special	Authority Only	Total
MAJOR REPAIR PROJECTS W/LRBP CASH	26,752,713	536,000	2,101,529		29,390,242
DEPT. OF ADMINISTRATION		3,315,500			3,315,500
DEPT. OF ENVIRONMENTAL QUALITY		3,700,000			3,700,000
DEPT. OF FISH, WILDLIFE & PARKS		8,897,150	3,800,000	400,000	13,097,150
DEPT. OF MILITARY AFFAIRS			1,717,375		1,717,375
DEPT. OF TRANSPORTATION		2,300,000			2,300,000
<b>TOTAL</b>	<b>26,752,713</b>	<b>18,748,650</b>	<b>7,618,904</b>	<b>400,000</b>	<b>53,520,267</b>

**TABLE F-3:**  
Major Repair Projects

				FUNDING SOURCE				
Priority	Agency	Page	Project Description	LRBP Cash	State Special	Federal Special	Authority Only	Total
MAJOR REPAIR PROJECTS WITH LRBP FUNDS								
MR-01	OPI	23	Learning Center Civil Infrastructure Upgrades	300,000				300,000
MR-02	MUS	24	TECH Heating System Upgrades - Phase 1	2,480,000				2,480,000
MR-03	MUS	25	UM FLBS Sewer Treatment Plant	1,750,000				1,750,000
MR-04	MUS	26	MSU Reid Hall Fire System Upgrades	1,700,000				1,700,000
MR-05	MUS	27	UM Urey Lecture Hall Roof Replacement	350,000				350,000
MR-06	MSDB	28	Bitterroot Building Fire Sprinkler Upgrade	150,000				150,000
MR-07	DOC	29	MSP Unit F Boiler System / Controls	230,000				230,000
MR-08	MUS	30	UM Mansfield Library Roof Replacement	1,200,000				1,200,000
MR-09	MUS	31	MSU Haynes Hall Lab Ventilation Upgrades	1,600,000				1,600,000
MR-10	MUS	32	TECH Fire Alarm Upgrades	200,000				200,000
MR-11	MSDB	33	Sprinkler Systems- Mustang Center & Dining Room	150,000				150,000
MR-12	MUS	34	MSU Montana Hall Fire System Upgrades	455,000				455,000
MR-13	MUS	35	MSU BLGS Art Annex Safety and System Upgrades	1,200,000				1,200,000
MR-14	MUS	36	HC Donaldson Building HVAC Upgrades	1,000,000				1,000,000
MR-15	MUS	37	UMW Heating System Replacement and Repair	2,495,000				2,495,000
MR-16	MUS	38	UM Stone Hall Roof Replacement	400,000				400,000
MR-17	MUS	39	MSU NTHN Vande Bogart Library Roof Replacement	325,000				325,000
MR-18	DMA	40	Great Falls AFRC Roof Replacement	204,350		613,050		817,400
MR-19	COR	41	MSP Replace Fixture Cell Combo Units on High Side	1,013,480				1,013,480
MR-20	DMA	42	Kalispell AFRC Roof Replacement	357,496		642,104		999,600

Priority	Agency	Page	Project Description	FUNDING SOURCE				Total
				LRBP Cash	State Special	Federal Special	Authority Only	
MR-21	DMA	43	Lewistown RC Roof Replacement	91,500		91,500		183,000
MR-22	DPHHS	44	MSH Foundation Repair	200,000				200,000
MR-23	MUS	45	MSU Lewis Hall Roof Replacement	1,600,000				1,600,000
MR-24	DPHHS	46	MSH Main Building Roof Replacement	600,000				600,000
MR-25	MUS	47	MSU-N Auto Tech Building System Improvements	535,000				535,000
MR-26	DOC	48	Finalize Departmental Master Plan	575,000				575,000
MR-27	MSDB	49	Campus-Wide Access Control System	120,000				120,000
MR-28	MUS	50	UM Clapp Building Elevator Modernization	300,000				300,000
MR-29	MSDB	51	Bitterroot Building Lift Replacement	80,000				80,000
MR-30	DPHHS	52	MMHNCC Roof Replacement	550,000				550,000
MR-31	DMA	53	Billings AFRC Backup Generator	213,500		640,500		854,000
MR-32	DMA	54	Libby RC Loading Ramp Expansion	38,125		114,375		152,500
MR-33	MSDB	55	Cottage Buildings Roof Replacement	530,000				530,000
MR-34	DOC	56	PHYCF Door Control Systems	350,000				350,000
MR-35	DOC	57	MWP Door Control System	520,000				520,000
MR-36	MUS	58	UMW Roof Replacements	450,000				450,000
MR-37	MUS	59	TECH Roof Replacements	800,000				800,000
MR-38	DOC	60	Xanthopoulos Building Door Control System	350,000				350,000
MR-39	MUS	61	MSU-N Brockmann Center HVAC & Energy Upgrades	855,000				855,000
MR-40	DNRC	62	Swan Unit Office Siding and House Wrap	210,000				210,000
MR-41	DNRC	63	Stillwater Unit Shop Remodel	50,000				50,000
MR-42	DPHHS	64	MMHNCC New Flooring D-Wing	174,262				174,262
MR-43	DPHHS	65	MVH Special Care Unit Courtyard Improvements		75,000			75,000
MR-44	DPHHS	66	MVH Roof Resurface		144,000			144,000

				FUNDING SOURCE				
Priority	Agency	Page	Project Description	LRBP Cash	State Special	Federal Special	Authority Only	Total
MR-45	DPHHS	67	EMVH Facia Replacement		200,000			200,000
MR-46	DPHHS	68	MVH Major Building Maintenance		117,000			117,000
DEPARTMENT OF ADMINISTRATION								
DOA 01	DOA	69	VRF Piping Replacement - Scott Hart Building		900,000			900,000
DOA 02	DOA	70	Executive Residence Renovation		440,500			440,500
DOA 03	DOA	72	Withdrawn per the Governor's Amendments to 2023 Biennium Budget					
DOA 04	DOA	73	Withdrawn per the Governor's Amendments to 2023 Biennium Budget					
DOA 05	DOA	74	Mechanical Upgrade - 5 South Last Chance Gulch		<del>594,500</del> 575,000			575,000
DOA 06	DOA	75	Mechanical Upgrade - 2800 Airport Rd: FWP Hangar		<del>1,306,272</del> 1,000,000			1,000,000
DOA 07	DOA	76	Withdrawn per the Governor's Amendments to 2023 Biennium Budget					
DOA 08	DOA	77	Withdrawn per the Governor's Amendments to 2023 Biennium Budget					
DOA 09	DOA	78	Campus Facilities Repairs & Maintenance		<del>800,000</del> 400,000			400,000
DEPARTMENT OF ENVIRONMENTAL QUALITY								
DEQ 01	DEQ	79	State Building Energy Conservation Program		3,700,000			3,700,000
DEPARTMENT OF FISH, WILDLIFE & PARKS								
FWP 01	FWP	80	Future Fisheries		1,320,000			1,320,000
FWP 02	FWP	81	FAS Site Protection		2,050,000		400,000	2,450,000
FWP 03	FWP	82	Dam Maintenance		60,000			60,000
FWP 04	FWP	83	Community Fishing Ponds		200,000			200,000
FWP 05	FWP	84	Wildlife Habitat Maintenance		440,000	1,000,000		1,440,000
FWP 06	FWP	85	Forest Management		65,000			65,000
FWP 07	FWP	86	Migratory Bird Program		650,000			650,000
FWP 08	FWP	87	Upland Game Bird Enhancement Program		650,000			650,000
FWP 09	FWP	88	Smith River Corridor		200,000			200,000

				FUNDING SOURCE				
Priority	Agency	Page	Project Description	LRBP Cash	State Special	Federal Special	Authority Only	Total
FWP 10	FWP	89	Wildlife Habitat Improvement Program			2,000,000		2,000,000
FWP 11	FWP	90	Yellow Bay State Park site upgrade		1,200,000			1,200,000
FWP 12	FWP	91	Cedar Islands Infrastructure Upgrades		200,000			200,000
FWP 13	FWP	92	Hell Creek State Park		100,000	300,000		400,000
FWP 14	FWP	93	Admin Facilities Major Maintenance		1,762,150	500,000		2,262,150
DEPARTMENT OF MILITARY AFFAIRS								
DMA 01	DMA	94	Ft Harrison Bldg 530 Roof Replacement			244,000		244,000
DMA 02	DMA	95	Post Engineers Remodel			473,850		473,850
DMA 03	DMA	96	Billings FMS Compound Fencing			99,450		99,450
DMA 04	DMA	97	Ft. Harrison Range Vault Latrines			99,450		99,450
DMA 05	DMA	98	AASF Waste Tanks			137,250		137,250
DMA 06	DMA	99	Helena FMS MEP Rigid Concrete Paving Expansion			434,625		434,625
DMA 07	DMA	100	Limestone Hills Training Area Concrete Loading Ramp			122,000		122,000
DMA 08	DMA	101	Missoula FMS Rigid Concrete Paving			106,750		106,750
DEPARTMENT OF TRANSPORTATION								
MDT 01	MDT	102	Facilities Repair and Maintenance		2,300,000			2,300,000

**TABLE F-4**  
**CAPITAL DEVELOPMENT PROJECTS**  
**2022-2023**





## TABLE F-4 SUMMARY:

### Capital Development Projects

	FUNDING SOURCE					Total
	LRBP Cash	LRBP Bonds	State Special	Federal Special	Authority Only	
CAPITAL DEVELOPMENT PROJECTS WITH LRBP FUNDS	4,503,792	35,000,000		2,743,379	13,100,000	55,347,171
DEPT. OF ADMINISTRATION					7,779,230	7,779,230
DEPT. OF FISH, WILDLIFE & PARKS			36,884,000	15,175,000	1,730,000	53,789,000
DEPT. OF JUSTICE			3,851,475			3,851,475
DEPT. OF MILITARY AFFAIRS				14,952,960		14,952,960
MONTANA UNIVERSITY SYSTEM		36,000,000			68,300,000	104,300,000
DEPT. OF TRANSPORTATION			5,265,000	10,450,000		15,715,000
<b>TOTAL</b>	<b>4,503,792</b>	<b>71,000,000</b>	<b>46,000,475</b>	<b>43,321,339</b>	<b>90,909,230</b>	<b>255,734,836</b>



**TABLE F-4:**  
**Capital Development Projects**

				FUNDING SOURCE					
Priority	Agency	Page	Project Description	LRBP Cash	LRBP Bonds	State Special	Federal Special	Authority Only	Total
CAPITAL DEVELOPMENT PROJECTS WITH LRBP FUNDS									
CD-01	MUS	104	TECH Heating System Upgrades - Phase 2	3,520,000					3,520,000
CD-02	DMA	105	Butte Readiness Center	801,249			2,195,751		2,997,000
CD-03	DPHHS	106	SW Veteran' Home Enclosed Walkways		3,300,000				3,300,000
CD-04	DOL	107	MT Veterinarian Diagnostic & Ag Analytical Labs		22,950,000			13,100,000	36,050,000
CD-05	DNRC	109	Eastern Land Office Facilities & Shop		2,250,000				2,250,000
CD-06	DMA	111	Havre Unheated Storage Building	105,530			316,590		422,120
CD-07	DMA	112	Billings AFRC Unheated Storage Expansion	77,013			231,038		308,051
CD-08	DOR	113	Liquor Warehouse Expansion		6,500,000				6,500,000
DEPARTMENT OF ADMINISTRATION									
DOA 01	DOA	115	State Health Lab Renovation					6,000,000	6,000,000
DOA 02	DOA	117	Commodities Warehouse Expansion					1,779,230	1,779,230
DEPARTMENT OF FISH, WILDLIFE & PARKS									
FWP 01	FWP	118	Flathead Lake Recreation Access			4,959,000	2,900,000		7,859,000
FWP 02	FWP	119	FAS Acquisition			280,000			280,000
FWP 03	FWP	120	Fish Connectivity			200,000	1,025,000	615,000	1,840,000
FWP 04	FWP	121	Habitat Montana			9,550,000	2,000,000		11,550,000
FWP 05	FWP	122	Home to Hunt Access			850,000			850,000
FWP 06	FWP	123	Big Horn Sheep Habitat			320,000			320,000
FWP 07	FWP	124	Interpretation and Exhibit Upgrades				500,000		500,000

				FUNDING SOURCE					Total
Priority	Agency	Page	Project Description	LRBP Cash	LRBP Bonds	State Special	Federal Special	Authority Only	
FWP 08	FWP	125	Lewis and Clark Caverns			600,000			600,000
FWP 09	FWP	126	Havre Area Office			1,760,000	500,000		2,260,000
FWP 10	FWP	127	Lower Yellowstone Access			4,000,000			4,000,000
FWP 11	FWP	128	Shooting Ranges Statewide			250,000	2,250,000		2,500,000
FWP 12	FWP	129	Montana Wild Avian Rehabilitation Building					600,000	600,000
FWP 13	FWP	130	Grant Programs			3,390,000	6,000,000		9,390,000
FWP 14	FWP	131	Diversified Lodging			500,000			500,000
FWP 15	FWP	132	Milltown State Park			125,000		125,000	250,000
FWP 16	FWP	133	Fort Owen State Park					390,000	390,000
FWP 17	FWP	134	Parks Maintenance			2,500,000			2,500,000
FWP 18	FWP	135	Hatchery Maintenance			7,600,000			7,600,000
DEPARTMENT OF JUSTICE									
DOJ 01	DOJ	136	MLEA Scenario Training Building			3,851,475			3,851,475
DEPARTMENT OF MILITARY AFFAIRS									
DMA 01	DMA	137	Fort Harrison Barracks				6,000,000		6,000,000
DMA 02	DMA	138	Ft. Harrison Building 64 RTI Addition/Remodel				2,164,500		2,164,500
DMA 03	DMA	139	Ft. Harrison Building 1001 Draw Yard				811,980		811,980
DMA 04	DMA	140	Ft. Harrison Rail Head Yard				811,980		811,980
DMA 05	DMA	141	Limestone Hills Training Area Barracks #1				2,164,500		2,164,500
DMA 06	DMA	142	Federal Spending Authority				3,000,000		3,000,000
MONTANA UNIVERSITY SYSTEM									
MUS 01	MUS	143	UM Forestry Conservation & Science Lab		25,000,000			20,000,000	45,000,000
MUS 02	MUS	145	MAES Research and Wool Laboratories		11,000,000			1,300,000	12,300,000
MUS 03	MUS	147	AUTHORITY ONLY Music Building Renovations					6,000,000	6,000,000

				FUNDING SOURCE					
Priority	Agency	Page	Project Description	LRBP Cash	LRBP Bonds	State Special	Federal Special	Authority Only	Total
MUS 04	MUS	148	AUTHORITY ONLY Rankin Hall Building Renovations					6,000,000	6,000,000
MUS 05	MUS	149	AUTHORITY ONLY UM Mansfield Library Renovation					6,000,000	6,000,000
MUS 06	MUS	150	AUTHORITY ONLY MSU Instructional Space Upgrades					2,000,000	2,000,000
MUS 07	MUS	151	AUTHORITY ONLY MSU Renne Library Renovations					5,000,000	5,000,000
MUS 08	MUS	152	AUTHORITY ONLY UM Montana Museum for Art and Culture					2,000,000	2,000,000
MUS 09	MUS	153	General Spending Authority					20,000,000	20,000,000
DEPARTMENT OF TRANSPORTATION									
MDT 01	MDT	154	Terry Equipment Storage Bldg			400,000			400,000
MDT 02	MDT	155	White Sulphur Springs Equipment Storage Bldg			1,250,000			1,250,000
MDT 03	MDT	156	Philipsburg Equipment Storage Bldg			825,000			825,000
MDT 04	MDT	157	Custer Equipment Storage Bldg			825,000			825,000
MDT 05	MDT	158	Havre Welding Shop			400,000			400,000
MDT 06	MDT	159	Billings Welding Shop/ Tow Plow Storage			650,000			650,000
MDT 07	MDT	160	Harlem Equipment Storage Bldg			915,000			915,000
MDT 08	MDT	161	Lincoln Airport Snow Removal Equipment Storage Building				450,000		450,000
MDT 09	MDT	162	Yellowstone Airport Terminal				10,000,000		10,000,000

# DETAILED PROJECT INFORMATION

## MAJOR REPAIR PROJECTS

2022-2023



## PRIORITY MR-01

# LEARNING CENTER CIVIL INFRASTRUCTURE UPGRADES

## OFFICE OF PUBLIC INSTRUCTION \$300.000

The Montana Learning Center (MLC) leases this property from the Office of Public Instruction (OPI) who in turns leases this property from the Bureau of Reclamation. (BOR). The Bureau has been the Owner of this property since the construction of Canyon Ferry Dam in the late 1940's. This facility was built by the Army Corp of Engineers and used as sleeping barracks for the laborers and workers on the dam.

Since the 1980's MLC has been operating this facility from April until early October for summer camps. As good stewards, OPI has taking care of periodic maintenance and upgrades when time and money allows. During any given week, up to eighty children are accommodated at the camp. Once school starts, the camp winds down and from October until spring, the camp is completely shut down. MLC is an ideal user for this facility due to the seasonal nature of its use. The structures, infra-structure and campus are in generally satisfactory conditions with two critical exceptions: The sanitary sewer (SS) system was found to be leaking untreated sewage into the surrounding subsoils of the water wells. A full-scale restoration of the sewer collection system is required to ensure safety of the wells that constitute the public water system.

- Removal of existing clay-tile SS mains
- Installation of new PVC SS mains
- Restoration & sealing of existing manholes
- Cleaning of existing SS services as possible
- Bypass pumping as needed

The MLC public water system consists of two groundwater wells, two pump houses, and a central distribution system. Both well houses are small and do not have room for permanent



treatment systems. The last MDEQ sanitary survey contained several code-required recommendations to each well house. To bring the water system into MDEQ compliance, one central pump house, heated, ventilated, and secure from the elements or intruders is proposed.

FUNDING	
LRBP Cash	\$300,000
<b>TOTAL</b>	<b>\$300,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$270,000
Consultant Services	\$30,000
<b>TOTAL</b>	<b>\$300,000</b>

## PRIORITY MR-02

### HEATING SYSTEM UPGRADES - PHASE 1

#### MONTANA TECH

**\$2,480,000**

This project will replace a portion of Montana Technological University's failed steam distribution system.

This project upgrades existing tunnels where needed for safety and maintenance and replaces failed direct buried piping with new tunnel sections. Steam tunnels run under older buildings on the Montana Tech campus. Some of these tunnels are still open for walking from one building to another. Little or no repair work has been done on the tunnels and need to be repaired or closed off from the public. The ceilings are lower than normal with steam lines and other utility pipes running below the ceiling. Adding tunnels to the remainder of the campus will protect infrastructure that is direct burial. This will allow better maintenance and inspection procedures to be used.



The steam distribution system is a combination of tunnels and direct buried lines. The system is 80-100 years old and is near the end of its useful life and in need of repair to allow for current usage. The direct buried piping is leaking and is inadequately insulated. Sections of the tunnel used for public access between building need to be repaired for safe passage.



FUNDING	
LRBP Cash	\$2,480,000
<b>TOTAL</b>	<b>\$2,480,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,335,000
Consultant Services	\$145,000
<b>TOTAL</b>	<b>\$2,480,000</b>



PRIORITY MR-03

FLATHEAD LAKE BIOLOGICAL STATION  
SEWER TREATMENT PLANT

UNIVERSITY OF MONTANA  
\$1,750,000

This project will replace the existing sewer treatment facility at the Flathead Lake Biological Station.

The sewer treatment facility is critical to the operation of the biological station and also serves the rest rooms at the neighboring state park. The system is far beyond its life expectancy and has deteriorated to the point that the redundancy originally designed into the plant is no longer available, making system failure highly likely. If the plant fails, the station will have to rely on pumping the collection tank daily.

Maintaining campus buildings and utility systems in perpetuity requires periodic replacement of major systems prior to complete failure.



FUNDING	
LRBP Cash	\$1,750,000
<b>TOTAL</b>	<b>\$1,750,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,575,000
Consultant Services	\$175,000
<b>TOTAL</b>	<b>\$1,750,000</b>

## PRIORITY MR-04

# REID HALL FIRE SYSTEM UPGRADES

## MONTANA STATE UNIVERSITY

**\$1,700,000**

Reid Hall is the most heavily occupied academic teaching facility on Montana State University's campus. This project proposes the construction of a fire suppression and alarm system to improve the life safety and code compliance of Reid Hall, protect property from damage and/or loss, and most importantly, protect building occupants from harm.

Fire suppression and alarm systems increase the protection of the building occupants from harm and property damage and loss. This project brings the state building, heavily utilized for academic operations, into compliance with current building codes.

Reid Hall, constructed in 1959, is a 93,262 square-foot academic facility that is heavily occupied by students, faculty and staff. It is one of Montana State University's largest classroom facilities, housing over 1,600 instructional seats at any given hour. The building also provides space for the College of Education, Health & Human Development (EHHD), computer labs, and several other academic spaces.



From a fire code violation and life safety perspective, Reid Hall's fire code violations pose a significant threat to life and property loss in the event of a fire.

Montana State University already allocated \$300,000 (2019) towards the consultant services to design a fire suppression and alarm system installation in Reid Hall. This \$300,000 is not included in the total LRBP funding request.



FUNDING	
LRBP Cash	\$1,700,000
<b>TOTAL</b>	<b>\$1,700,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,530,000
Consultant Services	\$170,000
<b>TOTAL</b>	<b>\$1,700,000</b>



PRIORITY MR-05

UREY LECTURE HALL ROOF REPLACEMENT

UNIVERSITY OF MONTANA  
\$350,000

The existing Urey Lecture Hall roof membrane is original from 1981 and is leaking. As it protects an entire 400 seat underground lecture hall, its critical to have a 100% reliable roof membrane.

This project will replace the existing 1981 EPDM roof membrane that is below the brick pavers and rigid insulation boards. A new single-ply membrane is required. The existing roof membrane has exceeded its life expectancy by at least 20 years. Costly damage to structure and contents could result if any of the proposed work is deferred again.



The roof has been well maintained over the years but has deteriorated to a point where it can no longer be effectively repaired. We are at risk of a major failure that could damage the building contents.

Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs later.

FUNDING	
LRBP Cash	\$350,000
<b>TOTAL</b>	<b>\$350,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$330,500
Consultant Services	\$19,500
<b>TOTAL</b>	<b>\$350,000</b>

## PRIORITY MR-06

# BITTERROOT BUILDING FIRE SPRINKLER UPGRADE

## SCHOOL FOR THE DEAF & BLIND \$150,000

The Bitterroot Building is the main education and classroom building on the Montana School for the Deaf and Blind (MSDB) campus. Deaf, hearing impaired, low vision, blind students and MSDB staff occupy this building daily. For the safety of the students and due to the nature of their disabilities, it is imperative that the fire sprinkler system in their building be dependable and operate properly to give students and staff suitable notification and adequate time to safely evacuate the building in the event of an emergency.

The existing fire sprinkler system is nearly 50 years old and is original to the building, which



was built in 1972. Components for the system are obsolete and difficult to obtain for repairs and upgrades. The system requires constant management and maintenance to ensure it will operate appropriately in the event of a fire emergency.



The existing fire sprinkler system is obsolete and when tested, occasionally does not operate accurate and is not reliable. In the event of a fire, a dependable fire suppression system is essential to allow students and staff sight and sound notifications to egress safely from the building.

Concerns regarding the unpredictability of the current fire suppression system were brought to the staff's attention by the Great Falls Fire Department. The Department recommended replacement of the fire sprinkler system in the Bitterroot Building.

FUNDING	
LRBP Cash	\$150,000
<b>TOTAL</b>	<b>\$150,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$135,000
Consultant Services	\$15,000
<b>TOTAL</b>	<b>\$150,000</b>



PRIORITY MR-07

UNIT F BOILER SYSTEM / CONTROLS

MONTANA STATE PRISON  
\$230,000

MSP Unit F was built in 1995 and originally called the Treasure State Correctional Training Center also known as the Boot Camp. The existing hot water boilers provide heating water to the building and indirectly heat domestic hot water for the bathrooms and kitchen. The existing boilers are 35 years old, leaking water, difficult to keep operational and need to be replaced. New, high efficiency boilers will be installed along with new ancillary equipment such as heating pumps and flue pipe. New domestic hot water heaters will also be installed.



The new heating system will increase reliability, reduce energy use and meet current code requirements.

FUNDING	
LRBP Cash	\$230,000
TOTAL	\$230,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$207,000
Consultant Services	\$23,000
TOTAL	\$130,000

PRIORITY MR-08

MANSFIELD LIBRARY ROOF REPLACEMENT

UNIVERSITY OF MONTANA  
\$1,200,000

This project will replace the ballasted EPDM roofing membrane that was installed in 1990.

The Mansfield Library roof is approximately one acre in size. The existing roof membrane has exceeded its life expectancy by at least 15 years. Costly damage to structure and contents could result if any of the proposed work is deferred again.

The roof is at risk of a major failure that could damage the library holdings. A new roof membrane could be ballasted with the new solar panels that are part of an energy conservation project. The cost of the solar panel project is not part of this request.



The roof has been well maintained over the years but has deteriorated to a point where it can no longer be effectively repaired. Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs later.



FUNDING	
LRBP Cash	\$1,200,000
<b>TOTAL</b>	<b>\$1,200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,150,000
Consultant Services	\$50,000
<b>TOTAL</b>	<b>\$1,200,000</b>



## PRIORITY MR-09

# HAYNES HALL LAB VENTILATION UPGRADES

**MONTANA STATE UNIVERSITY**  
**\$1,600,000**

This project will upgrade mechanical ventilation system in Haynes Hall for occupant safety and code compliance. This project specifically addresses needed HVAC upgrades in the painting, ceramic, welding, and sculpture areas.

The original ventilation system is less than adequate to contain or arrest contaminants and to provide acceptable long-term indoor air quality for the current instructional activities. Without improvements to the existing system instructional activities may be limited due to inadequate teaching spaces. Improvements to the mechanical ventilation system increase occupant safety and provide code compliant spaces and systems.

Haynes Hall, constructed in 1974, is one of three buildings that forms the Creative Arts Complex (combined 135,000 square feet) and currently houses the School of Art. With few exceptions, all the existing major mechanical equipment is original and has been in service for approximately 40 years. The original ventilation system is less than ideal in its ability to contain or arrest



all contaminants and to provide acceptable long-term indoor air quality for the current instructional activities. This project upgrades the mechanical systems to provide code required minimum ventilation and recommended local exhaust ventilation for specialized space uses including ceramics, welding, printmaking, and metalsmithing. The current cost for this work, including design and construction, is based on a schematic design performed by GDP, PC in 2014.



FUNDING	
LRBP Cash	\$1,600,000
<b>TOTAL</b>	<b>\$1,600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,360,000
Consultant Services	\$240,000
<b>TOTAL</b>	<b>\$1,600,000</b>

PRIORITY MR-10

FIRE ALARM UPGRADES

MONTANA TECH  
\$200,000

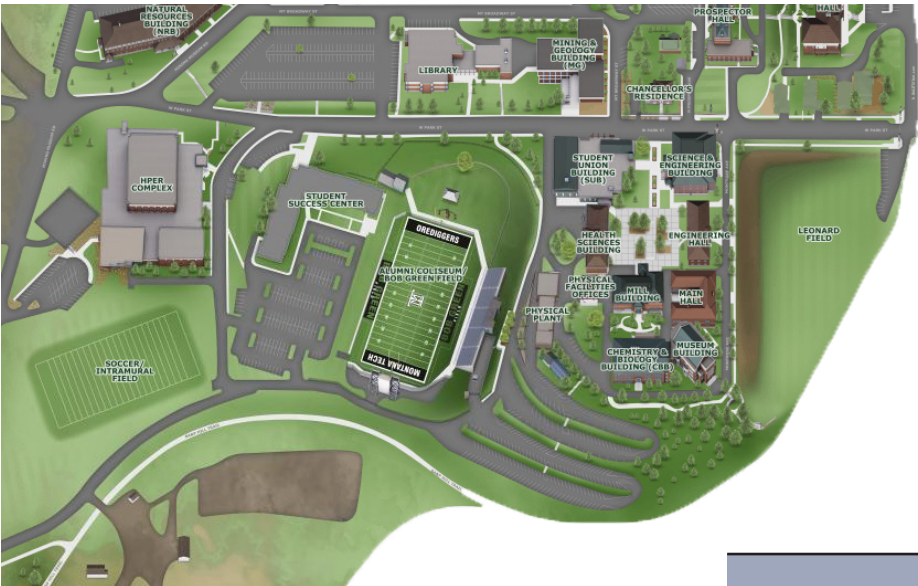
This request would provide funding to replace fire alarm systems that are, in some cases, decades past their planned life, and provide critical fire access. Replacement is necessary to provide adequate protection to occupants and assets. Fire alarm panels and alarm notification are not code compliant.

These projects are necessary to meet requirements of the International Building Code, Institutional Fire Code, and Life Safety Code.

Several buildings on the Montana Technological University campus have old or obsolete fire alarm systems. These are dangerously unreliable and spare parts are not available. For reasons of public life-safety and modern code requirements, these fire alarm devices and associated fire alarm panels must be replaced.

Buildings still in need of upgrades include:

- Chemistry/Biology
- Health Sciences
- Mining & Geology
- Natural Resource Building
- Mill Building



FUNDING	
LRBP Cash	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$188,500
Consultant Services	\$11,500
<b>TOTAL</b>	<b>\$200,000</b>

## PRIORITY MR-11

# SPRINKLER SYSTEMS - MUSTANG CENTER & DINING

## SCHOOL FOR THE DEAF & BLIND \$150,000

The Mustang Center and Dining Room on the Montana School for the Deaf and Blind (MSDB) campus, when originally constructed (1973 and 1982 respectively), did not include fire suppression systems. The Mustang Center is a 25,250 square foot athletic building that houses the gymnasium, pool, and locker rooms to provide physical activity opportunities for students attending school at MSDB. Meals for students, faculty and staff are prepared in MSDB's kitchen and served in the Dining Room daily. Both spaces on the campus are continuously occupied by students, faculty, and staff.

Deaf, hearing impaired, low vision, blind and physically disabled students live and attend classes at MSDB. The high use and occupancy by students with one or more of the impairments or special needs mentioned, warrants installation of fire suppression systems for the Mustang



Center and Dining Room. In the event of a fire, the suppression system will provide faculty and staff with immediate notification, and activation of the suppression system will afford them increased time to escort students to safety.

Providing a safe environment for students 24 hours a day is a priority of MSDB. Installation of a fire suppression system in the Mustang Center and Dining Room increases the protection of the building occupants from harm and the Montana School for the Deaf and Blind from property damage and loss. It will also bring the buildings into compliance with current building and fire codes.



FUNDING	
LRBP Cash	\$150,000
<b>TOTAL</b>	<b>\$150,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$135,000
Consultant Services	\$15,000
<b>TOTAL</b>	<b>\$150,000</b>



## PRIORITY MR-12

# MONTANA HALL FIRE SYSTEM UPGRADES

## MONTANA STATE UNIVERSITY \$455,000

This project will construct a fire suppression system in Montana Hall to improve the life safety code compliance and avoid loss of life and property during the event of a fire.

Fire suppression and alarm systems increase the protection of building occupants from harm and property damage and/or loss. This project brings the state building, heavily utilized for administrative operations, into compliance with modern building codes.

Montana Hall, constructed in 1896, is located at the heart of campus. The wood-framed building now acts as the central hub for Montana State University's administration and finance offices. Due to the historic nature of this iconic landmark, Montana Hall requires many improvements to bring the building up to modern-day code.

A comprehensive study was performed on Montana Hall in 2001 and demonstrated that the building needs significant repairs and upgrades including deferred maintenance, adaptive renovation, life safety corrections, structural repairs, building code and ADA renovation. In response to this study, Montana State University



made recent improvements including the construction of an elevator to improve ADA accessibility, space modernization, and the construction of a standpipe to support the first phase of life safety improvements.

The installation of the Montana Hall fire suppression system will bring the building up to modern day life safety code compliance. Most importantly, this project will improve the life safety environment for all building occupants and mitigate the risk of significant life or property loss.



FUNDING	
LRBP Cash	\$455,000
<b>TOTAL</b>	<b>\$455,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$414,000
Consultant Services	\$41,000
<b>TOTAL</b>	<b>\$455,000</b>



PRIORITY MR-13

ART ANNEX SAFETY & SYSTEM UPGRADES

MONTANA STATE UNIVERSITY - BILLINGS  
\$1,200,000

This project proposes the replacement of life-safety systems in the Art Annex Building. The existing facility provides support to academic programs. Life safety work will extend the operational life of the facility.

The Art Annex Building, constructed in 1980, supports art programs including ceramics and steel/foundry materials work. The facility, located near the south-east entrance to campus, has reached the end of its useful life. Life safety system upgrades including fire emergency exit lighting and alarm systems, and fire suppression systems are required to improve the safety of the facility.



The proposed Applied Science and Arts Building project (\$8,900,000), would replace the Art Annex Building but the project remains unfunded. The Art Annex Safety & System Upgrades project will address the building system upgrades required to extend the current use of the building.



FUNDING	
LRBP Cash	\$1,200,000
<b>TOTAL</b>	<b>\$1,200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,080,000
Consultant Services	\$120,000
<b>TOTAL</b>	<b>\$1,200,000</b>

## PRIORITY MR-14

# DONALDSON BUILDING HVAC UPGRADES

## HELENA COLLEGE

**\$1,000,000**

This project will repair and replace HVAC and building control systems in Donaldson Building at Helena College.

This project would provide a modern energy efficient HVAC system to the last areas of the Donaldson Building that still utilizes the original 1960 era systems.

Removing the aging fluid-based heating and cooling system from the few remaining areas of the Donaldson Building and replacing it with a roof mounted HVAC system.

The current system involves routing either heated or cooled water through wall mounted fan boxes. The system does not allow for both heating and cooling options to occur without manually switching from the boiler to the chiller and then waiting for the water temperature to change which takes at least a day. The fan boxes create challenging classroom settings as they are noisy and make classroom instruction, presentations, and discussions difficult.



A roof mounted forced air HVAC system would allow for more precise control of room temperature and keep background noise to a minimum.

Continued repairing may temporarily delay further deterioration and damage but will require higher replacement costs later. The new HVAC and control package will reduce operating costs.



FUNDING	
LRBP Cash	\$1,000,000
<b>TOTAL</b>	<b>\$1,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$910,000
Consultant Services	\$90,000
<b>TOTAL</b>	<b>\$1,000,000</b>

## PRIORITY MR-15

# HEATING SYSTEM REPLACEMENT & REPAIR

## UNIVERSITY OF MONTANA - WESTERN

**\$2,495,000**

This project adds a second low-pressure boiler and eliminates the high-pressure biomass boiler. This proposed upgrade also includes the replacement of original steam and condensate lines that are both buried and housed in steam tunnels. This piping has sections that date back to the 1940s and are continually being patched and repaired.

With the installation of the new low-pressure boiler, UM Western has taken the first steps in reducing the number of man hours required to operate the heating plant. This process would include the addition of a second low pressure boiler and the elimination of the high-pressure biomass boiler. The existing low-pressure boiler, installed spring 2018, allows the plant staff to perform necessary preventative maintenance throughout the campus mechanical systems during the spring, summer, and fall.

The next step in reducing dependence on the high-pressure boiler system during winter months is to install a second low pressure boiler to pick up the remaining winter load and create some redundancy. This would allow UM Western to eliminate the biomass boiler and further reduce the man hours required to operate the heating plant and focus on mechanical systems throughout campus. Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs at a later date.

The new boiler package will reduce operating costs. The removal of the biomass boiler would also eliminate several expensive maintenance items that need to be addressed if continued operation of the biomass is necessary.



FUNDING	
LRBP Cash	\$2,495,000
<b>TOTAL</b>	<b>\$2,495,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,295,000
Consultant Services	\$200,000
<b>TOTAL</b>	<b>\$2,495,000</b>



PRIORITY MR-16

STONE HALL ROOF REPLACEMENT

UNIVERSITY OF MONTANA  
\$400,000

Replace existing sloped roofing and attic insulation of Stone Hall (formerly the Journalism Building). This building was built in 1936. This project will replace the worn-out roof, abate existing vermiculite insulation, and replace with new attic insulation.

The existing sloped roof shingles are beyond their life expectancy and wearing thin. The vermiculite attic insulation must be abated and replaced with new insulation. This project would replace the roof with new historic looking, long lasting shingles similar to Main Hall and Rankin Hall. The existing shingle roof has exceeded its life expectancy by at least 20 years. Costly damage to structure and contents could result if any of the proposed work is deferred again.



The roof has been well maintained over the years but has deteriorated to a point where it can no longer be effectively repaired. We are at risk of a major failure that could damage the building contents. Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs later. Finally, the new roofing system will incorporate current energy standards.

FUNDING	
LRBP Cash	\$400,000
<b>TOTAL</b>	<b>\$400,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$360,000
Consultant Services	\$40,000
<b>TOTAL</b>	<b>\$400,000</b>

PRIORITY MR-17

VANDE BOGART LIBRARY ROOF REPLACEMENT

MONTANA STATE UNIVERSITY - NORTHERN  
\$325,000

This project replaces the failing roof membrane and insulation components of the Vande Bogart Library’s built-up roof (BUR) system.

The Vande Bogart Library’s roof membrane has many blisters and has begun pulling away from the parapet wall. This project replaces the roof membrane and insulation components which are beyond their useful life spans.

The Vande Bogart Library, constructed in 1982, is a 33,593 square-foot facility that provides not only an incredible educational resource for MSU-Northern’s student body and surrounding community, but also houses a federal government depository, extensive collection of historic photographs, and the North Montana Plains Indian Museum collection.



Significant roof improvements are required to protect and guarantee the safety and integrity of these valuable stored archival materials for future generations. By replacing the aging roof membrane, the university would also be relieved of extensive deferred maintenance costs from an already strained plant maintenance budget.



FUNDING	
LRBP Cash	\$325,000
<b>TOTAL</b>	<b>\$325,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$293,000
Consultant Services	\$32,000
<b>TOTAL</b>	<b>\$325,000</b>

PRIORITY MR-18

GREAT FALLS AFRC ROOF REPLACEMENT

DEPARTMENT OF MILITARY AFFAIRS  
\$817,400

The Great Falls Armed Forces Reserve Center is a primary stationing and training facility for the Montana Army National Guard. The current roof is failing and must be replaced to avoid damage to the facility and to maintain safe conditions for the soldiers.

Damage includes cracked vents, broken shingles, and substantial areas of leakage through the roof and damaged interior finishes. The project will remove the deteriorated roof and replace it with a new single ply membrane.



FUNDING	
LRBP Cash	\$204,350
Federal Special	\$613,050
<b>TOTAL</b>	<b>\$817,400</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$737,000
Consultant Services	\$80,400
<b>TOTAL</b>	<b>\$817,400</b>



PRIORITY MR-19

REPLACE HIGH-SIDE FIXTURE CELL COMBO UNITS

MONTANA STATE PRISON  
\$1,013,480

This project requests funding to replace the combined toilet/sink fixtures located in each cell on the high security side of the Montana State Prison. Most of the existing combo units are original to buildings in which they were installed. These units have lasted beyond their anticipated operational life cycle and need replacement.



MSP’s maintenance staff has managed to maintain and repair the existing units and keep them operational, but the combination units have become less reliable, require constant repair and are costly to maintain. Non-operational combo units must be repaired immediately. MSP attempts to stock replacement components for repairs but due to age and the varying models installed at MSP, replacement parts are difficult to obtain. Replacement of these fixtures with new combo units will alleviate these issues and result in cost savings to MSP.

Combination fixtures specifically designed for use in detention facilities are built to endure abuse and vandalism. They are constructed of heavy-duty stainless steel with seamless welds. Drains, supply piping and operational mechanisms are also constructed of stainless steel or brass. This increases durability but also prevents fixtures from being pried open and permanently damaged. There are no rigid hooks, bars, sharp or rough edges or projections that could be hazardous to inmates or security personnel. Units are anchored behind cell walls in a plumbing chase. Valves and flow controls are accessed through the chase for maintenance, repairs, and servicing without entering the cell. Unlike the existing units, these combo units use low-flow technology and require less water for operation. The fixtures are tamper resistant and have flood disabling capability. In accessible cell installations, combo units comply with requirements of the ADA, and are fabricated with integral grab bars in various configurations.

The existing combo units are no longer reliable, costly to operate and challenging to maintain. Replacing them with new combo units will result in reliable operation, reduced water and utility consumption and maintenance and operational cost savings for MSP

FUNDING	
LRBP Cash	\$1,013,480
<b>TOTAL</b>	<b>\$1,013,480</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$913,480
Consultant Services	\$100,000
<b>TOTAL</b>	<b>\$1,013,480</b>

PRIORITY MR-20

KALISPELL AFRC ROOF REPLACEMENT

DEPARTMENT OF MILITARY AFFAIRS  
\$999,600

Replacement of Kalispell AFRC roof is necessary to avoid consequential damage to the facility interior and higher repair costs and to maintain safe conditions for the soldiers. The roof is failing resulting in cracked vents, broken shingles, substantial leaking and damage to the interior of the building. The project will remove the deteriorated roof and replace with a new single ply membrane.

The Readiness Center is a primary stationing and training facility for the Montana Army National Guard. The roof must be replaced because it is beyond economical repair. Replacement of the roof at the AFRC is necessary to avoid consequential damage to the facility interior and higher repair costs and to maintain safe conditions for the soldiers.



FUNDING	
LRBP Cash	\$357,496
Federal Special Revenue	\$642,104
<b>TOTAL</b>	<b>\$999,600</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$899,650
Consultant Services	\$99,950
<b>TOTAL</b>	<b>\$999,600</b>

## PRIORITY MR-21

### LEWISTOWN RC ROOF REPLACEMENT

#### DEPARTMENT OF MILITARY AFFAIRS

**\$183,000**

The Readiness Center is a primary stationing and training facility for the Montana Army National Guard.

Replacement of the roof at the Readiness Center is necessary to prevent further damage to the facility due to the failing roof. Damage includes creaked vents, broken shingles, and substantial areas of leakage through the roof and damaged interior finishes.

Repairs to the existing roof are no longer economically feasible. The roof needs replacement to prevent further leakage and damage to the interior of the building and to maintain a safe environment for soldiers.



FUNDING	
LRBP Cash	\$91,500
Federal Special	\$91,500
<b>TOTAL</b>	<b>\$183,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$165,000
Consultant Services	\$18,000
<b>TOTAL</b>	<b>\$183,000</b>



PRIORITY MR-22

FOUNDATION REPAIR

MONTANA STATE HOSPITAL  
\$200,000

This project will repair a portion of the foundation of the Montana State Hospital in Warm Springs. Roof drain leaders with insufficient length have allowed water to pool at a corner of the foundation, causing the foundation to shift.

A portion of the foundation will be replaced, and additional investigation of the foundation will be performed to determine if other areas of the foundation have been affected.



FUNDING	
LRBP Cash	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$180,000
Consultant Services	\$20,000
<b>TOTAL</b>	<b>\$200,000</b>



PRIORITY MR-23

LEWIS HALL ROOF REPLACEMENT

MONTANA STATE UNIVERSITY  
\$1,600,000

Lewis Hall has a clay tile roof that is original to the building. This project addresses the replacement and repairs of roof system components that are beyond their expected useful life. Replacing missing or broken clay tiles, proper fastening of the preserved and new tiles, replacement of the underlayment and insulation, and upgrades to the snow/ice fall protection and roof structure.



Lewis Hall, constructed in 1923, is one of the many of the historic buildings on the Montana State University campus. The building supports many instructional labs and academic activities related to ecology, microbiology, and biology. Since the original date of construction, Lewis Hall has never had a roof replacement. Repairs have been made over the years to prolong the roof, which is well past its useful life. Both the roof covering (clay tiles) and insulation need replacement, as well as repairs to the structure and other roof system components.



FUNDING	
LRBP Cash	\$1,600,000
<b>TOTAL</b>	<b>\$1,600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,440,000
Consultant Services	\$160,000
<b>TOTAL</b>	<b>\$1,600,000</b>

PRIORITY MR-24

MAIN BUILDING ROOF REPLACEMENT

MONTANA STATE HOSPITAL  
\$600,000

The existing roof of the main building at Montana State Hospital is over 20 years old and requires continual maintenance and repair to prevent moisture from penetrating into the building. This request proposes to reroof the main building in phases, beginning with the most critical areas initially.

The area determined to have the greatest deterioration and moisture penetration on the main building are the shingles on the south side of the roof nearest the skylights running down the center of the hospital. During heavy snow fall or rain, improperly installed screws on the upper portion of the roof cause water leaks through to the membrane resulting in leaks and damage to the ceilings in the offices. A similar condition required replacement of the single-ply roof membrane nearest the laundry room. Additional sections of low-slope single-ply roof membrane in other areas of the hospital are deteriorated and exhibit numerous punctures that require replacement.



The existing asphalt shingles throughout the main body of the Main Hospital roof are approaching the end of their useful life expectancy and have deteriorated due to age. During high winds, more and more shingles are blowing off, exposing the roof substrate, and allowing moisture to permeating the roof and cause damage within the hospital. The condition of the existing roof requires constant maintenance and upkeep to prevent leaks and moisture penetration. The partial re-roof proposed by this request will address areas that have been deemed most critical and have the highest potential for failure, preventing subsequent interior damage and prolonging the useful life of the roof.



FUNDING	
LRBP Cash	\$600,000
<b>TOTAL</b>	<b>\$600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$540,000
Consultant Services	\$60,000
<b>TOTAL</b>	<b>\$600,000</b>

PRIORITY MR-25

AUTO TECH BUILDING SYSTEM IMPROVEMENTS

MONTANA STATE UNIVERSITY - NORTHERN  
\$535,000

The project improves building efficiency and provides healthier and safer instructional spaces by upgrading the failing roof systems and components, and obsolete exhaust and combustion system.

This project replaces the failing roof deck fasteners, causing the decking to buckle in three locations. In addition, this project upgrades the original and obsolete exhaust and combustion system which is currently inadequate for the current instructional activities occupying the space today.

The Automotive Technology Building (formally Farm Mechanics), constructed in 1984, is a 11,968 square foot facility built to provide a large open space that allowed students to work on large diesel engines, related heavy industrial machinery, and farm equipment in both the agricultural and diesel mechanics programs. Several annual public seminars and workshops for local Montana farm producers and businesses have been taken place in this building. The building now supports MSU Northern’s nationally recognized Automotive Program.



The Automotive Technology Building has had very few major repairs or upgrades since it was originally constructed. The facility now requires significant repairs due to the flaws in the original design and age of existing systems. Some roof deck fasteners have failed, causing the decking to buckle in three locations. Furthermore, the original engine exhaust and combustion air systems are inadequate for the instructional activities that support the current instructional activities



FUNDING	
LRBP Cash	\$535,000
TOTAL	\$535,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$481,000
Consultant Services	\$54,000
TOTAL	\$535,000



PRIORITY MR-26

FINALIZE DEPARTMENTAL MASTER PLAN

DEPARTMENT OF CORRECTIONS

\$575,000

The completed master plan will provide a full evaluation of the existing physical and operational conditions of existing DOC facilities and generate strategic plans for growth and improvements statewide. This work will include defining recommended project scopes, and detailed cost estimates that would include deferred maintenance, cost value assessments, and long-range master planning of buildings at all MDOC utilized facilities.

Phase 1 provided detailed assessments of the projections and demographics of the system with more detailed review of the two largest facilities, Montana State Prison (MSP) and Montana Women’s Prison (MWP). This phase included demographics and future projections for the Department of Corrections through 2039, as the twenty-year planning horizon, as well as factors generating in-custody population. The existing MSP and MWP were assessed for current physical and security conditions by visual observation and review by the project team and cataloged in a Level 300 form provided by MDOC. Operational assessments by functional component were performed at MSP and MWP. Multiple options for strategic planning were generated in collaboration with the MDOC executive team and key stakeholders.

The final Phase 1 report recommended the options and initial cost estimates for the best use and future renovation or modification to MSP, MWP, Riverside Special Needs Unit, and Pine Hills Correctional Facility. Based on the preferred strategic option incorporating revised means

to accommodate technical Parole Violators, no additional system capacity, other than new acute mental health housing was recommended.

Phase 2 will provide assessment of all MDOC related facilities in the system, including physical and operational assessments of contracted facilities. Assessment of the system will ensure that the needs and resources provided by MDOC are comprehensive and may identify different priorities throughout the state. A specific effort will examine reuse and/or new construction at Riverside to provide acute mental health housing. Full cost analysis of physical conditions will be used over the next twenty years by the Department to develop the strategic plan. Phase 2 will also provide preliminary analysis of overall operational costs by phase of the long-range Master Plan.

Identification of the full implication of the statewide system beyond the framework of MSP and MWP is necessary to outline opportunities statewide for facilities to reduce bed capacities and improved support for mental health. Phase 2 will complete assessment of facilities and generate options and costs to document a phased 20-year Master Plan.

FUNDING	
LRBP Cash	\$575,000
<b>TOTAL</b>	<b>\$575,000</b>

ESTIMATED PROJECT COSTS	
Consultant Services	\$575,000
<b>TOTAL</b>	<b>\$575,000</b>



PRIORITY MR-27

CAMPUS-WIDE ACCESS CONTROL SYSTEM

SCHOOL FOR THE DEAF & BLIND  
\$120,000

This project will eliminate the need for keyed locks and implement a campus-wide access control system.

An access control system will increase the safety and security at the Montana School for Deaf and Blind (MSDB) campus. Staff and faculty will use swipe cards rather than keys to gain access to buildings. Entry points to all buildings on the campus are monitored 24 hours a day. Swipe card access is tracked and controlled, preventing unauthorized entry into buildings. Doors will automatically lock and remain locked, eliminating the chance a door inadvertently left unlocked. Access to certain buildings or portions of buildings (mechanical rooms, electrical rooms, storage areas, etc.) of the campus can be restricted to specific staff or personnel only. Swipe cards lost or compromised in any way, can be deactivate immediately, if necessary.

Installation of an access control system with swipe card technology will increase security of MSDB and improve the safety of the students, faculty and staff.



FUNDING	
LRBP Cash	\$120,000
<b>TOTAL</b>	<b>\$120,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$108,000
Consultant Services	\$12,000
<b>TOTAL</b>	<b>\$120,000</b>

PRIORITY MR-28

CLAPP BUILDING ELEVATOR MODERNIZATION

UNIVERSITY OF MONTANA  
\$300,000

This project will upgrade and modernize the main elevator in the Clapp Building.

The existing elevator is original to the building and is currently out of compliance with the state elevator code. Parts for repair are hard to find. This elevator needs a total upgrade to meet current codes.

This elevator has been well maintained over the years, but it has deteriorated to a point where it can no longer be effectively repaired. We are at risk of a major failure that could render the upper floors and the basement inaccessible.

Continued repairing may temporarily delay further deterioration and damage but will require higher replacement costs later. The elevator is no longer reliable and is not currently certified by the state inspector.



FUNDING	
LRBP Cash	\$300,000
<b>TOTAL</b>	<b>\$300,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$280,000
Consultant Services	\$20,000
<b>TOTAL</b>	<b>\$300,000</b>



PRIORITY MR-29

BITTERROOT BUILDING LIFT REPLACEMENT

SCHOOL FOR THE DEAF & BLIND  
\$80,000

The Bitterroot Building is the main academic facility on the campus of the Montana School for the Deaf and Blind (MSDB). Classrooms are connected on the main floor level with a corridor open on one side with a railing that overlooks the open concept Learning Material Center (LMC). The LMC is a core shared space located 2 feet below the main floor level. The open corridor surrounding the LMC allows faculty and staff to observe students working in the LMC. Accessible ramps and stairs provide access from the main classroom floor level to the LMC floor level. Depending on a student’s physical abilities, a wheelchair lift is available for student use on a case by case basis.

The existing wheelchair lift has reached the end of its’ anticipated operational life cycle. It is not dependable and requires continual maintenance and repair to operate. Its’ operation is no longer smooth, causing anxiety and apprehension in students attempting to using the lift independently. The lift is noisy, sometimes frightening students and disrupting LMC activities and classes. It is commonplace for the lift to stop or get stuck between floors. Maintenance staff are called to respond and assist in repairing or restarting the lift or helping rescue a panicked student, causing embarrassment and unease for them.

Due to the unpredictable nature of the existing lift, students are apprehensive to its use and rely on assistance from faculty or staff to navigate from level to level for instruction, forfeiting an opportunity to be independence and self-sufficient. This contradicts MSDB’s vision for their students: “Our students will become



independent and self-sufficient; engaging in a meaningful personal, family and community life; and enjoying a useful, productive occupational life to their highest potential.” Replacement of the existing wheelchair lift with a dependable new lift that operates quietly and smoothly and with ease of operation, will again encourage student independence and inspire self-sufficiency.

FUNDING	
LRBP Cash	\$80,000
<b>TOTAL</b>	<b>\$80,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$72,000
Consultant Services	\$8,000
<b>TOTAL</b>	<b>\$80,000</b>

## PRIORITY MR-30

### ROOF REPLACEMENT

#### MONTANA MENTAL HEALTH NURSING CARE CENTER \$550,000

Portions of the existing asphalt shingle roof on the Montana Mental Health Nursing Care Center (MMHNCC) have deteriorated, are in poor condition and prone to allowing moisture to penetrate the facility.

The existing asphalt shingles of the roof are approaching the end of their useful life. Maintenance and repairs made over time have extended the life of damaged and deteriorated



roof areas and preventing additional leaks from infiltrating the roof system. High accumulations of snow fall or rain result in unforeseen water leaks which produce unsightly damage and staining to interior finishes, requiring repairs and occasionally replacement.



A more permanent solution is essential to ensure the roof system is weather-tight, new leaks and future moisture damage to building components and finishes is eliminated and disruption to residents and staff is prevented

FUNDING	
LRBP Cash	\$550,000
<b>TOTAL</b>	<b>\$550,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$495,000
Consultant Services	\$55,000
<b>TOTAL</b>	<b>\$550,000</b>



## PRIORITY MR-31

# BILLINGS AFRC BACKUP GENERATOR

## DEPARTMENT OF MILITARY AFFAIRS

**\$854,000**

Install a generator at Billings Armed Forces Reserve Center.

This project is necessary because the Billings Armed Forces Reserve Center is the designated Command and Control Center for any response to civil emergencies in the eastern half of the State. If we have an event that interrupts that power, the ability to oversee any type of relief operation in eastern Montana is greatly compromised.

If we have an event that interrupts that power, the ability to oversee any type of relief operation in eastern Montana is greatly compromised.

Project would be designed to connect to existing facility power grid in order to provide back-up power in the event of an outage. Project would include the generator, supporting infrastructure and modifications to the electrical system. This project is necessary because the Billings Armed Forces Reserve Center is the designated Command and Control Center for any response to civil emergencies in the eastern half of the State. If there is an event that interrupts that power, the ability to oversee any type of relief operation in eastern Montana is greatly compromised.



FUNDING	
LRBP Cash	\$213,000
Federal Special Revenue	\$640,500
<b>TOTAL</b>	<b>\$854,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$770,000
Consultant Services	\$84,000
<b>TOTAL</b>	<b>\$854,000</b>

PRIORITY MR-32

LIBBY RC LOADING RAMP EXPANSION

DEPARTMENT OF MILITARY AFFAIRS  
\$152,500

A loading ramp is needed to accommodate two tier military vehicles and to remedy a safety hazard.

The Libby Readiness Center needs a two-tier military vehicle loading ramp and the service apron as allowed in the NG Pam 415-2 to allow for the loading and unloading of vehicles from trailers that do not have loading ramps as an integral part of the trailer. There is a safety issue when needing to unload equipment.

There is only one high loading dock that works for Military vehicles. When a truck comes that needs a lower dock, there is a safety issue when unloading the truck.



FUNDING	
LRBP Cash	\$38,125
Federal Special Revenue	\$114,375
<b>TOTAL</b>	<b>\$152,500</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$137,500
Consultant Services	\$15,000
<b>TOTAL</b>	<b>\$152,500</b>

## PRIORITY MR-33

# COTTAGE BUILDINGS ROOF REPLACEMENT

**SCHOOL FOR THE DEAF & BLIND**  
**\$530,000**



The existing asphalt shingle roofs on the cottages (student residences) at Montana School for the Deaf and Blind are nearing the end of their useful life, are deteriorated, wearing thin and becoming brittle. The overall condition of the roofs is poor. Following wind and weather events, shingles blow off the roofs and broken shingles are found on the grounds around the buildings. Flashings around skylights are failing. Continual maintenance and repair are required to prevent moisture from penetrating into the buildings in areas where shingles are missing, exposing the roof substrate to the elements and flashings are failing. Continued patching and repairing may temporarily delay further deterioration and damage to the roof systems and interior finishes, but roof replacement cost will be higher later if the proposed work is deferred. This request proposes to re-roof the cottage buildings.

The re-roof of the cottages was funded and authorized during the 65th Legislative session. A consultant was appointed, and the re-roof project designed. A hybrid “cold attic” roof system proposing to provide greater ventilation beneath the shingles was planned and put out for bids. Contractor bids were received for the project but exceeded the available funding and the bids were rejected.

The project was put on hold until additional funding could be requested from the 67th Legislature to complete the project. This funding request combined with the original funding from the 65th session will bring the total project cost to \$740,000.



FUNDING	
LRBP Cash	\$530,000
<b>TOTAL</b>	<b>\$530,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$477,000
Consultant Services	\$53,000
<b>TOTAL</b>	<b>\$530,000</b>



## PRIORITY MR-34

### DOOR CONTROL SYSTEMS

#### PINE HILLS YOUTH CORRECTIONAL FACILITY \$350,000

The ongoing high cost of maintaining the existing 20 plus year old door control/security/ electronics system, difficulty obtaining replacement parts due to obsolescence and unreliability warrants transition to a touchscreen computer technology door control system. The current system is incompatible with newer technology. Replacement components are no longer manufactured and difficult to obtain. Operational longevity of the existing system at best, may only be 2-3 more years. Upgrading the door control system to the newer technology will provide a safer environment for staff and inmates.



Increased system reliability will reduce maintenance and repair costs, and system flexibility will increase staff efficiency. The innovative technology of the “touch screen” system will enable Pine Hills Youth Correctional Facility (PHYCF) to better monitor both officers’ and inmates’ safety and provide real-time inmate location. The new system will provide PHYCF operational flexibility. Multiple security posts could be consolidated, and inmate population



monitored by a single security post in a more efficient manner during night shifts. Operational flexibility would be enhanced by adjusting coverage and monitoring of different populations and units by security posts from different units. The new security and door control system technology will be more reliable, increase the safety and security of PHYCF staff and inmates and result in more efficient, cost effective operational solutions.

FUNDING	
LRBP Cash	\$350,000
<b>TOTAL</b>	<b>\$350,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$315,000
Consultant Services	\$35,000
<b>TOTAL</b>	<b>\$350,000</b>



PRIORITY MR-35

DOOR CONTROL SYSTEM

MONTANA WOMEN’S PRISON  
\$520,000

The proposed door control system for the Montana Women’s Prison (MWP) will provide an isolated network that will allow remote control of door locks and intercoms from a secure central location within the facility. The locking control system will be integrated with the video system as well as the duress system. Operation of the isolated access control system will originate from one central control station and a stand-alone station located at the front entry way. Facility security and access control will be increased with the isolated network system. In the event of an emergency, central control can release all the doors on the campus. Operators will automatically be notified when an alarm occurs. The entire system will be protected by an interpretable back-up power supply. Additional power supplies will secure the magnetic locks within the facility, providing operators with individual and customizable door control. With



a loss of power with the current door control system, the locks default to the open position, which can create potential security and safety concerns for inmates and staff. Upgrading the existing door control system at MSP to the integrated control and video system will increase the overall security of the facility and provide greater safety for inmate and staff.



FUNDING	
LRBP Cash	\$520,000
<b>TOTAL</b>	<b>\$520,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$468,000
Consultant Services	\$52,000
<b>TOTAL</b>	<b>\$520,000</b>

PRIORITY MR-36

ROOF REPLACEMENTS

UNIVERSITY OF MONTANA - WESTERN  
\$450,000

This project will replace the roofs on the following buildings:

- Business and Technology Building
- Engineers House
- Chancellor’s Residence.

The roofing projects listed have exceeded their useful life. The replacement systems will be chosen to provide maximum protection with minimum maintenance. Additionally, where historical structures are involved, preference has been given to maintaining the historical nature of the roofing system. Finally, all roofing systems will incorporate current energy standards.

These roofs have been well maintained over the years but have deteriorated to a point where they can no longer be effectively repaired. We are at risk of a major failure that could damage the building interiors.

Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs later. Finally, the new roofing stems will incorporate current energy standards.

New roofs will extend building life, protect assets, and improve working conditions in the facilities.



FUNDING	
LRBP Cash	\$450,000
<b>TOTAL</b>	<b>\$450,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$405,000
Consultant Services	\$45,000
<b>TOTAL</b>	<b>\$450,000</b>

## PRIORITY MR-37

### ROOF REPLACEMENTS

#### MONTANA TECH

**\$800,000**

This project will replace the roofs on the following buildings:

- Chancellor's Residence
- Science and Engineering
- Math and Computer Science
- Chemistry/Biology
- Highlands College.

The roofing projects listed have exceeded their useful life. The replacement systems will be chosen to provide maximum protection with minimum maintenance. Additionally, where historical structures are involved, preference has been given to maintaining the historical nature of the roofing system. Finally, all roofing systems will incorporate current energy standards.

These roofs have been well maintained over the years but have deteriorated to a point where they can no longer be effectively repaired. We are at risk of a major failure that could damage the building interiors.

Continued patching and repairing may temporarily delay further deterioration and damage but will require higher replacement costs later. Finally, the new roofing stems will incorporate current energy standards.

New roofs will extend building life, protect assets and improve working conditions in the facilities.



FUNDING	
LRBP Cash	\$800,000
<b>TOTAL</b>	<b>\$800,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$720,000
Consultant Services	\$80,000
<b>TOTAL</b>	<b>\$800,000</b>

**PRIORITY MR-38****XANTHOPOULOS BUILDING DOOR CONTROL SYSTEM****DEPARTMENT OF CORRECTIONS****\$350,000**

This project will eliminate the need for keyed locks and implement a building-wide door control system for the Xanthopoulos Building (X-Building).

Staff will be issued programmable swipe cards rather than keys to gain access to and within the building. Swipe card access is tracked and controlled, preventing unauthorized entry into or exit from the facility. Doors will automatically lock and remain locked, eliminating the potential for a door to be left unlocked. Entrances will be monitored 24 hours a day.

The system can be programmed restricting access to certain rooms or portions of the facility (mechanical rooms, electrical rooms, storage areas, etc.) to specified personnel only. For patient and staff safety, lost or compromised swipe cards can be deactivated immediately. The door control system is cost effective and can be reprogrammed and refreshed for the cost of a replacement card compared to the cost of re-keying an entire facility.

Upgrading the door control system to newer technology will provide a safer environment for patients and staff. The flexibility of the door access control system will reduce maintenance and repair costs and increase staff efficiency. The new door control system proposed for the X-Building will be more reliable, increase the safety and security of facility staff and patients and result in more efficient, cost effective operation.



FUNDING	
LRBP Cash	\$350,000
<b>TOTAL</b>	<b>\$350,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$315,000
Consultant Services	\$35,000
<b>TOTAL</b>	<b>\$350,000</b>



PRIORITY MR-39

BROCKMANN CENTER HVAC & ENERGY UPGRADES

MONTANA STATE UNIVERSITY - NORTHERN  
\$855,000

This project will upgrade the Brockmann Center’s mechanical equipment and envelope to retire deferred maintenance and improve energy efficiency.

The Brockmann Center’s exterior windows and doors, and HVAC system are deficient and require replacement and upgrades to improve energy efficiency and improve occupant comfort.

The 53,195 square foot Brockmann Center was constructed in 1970 as a multi-discipline academic building. Since the original construction, there has been limited renovation. This project replaces deteriorated original window and door systems with energy efficient models and addresses inadequate ADA egress issues.

This project also upgrades and recommissions the building’s HVAC system components to achieve designed efficiency and current High-Performance Building Standards. The current mechanical system has trouble maintaining space temperatures with all the additional lab occupancy and equipment that now is in the classroom spaces. Brockmann Center is presently the most utilized academic building on MSU-Northern’s campus.

FUNDING	
LRBP Cash	\$855,000
<b>TOTAL</b>	<b>\$855,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$769,000
Consultant Services	\$86,000
<b>TOTAL</b>	<b>\$855,000</b>

PRIORITY MR-40

SWAN UNIT OFFICE SIDING & WEATHER BARRIER

DEPARTMENT OF NATURAL RESOURCES & CONSERVATION  
\$210,000

The Swan Unit office siding is over 50 years old. There is no weather-resistant barrier beneath the siding, allowing air to move through the building.

This project will replace the current siding, add weather-resistant barriers to all heated buildings, and add exterior rigid foam insulation to the main building for increased efficiency. DNRC will also replace two broken windows, replace all soffit and fascia, and replace a few metal roof panels that were damaged due to large snow and ice dams. These improvements will seal and protect the SRSF compound for many years.

FUNDING	
LRBP Cash	\$210,000
TOTAL	\$210,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$190,000
Consultant Services	\$20,000
TOTAL	\$210,000

PRIORITY MR-41

STILLWATER UNIT SHOP REMODEL

DEPARTMENT OF NATURAL RESOURCES & CONSERVATION  
\$50,000

The existing floor and brick foundation of the Stillwater Unit Shop is deteriorated, crumbling, and failing. The shop has limited climate control for storage for archival records. Currently, the second floor of the Big shop is used to store records. Items are deteriorating due to temperature extremes experienced between Montana seasons.

Work to renew the Unit Shop facility includes:

- Elevate and support the existing unit shop.
- Remove and replace existing floor slab and foundation stem walls with new concrete foundation stem walls and floor slab.
- Floor drains installation to be included in new concrete slab.
- Insulate unit shop ceiling and walls.
- Install an energy efficient heating source that will reduce the temperature fluctuation of the shop during extreme climate changes.

FUNDING	
LRBP Cash	\$50,000
TOTAL	\$50,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$45,000
Consultant Services	\$5,000
TOTAL	\$50,000

PRIORITY MR-42

NEW FLOORING D-WING

MONTANA MENTAL HEALTH NURSING CARE CENTER  
\$174,262

This project proposes to replace the existing flooring in the vacant D-Wing of the main hospital located in the Montana Mental Health Nursing Care Center (MMHNCC)

The current flooring in the D-Wing is in poor condition and must be replace. The D-Wing can potentially be used to house residents that do not meet Long Term Care Certification Requirements and adding space to offer services to a greater population at MMHNCC.

The existing flooring is currently 25 years old. It is slick, stained, and difficult to sanitize and clean. The flooring must be replaced before residents can be housed in the wing.



FUNDING	
LRBP Cash	\$174,262
<b>TOTAL</b>	<b>\$174,262</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$156,962
Consultant Services	\$17,300
<b>TOTAL</b>	<b>\$174,262</b>



## PRIORITY MR-43

# SPECIAL CARE UNIT COURTYARD IMPROVEMENTS

## MONTANA VETERANS' HOME

**\$75,000**

This project will provide a solution to decrease resident fall risks, decrease the risk of resident-vehicle collisions and provide a safer outdoor space for residents. The project will include the following improvements:

Reduce courtyard size to allow the roadway to be widened, which will eliminate the blind curve and associated safety issues.

Construct a 4-foot retaining wall to create a natural looking barrier as well and provide increased visibility into the courtyard to allow supervision by SCU staff and allow residents to utilize the space independently.

Add a gazebo structure in the center of the courtyard to provide shelter for residents.

Re-route the emergency exit.

For some residents, the courtyard is the only place they can go to get outside independently during the warm weather months. The grade of the courtyard walking path is a slight to moderate downward slope extending to a secured gate. Residents in wheelchairs can lose control due to the sidewalk grade resulting in accidents.



In addition to the risk to residents in the courtyard, the road around the courtyard poses a risk for pedestrians who walk around the campus. There are no sidewalks on the roadway around the corner of the SCU courtyard. The road curves sharply and is a narrow curve with poor visibility. There are speed limit signs posted but without traffic enforcement this area has the potential to result in a vehicle – pedestrian accident or a vehicle to vehicle head-on collision. The project would help mitigate the risks of both resident fall issues as well as pedestrian – motor collision risk.



FUNDING	
State Special Revenue	\$75,000
<b>TOTAL</b>	<b>\$75,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$67,500
Consultant Services	\$7,500
<b>TOTAL</b>	<b>\$75,000</b>

## PRIORITY MR-44

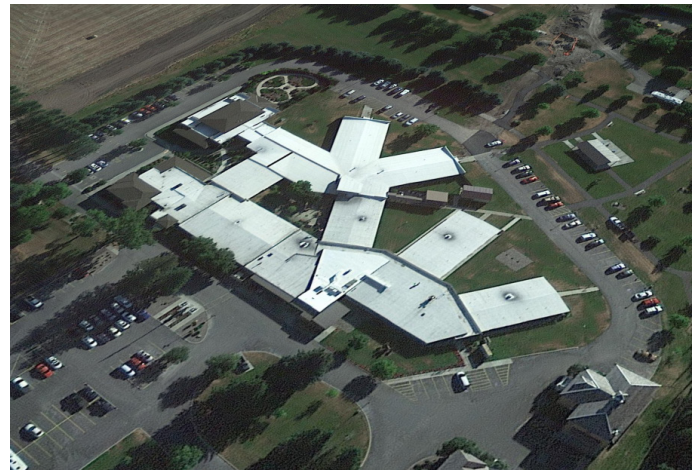
### ROOF RESURFACE

#### MONTANA VETERANS' HOME \$144,000

This project proposes a cost-effective means to extend the life of the roof on the Montana Veterans' Home (MVH) by repairing and resealing the existing roof membrane.

The newest roof installation was in 2010 for the 40-bed expansion. The DOM roof was repaired in 2015 for a cost of \$17,869. Eight sections of the existing building roofing are showing signs of deterioration

Repairing and resealing the roof will extend the useful life of the roofing system for less cost than a total re-roof or the cost incurred to repair/replace the roof and interior finish damage should an unexpected roof failure occur.



FUNDING	
State Special Revenue	\$144,000
<b>TOTAL</b>	<b>\$144,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$144,000
Consultant Services	\$0
<b>TOTAL</b>	<b>\$144,000</b>

PRIORITY MR-45

FASCIA REPLACEMENT

EASTERN MONTANA VETERANS' HOME  
\$200,000

This project will replace rotting fascia on the Eastern Montana Veterans Home (EMVH) building.

Fascia is rotting from moisture and in some sections is unable to hold the metal flashing and is allowing more moisture to enter deeper into the eaves and wall of the building.

Given the amount rotting, a replacement is the only option due to the fascia being a compressed or particle type board.

This was not a known problem until a piece of flashing fell off due to the fascia board being so rotten it could no longer hold the flashing. Additional pieces have continued to fall off since the initial discovery of the issue.



FUNDING	
State Special Revenue	\$200,,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$180,000
Consultant Services	\$20,000
<b>TOTAL</b>	<b>\$200,000</b>



PRIORITY MR-46

MAJOR BUILDING MAINTENANCE

MONTANA VETERANS' HOME  
\$117,000

This interior upgrade project proposes to replace flooring in the Montana Veterans' Home (MVH)

Area to receive new flooring include:

- Common corridors in the 50-bed and 40-bed wings
- Staff break rooms
- Dining rooms
- Therapy gym
- Nurse stations
- Floor in the service entry wing

The existing vinyl composition tile (VCT) flooring is cracking, chipping, and deteriorating prematurely, causing loose area of flooring creating unsafe conditions and tripping hazards for residents and staff.

If not replaced, the flooring will continue to deteriorate, crack, chip and cause increased trip hazards for residents and staff as well as unsanitary conditions due to the inability to satisfactorily clean and disinfect exposed porous surfaces of the damaged flooring.

FUNDING	
State Special Revenue	\$117,,000
<b>TOTAL</b>	<b>\$117,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$106,000
Consultant Services	\$11,000
<b>TOTAL</b>	<b>\$117,000</b>



## PRIORITY DOA-01

# VRF PIPING REPLACEMENT - SCOTT HART BUILDING

## DEPARTMENT OF ADMINISTRATION

**\$900,000**

The HVAC system was replaced in 2013 with a Daikin water-source Variable Refrigerant Flow (VRF) system. However, the Daikin system in the Scott Hart Building is failing to meet expectations for performance and reliability. After continued investigation into repeated compressor failures, the Department commissioned an independent analysis that was completed in January 2020. This analysis diagnosed the primary problem to be the R410 refrigerant to be leaking from the aluminum "Reflok" pipe and fittings running throughout the building.

Aluminum piping and fittings were used to distribute refrigerant between the water-cooled condensing units (WCCUs) and the fan coil units (FCUs). The piping systems were sold under the Reflok brand name. As a result of major fitting failures across the country, the company went out of business. Class action litigation is currently pending.

Refrigerant pipe insulation quality is poor everywhere, not just at wye fittings. Poor insulation is generally considered the cause of leaking Reflok fittings. Reflok fittings require a perfectly sealed vapor barrier, which is not practical in the field. Oil is present in many locations, especially at wye fittings, and in concentrations that indicate the systems (or zones) are frequently low on oil (which is a component of the refrigerant). Refrigerant monitors, located in the mechanical rooms, have been in alarm condition on multiple occasions. This has been blamed on leaking glycol but is more likely to be the result of active R-410 refrigerant leaks.



Because of the nature of the system, the piping and fittings must be replaced in their entirety with copper piping and fittings. Inaction will lead to increased refrigerant leakage, continued compressor failures, and ultimately to entire zones of the building being rendered being without heat or cooling (i.e. unable to be occupied). This project will also address resolution of other ancillary piping and closed-loop water quality issues.

FUNDING	
State Special Revenue	\$900,000
<b>TOTAL</b>	<b>\$900,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$810,000
Consultant Services	\$90,000
<b>TOTAL</b>	<b>\$900,000</b>

## PRIORITY DOA-02

# EXECUTIVE RESIDENCE RENOVATION

## DEPARTMENT OF ADMINISTRATION \$440,500

The 66<sup>th</sup> legislature appropriated \$1.9M of capitol land grant funds effective on January 1, 2021, for renovation and upgrades to the Executive Residence. The cost estimate developed in the fall of 2018 for the project did not include substantial economic impacts due to the COVID-19 pandemic. Significant increases in the bidding environment for many construction trades has directly impacted the budget and scope of upgrade work that needs to be completed.



Completed in 1959, Montana's executive residence has had few major improvements over the past 60 years. The building needs major renovation to upgrade or replace the mechanical, electrical, and plumbing systems which have reached the end of their useful lives. Interior finishes are dated and need replacement as well.

The Executive Residence serves not only as the official residence of Montana's governor but a place to host functions and greet dignitaries as well as visitors from all walks of life. This would be the first major renovation to the Residence since it was built. Upgrading the mechanical,



electrical, and plumbing system will increase energy efficiency and comfort and ensure compliance with current codes.

The Residence is 12,259 gsf. Along with interior renovations, a review of the Residence's facility assessment reports, visual inspection of existing conditions, and prior repair projects will be used by the building committee to further define the scope of the project.

FUNDING	
State Special Revenue	\$440,000
<b>TOTAL</b>	<b>\$440,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$400,500
Consultant Services	\$40,000
<b>TOTAL</b>	<b>\$440,500</b>

Anticipated building infrastructure upgrades and deferred maintenance needs include:

- Asbestos abatement
- Roofing system (re-roofed in 2001) and the exterior envelope (siding, fenestration, insulation)
- Replacement of the mechanical and plumbing systems, including exterior utilities (w/ the exception of the boilers which were replaced in 2010)
- Replacement of the electrical system
- Replacement of specialty systems (fire alarm; security)
- Revised interior layout and upgrade of all interior finishes.

Functional enhancements are also needed as the Residence serves many other essential functions such as hosting of dignitaries and similar events. Early conceptual improvements include separation of the First Family living quarters from access by the more public spaces, catering space, rest rooms, and a separate entrance for event functions.



ADA access will be an important consideration. The State Historic Preservation Office (SHPO) will also need to be consulted on substantive changes as the Residence is identified as a state heritage property. Project funds may also be utilized for furnishings, fixtures, equipment, and other logistical expenses (such as moving & relocation of the First Family during the renovation work, historical preservation of art and artifacts, etc.)





## PRIORITY DOA-03

Withdrawn per the Governor's Amendments to 2023 Biennium Budget

### CAPITOL WEATHERIZATION - PHASE 1

**DEPARTMENT OF ADMINISTRATION**  
**\$1,440,000**

This project consists of restoration and preservation efforts to weatherize and maintain the exterior of the Montana State Capitol Building. Efforts will include but are not limited to sandstone and granite preservation treatments, wood opening (windows and doors) restoration/ painting, cleaning, and caulking replacement.

In 2007, sandstone restoration included patching and sealing the central sandstone edifice. The project had successful results, but preservation was short-lived a mere decade. By 2017, evidence of detail deterioration and patch failure had generated enough concern that a complete Capitol Assessment project was initiated. Comma Q Architecture is leading a Capitol Assessment team to comprehensively identify deficiencies throughout the entire building. While efforts of the team remain ongoing, the sandstone condition was identified as a time sensitive condition to be addressed this biennium.

The detailed carvings and historic materials composing the Capitol facade are prone to decay and damage. Exposed to weather, the porous material suffers water related exfoliation, cracking, blistering, swelling, frost heave, and efflorescence. Although architectural features can be reconstructed for the value of interpretive purposes, this is not a widely accepted alternative to preservation.

Given materials and techniques advanced of those in 2007, resurfacing, repointing, cleaning methods, and water repellents today offer superior preservation results. With scaffolding and lifts in place for stonework, cost efficiencies



can be appreciated by completing the stone and window treatments simultaneously. New economical weather applications expected to perform well beyond a decade, outcomes of this project will minimize future resources and cyclical reapplications.

FUNDING	
State Special Revenue	\$1,440,000
<b>TOTAL</b>	<b>\$1,440,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,290,000
Consultant Services	\$150,000
<b>TOTAL</b>	<b>\$1,440,000</b>



## PRIORITY DOA-04

Withdrawn per the Governor's Amendments to 2023 Biennium Budget

# ROOF REPLACEMENT - 111 NORTH SANDERS

## DEPARTMENT OF ADMINISTRATION \$418,600

The project will consist of removing the existing roof coverings, flashings, asbestos, and abandoned HVAC equipment for the installation of new insulation, roof membrane, and flashings. Where required, mechanical equipment, vents, drains and hatches will be reconfigured to allow for the additional thickness of insulation. Where required, water damaged structural components and underlying plywood decking will be repaired or replaced.

With regular care and maintenance, this roof has far outlived its life expectancy. Although due for re-roof around 2000, at that time a relatively inexpensive acrylic top coating was a temporary option that prolonged a re-roof for 20 years. Any further delay will result in imminent and complete failure of the roof components. To the casual observer, a few stained ceiling tiles and a musty mildew odor appear to be the extent of the ongoing roof issues. However, deeper investigations reveal corrosion on structural components, plywood decking delaminating beneath the roof membrane, and in several locations, insulation completely saturated with water. Although the roof covering has been patched, moisture trapped within the assembly continues to decay components. Therefore, further delay in re-roofing this facility will jeopardize the States asset and prior investments. Several underlying deficiencies burden this roof and the project will include the following:

- Complete removal of original roof covering and aged acrylic coating
- Complete removal of abandoned rooftop equipment



- Complete removal of existing asbestos laden materials
- Where required, replace any decking that is structurally unsound
- Investigate and remediate system decay where water blisters can be observed between acrylic coating and original roof covering
- Remediate unacceptable facility energy loss due to inadequate roof insulation
- Remediate inadequate roof slope where standing water (ponds) can be observed
- Extend mechanical curbs where prone to ice damming and water entry

FUNDING	
State Special Revenue	\$418,600
<b>TOTAL</b>	<b>\$418,600</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$376,600
Consultant Services	\$42,000
<b>TOTAL</b>	<b>\$418,600</b>

## PRIORITY DOA-05

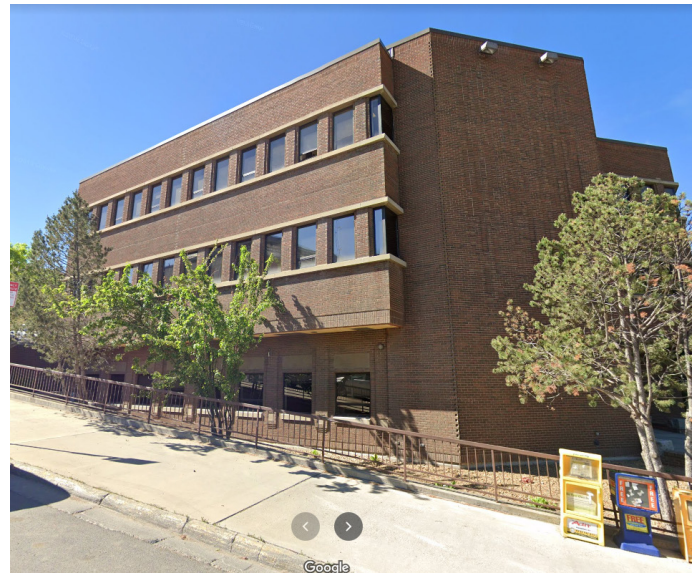
# MECHANICAL UPGRADE - 5 S. LAST CHANCE GULCH

## DEPARTMENT OF ADMINISTRATION \$575,000

This project will replace existing boilers, air-cooled chiller and upgrade to digital controls in place of pneumatic controls where practical. Replacement and repair of failing hydronic system components (hot water valves, balancing devices, etc).

The boilers are original to the building and are standing-pilot atmospheric machines that do not have electronic ignition. The boilers are prone to failure during high winds and frequently require repair. The chiller is at the end of its service life and contains R-22 refrigerant that is no longer being manufactured. Repairs on any of this equipment will become significant in coming years. The hydronic piping system is beginning to fail as evidenced by frequent hydronic coil failure, failing piping and fittings and leaking valve seals.

Replacing the boilers and the chiller with an engineered solution is the most cost-effective solution. The associated hydronic components need to be repaired as well to ensure compatibility with new higher efficiency equipment. Investing in major mechanical equipment without upgrading and repairing the equipment served would be detrimental to the new systems. Replacing the boiler and the chiller with modern equipment guarantees energy savings and environmental responsibility in line with the Climate Solutions Council.



FUNDING	
State Special Revenue	\$575,000
<b>TOTAL</b>	<b>\$575,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$517,500
Consultant Services	\$57,500
<b>TOTAL</b>	<b>\$575,000</b>

## PRIORITY DOA-06

# MECHANICAL UPGRADE - 2800 AIRPORT RD: FWP HANGAR

## DEPARTMENT OF ADMINISTRATION \$1,000,000

Project consists of replacement of the 1960's Steam boiler with a modern steam boiler sufficient in size to accommodate existing HVAC equipment in the hangar. Air handling equipment that services the central most section of the building will also be replaced with an updated design eliminating the current steam heating coils and providing hydronic coils re-piped to the 1970's hydronic boiler. The new air handling system will be updated to include air conditioning for the central section of the building.

The steam boiler was installed in the 1960's and is at the end of its service life. The boiler has had issues with deteriorating stay bolts indicating that the internal structure of the boiler is weakening and will need significant work in coming years. The boiler burner controls have been failing and are unreliable. This boiler serves much of the hangar and all of the central section offices. If complete failure of this equipment happened during the heating season it will render the hangars and the offices unusable. Presently, the central section of the facility has no air conditioning reducing the usefulness of many spaces. The existing air handlers have malfunctioning pneumatic controls, a plugged steam coil that cannot be reasonably repaired, and worn out economizers, fresh air dampers, and zone controls.



Based on the current usage of the building, keeping the existing serviceable and steam fed HVAC equipment in the hangar space is the most cost-effective approach. Aside from the air handling equipment for the core of the building, the steam fed equipment is in satisfactory repair and will remain usable in the long term. A steam boiler will continue to be necessary to provide heat to the Hangar. The new air handlers will allow a smaller steam boiler to be installed in place of the existing one. The new air handlers will not require steam and their replacement allows air conditioning to be added to unconditioned portions of the facility.



FUNDING	
State Special Revenue	\$1,000,000
<b>TOTAL</b>	<b>\$1,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$900,000
Consultant Services	\$100,000
<b>TOTAL</b>	<b>\$1,000,000</b>



## PRIORITY DOA-07

Withdrawn per the Governor's Amendments to 2023 Biennium Budget

# ELEVATOR MODIFICATIONS - COGSWELL BUILDING

DEPARTMENT OF ADMINISTRATION  
\$580,000

Major repairs, modifications and upgrades to the two elevators in the Cogswell Building

The Cogswell building currently has two traction elevators that serve four floors. The two units were originally installed in 1955 and utilize old-style relay controllers, flyball governors, and original door operators. Neither elevator has received major upgrades since their initial installation. Future modernization projects should deal with the installation of fire service recall, door restrictors, additional lighting, and the replacement of the machines and motors. This request would fund both elevator upgrades.

Existing elevators currently experience frequent down time and reliability issues. Continued problems and repairs will result in higher than normal service costs and create accessibility barriers for staff and visitors who utilize them.



FUNDING	
State Special Revenue	\$580,000
<b>TOTAL</b>	<b>\$580,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$500,000
Consultant Services	\$80,000
<b>TOTAL</b>	<b>\$580,000</b>



## PRIORITY DOA-08

Withdrawn per the Governor's Amendments to 2023 Biennium Budget

### ~~BOILER/CHILLER REPLACEMENT - WALT SULLIVAN BLDG~~

~~DEPARTMENT OF ADMINISTRATION  
\$442,250~~

This project will replace the original steam boiler with an engineered hot water boiler allowing the complete elimination of steam from the building. In addition, the ageing chiller and associated cooling tower will be replaced.

The boiler experiences frequent failures due to its age and improperly sized burner. The boiler is original to the building and is well past its service life. The chiller is functional but contains R-22 refrigerant which has been phased out and is no longer produced. Repairs could be unreasonably expensive moving forward.



FUNDING	
State Special Revenue	\$422,250
<b>TOTAL</b>	<b>\$442,250</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$396,500
Consultant Services	\$45,750
<b>TOTAL</b>	<b>\$442,250</b>

## PRIORITY DOA-09

# CAMPUS FACILITIES REPAIRS & MAINTENANCE

## DEPARTMENT OF ADMINISTRATION

**\$400,000**

Funding for this project will allow the Department of Administration the flexibility to address and effectuate repairs, non-routine maintenance, or damaged items that frequently arise but are unanticipated. Life safety, code compliance, deferred maintenance, accessibility, energy-savings projects or repayment to the State Building Energy Conservation Program, and other deteriorated conditions may also be addressed using this appropriation.

Addressing these situations in a timely manner protects, preserves, and extends the useful life of campus buildings and facilities infrastructure. Addressing repairs, deferred maintenance issues, building code compliance, replacing failing systems, and correcting site/utility components preserves campus buildings and reduces the potential for compounding building infrastructure issues through further deterioration resulting from reduced levels of operational funding. Funding for this project is from the capital land grants account which is permitted by Section 12 of the Enabling Act of 1889.

Deterioration of building components and systems is unavoidable due to age and usage. Periodic repairs, replacement, renewal, upgrades, and capital improvements are essential to reducing backlogs of deferred maintenance, addressing life safety / code compliance needs, and extending functional life expectancy. Components such as the exterior envelope (roofing, windows, doors, masonry/siding), interior finishes, and systems like HVAC, plumbing, electrical, fire detection, fire suppression, elevators, site components and utilities, all wear out, become damaged,

may experience increased repairs/maintenance needs, or have fulfilled their useful and effective life expectancy and need to be replaced or renewed. If repairs and deferred maintenance needs are not addressed in a timely manner, deterioration and disrepair will affect additional systems and functionality resulting in failures and every increasing costs to replace or repair.



FUNDING	
State Special Revenue	\$400,000
<b>TOTAL</b>	<b>\$400,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$360,000
Consultant Services	\$40,000
<b>TOTAL</b>	<b>\$400,000</b>

PRIORITY **DEQ-01**

**STATE BUILDING ENERGY CONSERVATION PROGRAM**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**\$3,700,000**

The SBECF improves state facilities by reducing energy costs and uses the energy cost savings to pay for the project over time.

Energy saving improvements subsidized by the State Building Energy Conservation Program (SBECF) include, but are not limited to:

- Lighting upgrades
- Heating system upgrades
- Improved temperature control systems to reduced electric, gas and water consumption

As mechanical and lighting systems age in State buildings; upgrade or replacement of these systems is necessary. Agencies lack funding in their operating budgets to make these large-scale system improvements. SBECF funding supplements operational budgets or long-range funds to complete system upgrade projects resulting in improved energy efficiency, improved system control and operation, and increased comfort.

The State Building Energy Conservation Program (SBECF) improves state facilities by funding energy efficiency projects that result in utility consumption reduction. Funding invested in projects is repaid over time through utility budget savings. SBECF project funding is available to all State agencies and the Montana University System.

FUNDING	
State Special Revenue	\$3,700,000
<b>TOTAL</b>	<b>\$3,700,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$3,300,000
Consultant Services	\$400,000
<b>TOTAL</b>	<b>\$3,700,000</b>



PRIORITY **FWP-01**

**FUTURE FISHERIES**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$1,320,000**

This request for the Future Fisheries Improvement Program (FFIP) would fund individual projects for aquatic habitat enhancement. Projects to be funded will not be determined until as little as 3 months prior to construction and will not exceed \$500,000 per individual project.

Typically, these funds are used to either protect or enhance habitat in rivers and streams where it is either threatened, deficient, or has been impacted by resource extraction. Some projects in lakes are funded, but they are less common. If this funding were not approved, it is likely these restoration and enhancement projects would not be completed, and many native and non-native fish habitats would not be restored. The Future Fisheries Improvement Program is extremely effective and cost efficient. In the last biennium, the average match was 4.56:1, meaning a small amount of FFIP dollars makes a large impact. Non-profit organizations,



landowners, and other local groups anticipate using this funding for future projects and intend to restore and enhance native and non-native fish habitats in the state.

The FFIP Program provides funding for fish habitat restoration and has been in place for 20+ years and is a model for efficient use of government funds to get maximum effect in on the ground, ultimately improving the angling experience statewide. From 1996 to 2017 nearly \$63 million of habitat restoration work was completed because of this program.

FUNDING	
State Special Revenue	\$1,320,000
<b>TOTAL</b>	<b>\$1,320,000</b>

ESTIMATED PROJECT COSTS	
Site Investigation & Development	\$1,320,000
<b>TOTAL</b>	<b>\$1,320,000</b>



## PRIORITY FWP-02

### FAS SITE PROTECTION

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

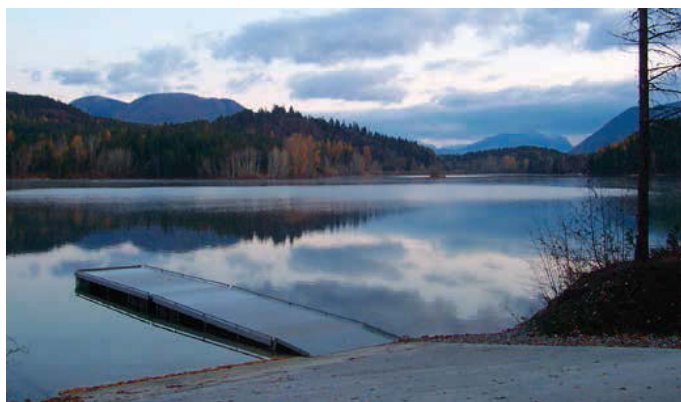
**\$2,450,000**

The FAS Program will provide for the installation and rehabilitation of basic facilities at Fishing Access Sites (FAS) statewide.

Major maintenance and repair of 340 fishing access sites, such as upgrades and repairs to boat ramps and other boating and fishing facilities. Funding is also used for new site infrastructure development-- in the past year, three new FAS's have been acquired, and six more are on the Capital list for initial development.



FAS's statewide require initial development, upgrades, and replacement of facilities to address safe access, parking, and maintenance of boating and fishing facilities.



This work involves the replacement of previously installed facilities that have reached the end of their useful life. New infrastructure is often added to existing sites that have increased public demand where infrastructure is stretched thin, making the replacement of latrines, fencing, boat ramps, and other boating and fishing facilities the best solution to address the issue.

FUNDING	
State Special Revenue	\$2,050,000
Authority Only	\$400,000
<b>TOTAL</b>	<b>\$2,450,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,200,000
Consultant Services	\$250,000
<b>TOTAL</b>	<b>\$2,450,000</b>

PRIORITY **FWP-03**

**DAM MAINTENANCE**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$60,000**

This program will provide funding for the repair of dams owned by Fish Wildlife and Parks.

Maintenance and repair of nine dams owned by Fish, Wildlife and Parks. This work will keep dams from deteriorating so they can be maintained in a safe operating condition.

Fish Wildlife and Parks (FWP) owns 8 dams 2 of which are classified as high hazard by the DNRC Dam Safety Bureau, meaning human lives would be in jeopardy if they failed. FWP is responsible for inspecting, repairing, and maintaining these dams to keep them in safe condition. This request will provide funding to repair issues with dam structures such as concrete repairs to spillways, gate repairs and mechanical operation of the interior and exterior structures of the dams.

This work involves necessary repairs and maintenance to prevent further deterioration and damage to the dams. Providing appropriate repair and maintenance in a timely manner addresses public safety, is cost-effective, and protects the dams from possible failure.

Maintenance and repair of eight dams that are owned by Fish Wildlife and Parks. This work will keep dams from deteriorating so they can be maintained in a safe operating condition

FUNDING	
State Special Revenue	\$60,000
<b>TOTAL</b>	<b>\$60,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$60,000
<b>TOTAL</b>	<b>\$60,000</b>

PRIORITY **FWP-04**

COMMUNITY FISHING PONDS

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$200,000

This program provides general license monies to assist Montana communities with construction or improvement of public fishing ponds, with emphasis on urban fisheries for youth/family angling, education, and ADA accessibility.

The Community Pond Program provides funding that is used by local communities across Montana to create or improve public fishing ponds. Funding preference is given to projects that enhance youth angling, education, family angling, and opportunities for individuals with disabilities. Projects include fishing piers, ADA-accessible docks or platforms, pond deepening, and educational signage. These small improvements have a significant impact to communities and help provide local, accessible opportunities to a wide demographic. These ponds provide opportunities for kids and families to walk or bike to a neighborhood pond and have a great experience.

The improvements made, and recreation gained through the community pond program have long term benefits to local economies, angler



recruitment, and all citizens of Montana. A 30% cost share is required, which leverages the available funding for increased benefits and program efficiency. The funding is used statewide, and without the CPP communities may not otherwise make improvements to public fishing and accessibility.

The Community Pond Program has been in place for over 15 years and is a great example of effective use of government funds to make an impact on public fishing for youth, family, and disabled individuals. Nearly \$2 million of improvements have been made through the CPP, which has significantly impacted anglers statewide.



FUNDING	
State Special Revenue	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Site Investigation & Development	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

PRIORITY **FWP-05**

WILDLIFE HABITAT MAINTENANCE

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$1,440,000

This program provides funding to maintain Wildlife Management Areas and lands in which Fish, Wildlife and Parks has an interest in accordance with state requirements and the Good Neighbor Policy.

Major maintenance responsibilities associated with ownership of Fish, Wildlife and Parks (FWP) lands and facilities must be addressed. FWP lands require development and maintenance to meet the requirements of the Good Neighbor Policy (MCA 23-1-126), public use needs, public safety, and the implementation of management direction. Major maintenance of FWP lands and facilities includes weed control, fence repair, road maintenance, signing, building maintenance, water control, building a structure for storage, structure maintenance, vegetation and grazing management, and other projects that are not needed on an annual basis or require contracted services to complete. This funding is also used for improvements on conservation easement lands including development of grazing systems, parking lots, and habitat restoration.

Fish, Wildlife and Parks (FWP) is mandated to maintain its properties in compliance with the good neighbor policy and correspondingly intends to manage Wildlife Management Areas consistent with program maintenance standards. Infrastructure development and maintenance is required on a continuous basis to ensure properties are managed effectively. Habitat improvements are required to ensure the property is meeting its desired functionality. Keeping up with maintenance ensures issues are addressed in a timely manner and prevents a backlog from developing.

Funding is statutorily earmarked for habitat maintenance. It cannot be used to fund other programs. Applying these funds towards maintenance of FWP’s Wildlife Management Areas on an annual basis ensures necessary maintenance is completed and allows ongoing work to continue uninterrupted.

FUNDING	
State Special Revenue	\$440,000
Federal Special Revenue	\$1,000,000
<b>TOTAL</b>	<b>\$1,440,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,440,000
<b>TOTAL</b>	<b>\$1,440,000</b>



PRIORITY **FWP-06**

**FOREST MANAGEMENT**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**

**\$65,000**

This program provides funding to manage forestry projects on Wildlife Management Areas and Fishing Access Sites in accordance with statutory requirements.

Fish, Wildlife and Parks (FWP) is mandated to manage forested lands per MCA 87-1-201(9)(a) (iv). Revenues from forest management activities including the sale of logs, pulp, and other forest products are deposited in a forest management account for use on forest management projects to address fire mitigation, pine beetle infestation and wildlife habitat enhancement (MCA 87-1-621). Funds are used for work specifically associated with such forest management projects as logging, forest thinning and clearing, slash disposal, road building and repairs, weed control, overseeing forest projects, forest inventory and development of prescriptions, environmental and public review processes, and forest planning.

Forest management is a priority for the Wildlife Division, involving over 140,000 acres of forested lands. These range from historically cut-over lands that are made up of second-growth forest in need of active management, conifer expansion that is negatively affecting aspen and bunchgrass winter range habitats, beetle kill forests in need of thinning treatments, urban interface in need of fuel management, and newly acquired forested lands in need of forest management planning/forest prescription.

Fish, Wildlife and Parks (FWP) is mandated to manage its forested lands to address fire mitigation, pine beetle infestation and wildlife habitat enhancement (Sections 87-1-621, MCA). These projects are large, expensive, and usually

involve multiple years to complete, from planning to contracting to implementation to close out. This project enables FWP to complete forest management projects using dedicated funds derived from forest management activities.

Under the proposed alternative, Fish, Wildlife and Parks can further develop and expand active forest management on wildlife lands and fishing access sites for the benefit of wildlife, forest health, department and neighboring properties, and local communities.

FUNDING	
State Special Revenue	\$65,000
<b>TOTAL</b>	<b>\$65,000</b>

ESTIMATED PROJECT COSTS	
Other	\$65,000
<b>TOTAL</b>	<b>\$65,000</b>

PRIORITY FWP-07

MIGRATORY BIRD PROGRAM

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$650,000

This program uses earmarked Migratory Bird funds for the protection, conservation, and enhancement of wetland habitat. Migratory bird habitat can be lost or degraded by wetland drainage and other land alterations, particularly during drought years. Loss of habitat results in decreasing populations of migratory birds. The Migratory Bird Wetland Program supports wetland conservation projects throughout Montana. MCA-87-2-411 earmarks funds from the sale of migratory game bird licenses for the protection, conservation, and development of wetlands in Montana. This includes the construction of earthworks and other structures to protect, conserve, and develop wetlands. Another aspect of the program is acquisition of interest in land with wetland habitat through easement, fee title, or lease.

As required by statute, a five-person Wetland Protection Advisory Council provides oversight and recommendations on program direction and implementation. The wetland program has a history of funding numerous small and large wetland construction and repair projects. Program emphasis has changed to focus more heavily on habitat restoration and conservation projects. This program direction is laid out in a new field manual that is intended to help facilitate identification of prospective projects and clarify wetland conservation priorities. The program coordinator continues to work closely with numerous wetland conservation partners through the Montana Wetland Council and other venues in pursuit of high-quality projects.

Funding is statutorily earmarked for this specific purpose. It cannot be used for alternative purposes, and therefore if this project is not approved, it will simply accumulate, necessitating the need for a significantly larger project the following biennium.

The proposed alternative specifically allows the Migratory Bird Wetland Program to protect, conserve, and develop wetland habitat in Montana to benefit migratory birds. Emphasis on habitat enhancement through partnerships with private landowners, land management agencies, and conservation organizations has been shown to be the most effective means to ensure cost-effective program delivery.

FUNDING	
State Special Revenue	\$650,000
TOTAL	\$650,000

ESTIMATED PROJECT COSTS	
Other	\$650,000
TOTAL	\$650,000

PRIORITY **FWP-08**

UPLAND GAME BIRD ENHANCEMENT PROGRAM

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$650,000

This program is directed at enhancement of habitats for upland game birds within Montana, as well as implementation of the mandatory pheasant release program to establish populations. This program provides private landowners and public land management agencies with funding to restore, establish, protect, or enhance habitat across the state. All projects are required to allow reasonable amounts of free public hunting as a prerequisite of participation in this program. The program has resulted in improved habitat conditions for upland birds and public access to several hundred thousand acres within the state. Each year there is an increased demand for upland bird hunting opportunities and access by the public and this program continues to help meet those needs. Protection of land through easement or lease is also an aspect of the program; fee title acquisition is statutorily prohibited.

The Upland Game Bird Enhancement Program Citizen’s Advisory Council provides oversight to the program, including monitoring revenue, expenditures, work plans, accomplishments, and compliance with statutes, rules, and the program’s strategic plan. The 12-person Council meets twice annually during the spring and fall and includes two legislators.

Upland Game Bird Enhancement Program (UGBEP) project funds are allocated through an application and evaluation process involving the following major steps:

- 1. A standard project application is submitted to FWP by a Landowner.
- 2. The Area Wildlife Biologist meets with the Landowner to evaluate the proposed project (using a standard evaluation form) and to help in further developing project details.

- 3. The Biologist’s evaluation is submitted to the Regional Wildlife Manager and Regional Supervisor for endorsement/signature. The signed application is then forwarded to the Program Coordinator.
- 4. The Program Coordinator goes through the submitted application and evaluation materials to determine the proposed project’s compliance with program requirements.
- 5. The Coordinator presents the application and evaluation materials to the Wildlife Habitat Bureau Chief and Wildlife Division Administrator to further evaluate the project for funding.
- 6. For those applications that are allocated funds, the Biologist develops a standard project contract with the Landowner, which requires a signature by both the landowner and Wildlife Division Administrator.

Funding for this program is statutorily earmarked for specific purposes of enhancement of upland game bird habitat. Habitat enhancement contracts vary in duration from one to 15 years in length, depending on the complexity and cost of the enhancement. At the end of 2015, there were 376 active contracts that encompassed over 373,000 acres of habitat enhancement and provided 823,000 acres of public hunting access for upland game birds.

FUNDING	
State Special Revenue	\$650,000
<b>TOTAL</b>	<b>\$650,000</b>

ESTIMATED PROJECT COSTS	
Other	\$650,000
<b>TOTAL</b>	<b>\$650,000</b>

## PRIORITY **FWP-09**

### SMITH RIVER CORRIDOR

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$200,000**

This program will utilize earmarked Smith River Enhancement Account (CEA) funds for a project(s) which will benefit and enhance the recreational values within the Smith River corridor.

This project would improve existing recreational infrastructure and facilities directly related to visitor use associated with the Smith River Program.



FUNDING	
State Special Revenue	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$175,000
Consultant Services	\$25,000
<b>TOTAL</b>	<b>\$200,000</b>



PRIORITY **FWP-10**

WILDLIFE HABITAT IMPROVEMENT PROGRAM

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$2,000,000

This program provides enhanced priority wildlife habitats through noxious weed management.

There are other funding sources for targeting noxious weed management in association with human use areas. However remote habitats lack such funding and are experiencing expansion of noxious weeds. Noxious weeds can negatively impact habitats, particularly where native plant communities are involved. WHIP is intended to provide large-scale durable weed management on private and public lands.

The Wildlife Habitat Improvement Program (WHIP) was established during the 2017 Legislature to serve as a funding source through noxious weed management. The program funds goods and services for herbicide, biocontrol, mechanical control of non-infrastructure, and seeding project. The competitive grant program requires at least 25% non-federal match. Major selection criteria include the scale of the project (watershed-scale is best), multiple landowners, and funding partners, high value wildlife habitat.

FUNDING	
Federal Special Revenue	\$2,000,000
<b>TOTAL</b>	<b>\$2,000,000</b>

ESTIMATED PROJECT COSTS	
Other	\$2,000,000
<b>TOTAL</b>	<b>\$2,000,000</b>

## PRIORITY **FWP-11**

# YELLOW BAY STATE PARK SITE UPGRADE

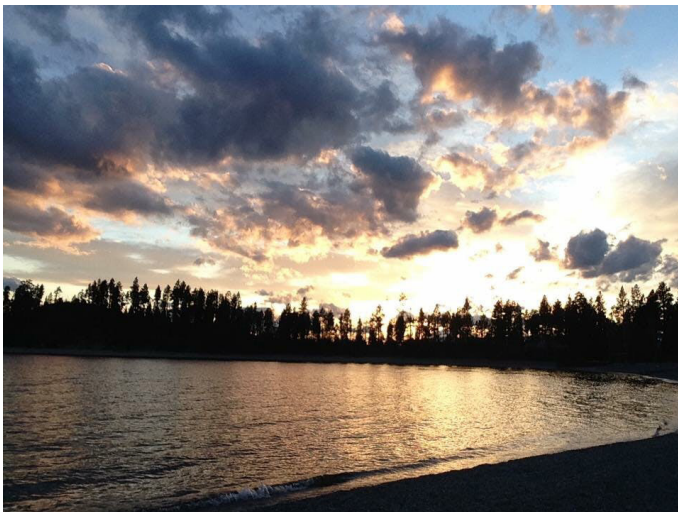
## DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$1,200,000**

Upgrade Yellow Bay State Park to include realignment of unsafe entrance road, pave existing internal road system, replace antiquated comfort station, install a storage/maintenance building, and provide new visitor lodging.

The entrance road enters the highway at an unsafe angle and needs to be realigned for safety. The internal road system needs to be paved to eliminate summer dust from the existing gravel roads. Replace the existing comfort station as it does not meet ADA requirements nor the needs of the number of current users of the site. Provide a storage/maintenance building for tools, mowers, and other maintenance equipment on the site. New visitor lodging such as cabins, yurts, hike/bike camps to provide additional camping opportunities at the park.

Due to the extensive needs at the park it is believed that the most cost-effective way to complete the needed upgrades at the park is to do them all at one time rather than piece meal and disrupt the park users over many years.



FUNDING	
State Special Revenue	\$1,200,000
<b>TOTAL</b>	<b>\$1,200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,000,000
Consultant Services	\$200,000
<b>TOTAL</b>	<b>\$1,200,000</b>

## PRIORITY **FWP-12**

# CEDAR ISLANDS INFRASTRUCTURE UPGRADES

## DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$200,000**

This project will address the infrastructure needs and related facilities necessary to manage the public's increasing use of three FWP-owned islands in Flathead Lake, - Cedar (23 ac.), Bird (30 ac.) and O'Neil (0.53 ac.) Islands. Public use, including both day-use and overnight camping, has reach the point where park-type improvements need to be installed to address the usage. This may include possible designated camping areas, composting latrines, fire rings, and signage. The situation on each island will be slightly unique, but the overall need is to proactively address the impacts of increased public use that is occurring.

With increased usage in recent years, the historically pristine nature of the islands is changing. By installing some basic improvements, the islands can remain an enjoyable and valued experience for visitors. The basic initial needs to be addressed are human sanitation, fire rings, limited signage and possible camping area designations.



FUNDING	
State Special Revenue	\$200,000
<b>TOTAL</b>	<b>\$200,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$175,000
Consultant Services	\$25,000
<b>TOTAL</b>	<b>\$200,000</b>

PRIORITY **FWP-13**

HELL CREEK STATE PARK

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$400,000

This project will address on-going shoreline erosion issues within the concession area portion of the state park.

Due to the fluctuating lake elevations which occur annually, combined with the topography/erosive soils of the site, land areas have been impacted. The project will implement engineered mitigation measures necessary to stabilize the shoreline areas which have been and will continue to be lost to naturally occurring erosion.



FUNDING	
State Special Revenue	\$100,000
Federal Special Revenue	\$300,000
<b>TOTAL</b>	<b>\$400,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$350,000
Consultant Services	\$50,000
<b>TOTAL</b>	<b>\$400,000</b>



## PRIORITY FWP-14

### ADMIN FACILITIES MAJOR MAINTENANCE

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$2,262,150**

This program addresses ongoing maintenance and repair at administrative sites to protect them from deterioration.

This project addresses unforeseen, ongoing, and protective repairs and maintenance of Fish, Wildlife and Parks' (FWP) administrative sites and buildings statewide. To assure long-term site protection, site functionality, and to keep all sites and buildings in good condition, a broad spectrum of maintenance and repairs are addressed. Projects to address maintenance and repairs include:

- Sewer and potable water systems,
- Building roofing,
- Interior painting,
- Carpeting and other maintenance,
- Communication systems including phone and IT systems,
- Building and site security,
- American Disability Act (ADA) improvements,
- Public displays and lobby areas,
- Lab facility issues,
- Health and human safety issues,
- Assuring appropriate amounts of safe workspace for employees,
- Energy efficiency (lighting, HVAC systems, insulation, doors, windows, and others),
- Maintenance and repairs related to evidence storage,
- Additional storage space needs or storage building replacement,
- Building additions,
- Building exteriors,
- Issues identified during the annual Facility Condition Inventory and Inspection, and
- Any maintenance and repairs issues that arise.

Many FWP facilities statewide needs either planned repairs and maintenance or emergency and/or unforeseen situations that arise during the

biennium. This project will provide the necessary funding for those planned and unplanned repair and maintenance issues that arise at administrative facilities statewide during the biennium and will prevent costly replacement and avoid safety issues that may put the public and employees at risk. The expenditure of funds authorized through this project vary considerably and fall under an array of expenditure codes that may include land acquisitions, planned maintenance and repairs, and unexpected or emergency repairs, maintenance, or replacement.

This program addresses the ongoing repairs, maintenance, and upgrades necessary to protect the condition of Montana Fish Wildlife and Parks administrative sites and buildings statewide. Planned maintenance-type projects include sewer and potable water systems upgrades, building and site security, American with Disability Act (ADA) improvements, public displays and lobby upgrades, lab facility issues, health and human safety issues, energy efficiency improvements (lighting, HVAC systems, insulation, doors, windows), storage building construction, building additions, and any unforeseen items that may arise.

FUNDING	
State Special Revenue	\$1,762,150
Federal Special Revenue	\$500,000
<b>TOTAL</b>	<b>\$2,262,150</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,112,150
Consultant Services	\$150,000
<b>TOTAL</b>	<b>\$2,262,150</b>

PRIORITY DMA-01

FT. HARRISON BUILDING 530 ROOF REPLACEMENT

DEPARTMENT OF MILITARY AFFAIRS  
\$244,000

This project will replace a roof on Ft. Harrison Building 530. The roof is beyond its useful life and has multiple leaks which have damaged the facility. The replacement will prevent further structural damage and decrease maintenance costs.



FUNDING	
Federal Special Revenue	\$244,000
<b>TOTAL</b>	<b>\$244,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$220,000
Consultant Services	\$24,000
<b>TOTAL</b>	<b>\$244,000</b>

PRIORITY DMA-02

POST ENGINEERS REMODEL

DEPARTMENT OF MILITARY AFFAIRS  
\$473,850

This project will remodel the Post Engineers Maintenance Building to accommodate 24 personnel and create a 415 square foot conference room. The existing conference room will be remodeled into office space to accommodate the additional personnel.

To plan for existing and future staffing levels within the next five years, the Fort Harrison Post Engineers Maintenance Building will be remodeled to accommodate 24 personnel. The primary goal of the project is to remodel current spaces to accommodate existing and anticipated additional staff levels and to provide maintenance shop requirements.

The building size is insufficient for the number of employees working there. The proximity creates a safety and health concern for the employees.



FUNDING	
Federal Special Revenue	\$473,850
<b>TOTAL</b>	<b>\$473,850</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$426,150
Consultant Services	\$47,700
<b>TOTAL</b>	<b>\$473,850</b>

PRIORITY DMA-03

BILLINGS FMS COMPOUND FENCING

DEPARTMENT OF MILITARY AFFAIRS  
\$99,450

This project will build a fence around the perimeter of the Billings Field Maintenance Shop, which will provide a secured area for the Military vehicles.

The current facility does not meet Anti-Terrorism Force Protection (ATFP) requirements. The addition of the perimeter fence and gate would create a “controlled access perimeter” which then reduces the ATFP requirements so that the facility will be in compliance.



FUNDING	
Federal Special Revenue	\$99,450
<b>TOTAL</b>	<b>\$99,450</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$89,250
Consultant Services	\$10,200
<b>TOTAL</b>	<b>\$99,450</b>



PRIORITY DMA-04

FT. HARRISON RANGE VAULT LATRINES

DEPARTMENT OF MILITARY AFFAIRS  
\$99,450

This project will provide permanent vault style latrines to accommodate the number of soldiers who utilize the training area.

Fort Harrison Training Range is currently using portable latrines, which are inconvenient for the soldiers. There are over 100 soldiers using these porta pods over a typical weekend. With this high usage portable latrines become full and unclean quickly. Building vault style latrines would be a cost-effective and sanitary solution.

This project will construct four dual sided unisex style latrines with hand sanitizer stations and equipped with solar lighting to support the MOUT and FOB non-live firing facilities at Fort Harrison Range.



FUNDING	
Federal Special Revenue	\$99,450
<b>TOTAL</b>	<b>\$99,450</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$89,250
Consultant Services	\$10,200
<b>TOTAL</b>	<b>\$99,450</b>

PRIORITY DMA-05

AASF WASTE TANKS

DEPARTMENT OF MILITARY AFFAIRS  
\$137,250

This project will solve safety issues with the current oil burner at the Army Aviation Support Facility. It will replace the current oil burner with above ground tanks for oil and jet fuel.

Remove the existing waste oil burner from aircraft storage hangar. Install an above ground 400-gallon tank for jet fuel and a 600-gallon tank for used oil. Both tanks will be dual walled AST so that no secondary containment is required. The tanks will contain overfill alarms, and a nozzle on the jet fuel tank so they can fuel essential power equipment.

The oil burner in the aircraft storage hangar violates compliance with NFPA 409/UFC 4-211-01N for fire barrier IAW fire inspection. The most cost-effective solution is to install the waste tanks.



FUNDING	
Federal Special Revenue	\$137,250
<b>TOTAL</b>	<b>\$137,250</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$123,750
Consultant Services	\$13,500
<b>TOTAL</b>	<b>\$137,250</b>

## PRIORITY DMA-06

# HELENA FMS MEP RIGID CONCRETE PAVING EXPANSION

## DEPARTMENT OF MILITARY AFFAIRS

**\$434,625**

The current facility is short on paved compound space and during significant events storm drainage enters the facility. This project will add approximately 1,763 square yards Military Equipment Parking rigid concrete pavement as authorized under NG Pam 415-12. Along with the rigid concrete pavement, all required storm water drainage improvements as well as fencing and curbing will be installed as required.

The compound currently has a limited amount of rigid concrete paving and vehicles are parked on muddy areas adjacent to the compound resulting in safety concerns and reduced readiness. The parking area will create a safer, more effective working and training environment.

Rigid concrete pavement in compounds provide a cleaner and safer area for soldiers to perform maintenance activities on vehicles, is easier to maintain and when properly graded can assist in managing storm water runoff. The compound currently has a limited amount of rigid concrete paving and vehicles have been parked on muddy areas adjacent to the compound resulting in safety concerns and reduced readiness.



FUNDING	
Federal Special Revenue	\$434,625
<b>TOTAL</b>	<b>\$434,625</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$391,875
Consultant Services	\$42,750
<b>TOTAL</b>	<b>\$434,625</b>

PRIORITY DMA-07

LIMESTONE HILLS TRAINING AREA  
CONCRETE LOADING RAMP

DEPARTMENT OF MILITARY AFFAIRS  
\$122,000

This project will create a concrete loading ramp at Limestone Hills Training Area. It will have the capability of loading up to 72-ton M1 A2 Abrams Tanks.

The current dirt loading ramp is not in compliance with National Guard requirements creating a safety hazard for soldiers mobilizing equipment for training. This project will construct 160 square foot of loading ramp and 250 square yards of access apron for the loading and unloading of military vehicles at the Limestone Hills Training Area. The ramp will have two tiers to facilitate the loading and unloading of vehicles from lighter and heavier trailers depending on the type of vehicle being transported.

The Limestone Hills Training Area is the primary maneuver and live fire training area for the Montana Army National Guard. In support of those uses, the current dirt loading ramp is inadequate to load and unload the type and number of military vehicles moving back and forth from this location and creates significant safety issues. NG Pam 415-12 shows a requirement for training areas to be able to unload vehicles from trailers that do not have loading ramps as an integral part of their design. This ramp will need to be capable of loading smaller wheeled vehicles all the way up to 72-ton M1 Abrams Tanks.



FUNDING	
Federal Special Revenue	\$122,000
<b>TOTAL</b>	<b>\$122,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$110,000
Consultant Services	\$12,000
<b>TOTAL</b>	<b>\$122,000</b>



## PRIORITY DMA-08

# MISSOULA FMS RIGID CONCRETE PAVING

## DEPARTMENT OF MILITARY AFFAIRS

**\$106,750**

This project will increase the size of the rigid concrete paving to accommodate all the vehicles.

This project will add rigid concrete pavement to replace the unpaved compound as authorized per NG Pam 415-12. Along with the rigid concrete pavement, all required storm water drainage structures, fencing and curbing will be installed as deemed necessary.

The unpaved area presents safety hazards and can negatively impact the environment in storm water events. Rigid pavement is required to provide a safe facility which complies with environmental regulations.

The existing compound has limited rigid concrete paving and the unit has been parking vehicles on gravel/mud areas adjacent to the compound. The unpaved area presents safety hazards and can negatively impact the environment in storm water events. Rigid pavement is required to provide a safe facility which complies with environmental regulations.



FUNDING	
Federal Special Revenue	\$106,750
<b>TOTAL</b>	<b>\$106,750</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$96,250
Consultant Services	\$10,500
<b>TOTAL</b>	<b>\$106,750</b>

## PRIORITY MDT-01

### FACILITIES REPAIR & MAINTENANCE

#### DEPARTMENT OF TRANSPORTATION

**\$2,300,000**

This project will provide routine preventative maintenance and include small construction projects statewide.

The Helena MDT Headquarters campus and adjacent acreage house the MDT Headquarters and other facilities which perform material testing, equipment fabrication and repair, sign fabrication, traffic data collection and communications. At the local airport, MDT also has airplane hangars and administration offices.

Statewide, MDT maintains 11 district offices and equipment service shops, 123 maintenance section facilities, 49 rest area buildings at 35 locations, 15 airfields, one full-service airport in West Yellowstone, 31 motor Carrier weigh stations, one truck inspection building and truck parking areas. In total, MDT owns and maintains 1,130 buildings, totaling approximately 2,115,116 square feet with an insured value of \$200,102,736.

Improvements implemented within this program include:

- Roof repair and replacement
- Office and building remodels
- Septic systems
- Water supply systems
- ADA improvements

Energy saving projects include:

- Window and door upgrades
- Furnace and heater replacements
- Insulation upgrades.



The small project portion of this request is to construct loader sheds, office additions, sand and salt storage buildings and wash bay facilities.

Energy efficiency is a priority and MDT will continue to explore all issues regarding energy savings.

FUNDING	
State Special Revenue	\$2,300,000
<b>TOTAL</b>	<b>\$2,300,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,200,000
Consultant Services	\$100,000
<b>TOTAL</b>	<b>\$2,300,000</b>

# **DETAILED PROJECT INFORMATION**

## **CAPITAL DEVELOPMENT PROJECTS**

### **2022-2023**



## PRIORITY CD-01

### HEATING SYSTEM UPGRADES - PHASE 2

#### MONTANA TECH

**\$3,520,000**

This project will continue replacement of Montana Technological University's failed steam distribution system.

This project upgrades existing tunnels where needed for safety and maintenance and replaces failed direct buried piping with new tunnel sections. Steam tunnels run under older buildings on the Montana Tech campus. Some of these tunnels are still open for walking from one building to another. Little or no repair work has been done on the tunnels and at some point they will need to be repaired or at a minimum closed off from the public. The ceilings are lower than normal with steam lines and other utility pipes running below the ceiling. Adding tunnels to the remainder of the campus will protect infrastructure that is direct burial. This will allow better maintenance and inspection procedures to be used.

The steam distribution system is a combination of tunnels and direct buried lines. The system is 80-100 years old and is near the end of its useful life and in need of repair to allow for current usage. The direct buried piping is leaking and is inadequately insulated. Sections of the tunnel used for public access between building need to be repaired for safe passage.

FUNDING	
LRBP Cash	\$3,520,000
<b>TOTAL</b>	<b>\$3,520,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$3,168,000
Consultant Services	\$352,000
<b>TOTAL</b>	<b>\$3,520,000</b>



PRIORITY CD-02

BUTTE READINESS CENTER

DEPARTMENT OF MILITARY AFFAIRS  
\$2,997,000

The total project cost was not funded in HB652 of the 66th legislature. Additional funding is needed to complete the project. This request is for the remainder of the funding and additional funding for furniture and equipment.

The Butte Readiness Center was approved in the 66th legislative session for \$5,000,000 general obligation bonds and \$17,000,000 federal special; the funds approved in HB652 were \$1,203,000 less than the total project cost. The Readiness Center is going to need additional federal special for furniture and equipment.

This project is short \$801,249 LRBP funds and \$401,751 federal special. This request also includes \$1,794,000 of Federal Special for furniture and equipment.



FUNDING	
LRBP Cash	\$801,249
Federal Special Revenue	2,195,751
<b>TOTAL</b>	<b>\$2,997,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$0
Consultant Services	\$0
<b>TOTAL</b>	<b>\$2,997,000</b>

PRIORITY CD-03

SW MT VETERANS' HOME ENCLOSED WALKWAYS

DEPARTMENT OF PUBLIC HEALTH & HUMAN SERVICES  
\$3,300,000

The Southwest Montana Veterans' Home is currently under construction in Butte. When completed, it will be the third state veterans home in Montana. The design embraces the shift from a medical/institutional model, to one of a community-style neighborhood.

Five cottages will be home for 12 residents. The small, intimate style will make the residents feel like they are home and not on a long hospital visit. The cottages are served by the Community Center which contains the daily activity, social interaction, supportive service spaces and administrative offices. The layout of the cottages in relation to the CC creates challenges for not only the residents but the contractor that will operate the facility.

To visit another cottage or move to or from the CC, residents will have to cross the street. Due to their required level of care, most residents will need assistance to travel anywhere within the neighborhood. With connected cottages, residents can be moved easily throughout the units without going outside during inclement weather reducing health risks to residents. Meals for the cottages can be prepared in one

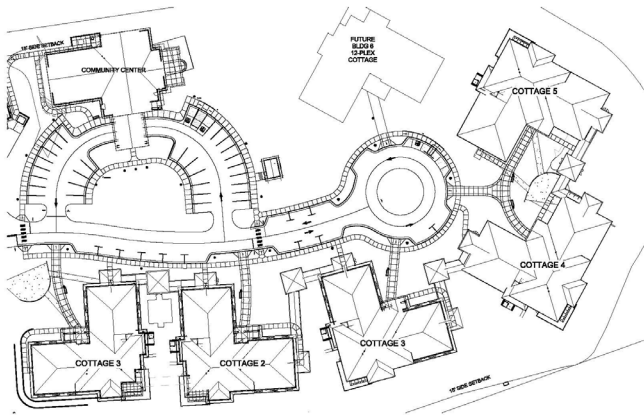
kitchen. Activities and events for residents of multiple cottages can be arranged in a single unit decreasing staff time. Connected walkways allow the ability to share staff, increasing efficiency, reducing labor costs and possibly the potential cost to the Veteran.



FUNDING	
LRBP Bonds	\$3,300,000
<b>TOTAL</b>	<b>\$3,300,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,970,000
Consultant Services	\$330,000
<b>TOTAL</b>	<b>\$3,300,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$111,111	\$111,111	\$111,111
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$111,111</b>	<b>\$111,111</b>	<b>\$111,111</b>



## PRIORITY CD-04

# VETERINARIAN DIAGNOSTIC & AG ANALYTICAL LABS

## DEPARTMENT OF LIVESTOCK

**\$36,050,000**

New construction project to build a modern Montana Veterinarian Diagnostic Laboratory (MVDL) adjacent to the old Marsh Laboratory Complex (1961) on MSU Bozeman's campus.

The Department of Livestock, in concurrence with the Legislative interim study (HB 661, 2017) Montana State Laboratories, is submitting a new construction proposal to build a modern Montana Veterinary Diagnostic Laboratory adjacent to the old Marsh Laboratory Complex (1961) on MSU Bozeman's campus. This new facility is in response to failing accreditation requirements for inadequate infrastructure including the current workspace footprint, design, and ventilation. Additionally, the new lab will feature enhanced biosecurity and accommodate future growth and testing capabilities to help ensure Montana maintains a disease-free economic landscape.

Without a comprehensive upgrade to the facilities the State should seek to close the Lab in the next six years.

Loss of industry accreditation, federal cooperation and national funding are threatening.

Mechanical systems cannot be suitably upgraded without extensive modernization.

Other State Labs are currently technologically better positioned to service Montanans' daily business.

Current working space conditions are outdated, unattractive, insufficient, and out of compliance with industry standards.

Renovation of the current space was explored by outside designers and dismissed as not a viable option primarily given that there is not enough space in the facilities to modernize operational, mechanical and safety requirements for the services performed currently. Additional rationale for rejecting this alternative included:

The disruption of services during a renovation

would be detrimental to business and likely lead to irrevocable erosion of the Lab's customer base. Other tenants in the building would be adversely impacted by mechanical and common space upgrades affecting them.

Renovation costs are very comparable to new construction and contingency risks are much higher. A Lease versus build alternative was explored as part of the Legislative (2019) HB 586 Committee's objective to the Department of Administration (DOA) to come up with a funding solution. The DOA reported back to the committee that leasing would annually cost an additional \$1M plus when compared to a building through the traditional LRBP process. New Construction and thereby enlargement of the current footprint is required for sustaining current operations and essential to future-proofing facility requirements.

FUNDING	
LRBP Bonds	\$22,950,000
Authority Only	\$13,100,000
<b>TOTAL</b>	<b>\$36,050,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$32,445,000
Consultant Services	\$3,605,000
<b>TOTAL</b>	<b>\$36,050,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$146,379	\$146,379	\$585,515
Maintenance Expenses	\$209,363	\$209,363	\$854,200
<b>TOTAL O&amp;M COSTS</b>	<b>\$355,742</b>	<b>\$355,742</b>	<b>\$1,439,715</b>

The operational safety and accessibility of a modern laboratory is regulated from a spatial standpoint through modular planning. This type of laboratory planning establishes a module that assists the designer in regulating the width of the work benches and the safe clearance between the work areas which is vital when the laboratory staff is routinely handling samples of infectious agents and hazardous chemicals used in normal lab operations. Most of the existing laboratories in Marsh Lab were designed to accommodate a very tight laboratory module. In many areas, this has led to narrow aisles and benches that overtime have reduced their margin of safety.

A portion of the growth assumed in the study was provided to help alleviate this condition. When the module is widened to the modern range of 10'-6" to 11'-0", it will generally lead to an increase in overall net square footage to accommodate an equal amount of working bench space.

Other areas of growth shown in the study arose out of the need for additional space to accommodate new sections and containment procedures that have evolved since Marsh Lab was constructed.

One example of this is the Molecular Diagnostics section which is based on specialized equipment for identification of pathogens at the genetic level. The current Molecular Diagnostics section at the Montana VDL is housed in space that was designed before these techniques had been invented and it is anticipated in most VDL's that this section will continue to grow rapidly.

Another example of new growth in the field of veterinary diagnostics is the addition of higher bio-safety level containment. Most new VDL's being built or contemplated around the country now include consideration of BSL-3 space to more safely manipulate and test samples that are suspected of harboring select agents.

Montana needs a state veterinarian diagnostic laboratory.

Critical surveillance streams from animal sample submissions from Montana vets. No negative reports from out of state labs. What is the occurrence rate?

Authority over laboratory to prioritize work. Lose same day diagnosis capability when going out of state especially in a regional disease outbreak scenario. Keep money within the state. It does not make sense why we send money out of state when we gain capacity in state to identify, adjust and solve local issues.

Better poised to respond to emerging threats and emergencies.

All ongoing laboratory services are needed.

Industry, consultant, and employee inputs are in agreement that current services are baseline requirements of a state veterinarian diagnostic lab and looked-for to continue.

Anticipated service expansions into areas such as CWD, Anthrax, Molecular Diagnostics... warrant increasing lab footprint and functional capacity beyond existing services.

The Department of Agriculture, in concurrence with the Legislative interim study (HB 661, 2017) Montana State Laboratories is submitting a new construction proposal in cooperation with the Department of Livestock to build a laboratory to provide chemistry testing services for Agriculture, feed, fertilizer, pesticide and chemical groundwater protection.



PRIORITY **CD-05**

EASTERN LAND OFFICE FACILITIES & SHOP

DEPARTMENT OF NATURAL RESOURCES & CONSERVATION  
\$2,250,000

Construct new facility in Miles City for the Eastern Land Office and CARDD to include new 6,000 square foot office building and 2,500 square foot shop facility.

The proposed project would be to construct a new office building of approximately 6,000 square feet along with an approximate 2,500 square foot shop facility on a 6-acre property owned by DNRC, adjacent to the USDI BLM facilities, that includes the interagency dispatch center.

The new construction would provide for a more adequate office environment than exists with the current leased office space. In addition to



individual office space, this construction would also provide for a conference room, training room, ADA compliant rest rooms and adequate storage that currently does not exist with the current leased facility. Currently the ELO/CRDD facility in Miles City has no shop area and all routine maintenance of trust land and fire cache vehicles occurs on a small concrete pad exposed to the elements. The construction of the shop facility to accompany this office building will allow for safe and effective routine maintenance of the



FUNDING	
LRBP Bonds	\$2,250,000
<b>TOTAL</b>	<b>\$2,250,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,070,000
Consultant Services	\$180,000
<b>TOTAL</b>	<b>\$2,250,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$33,750	\$33,750	\$33,750
Maintenance Expenses	\$39,375	\$39,375	\$39,375
<b>TOTAL O&amp;M COSTS</b>	<b>\$73,125</b>	<b>\$73,125</b>	<b>\$73,125</b>

vehicle fleet and will provide additional storage and a place to get valuable resources out of inclement weather.

The current ELO/CARDD office space is somewhat substandard with persistent air quality issues due to hair/beauty salon businesses located on either side as well as mold and mildew issues related to periodic water leaks within the roof of the building. There is very little storage space available and the only ADA compliant rest room for the ELO doubles as a storage closet. In addition, 3 of the ELO Forestry Division Staff have office space located at the Interagency Dispatch Center located on the BLM campus and the DNRC hardware compound is also located on the BLM campus. This new construction would locate the remaining ELO and CARDD employees as well as the hardware compound on DNRC owned land adjacent to the BLM campus and the Interagency Dispatch Center. Construction of a shop facility would allow for safe and effective maintenance of DNRC owned equipment out of the elements.



## PRIORITY CD-06

# HAVRE UNHEATED STORAGE BUILDING

## DEPARTMENT OF MILITARY AFFAIRS

**\$422,120**

This project will build an unheated storage building for protective storage of equipment. Currently the Readiness Center does not have adequate space for storage to be in compliance with National Guard criteria. Equipment is being stored in the maintenance bay which is causing unsafe and inefficient working conditions. Adding the additional unheated storage space will eliminate the storage in the maintenance bay. This building will be approximately 1800 square foot.

Havre Readiness Center is currently short on unheated storage; the maintenance bay is being used as a storage place, which it was not designed for. There is an increased risk of military equipment getting damaged.

To enable the training mission of the Montana Army National Guard at the Readiness Center, a storage building is required to protect equipment and prevent unnecessary damage to military equipment.

FUNDING	
LRBP Cash	\$105,530
Federal Special Revenue	\$316,590
<b>TOTAL</b>	<b>\$422,120</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$380,000
Consultant Services	\$41,520
<b>TOTAL</b>	<b>\$422,120</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$500	\$500	\$500
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$500</b>	<b>\$500</b>	<b>\$500</b>

## PRIORITY CD-07

# BILLINGS AFRC UNHEATED STORAGE EXPANSION

## DEPARTMENT OF MILITARY AFFAIRS

**\$308,051**

This project will build an unheated storage building for protective storage of equipment.

The Billings AFRC has inadequate unheated storage space for the equipment used in support of the mission of Montana Army National Guard. This project will add 3510 square feet of hard surface parking for military equipment thus facilitating the proper storage type and space to prevent failures due to cold temperature operations.

Exposure to harsh weather conditions damages unprotected military vehicles and equipment, shortening their useful life. Shipping containers provide temporary protection for some equipment. Providing additional and more permanent storage will protect vehicles and equipment and extend their useful life.

The equipment composition of the units assigned to the BAFRC has changed drastically since the existing facility was constructed. Due to these changes and the increase in the assigned units strength and equipment footprint, more storage is required. Currently the facility is utilizing shipping containers that are taking up limited compound space and are inconvenient and inefficient for storing equipment and limits the ability to store essential equipment. This project would provide the additional storage space that is required for the equipment used in support of the mission of the Montana Army National Guard.

FUNDING	
LRBP Cash	\$77,013
Federal Special Revenue	\$231,038
<b>TOTAL</b>	<b>\$308,051</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$277,751
Consultant Services	\$30,300
<b>TOTAL</b>	<b>\$308,051</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$600	\$600	\$600
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$600</b>	<b>\$600</b>	<b>\$600</b>



## PRIORITY CD-08

# LIQUOR WAREHOUSE EXPANSION

## DEPARTMENT OF REVENUE

**\$6,500,000**

This project will expand the state liquor warehouse by 35,000 square feet. The department utilizes this facility for its state liquor operations including receiving, warehousing, and shipping of liquor products. An expansion is necessary due to increased demand.

The department operates a centralized warehouse located in Helena for receiving, warehousing, and shipping liquor products to agency liquor stores located throughout the state. This project will expand the liquor warehouse by building a 35,000 square foot addition off the south end of the building. Additionally, the department proposes to build the structure taller than the existing building to allow an automated storage and retrieval system to be installed in the future. This project is necessary because the size of the current warehouse cannot sustain the continuous growth in liquor sales.

Cases shipped from the state liquor warehouse have grown from 470,598 in fiscal year 2002 to 858,486 in fiscal year 2019. Within the next 5 years, the department will eclipse 1 million cases shipped per year. The continuous growth in liquor sales has created an operational problem that needs to be addressed. The state liquor warehouse was built in the late 1970s and the 100,000 square foot facility is not large enough to sustain the continuous increases in liquor sales.

Industry experts have analyzed the liquor warehouse operations and have determined that the maximum capacity will be reached by the year 2027. Without additional warehouse space,



the state stands to lose \$2.5 million in liquor taxes and net profits beginning in 2027 and increasing by an average of 4.11 percent each year thereafter.

An expansion of the existing facility will ensure continued operations for approximately the next 12 years and will set the state up to be able to continue to use the facility for many more years thereafter.

FUNDING	
LRBP Bonds	\$6,500,000
<b>TOTAL</b>	<b>\$6,500,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$5,850,000
Consultant Services	\$650,000
<b>TOTAL</b>	<b>\$6,500,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$32,000	\$32,000	\$32,000
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$32,000</b>

An expansion of the existing building for additional warehouse space is the most cost-effective solution. It enables the state to continue to serve its customers from one centralized location and avoids impacting the 300 liquor suppliers that ship product to the state liquor warehouse and ensures the warehouse employees work in a safe environment without impacting warehouse efficiencies. It has fewer overhead costs compared to other alternatives and positions the state to handle the increase in liquor sales with little disruption.

The department has implemented several efficiency measures over the last 12 years to postpone the need to seek funding for an expansion. The department has:

- Reorganized the warehouse layout to maximize warehouse space
- Reconstructed the warehouse shipping/receiving area to require tractor trailers to be located outside the building
- Installed several rows of racking to take advantage of all warehouse cubic space
- Reduced the amount of inventory liquor suppliers can maintain at the warehouse
- Updated the warehouse management system to utilize warehouse locations more effectively.



## PRIORITY DOA-01

# STATE HEALTH LAB RENOVATION

## DEPARTMENT OF ADMINISTRATION

**\$6,000,000**

The Laboratory Services Bureau currently occupies the same physical space in the Cogswell Building that it occupied prior to the terrorist attacks against the United States on September 11, 2001. Following 9/11 federal funding was provided that greatly enhanced laboratory capability within its current physical boundaries. This funding included the construction of a BSL3 (Biosafety Level 3) suite within the current laboratory space, enhanced laboratory safety features to protect laboratory and non-laboratory personnel and new technology to protect the health of Montanans.

While all these improvements served to enhance the laboratory's capacity post 911, additional



gains in laboratory capacity cannot be achieved without additional laboratory space to support them. This was evident prior to the beginning of the COVID-19 pandemic but has become extremely pronounced since then when the Montana Public Health Laboratory was the only laboratory in the state that was able to provide COVID-19 testing for the citizens of Montana.

While the Montana Public Health Laboratory has performed admirably in response to the COVID-19 crisis, there has clearly been a limitation on capacity that could have been



FUNDING	
Authority Only	\$6,000,000
<b>TOTAL</b>	<b>\$6,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$5,400,000
Consultant Services	\$600,000
<b>TOTAL</b>	<b>\$6,000,000</b>



overcome were it not for current space limitations. The Laboratory Services Bureau has obtained federal funding that will support the proposed laboratory expansion project. The outcome of this project will provide additional laboratory capacity for the ongoing pandemic and allow the Public Health Laboratory to be better prepared to address future public health crisis.

Additional laboratory space will increase testing capacity by allowing additional instrumentation and clinical laboratory scientists to be performing testing simultaneously.



Alternative that were considered to expand the lab included:

Acquire space and build a new laboratory that meets the required specifications at an alternative site.

Expand the current laboratory footprint into adjacent space within the Cogswell Building and provide infrastructure improvements consistent with laboratory functionality and safety.

Restrict laboratory operations based upon current space and infrastructure limitations  
Alternative #1 would be the most desirable because it could segregate laboratory operations in a dedicated facility with safety and infrastructure requirements. However, it would be much more costly, with a lengthier timeline and exceed the current federal funding opportunity.



Alternative #3 would be the least desirable as it would not alleviate the current problem, would not take advantage of a rare funding opportunity and would not provide the resources to be better prepared for future biological and chemical threats to public health in Montana.

Alternative #2 is the most feasible pathway to increase laboratory capacity. Funding has already been acquired. It will resolve the current problem and allow for future growth. The timeline to completion would be shorter than Alternative #1 and can be accomplished with little or no impact to ongoing laboratory operations.

This project is being fully funded by a Federal grant.



## PRIORITY DOA-02

# COMMODITIES WAREHOUSE EXPANSION

## DEPARTMENT OF ADMINISTRATION

**\$1,779,230**

This project will provide an additional freezer and dry storage space to DPHHS Food Distribution Commodities Warehouse in Helena to accommodate additional food options and increased demand.

A prefabricated 2,720 sq ft freezer unit will be added to the Commodities Warehouse. An additional 5,280 sq ft of dry storage space will be added to provide more storage and working space. The funding for this project was granted through the CARES Act USDA Food Distribution Program on Indian Reservations (FDPIR) allotment for facility improvements.

The existing freezer space is inadequate for the current operations. The number of frozen food offerings has increased by over 8 product lines. There is also a greater demand for frozen food products. The Food Distribution Commodities Program currently rents freezer space in Billings to store overflow food products. The current dry storage space is at capacity.

DPHHS has considered renting other dry storage space. This option would result in inefficient operations as products, loading equipment and staff would need to be moved frequently. The program could continue paying rental costs for 1500 sq ft of freezer space in Billings. The DPHHS FDPIR program



was awarded \$1,779,230 from the CARES Act USDA Food Distribution Program on Indian Reservations (FDPIR) allotment for facility improvements. These funds must be spent by September 30, 2023. With the additional operating and maintenance costs, the program would still have a net savings by eliminating the additional costs for moving items to and from the freezer in Billings along with the rental fees. The additional freezer and dry storage space is necessary to be able to stock the new items that are available in the commodities programs.



FUNDING	
Authority Only	\$1,779,230
<b>TOTAL</b>	<b>\$1,779,230</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,600,230
Consultant Services	\$179,000
<b>TOTAL</b>	<b>\$1,779,230</b>

O&M COSTS				
	2023	2025	2027	
FTE	0	0	0	
Personal Services	\$0	\$0	\$0	
Operating Costs	\$0	\$0	\$0	
Maintenance Expenses	\$12,200	\$12,200	\$12,200	
<b>TOTAL O&amp;M COSTS</b>	<b>\$12,200</b>	<b>\$12,200</b>	<b>\$12,200</b>	

## PRIORITY FWP-01

# FLATHEAD LAKE RECREATION ACCESS

## DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$7,859,000**

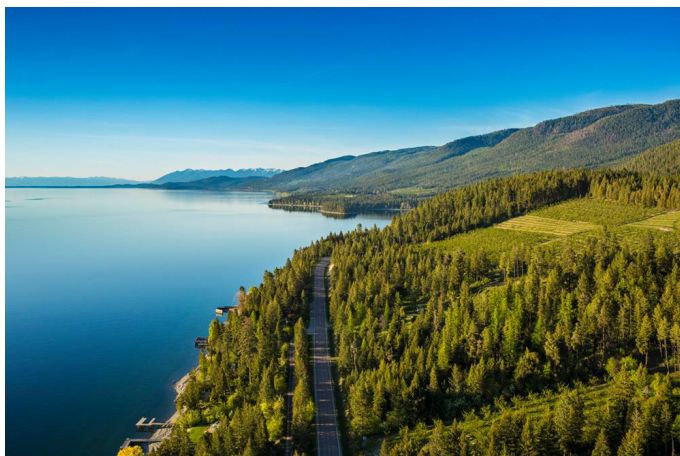
Acquisition and development of two separate parcels on Flathead Lake. One to be developed as a Fishing Access Site and one as a State Park.

Proposed acquisition and development of a new State Park on Flathead Lake which would provide a diverse number of recreational opportunities for the public. While the proposed fishing access site would provide improved boating access along the west shore of the lake.

Public access to Flathead Lake is extremely popular, causing congestion at existing waterfront access sites. There is also a lack of diversity of recreation experiences on Flathead Lake, with sites being primarily dedicated to waterfront access. The proposed State Park will increase potential experiences diversity. The fishing access site will provide additional boating access to the lake and help reduce the congestion at other access sites around the lake.



The sellers have expressed an interest in providing additional public access to Flathead Lake. Development of these sites will provide additional recreational opportunities at Flathead Lake and surrounding communities



FUNDING	
State Special Revenue	\$4,959,000
Federal Special Revenue	\$2,900,000
<b>TOTAL</b>	<b>\$7,859,000</b>

ESTIMATED PROJECT COSTS	
Land Acquisition	\$3,000,000
Construction Costs	\$4,130,150
Consultant Services	\$728,850
<b>TOTAL</b>	<b>\$7,859,000</b>

PRIORITY **FWP-02**

FISHING ACCESS SITE ACQUISITION

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$280,000

This program provides statutorily earmarked funds for the acquisition, either by lease or fee title, for fishing access to Montana lakes, streams, and rivers.

This project primarily pays for the acquisition of private land but also pays for due diligence on donated and leased properties.

Montanans and our out-of-state guests have a tremendous appetite for being able to access our world-renowned fisheries, this applies to lakes as well as rivers and streams. This program helps to address that growing need.

Our Fishing Access program is the envy of other states and undoubtedly many other countries. It is key to providing anglers a means to get to and on our waters for fishing and other water related recreational activities.

FUNDING	
State Special Revenue	\$280,000
TOTAL	\$280,000

ESTIMATED PROJECT COSTS	
Land Acquisition	\$280,000
TOTAL	\$280,000

## PRIORITY FWP-03

### FISH CONNECTIVITY

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$1,840,000**

This project is for construction of fish passages, barriers, screens, ladders, or fish habitat projects that are unforeseen during budget planning but become a critical need during the next biennium. Structures or habitat projects may conserve native species by blocking upstream passage of non-native fish, may eliminate habitat fragmentation due to blockages to fish passage ( e.g. irrigation structures, road crossings) or reduce entrainment of native fish species into irrigation infrastructure with fish screens.

The structures are intended to conserve native fish populations by blocking upstream passage of non-native fish or improve fish passage at structures that block fish migration and fragment fish habitat.

Fish, Wildlife and Parks anticipates construction will take place in the 2023 biennium.

FUNDING	
State Special Revenue	\$200,000
Federal Special Revenue	\$1,025,000
Authority Only	\$615,000
<b>TOTAL</b>	<b>\$1,840,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,380,000
Consultant Services	\$460,000
<b>TOTAL</b>	<b>\$1,840,000</b>



PRIORITY **FWP-04**

**HABITAT MONTANA**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$11,550,000**

This program secures important wildlife habitats through conservation easement, fee title acquisition, or long-term lease. It is funded with a portion of the revenue from the deer and elk auction licenses as well as earmarked license fees.

Critical wildlife habitat is identified, prioritized, and protected through the acquisition of an interest in land by easement, fee title, or lease. Projects are selected statewide according to the rules and guidelines outlined in the Habitat Montana program. Integration of Montana’s Comprehensive Wildlife Plan assists in the prioritization of projects. Our focus is priority lands critical to wildlife that are being subjected to degradation or loss on a continual basis. Protection and enhancement of important wildlife lands are essential if Fish, Wildlife and Parks is to meet the demands of the public and its statutory mandate.

Funding is statutorily earmarked for this specific purpose. It cannot be used for alternative purposes, and if this project is not approved, it will simply accumulate, necessitating the need for a significantly larger project the following biennium.

Funds from this popular program are routinely leveraged with outside funding.

FUNDING	
State Special Revenue	\$9,550,000
Federal Special Revenue	\$2,000,000
<b>TOTAL</b>	<b>\$11,550,000</b>

ESTIMATED PROJECT COSTS	
Fee Title, Easements & Land Leases	\$11,550,000
<b>TOTAL</b>	<b>\$11,550,000</b>

PRIORITY **FWP-05**

HOME TO HUNT ACCESS

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$850,000

This program provides access to public lands through private lands by easements, leases, or fee title.

In many locations, large blocks of public lands (federal and state) are inaccessible to the public because access is blocked by adjoining private lands. Funding from this program enables Fish, Wildlife and Parks (FWP) to secure access from willing landowners across private lands to public lands. This increases recreational opportunity for the public as well as helps FWP manage wildlife populations.

Many landowners are concerned about impacts to their private land and the value of their land by allowing public access. Compensation for such access helps alleviate landowner concerns, while providing public access in perpetuity. The funding for securing this access is specifically earmarked for this purpose.

FUNDING	
State Special Revenue	\$850,000
TOTAL	\$850,000

ESTIMATED PROJECT COSTS	
Fee Title, Easements & Land Leases	\$850,000
TOTAL	\$850,000

PRIORITY **FWP-06**

**BIG HORN SHEEP HABITAT**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$320,000**

This program protects bighorn sheep habitat through acquisition of interest in important big horn sheep habitat by easement, lease, or fee title using big horn sheep auction revenues.

Habitat for bighorn sheep is limited and necessitates an active program to preserve and enhance this habitat type. The project uses bighorn sheep auction dollars to protect sheep habitat through fee title, easement, lease or exchange, and habitat improvement through contract or cooperative programs. Improvement projects may focus on FWP lands where bighorn sheep are a management interest or on other lands where objectives for habitat can be improved in cooperation with the managing agency or landowner. Specific management projects may be undertaken that require multiple-year activity. Bighorn sheep habitat is influenced by several factors which limit population stability or expansion.

Funding for this program is statutorily earmarked for the specific purpose of conservation of the species. Fish, Wildlife and Parks has made the decision that 50% of auction revenues will be used for enhancement or conservation of important sheep habitat (the other 50% is appropriated in HB2). If this project is not approved, funds will continue to accrue, but no habitat conservation will be delivered.

Bighorn sheep are a popular big game species that are dependent on specific habitat. Loss of this habitat will result in decreased herd numbers and potential health issues. The big horn sheep auction license was established specifically for the conservation management of bighorn sheep.



FUNDING	
State Special Revenue	\$320,000
<b>TOTAL</b>	<b>\$320,000</b>

ESTIMATED PROJECT COSTS	
Fee Title, Easements & Land Leases	\$320,000
<b>TOTAL</b>	<b>\$320,000</b>

PRIORITY **FWP-07**

INTERPRETATION AND EXHIBIT UPGRADES

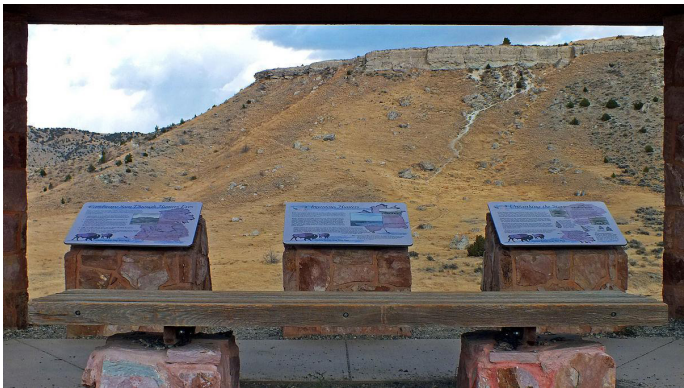
DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$500,000

Project would use funding from the State Parks enterprise account to upgrade and update interpretation and exhibits at State Parks.

Many exhibits get worn with use, outdated in content, or just weathered from the elements. These exhibits need replacement, updating and upgrading.

Updating and upgrading interpretation using the enterprise account will allow the needed work, to provide a quality experience for visitors, and to be done without using other funding that is needed to complete other parks maintenance needs.

This project is to use funding from the State Parks enterprise account to upgrade and update interpretation and exhibits at State Parks.



FUNDING	
Federal Special Revenue	\$500,000
<b>TOTAL</b>	<b>\$500,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$500,000
<b>TOTAL</b>	<b>\$500,000</b>



PRIORITY **FWP-08**

**LEWIS & CLARK CAVERNS DRAINFIELD REPLACEMENT**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$600,000**

Replace the existing aging drain field with a modern one that meets the current Department of Environmental Quality standards and if funds are available start the planning for replacement of the aging comfort station with an updated modern building that will meet the growing use at the park.

The aging drain field at the Lewis and Clark Caverns State Park and the comfort station and shower building has exceeded their expected life and does not meet current standards. Maintenance staff have had several issues with the drain field the past few years. The drain field needs to be replaced before it totally fails and results in closing or severely reducing the opportunities in the premier park in the State Park system. Planning for replacement of the aging and under sized comfort station should be considered if funding is available after the drain field is replaced.

Replacing the drain field will allow the replacement to be done to current standards and before the existing one fails avoiding the need to close the comfort station due to a failed drain field. Planning for the replacement of the aging shower building would allow State Parks to have a complete understanding of a future project with cost to present to a future legislature.

The drain field at the Lewis and Clark Caverns State Park campground has exceeded its expected life and does not meet current Department of Environmental Quality standards



and needs to be replaced. The existing comfort station and shower building is not meeting the current needs of the park, and planning needs to begin to replace it.

FUNDING	
State Special Revenue	\$600,000
<b>TOTAL</b>	<b>\$600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$510,000
Consultant Services	\$90,000
<b>TOTAL</b>	<b>\$600,000</b>

## PRIORITY FWP-09

### HAVRE AREA OFFICE

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$2,260,000**

This project is to construct office and workspace as well as equipment and vehicle storage in Havre where only rental space currently exists. The department would also explore options with other agencies such as DNRC to see if a joint area office would be cost effective. The project would:

- Acquire property and construct a Havre area office for existing FWP staff, public space for meeting with public, selling licenses and disseminating information.
- Construct a work and heated storage area as well as secure area for vehicle and boat storage.

The existing Havre area office is currently housed in a leased building. The building is under a short-term agreement. State General Services Division has not been able to find suitable rental space to house all area staff. This project will provide for a long-term solution to office and workspace for employees in the Havre area.

Alternatively, FWP could lease another space to adequately meet needs of the existing staff. FWP through the State General Services division has looked for space to lease in the Havre area for several years but has not been able to find suitable rental space to meet the needs. FWP could continue to lease the existing short-term lease space. The existing space does not provide enough office space for existing staff and there is not adequate heated workspace and secure storage on the property.



Providing office and workspace as well as boat and vehicle storage is a long-term solution to the need for staff in the Havre area. Building an FWP Havre area office that will meet the needs of the existing area staff will provide the necessary office space, workspace and secure storage area will allow FWP to continue to provide the expected services to the public and landowners in the Havre area.

#### FUNDING

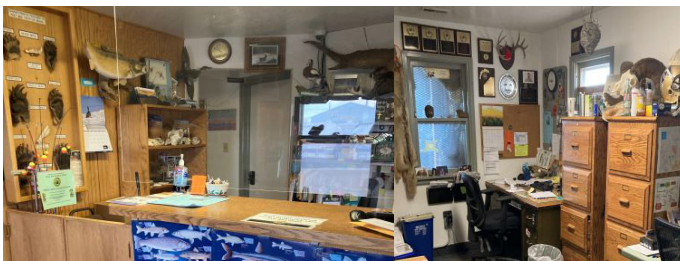
State Special Revenue	\$1,760,000
Federal Special Revenue	\$500,000
<b>TOTAL</b>	<b>\$2,260,000</b>

#### ESTIMATED PROJECT COSTS

A&E Supervisory Fee	\$67,800
Construction Costs	\$1,613,370
Consultant Services	\$328,830
<b>TOTAL</b>	<b>\$2,260,000</b>

#### O&M COSTS

	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$0	\$0	\$0
Maintenance Expenses	\$26,261	\$26,261	\$27,575
<b>TOTAL O&amp;M COSTS</b>	<b>\$26,261</b>	<b>\$26,261</b>	<b>\$27,575</b>



PRIORITY **FWP-10**

**LOWER YELLOWSTONE ACCESS**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$4,000,000**

Project is to acquire and develop recreational access sites on the Lower Yellowstone River.

Public access sites on the lower Yellowstone river are limited and often with considerable distance between them. The intent would be to try to establish additional sites in the areas that currently have limited access. Moving forward with acquiring and developing additional access sites on the Lower Yellowstone would secure sites to complete a goal of establishing public recreation sites on an under utilized part of the river and help provide additional economic benefit to the communities along the river.



FUNDING	
State Special Revenue	\$4,000,000
<b>TOTAL</b>	<b>\$4,000,000</b>

ESTIMATED PROJECT COSTS	
Land Acquisition	\$1,520,000
Construction Costs	\$2,080,000
Consultant Services	\$400,000
<b>TOTAL</b>	<b>\$4,00,000</b>

PRIORITY **FWP-11**

SHOOTING RANGES STATEWIDE

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$2,500,000

Project is to use state and federal matching funds for the development of public shooting ranges statewide.

Lack of opportunities for public participation and education in shooting sports in a safe, controlled environment.

Using a limited amount of state funds to match federal funding for shooting sports will allow additional shooting ranges and needed improvements to be provided to the public at minimal costs to the state.

FUNDING	
State Special Revenue	\$250,000
Federal Special Revenue	\$2,250,000
<b>TOTAL</b>	<b>\$2,500,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,125,000
Consultant Services	\$375,000
<b>TOTAL</b>	<b>\$2,500,000</b>



PRIORITY **FWP-12**

MONTANA WILD AVIAN REHABILITATION BUILDING

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$600,000

The proposed project is to expend funds from private donations and grants to develop a housing and rehabilitation building for wild birds, primarily raptors at the existing Fish Wildlife and Parks Rehabilitation Center.

Currently the Wildlife Center has 19 education birds, rehabilitates 150-200 animals annually and makes over 25,000 public contacts with its live bird education programs, but each year the demand keeps growing and the center is struggling to meet the increased demand and providing adequate housing for its education and rehabilitation birds. Current housing is not meeting the minimum standards set forth by the National Wildlife Rehabilitation association, the US Fish & Wildlife Service, and the Association of Aquarium & Zoos. The new education bird enclosures would meet these standards as well as provide more access for public viewing, increasing the opportunity for the public to engage with these amazing representations of their species.

Montana Wild’s Wildlife Rehabilitation Center needs new education and rehabilitation bird enclosures both of which will be housed in one structure.

FUNDING	
Authority Only	\$600,000
<b>TOTAL</b>	<b>\$600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$540,000
Consultant Services	\$60,000
<b>TOTAL</b>	<b>\$600,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$4,000	\$4,250	\$4,250
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$4,000</b>	<b>\$4,250</b>	<b>\$4,250</b>

PRIORITY FWP-13

GRANT PROGRAMS

DEPARTMENT OF FISH, WILDLIFE & PARKS

\$9,390,000

This project involves four individual grant programs:

**The Off-Highway Vehicle (OHV) Grants** (State) provides funds to qualified applicants statewide, including local community clubs and federal agencies that manage OHV recreation. Typical projects include the maintenance of existing OHV trails, safety/ethics/education projects, mapping, and similar efforts. Funding for the program is provided from an apportionment formula of 1/8 of a 1% rebate from the state fuel tax, as well as a portion of OHV registration and decal fees.

**The Recreational Trails Program Grants (RTP)** (Federal) provide federal funding for numerous projects benefiting public recreational trails and related facilities statewide. Specific components of the program include motorized, non-motorized, and diversified use trail projects. Grants are awarded to eligible statewide projects based upon the recommendations of a citizens advisory committee and an established grant process. Funds from this grant program are available to local communities, towns/cities, governmental land management agencies, and to private clubs (Back Country Horsemen, cross-country ski clubs, etc.). Typical projects include the maintenance of existing trails, the development of local community trail systems, the grooming of snowmobile trails, and general improvements that benefit public trail systems and opportunities statewide. No other program or funding source of this type exists within the state. The RTP funding is critical for Montana communities and outdoor recreation in general, with the program’s grants becoming more competitive each year.

**The Land and Water Conservation Fund (LWCF) Program** (Federal) provides funding to Montana

for outdoor recreation projects. Each state has a recognized sponsoring agency that is eligible to receive the federal LWCF funds. For Montana, the designated state agency is Fish, Wildlife & Parks. The source of the funds is from a royalty tax received from the proceeds from federal offshore oil and gas leases. The funds are granted to local communities or utilized within the State Park system for outdoor recreation projects such as facility replacement and renovation. The LWCF program requires a 1:1 match with non-federal funds. In addition to local governmental entities (Montana’s cities, towns, counties, etc.) being eligible to receive these funds through a grant program administered by Fish, Wildlife & Parks, individual state park projects are also eligible recipients of a portion of these funds.

**The Trails and Recreational Facilities Grant Program** Established in SB24 in the 2019 session, the grant program provides funding for new trail and shared-use path construction, rehabilitation and maintenance of existing trails and paths, trailside and trailhead facilities. Projects may include bridges, fencing, parking, bathrooms, latrines, picnic shelters, interpretation, trail signs, and trailside weed management. Funds may be granted to city, county, tribal governments, school districts, recreational clubs and organizations, state, and federal agencies.

FUNDING	
State Special Revenue	\$3,390,000
Federal Special Revenue	\$6,000,000
<b>TOTAL</b>	<b>\$9,390,000</b>

ESTIMATED PROJECT COSTS	
Other	\$9,390,000
<b>TOTAL</b>	<b>\$9,390,000</b>

PRIORITY **FWP-14**

DIVERSIFIED LODGING

DEPARTMENT OF FISH, WILDLIFE & PARKS  
\$500,000

This project will install a mixture of diversified lodging opportunities for the public at several water-based parks statewide. These may include yurts, wall tents, and unique prefabricated cabins and small houses. These alternative lodging facilities are intended to accommodate visitors who may desire a different experience than a conventional campsite.

With increased visitation to state parks, many visitors are seeking alternative or unique lodging opportunities. At many locations space is available to place a limited number of facilities such as yurts, designated wall tents, and cabin-type structures as rental units available to the public. In other state park systems these unique lodging opportunities are popular. They the added benefit of introducing families to Montana’s state park system who may utilize them rather than a conventional campsite.

It is anticipated that these unique additions will be well received and utilized by the public. An added benefit will be the opportunity for camping to begin earlier in the season and extend later in the fall for those members of the public who choose these facilities. The addition of diversified lodging structures at select water-based parks will complement the existing camping opportunities currently available. The structures will be placed at locations where public camping, staff, park infrastructure are currently in-place.

FUNDING	
State Special Revenue	\$500,000
<b>TOTAL</b>	<b>\$500,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$450,000
Consultant Services	\$50,000
<b>TOTAL</b>	<b>\$500,000</b>

## PRIORITY FWP-15

### MILLTOWN STATE PARK

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$250,000**

In January 2020, the Department accepted a donation of approximately 30 acres of private land associated with the park. Public access into the site is contingent upon making improvements to be in compliance with railroad safety requirements. This includes fencing of the railroad right-of-way as well as designing/installing fall protection features to prevent debris from above falling on the pedestrian route below.

With the donation of the property, \$125,000 in private funding was provided to address the known public access safety needs, currently held in escrow. The estimated cost of the required improvements is approximately \$250,000. The project will involve retaining an engineering consultant, followed by publicly bidding the work of the improvements.



FUNDING	
State Special Revenue	\$125,000
Federal Special Revenue	\$125,000
<b>TOTAL</b>	<b>\$250,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$200,000
Consultant Services	\$50,000
<b>TOTAL</b>	<b>\$250,000</b>



## PRIORITY FWP-16

### FORT OWEN STATE PARK

#### DEPARTMENT OF FISH, WILDLIFE & PARKS

**\$390,000**

In late 2020 the Montana State Parks Foundation, - a private entity supporting the state park system, - secured private grant funding for improvements at this historic park. The anticipated work includes interpretation upgrades, the acquisition of an approx. 0.9-acre parcel for improved visitor parking, and various improvements associated with the site. This project will establish the necessary authority for the Department to utilize the private funds.

FUNDING	
Authority Only	\$390,000
<b>TOTAL</b>	<b>\$390,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$351,000
Consultant Services	\$39,000
<b>TOTAL</b>	<b>\$390,000</b>

PRIORITY **FWP-17**

**PARKS MAINTENANCE**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$2,500,000**

Montana’s state parks provide diverse recreational opportunities for residents and visitors to the state. Individual park sites provide nearly unlimited recreational opportunities, including boating and interpretation of Montana’s rich history.

Statewide projects include but are not limited to addressing park maintenance needs statewide, completing unanticipated maintenance projects, on-going road repairs, and miscellaneous improvements at qualifying boating sites.

This project will address infrastructure maintenance needs at state park sites, including the rehabilitation of existing facilities, repairs and maintenance, improvements to visitor services, employee & public safety enhancements, and other needs significant to Montana’s state park system.

Repair and maintenance of existing facilities will keep them in safe operational condition reducing the need for expensive major repairs or replacement in the future.

Statewide Parks maintenance projects will include:

- Addressing public health and safety issues
- Electrical upgrades
- Sign replacements
- Vandalism repairs
- Roof replacements
- Asphalt maintenance
- Hazard tree removal
- Emergency repairs, and similar maintenance efforts of existing infrastructure and facilities.

FUNDING	
State Special Revenue	\$2,500,000
<b>TOTAL</b>	<b>\$2,500,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,250,000
Consultant Services	\$250,000
<b>TOTAL</b>	<b>\$2,500,000</b>

PRIORITY **FWP-18**

**HATCHERY MAINTENANCE**

**DEPARTMENT OF FISH, WILDLIFE & PARKS**  
**\$7,600,000**

This project will address the major maintenance, replacement, and repair of infrastructure as needed or scheduled for the 10 state fish hatcheries across the state.

Preventative maintenance, modifications, and replacement of outdated systems like water pumps and chilling units are examples of problems this authority would address. For system efficiency the hatcheries would also replace worn out infrastructure that may be directly connected to the repair portion.

This is a normal biennial request that allows Fish, Wildlife and Parks to do repairs, maintenance, modifications, and construction on its hatcheries as necessary to prevent deterioration and failure of infrastructure.

FUNDING	
State Special Revenue	\$7,600,000
<b>TOTAL</b>	<b>\$7,600,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$7,600,000
<b>TOTAL</b>	<b>\$7,600,000</b>

PRIORITY DOJ-01

SCENARIO TRAINING BUILDING

MONTANA LAW ENFORCEMENT ACADEMY  
\$3,851,475

Public safety calls for service are rarely static encounters, requiring first responders to make decisions on the fly given the totality of the circumstances as they unfold before them in real time. For MLEA training staff, the challenge is to realistically replicate these encounters in a controlled environment in preparing students for duty when they return to their agencies and communities. Among the many challenges are the extreme weather-related restrictions Montana exposes students and training staff to when training outdoors as well as the need to replicate all aspects of a scenario call from dispatch to resolution in a fluid manner.

The MLEA scenario building will be a climate-controlled training environment housing a full-sized city street with curbs and sidewalks. The street is flanked by building facades that represent businesses and residences found in any police agencies jurisdiction. Complete with furniture and other items, these facades realistically replicate business and residential



settings. Students are dispatched to simulated, real-time calls and evaluated on a full range of scenario-based elements including problem solving, communications, application of law, ethics, use of force, survival skills, de-escalation techniques, community policing and diversity.

FUNDING	
State Special Revenue	\$3,851,475
<b>TOTAL</b>	<b>\$3,851,475</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$3,466,475
Consultant Services	\$385,000
<b>TOTAL</b>	<b>\$3,851,475</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$50,000	\$50,000	\$50,000
Maintenance Expenses	\$100,000	\$100,000	\$100,000
<b>TOTAL O&amp;M COSTS</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>





PRIORITY DMA-01

FT. HARRISON BARRACKS

DEPARTMENT OF MILITARY AFFAIRS  
\$6,000,000

This Project is 100% federally funded.

To maintain a Level III Training Site at Fort Harrison, more billeting facilities are needed. The project will include design and construction of the barracks and supporting infrastructure at Fort Harrison.

As part of the Fort Harrison’s Level III Training Site, we are required to be able to train multiple Battalions at the same time. Currently, we lack the billeting facilities to do so and as a result we risk losing the Level III designation. Loss of that would reduce manning, funding, and training at Fort Harrison which would have an impact on the State.



FUNDING			
Federal Special Revenue			\$6,000,000
TOTAL			\$6,000,000
ESTIMATED PROJECT COSTS			
Construction Costs			\$5,575,000
Consultant Services			\$425,000
TOTAL			\$6,000,000
O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$0	\$0	\$0
Maintenance Expenses	\$0	\$0	\$0
TOTAL O&M COSTS	\$0	\$0	\$0

\*O&M Costs 100% Federal

PRIORITY DMA-02

FT. HARRISON BUILDING 64 RTI ADDITION/REMODEL

DEPARTMENT OF MILITARY AFFAIRS  
\$2,164,500

This project will renovate 1,023 square feet of existing space in the Regional Training Institute Building 64 and will add an additional 2,363 square feet of new classroom space to support 30 students training for duty as Quartermasters. The facility will comply with current antiterrorism standards and will allow for accreditation increasing the number of soldiers training in Montana.

This project is fully designed and pending 100% federal funding. The current facility size does not support the requirement for an accredited RTI schoolhouse. RTI accreditation increases the number of soldiers visiting and training in Montana.



FUNDING	
Federal Special Revenue	\$2,164,500
<b>TOTAL</b>	<b>\$2,164,500</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,942,500
Consultant Services	\$222,000
<b>TOTAL</b>	<b>\$2,164,500</b>

PRIORITY DMA-03

FORT HARRISON BLDG 1001 DRAW YARD

DEPARTMENT OF MILITARY AFFAIRS  
\$811,980

The current lack of secured compounds causes training inefficiencies and reduces unit readiness. This project will create multiple secured compound sections with an 8-foot-tall chain link fence, security gates and gravel base. It will be located across the street from the Unit Training Equipment Site and will be used by transient units to secure equipment and vehicles.

Currently when units train at Fort Harrison they have no place to draw equipment, store equipment or turn in equipment for their training rotation. As a result of being unable to secure their vehicles and other equipment, units must remove all gear at the end of training and then re-install required gear prior to the start of the next training event. This results in significant training inefficiencies which has a direct impact on the readiness of the Montana Army National Guard. The proposed draw yard project will remedy the existing challenges and improve training operations.



FUNDING	
Federal Special Revenue	\$811,980
<b>TOTAL</b>	<b>\$811,980</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$728,700
Consultant Services	\$83,280
<b>TOTAL</b>	<b>\$811,980</b>

PRIORITY DMA-04

FORT HARRISON RAIL HEAD YARD

DEPARTMENT OF MILITARY AFFAIRS  
\$811,980

Provide a paved/surfaced secure compound space for military vehicles and equipment including M2 Bradley infantry fighting vehicles and M1 Abrams tanks. This will provide security during mobilization operations and improve efficiencies, enhance troop safety, and reduce the risk of damage, theft or vandalism of sensitive military equipment.

Units that are loading or unloading vehicles and equipment on the train require a yard to secure storage at Fort Harrison. The yard is currently unsecured. This rail head yard will provide the necessary protection and security for the vehicles and equipment during mobilization/demobilization operations.



FUNDING	
Federal Special Revenue	\$811,980
<b>TOTAL</b>	<b>\$811,980</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$728,700
Consultant Services	\$83,280
<b>TOTAL</b>	<b>\$811,980</b>



PRIORITY DMA-05

LIMESTONE HILLS TRAINING AREA BARRACKS #1

DEPARTMENT OF MILITARY AFFAIRS  
\$2,164,500

This project will build barracks for soldiers at Limestone Hills training area, which is a requirement of a level III Training Site. Currently there are no barracks at Limestone Hills training area.

Construct one barracks facility to provide 160 open bay billets and 8 1+1 billets to the transient troop infrastructure. To reduce costs, this project is intended as an austere building, much less finished than similar buildings planned at Fort Harrison. This building should be constructed near the existing UTES forward building.

Fort Harrison is a Level III Training Site and is composed of the Fort Harrison cantonment area, the Fort Harrison training area and the Limestone Hills training area. Compliant barracks for visiting units is a key requirement of a Level III Training Site. We are currently 70% deficient in this area and failure to address this shortfall could result in the loss of the level III status. This would have a catastrophic effect on the training and readiness of the National Guard soldiers as well as an adverse impact upon the local economy dependent upon transient troops training in Montana.



FUNDING	
Federal Special Revenue	\$2,164,500
<b>TOTAL</b>	<b>\$2,164,500</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$1,942,500
Consultant Services	\$222,000
<b>TOTAL</b>	<b>\$2,164,500</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$0	\$0	\$0
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

\*O&M Costs 100% Federal

PRIORITY DMA-06

FEDERAL SPENDING AUTHORITY

DEPARTMENT OF MILITARY AFFAIRS  
\$3,000,000

This appropriation allows for federal funds to be used for repair, maintenance, and facility improvements projects on all Department of Military Affairs facilities statewide.

Funds become available to the state from the federal government. These funds can be used to match existing funds or to fund projects authorized by the federal government. If we do not have the spending authority these funds may have to be turned back.

Various times of the year the federal government authorizes funds for new minor construction and maintenance projects. This appropriation will allow the state to accept federal funds to help implement our construction program.

FUNDING	
Federal Special Revenue	\$3,000,000
TOTAL	\$3,000,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,500,000
Consultant Services	\$500,000
TOTAL	\$3,000,000

PRIORITY MUS-01

FORESTRY CONSERVATION & SCIENCE LAB

UNIVERSITY OF MONTANA  
\$45,000,000

The proposed project consolidates all the forestry programs into one facility and provides state of the art science lab teaching facilities for campus. The facility will house the entirety of the W.A. Franke College of Forestry and Conservation and will also provide laboratory science active-learning spaces hosting most core science courses offered to virtually all of University of Montana’s students.



The building will include state-of-the-art research and science teaching laboratories (and support), teaching spaces, faculty offices, as well as meeting space. The facility will also include site work, including integration with campus movement systems, landscape, and parking. A key component of the facility is its showcase potential as a demonstration of cross laminated timber (CLT) construction, which supports key industries throughout the state. Additionally, the facility will be designed to a high environmental standard (LEED certification) with energy conservation and efficiency at its core.

The facility will solidify UM’s preeminent position in Forestry and Conservation, increasing

recruitment and retention of top students from across the state, the country, and the world – particularly those seeking to study fields related to health and STEM, including sustainability and natural resources. This investment is a key part of UM’s desire to break down silos as shared laboratory and teaching spaces bring together faculty and students from across colleges and disciplines.

FUNDING	
LRBP Bonds	\$25,000,000
Authority Only	\$20,000,000
TOTAL	\$45,000,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$42,590,000
Consultant Services	\$2,410,000
TOTAL	\$45,000,000

O&M COSTS			
	2023	2025	2027
FTE	0	6.46	6.46
Personal Services	\$447,811	\$447,811	\$936,329
Operating Costs	\$505,644	\$505,644	\$1,057,251
Maintenance Expense	\$703,988	\$703,998	\$1,471,990
TOTAL O&M COSTS	\$1,657,453	\$1,657,453	\$3,465,570

Providing state-of-the-art hands-on experiences in the sciences requires laboratory activities in modern spaces designed for active, accessible, and collaborative laboratory learning. The quality of science teaching laboratory spaces factors heavily into recruitment and retention of undergraduate students across STEM and health disciplines. At present, UM's science teaching laboratories are outdated and do not meet minimums for effective learning and are potentially unsafe. A recent program review of chemistry noted: "The instructional facilities, both lecture halls and laboratories, are inadequate for safe, efficient, modern instruction". The new facility will address the following critical needs:

1. Existing teaching labs are often in buildings that are not accessible or at best difficult to access for those with physical disabilities.
2. Some existing teaching labs serving thousands of students per year are in buildings never designed for modern science instruction and thus lack even the most basic utilities: hot water, vacuum lines, natural gas and compressed air supplies, and adequate (or any) ductwork for chemical ventilation.
3. Several of the buildings that house science teaching labs lack central air conditioning and are thus not suitable for summer teaching.
4. Growth in demand for natural science courses and degrees has required the addition of many new lab courses, creating increasing stress on existing lab teaching spaces and support personnel, or requiring that labs be taught in the research spaces of tenure-track faculty.

The facility will turn what is presently a weakness for a key area into one of UM's greatest strengths: a modern facility that brings together students from across the sciences, engaging them in interactive, hands-on activities with the latest equipment, spaces and technologies. Having the chemicals, glassware, microscopes, molecular and microbiology equipment, autoclaves, and staff all centralized in a single building will make everything from ordering to maintenance more efficient. This will be a learning



hub for current students, and a go-to place to bring both prospective students and donors.

Outstanding strength in forestry, conservation, and the sciences has long been a hallmark of a UM education, and maintaining this strength requires continual investment. This interdisciplinary facility will break down the silos experienced by UM students today, bringing into one area the classrooms, technologies, and activities that are central to modern science learning. An investment in the facility demonstrates our commitment to student success and driving excellence and innovation in teaching, learning, and research.

The Franke College has grown rapidly from 426 students in 2011 to 786 students in 2019. Its 42 faculty are currently distributed across eight different buildings on the UM campus. The new facility will co-locate its academic and research activities under one roof and create central gathering facilities that will be available for use by the Franke College and the entire UM community. By co-locating all members of the Franke College in the facility, UM will be able to re-purpose or eliminate less efficient spaces across the campus. In addition, this would allow for Clapp Building to repurposed after rehabilitation.



PRIORITY MUS-02

RESEARCH & WOOL LABORATORIES

MONTANA STATE UNIVERSITY - AG EXPERIMENT STATION  
\$12,300,000

Construct five Chemistry and Instrumentation Research Laboratories at CARC, NARC, NWARC, SARC and WTARC, one Horticulture Research and Teaching Building at WARC, and one multidisciplinary Wool Laboratory to support the Montana Agricultural Experiment Stations’ (MAES) Lab-To-Field Development Plan. The requested facilities would address three highest-priority objectives for MAES capital development. The facilities will:

(1) replace outdated facilities that limit the speed and degree of innovation with which research can be conducted

(2) ensure that modern safety standards are fully met and that state-of-the-art research can be conducted to cost-effectively address unique, Montana-specific issues, especially those falling within the grand challenge areas, and

(3) leverage state-of-the-art facilities to recruit the best faculty and graduate students and enable new and existing scientists to be significantly more competitive for regional and federal-level grants and partnerships, further increasing the return on Montana’s investment in MAES. The research infrastructure development requests reflect the integrated investment strategy of the Montana Agricultural Experiment Station.

PART I: WOOL LABORATORY

Construction of a new comprehensive wool research laboratory to continue outreach education for Montana’s wool growers and launch new collaborative research to become a global leader. This facility is unique due to the various services and research it currently conducts. It currently has two labs, the analytical and wet labs which analyze the quality of wool fibers for growers around the country. Over the last 75 years this research has been the reason

for increased profits and yields for growers. Future research opportunities will elevate this facility to be a center of excellence as a global leader of the wool industry. From ecology cover crops, genetics, government contracts for uniforms, textile cold weather research, lanolin medicinal uses and advanced textile

FUNDING	
LRBP Bonds	\$11,000,000
Authority Only	\$1,300,000
TOTAL	\$12,300,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$11,070,000
Consultant Services	\$1,230,000
TOTAL	\$12,300,000

O&M COSTS			
	2023	2025	2027
FTE	0	1.45	1.45
Personal Services	\$100,369	\$100,369	\$209,861
Operating Costs	\$120,735	\$120,735	\$252,445
Maintenance Expenses	\$194,603	\$194,603	\$406,895
TOTAL O&M COSTS	\$415,707	\$415,707	\$869,201

manufacturing capabilities.

The continued outreach and growers' support is essential for the industry's future generations to continue. The facility will have outreach classroom space within and large amounts of storage for field equipment. To support smaller Montana grower operations a scouring room and processing has been included, which can also be used as an instructional space.

## **PART II: CHEMISTRY & INSTRUMENTATION RESEARCH LABORATORIES**

Construction of new laboratory facilities at WTARC, SARC, NARC, NWARC and CARC. These heated/cooled laboratories should have modern chemistry type fume hoods, required worker safety equipment, chemical resistant counter tops for use as wet chemistry labs, and sufficient electrical and HVAC infrastructure to accommodate modern laboratory equipment, growth chambers, seed germinators, soil and plant grinders etc.

Current research lab facilities at CARC are in an old dairy barn that does not meet current life-safety codes and standards. Those at NWARC are in a converted garage where again the facilities would never pass inspection for current electrical and worker safety standards. Facilities at WTARC are extremely crowded and are not suitable for the modern research that is being conducted. The current WTARC facilities are a serious impediment to development of competitive research projects. At SARC, current facilities are extremely crowded and there is no room for growth chambers and clean facilities for molecular work. At NARC, there are inadequate facilities for wet chemistry and molecular work that is currently critical to both animal and crop scientist faculty. This facility should be attached to the main facility building.

## **PART III: HORTICULTURE RESEARCH & TEACHING LABORATORY**

WARC is 108 years old and current facilities are outdated, unsafe and unsuited for the new horticulture research mission requested by the WARC advisory committee. The research center is staffed with two scientists, both associated

with a new mission—horticulture research that can greatly increase the productivity and profitability of western Montana agricultural producers. We are requesting a facility will greatly enhance the ability to accomplish this new research mission and recruit and retain first rate scientists. In addition, it will provide for greatly improved transfer of research to the rapidly growing numbers of horticultural crop producers in the region.

PRIORITY **MUS-03**

**AUTHORITY ONLY - MUSIC BUILDING RENOVATIONS**

UNIVERSITY OF MONTANA  
\$6,000,000

This request for spending authority would help secure up to six million in private funds for the remodeling of the existing facility which would address the current accreditation issue.

The Music Building was built in 1953 and has not had any major improvements or modernization work done on it. This infrastructure upgrade request would provide life safety and deferred maintenance work for the Music Building.

Securing state funding for life safety & deferred maintenance work allows the Music Department to seek private funding to address other maintenance issues as well as classroom and rehearsal space modernization efforts.

FUNDING	
Authority Only	\$6,000,000
TOTAL	\$6,000,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$5,380,000
Consultant Services	\$620,000
TOTAL	\$6,000,000

PRIORITY **MUS-04**

**AUTHORITY ONLY - RANKIN HALL RENOVATIONS**

**UNIVERSITY OF MONTANA**  
**\$6,000,000**

This general authority only request will cover up to six million in private funds for the remodeling of the existing facility which would address the current accreditation issue as well as life safety, deferred maintenance work and modernization to meet current building codes and ADA standards.

Rankin Hall was built in 1909 and has not had any major improvements or modernization work done on it. This request would provide the necessary spending authority to cover the private gifts that will fund the renovations.

Securing spending authority allows the University of Montana to seek private funding up to six million dollars to address the renovations.



FUNDING	
Authority Only	\$6,000,000
<b>TOTAL</b>	<b>\$6,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$5,380,000
Consultant Services	\$620,000
<b>TOTAL</b>	<b>\$6,000,000</b>



PRIORITY **MUS-05**

**AUTHORITY ONLY - MANSFIELD LIBRARY RENOVATION**

UNIVERSITY OF MONTANA  
\$6,000,000

This spending authority request will cover up to six million in private funds for the remodeling of the existing facility which would address the necessary renovations to repurpose the existing stack space for journals into beneficial instructional space. In addition, the project will address life safety, deferred maintenance work and modernization to meet current use, building codes and ADA standards.

The Mansfield Library was built in the early 1970's and has not had any major improvements or modernization work done. This request would provide the necessary spending authority to cover the private gifts that will fund the renovations.

FUNDING	
Authority Only	\$6,000,000
<b>TOTAL</b>	<b>\$6,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$5,380,000
Consultant Services	\$620,000
<b>TOTAL</b>	<b>\$6,000,000</b>

PRIORITY MUS-06

AUTHORITY ONLY - INSTRUCTIONAL SPACE UPGRADES

MONTANA STATE UNIVERSITY  
\$2,000,000

Requesting additional authority to upgrade and maintain instructional classrooms, labs, and computer labs across campus.

Montana State University is requesting \$2,000,000 in authority to continue upgrading dated instructional spaces on campus and transform those spaces into modern teaching and learning environments.

The Montana State University campus is composed of a mosaic of architecture, new and old. Some older academic buildings and their instructional spaces remain untouched and in dire need of updates to support student learning. Spaces include computer labs, lecture halls, classrooms, and various instructional labs where modern technology and pedagogies have surpassed the capacity and capabilities of the existing instructional space. This authority only request would support the continued improvements to student learning environments.

While the University’s Classroom Committee has made significant headway on guiding the renovation of antiquated instructional spaces, there remains many opportunities to upgrade dated classrooms and labs and transform them into modern spaces of learning that meet today’s teaching needs. The renovations will provide opportunity to upgrade major building systems, including mechanical, electrical, and networking components, address life safety and fire suppression issues, energy efficiency, accessibility improvements, replace obsolete and worn out furniture and finishes, and upgrade technology.

FUNDING	
Authority Only	\$2,000,000
<b>TOTAL</b>	<b>\$2,000,000</b>

ESTIMATED PROJECT COSTS	
Other	\$2,000,000
<b>TOTAL</b>	<b>\$2,000,000</b>

PRIORITY MUS-07

AUTHORITY ONLY - RENNE LIBRARY RENOVATIONS

MONTANA STATE UNIVERSITY  
\$5,000,000

This project will substantially renovate, reprogram, and modernize parts of Renne Library to support student success and meet the vision of a 21st century academic learning center. The project supports students and faculty research by transforming areas of the library into modern spaces that focus on how students and faculty learn, create, and share knowledge in the age of digital technology and collaboration.

Parts of the current library are dated and need upgrading in order to meet modern programmatic standards. The modernization and reprogramming of the library will result in a library that is positioned for the next 20-40 years supporting today's needs of student learning and faculty research.

Located in a prominent location of campus, Renne Library was built in 1949, and was added to in 1961 providing a total of 158,000 gross square feet. The last major renovation was completed in 2001 with a series of smaller renovation projects that followed to improve seating, technologies and services for students, faculty, staff, and community. In addition to the library use, a portion of the department of the university information technology (ITC) is housed in the library, including the primary data center for campus.

In 2015, a library master plan was initiated to identify the needs of the library and to develop an overall plan to serve the changing role of the library for the campus. It was determined that MSU's student to library square footage ratio is significantly lower compared to peer institutions and proposed renovations to accomplish the

following:

- Articulate current/future best practices in pedagogy and scholarship, information, and content management
- Identify new roles such as the organization and production of content
- Provide a road map for the organization, layout, and use of the physical and digital space
- Provide a road map for the deployment of technology that will best support the library and ITC for the next 10-20 years

FUNDING	
Authority Only	\$5,000,000
<b>TOTAL</b>	<b>\$5,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	4,500,000
Consultant Services	500,000
<b>TOTAL</b>	<b>\$5,000,000</b>

PRIORITY MUS-08

AUTHORITY ONLY - MT MUSEUM FOR ART & CULTURE

UNIVERSITY OF MONTANA  
\$2,000,000

This request is for a \$2,000,000 increase in general spending authority to supplement the \$6,000,000 in authority only previously approved in the 59th legislative session.

The proposed Montana Museum of Art & Culture building will provide a permanent facility for one of the state’s oldest and most prominent cultural reserves. The Museum exhibits and preserves works of art for the education of students, for study by research professionals and for the enjoyment of the public. The Permanent Collection of the Museum, begun in 1894, now includes more than 9,000 original works.

At present, gallery facilities allow the Museum to display only one-half of one percent of holdings at one time. As well, storage areas housing the Permanent Collection are crowded and insufficient to meet accreditation standards. The envisioned facility will incorporate display, space for preservation and conservation, exhibit preparation space as well as a lecture hall equipped to accommodate classes, symposia, and public lectures. The vision includes a series of galleries, classrooms, office spaces and significant storage areas. The authority requested for this project reflects inflation costs and the costs associated with the necessary site adaptation. Increasing the project authority will be beneficial to the project because inflation costs have adversely impacted the budget to the point to where previously programmed space will have to be eliminated.

FUNDING	
Authority Only	\$2,000,000
<b>TOTAL</b>	<b>\$2,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$2,000,000
Consultant Services	\$0
<b>TOTAL</b>	<b>\$2,000,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0.82	0.82	0.82
Personal Services	\$28,525	\$119,286	\$119,286
Operating Costs	\$32,060	\$134,067	\$134,067
Maintenance Expenses	\$57,436	\$240,187	\$240,187
<b>TOTAL O&amp;M COSTS</b>	<b>\$118,021</b>	<b>\$493,540</b>	<b>\$493,540</b>



PRIORITY **MUS-09**

GENERAL SPENDING AUTHORITY

MONTANA UNIVERSITY SYSTEM  
\$20,000,000

Needed to address pressing issues between legislative sessions. May include federal, donations, grants, and other non-state funds. OCHE will distribute in accordance with BOR approval and priorities.

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

All of the projects in this request exceed the \$150,000 limitation of construction in 18-2-102MCA and are needed by the University System to address programmatic needs, which in large part cannot be funded by the state. The University System is pursuing gifts, grants, in-kind donations, and identification of local funds to fund these projects and will require State authority to accept and / or spend.

General Spending Authority is requested from the State to be granted to the Montana University System to construct and administer projects on State facilities exceeding \$150,000. This spending authority request is made to allow an option for the University System to address pressing issues not able to be funded by the state in a timely fashion. The funding could be from (Federal Special, revenue, donations, grants, or Higher Education funds). Operation and Maintenance will not be requested because of any projects utilizing this spending authority. The projects could be major maintenance,

new construction, renovations, ADA, and code compliance upgrades or other project elements necessary to complete the projects.

FUNDING	
Authority Only	\$20,000,000
TOTAL	\$20,000,000

ESTIMATED PROJECT COSTS	
Construction Costs	\$20,000,000
Consultant Services	\$0
TOTAL	\$20,000,000

## PRIORITY MDT-01

# TERRY EQUIPMENT STORAGE BUILDING

## DEPARTMENT OF TRANSPORTATION

**\$400,000**

The project will construct a 3-bay Equipment Storage Building with no office or rest room at the current MDT Section site located at 604 South Courtenay Street, Terry, MT.

The existing Terry equipment storage building is over 50 years old and is too small for modern-day snowplow equipment. The ESB structure experiences high humidity during storm events that causes mold development and other environment problems.

A new ESB structure will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



FUNDING	
State Special Revenue	\$400,000
<b>TOTAL</b>	<b>\$400,000</b>

ESTIMATED PROJECT COSTS	
A&E Supervisory Fees	\$12,000
Construction Costs	\$348,000
Consultant Services	\$40,000
<b>TOTAL</b>	<b>\$400,000</b>

O&M COSTS				
	2023	2025	2027	
FTE	0	0	0	
Personal Services	\$0	\$0	\$0	
Operating Costs	\$3,500	\$3,750	\$4,000	
Maintenance Expenses	\$2,000	\$2,500	\$2,850	
<b>TOTAL O&amp;M COSTS</b>	<b>\$5,500</b>	<b>\$6,250</b>	<b>\$6,850</b>	

PRIORITY **MDT-02**

**WHITE SULPHUR SPRINGS EQUIPMENT STORAGE BLDG**

**DEPARTMENT OF TRANSPORTATION**  
**\$1,250,000**

This project will construct an 8-bay Equipment Storage Building with office and rest room at the current MDT Section site near White Sulphur Springs.

The existing White Sulphur Springs equipment storage building is over 50 years old and is too small for modern-day snowplow equipment and does not have adequate office, crew room and rest room facilities. The ESB structure experiences high humidity during storm events that causes mold development and other environment problems.

A new ESB structure will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



FUNDING	
State Special Revenue	\$1,250,000
<b>TOTAL</b>	<b>\$1,250,000</b>

ESTIMATED PROJECT COSTS	
A&E Supervisory Fees	\$37,500
Construction Costs	\$1,087,500
Consultant Services	\$125,000
<b>TOTAL</b>	<b>\$1,250,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$7,024	\$7,235	\$7,452
Maintenance Expenses	\$6,500	\$8,450	\$9,750
<b>TOTAL O&amp;M COSTS</b>	<b>\$13,524</b>	<b>\$15,685</b>	<b>\$17,202</b>

PRIORITY **MDT-03**

PHILIPSBURG EQUIPMENT STORAGE BUILDING

DEPARTMENT OF TRANSPORTATION  
\$825,000

This project will construct a 5-bay Equipment Storage Building with office and rest room at the current MDT Section site located at 3798 MT Hwy 1, Philipsburg, MT.

The existing Philipsburg equipment storage building over 50 years old and is too small for modern-day snowplow equipment and does not have adequate office, crew room and rest room facilities. The ESB structure experiences high humidity during storm events that causes mold development and other environment problems

A new ESB structure will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



FUNDING	
State Special Revenue	\$825,000
<b>TOTAL</b>	<b>\$825,000</b>

ESTIMATED PROJECT COSTS	
A&E Supervisory Fees	\$24,750
Construction Costs	\$717,400
Consultant Services	\$82,850
<b>TOTAL</b>	<b>\$825,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$7,500	\$7,800	\$8,300
Maintenance Expenses	\$2,500	\$8,300	\$3,000
<b>TOTAL O&amp;M COSTS</b>	<b>\$10,000</b>	<b>\$16,100</b>	<b>\$11,300</b>



## PRIORITY MDT-04

# CUSTER EQUIPMENT STORAGE BUILDING

## DEPARTMENT OF TRANSPORTATION

**\$825,000**

This project will construct a 5-bay Equipment Storage Building with office and rest room at the current MDT Section site located at ,109 3rd Ave, Custer, MT.

The existing Custer equipment storage building is over 50 years old and is too small for modern-day snowplow equipment and does not have adequate office, crew room and rest room facilities. The ESB structure experiences high humidity during storm events that causes mold development and other environment problems

A new ESB structure will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



FUNDING	
State Special Revenue	\$825,000
<b>TOTAL</b>	<b>\$825,000</b>

ESTIMATED PROJECT COSTS	
A&E Supervisory Fees	\$24,750
Construction Costs	\$717,400
Consultant Services	\$82,850
<b>TOTAL</b>	<b>\$825,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$7,500	\$7,800	\$8,300
Maintenance Expenses	\$2,500	\$2,650	\$3,000
<b>TOTAL O&amp;M COSTS</b>	<b>\$10,000</b>	<b>\$10,450</b>	<b>\$11,300</b>

## PRIORITY MDT-05

### HAVRE WELDING SHOP

**DEPARTMENT OF TRANSPORTATION**  
**\$400,000**

This project will construct a new welding shop building at the current location in Havre. The existing structure is too small to accommodate the new larger equipment forcing welding activities outdoors. The new facility will have updated and efficient lighting and mechanical systems. The existing structure will be demolished.

The existing facility will not safely accommodate a plow truck, forcing welding activities outdoors. The current facility does not have adequate lighting or mechanical systems for welding and fabrication activities which are vital to keep MDT's aging fleet in good repair.

New welding facilities will be more efficient, safer and energy saving than the existing structure. A larger shop will accommodate modern equipment for easier and safer maintenance, healthier interior environment, and efficient working space for employees.



#### FUNDING

State Special Revenue	\$400,000
<b>TOTAL</b>	<b>\$400,000</b>

#### ESTIMATED PROJECT COSTS

A&E Supervisory Fees	\$12,000
Construction Costs	\$348,000
Consultant Services	\$40,000
<b>TOTAL</b>	<b>\$400,000</b>

#### O&M COSTS

	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$5,500	\$5,800	\$6,000
Maintenance Expenses	\$2,500	\$2,600	\$3,000
<b>TOTAL O&amp;M COSTS</b>	<b>\$8,000</b>	<b>\$8,400</b>	<b>\$9,000</b>



## PRIORITY MDT-06

# BILLINGS WELDING SHOP / TOW PLOW STORAGE

## DEPARTMENT OF TRANSPORTATION

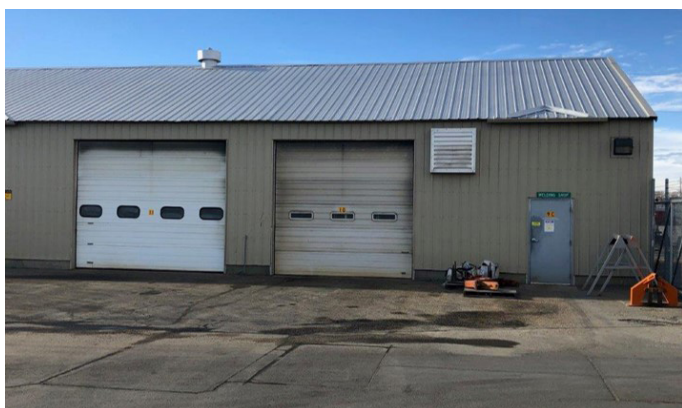
**\$650,000**

This project will construct a new welding shop with tow plow storage bay building in Billings. The existing structure will be demolished.

The existing structure is too small to accommodate the new, larger and does not have adequate lighting or mechanical systems for welding and fabrication activities which are vital to keep MDT's aging fleet in good repair.

New welding facilities will be more efficient and more safe than the existing structure. A larger shop will accommodate modern equipment for easier and safer maintenance, healthier interior environment, and efficient working space for employees. The building will also have a storage bay to house a tow plow for the Billings Division.

A new welding shop will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



### FUNDING

State Special Revenue	\$650,000
<b>TOTAL</b>	<b>\$650,000</b>

### ESTIMATED PROJECT COSTS

A&E Supervisory Fees	\$19,500
Construction Costs	\$565,500
Consultant Services	\$65,000
<b>TOTAL</b>	<b>\$650,000</b>

### O&M COSTS

	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$7,500	\$7,800	\$8,500
Maintenance Expenses	\$2,500	\$2,800	\$3,400
<b>TOTAL O&amp;M COSTS</b>	<b>\$10,000</b>	<b>\$10,600</b>	<b>\$11,900</b>



PRIORITY **MDT-07**

HARLEM EQUIPMENT STORAGE BUILDING

DEPARTMENT OF TRANSPORTATION  
\$915,000

This project will construct a 6-bay Equipment Storage Building with office and rest room at a new site in Harlem MT.

The existing Harlem equipment storage building is over 50 years old and is too small for modern-day snowplow equipment and does not have adequate office, crew room and rest room facilities. The ESB structure experiences high humidity during storm events that causes mold development and other environment problems

A new ESB structure will be more efficient, safer and energy efficient and will accommodate modern equipment for easier and safer maintenance, a healthier interior environment, and efficient working space for employees.



FUNDING	
State Special Revenue	\$915,000
<b>TOTAL</b>	<b>\$915,000</b>

ESTIMATED PROJECT COSTS	
A&E Supervisory Fees	\$27,500
Construction Costs	\$796,000
Consultant Services	\$91,500
<b>TOTAL</b>	<b>\$915,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$8,400	\$8,650	\$9,000
Maintenance Expenses	\$2,500	\$2,700	\$3,000
<b>TOTAL O&amp;M COSTS</b>	<b>\$10,900</b>	<b>\$11,350</b>	<b>\$12,000</b>



PRIORITY **MDT-08**

LINCOLN AIRPORT SNOW REMOVAL  
EQUIPMENT STORAGE BUILDING

DEPARTMENT OF TRANSPORTATION  
\$450,000

To accompany the purchase of snow removal equipment (SRE) for the Lincoln airport through Federal Aviation Administration (FAA) funding sources, a building is needed to house and protect the equipment. The FAA requires any equipment to be stored appropriately indoors.

This project would construct a building on the airfield to store snow removal equipment. The purchase of the snow removal equipment would coincide with the completion of the building and protect the new equipment. Both the equipment and the building will qualify for 90% funding by the FAA.



The 10% local match will be offset by Federal Cares grant money, leaving the State with no direct costs.



FUNDING	
Federal Special Revenue	\$450,000
<b>TOTAL</b>	<b>\$450,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$300,000
Consultant Services	\$150,000
<b>TOTAL</b>	<b>\$450,000</b>

O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$2,400	\$2,400	\$2,400
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$2,400</b>	<b>\$2,400</b>	<b>\$2,400</b>

PRIORITY **MDT-09**

**YELLOWSTONE AIRPORT TERMINAL**

**DEPARTMENT OF TRANSPORTATION**  
**\$10,000,000**

This project involves the complete replacement of the existing Terminal Building originally constructed in 1964 in West Yellowstone. The current building has served its useful life and is operationally inadequate for compliance with TSA and FAA requirements. The entire project will be funded 100% with Federal monies.

The new building will be approximately 30,000 sq/ ft. Although similar in size to the existing building, the new square footage will be rearranged to meet today’s standards, requirements, and better serve the flying public.



The existing building does not comply with current TSA requirements and will not be able to accommodate future requirements. The building does not adhere to current FAA design guidelines. Once completed, the traveling public will not only experience the FAA and TSA compliant terminal building but will also be introduced to Montana through an enhanced overall experience as they view the State of Montana upon entering the new terminal.



Existing materials from the old building are planned to be incorporated into the new building. Some of the old rock work will be carefully removed and repurposed into a tribute feature. The airport’s beacon tower and some original

FUNDING	
Federal Special Revenue	\$10,000,000
<b>TOTAL</b>	<b>\$10,000,000</b>

ESTIMATED PROJECT COSTS	
Construction Costs	\$10,000,000
Consultant Services	\$0
<b>TOTAL</b>	<b>\$10,000,000</b>

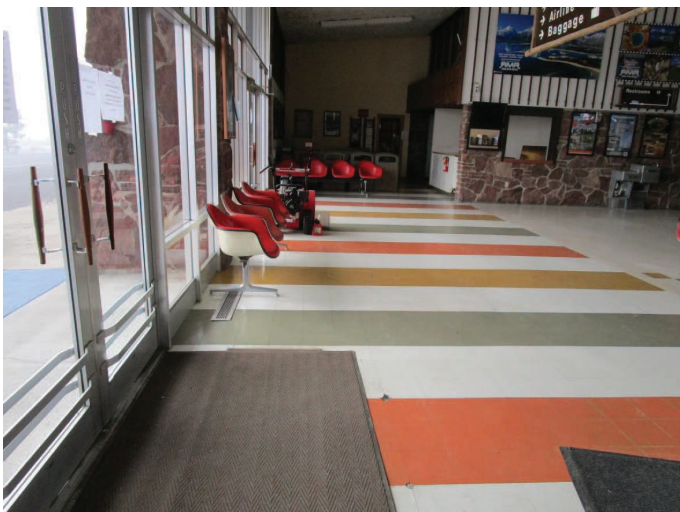
O&M COSTS			
	2023	2025	2027
FTE	0	0	0
Personal Services	\$0	\$0	\$0
Operating Costs	\$100,000	\$100,000	\$100,000
Maintenance Expenses	\$0	\$0	\$0
<b>TOTAL O&amp;M COSTS</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>



signage will be salvaged and used in the new terminal. An added feature the new terminal will have is an interior baggage claim. The existing terminal building's baggage claim is currently outside on the sidewalk exposing passengers and their luggage to inclement weather conditions on occasion. The new building will be more energy efficient and utility bills are projected to decrease by over 50%. The building will be LEED Certified.

As passenger traffic and overall commerce at the airport continues to grow year after year, it is additional carriers may add service to the airport. Current air carrier service is provided by Delta Airlines with two flights per day to Salt Lake City, UT. It is anticipated that sometime in 2021, a second airline, United Airlines with service to Denver may add flights to the airport.

The new terminal will be designed to accommodate current and future carrier service and will plan for future expansion of the airport as passenger traffic continues to grow and additional carriers offer service to the airport.



# SUMMARY OF ALL AGENCY REQUESTS

## STATEWIDE BY AGENCY 2022-2023





PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
OFFICE OF PUBLIC INSTRUCTION		
M	MT Learning Center Civil Infrastructure Upgrades	\$300,000
	<b>TOTAL: OPI</b>	<b>\$300,000</b>
DEPARTMENT OF JUSTICE		
C	MLEA Scenario Building	\$3,851,475
	<b>TOTAL: DOJ</b>	<b>\$3,851,475</b>
MONTANA UNIVERSITY SYSTEM		
C	UMW Renovation of Block Hall	\$12,000,000
C	MUS System-wide Door Security & Locking Hardware	\$9,000,000
C	TECH Heating System Upgrades Phase 1	\$2,480,000
C	TECH Heating System Upgrades Phase 2	\$3,520,000
C	UM Forestry Conservation and Science Lab	\$34,000,000
C	MAES Research and Wool Laboratories	\$12,300,000
C	MSU Gallatin College 2-Year Program Building	\$35,000,000
C	MSU BLGS Applied Science Building	\$8,900,000
C	MAES Seed, Plant and Soil Processing Facility	\$5,600,000
C	MSU NTHN Hagener Class & Lab Renovation	\$3,100,000
C	AUTHORITY ONLY: Montana Museum for Art and Culture	\$2,000,000
M	UM Urey Lecture Hall Roof	\$350,000
M	UM Music Building Infrastructure	\$1,500,000
M	UM Clapp Building Elevator Modernization	\$300,000
M	UM Rankin Hall Infrastructure Improvements	\$1,500,000
M	TECH Asbestos Abatement	\$250,000
M	TECH Fire Alarm Upgrades	\$200,000
M	UMW Emergency Access Roadway	\$750,000
M	UMW Asbestos Abatement	\$920,000
M	TECH Renovate Buildings for Accessibility	\$950,000
M	MSU Reid Hall Fire System Upgrades	\$1,700,000
M	MSU Fire Alarm Network Installation	\$1,500,000
M	MAES BART Feedmill Disassembly/Removal	\$150,000
M	MSU Pedestrian Infrastructure Upgrades	\$882,000
M	MSU Montana Hall Fire System Upgrades	\$455,000
M	MSU BLGS Art Annex Safety and System Upgrades	\$1,200,000
M	UM Mansfield Library Roof Replacement	\$1,200,000
M	UMW Heating System Replacement and Repair	\$2,495,000
M	UM FLBS Sewer Treatment Plan	\$1,750,000
M	HC Donaldson Building HVAC Upgrades	\$1,000,000
M	UMW Roof Replacements	\$450,000
M	TECH Roof Replacements	\$800,000
M	UMW Utility Repairs and Replacement	\$500,000
M	HC Donaldson Building Roof Replacement	\$750,000
M	UMW Building Controls Upgrade	\$150,000
M	TECH Electrical Distribution Upgrade	\$350,000
M	UMW Elevator Repairs and Replacement	\$500,000
M	TECH Elevator Repairs and Replacement	\$600,000
M	TECH Boiler and HVAC Renovation	\$1,000,000

PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
M	HC Airport Campus Roof Replacement	\$250,000
M	HC Donaldson Building Elevator Repairs	\$250,000
M	UM Mathematics Building Roof Replacement	\$225,000
M	UM School of Law Roof Replacement	\$500,000
M	UM Mansfield Library Elevator Repairs	\$850,000
M	UM Stone Hall Roof Replacement	\$400,000
M	UM Forestry Building Roof Replacement	\$475,000
M	UM Deionized Water System Replacement and Repair	\$250,000
M	UM Clapp Building Water and Sewer Line Replacement	\$500,000
M	UM North Corbin Hall Roof Replacement	\$200,000
M	UM Brantly and Corbin Hall Roof Replacements	\$950,000
M	UM Social Science Building Roof Replacement	\$400,000
M	MSU Lewis Hall Roof Replacement	\$1,600,000
M	MSU NTHN Brockmann Center HVAC and Energy Project	\$855,000
M	MSU Cobleigh Hall Parapet Repair	\$1,750,000
M	MSU Linfield Hall Transformer and MDP Upgrades	\$2,200,000
M	MAES Tractor/Equip. Storage/Machine Shop Renovation	\$90,000
M	MSU Haynes Hall Lab Ventilation Upgrades	\$1,600,000
M	MSU Reid Hall HV System Upgrades	\$1,750,000
M	MSU Garfield Street Reconstruction	\$2,400,000
M	MSU BLGS Library Instructional Space Modernization	\$1,750,000
M	MSU Leon Johnson District Heat Rejection	\$1,590,000
M	MSU NTHN Auto. Tech. Building System Improvements	\$535,000
M	MSU Reid Hall Secondary Electrical Upgrades	\$705,000
M	MSU Traphagen Hall Roof Replacement	\$1,150,000
M	MAES Red Bluff Lambing Barn Upgrades	\$120,000
M	MSU Wilson Hall Envelope Repairs	\$2,270,000
M	MSU BLGS Facilities Service Shop Roof Replacement	\$250,000
M	MSU NTHN Metals Technology Roof Replacement	\$270,000
M	MSU Taylor Hall Envelope Repairs	\$400,000
M	MSU Roberts Hall Window Replacement	\$1,035,000
M	MSU NTHN Vande Bogart Library Roof Replacement	\$325,000
M	MSU Linfield Hall MDP and Branch Circuits Upgrades	\$1,800,000
M	MSU Hamilton Hall, 3rd, 4th, and Attic Floor Repairs	\$510,000
M	HC Construct New Fire Tower Training Facility	\$250,000
M	MSU NTHN Electronics Bldg. HVAC/Lighting Upgrades	\$560,000
M	MAES NARC GrowSafe Roof Construction	\$205,000
M	MSU Service Drive Reconstruction	\$680,000
M	MAES CARC Implement Shed Upgrades	\$62,000
M	MSU Storm Water Quality Improvements	\$285,000
M	MSU NTHN Campus EMS Building Controls Upgrade	\$270,000
M	MSU Herrick Hall Attic Renovation	\$1,590,000
M	MSU 12th Street Reconstruction	\$570,000
M	MSU Haynes Hall HVAC and VAV AHU System Upgrades	\$1,600,000
M	AUTHORITY ONLY - MUS General Spending Authority	\$20,000,000
N/A	AUTHORITY ONLY: Music Building Renovations	\$6,000,000

PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
N/A	AUTHORITY ONLY: Rankin Hall Building Renovations	\$6,000,000
N/A	AUTHORITY ONLY: UM Forestry Cons. and Science Lab	\$11,000,000
N/A	AUTHORITY ONLY: UM Mansfield Library Renovation	\$6,000,000
N/A	AUTHORITY ONLY: MAES Horticulture Lab	\$300,000
N/A	AUTHORITY ONLY: MAES Wool Laboratory	\$1,000,000
N/A	AUTHORITY ONLY: MSU Instructional Space Upgrades	\$2,000,000
N/A	AUTHORITY ONLY: MSU Hospitality Program	\$24,000,000
N/A	AUTHORITY ONLY: MSU Renne Library Renovations	\$5,000,000
	<b>TOTAL: MUS</b>	<b>\$269,629,000</b>
<b>SCHOOL FOR THE DEAF &amp; BLIND</b>		
C	Addition to the Bitterroot Education Building	\$1,750,000
C	Build a garage.	\$45,000
M	Replace Roof on Cottage Buildings	\$530,000
M	Installing a swipe card lock system on all doors.	\$120,000
M	Upgrade Sprinkler System in Bitterroot Building	\$150,000
M	Sprinkler Systems- Mustang Center & Dining Room	\$150,000
M	Complete/finish campus irrigation system	\$75,000
M	Wheelchair ramp on the north side of the IMC	\$30,000
M	Replace Lift in Bitterroot Building	\$80,000
M	Refinish Gym Floor	\$25,000
M	Replace the main power line to MSDB campus	\$30,000
M	Install garage door in Boiler House	\$8,000
M	Replace door jams in the Mustang Center Pool	\$15,000
M	Removal and paving all parking lots.	\$455,000
M	Upgrade Science Lab	\$35,000
M	Refurbish Cottage Wings	\$300,000
M	Repair the cracks in the pool room walls.	\$50,000
M	Replace carpet in the Cottage Buildings	\$250,000
	<b>TOTAL: MSDB</b>	<b>4,098,000</b>
<b>DEPARTMENT OF FISH, WILDLIFE &amp; PARKS</b>		
C	Flathead Lake Recreation Access	\$7,859,000
C	FAS Acquisition	\$280,000
C	Fish Connectivity	\$1,840,000
C	Habitat Montana	\$11,550,000
C	Home to Hunt Access	\$850,000
C	Big Horn Sheep Habitat	\$320,000
C	Interpretation and Exhibit Upgrades	\$500,000
C	Lewis and Clark Caverns	\$600,000
C	Havre Area Office	\$2,260,000
C	Lower Yellowstone Access	\$4,000,000
C	Shooting Ranges Statewide	\$2,500,000
C	Montana Wild Avian Rehabilitation Building	\$600,000
C	Cedar Islands Infrastructure Upgrades	\$200,000
C	Diversified Lodging	\$500,000
C	Fort Owen State Park	\$390,000
M	Future Fisheries	\$1,320,000

PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
M	FAS Site Protection	\$2,450,000
M	Hatchery Maintenance	\$7,600,000
M	Dam Maintenance	\$60,000
M	Community Fishing Ponds	\$200,000
M	Wildlife Habitat Maintenance	\$1,440,000
M	Forest Management	\$65,000
M	Migratory Bird Program	\$650,000
M	Upland Game Bird Enhancement Program	\$650,000
M	Smith River Corridor	\$200,000
M	Grant Programs	\$9,390,000
M	Wildlife Habitat Improvement Program	\$2,000,000
M	Yellow Bay State Park site upgrade	\$1,200,000
M	Parks Maintenance	\$2,500,000
M	Admin Facilities Major Maintenance	\$2,262,150
M	Milltown State Park	\$250,000
M	Hell Creek State Park	\$400,000
	<b>TOTAL: FWP</b>	<b>\$66,886,150</b>
DEPARTMENT OF ENVIRONMENTAL QUALITY		
M	State Building Energy Conservation Program	\$3,700,000
	<b>TOTAL: DEQ</b>	<b>\$3,700,000</b>
DEPARTMENT OF TRANSPORTATION		
C	Terry 3-Bay (No Office)	\$400,000
C	White Sulphur 8-Bay	\$1,250,000
C	Philipsburg 5-Bay	\$825,000
C	Custer 5 Bay with office	\$825,000
C	Havre Welding Shop	\$400,000
C	Billings Welding Shop/Tow Plow Storage	\$650,000
C	Harlem 6-Bay Equipment Storage Building	\$915,000
C	Remodel / Expand Yellowstone Airport Terminal	\$10,000,000
M	Facilities Repair & Maintenance	\$2,300,000
N/A	Lincoln Airport Snow Removal Equipment Building	\$450,000
	<b>TOTAL: MDOT</b>	<b>\$18,015,000</b>
DEPARTMENT OF LIVESTOCK		
C	MT Veterinarian Diagnostic & Ag Analytical Labs	\$36,050,000
	<b>TOTAL: DOL</b>	<b>\$36,050,000</b>
DEPARTMENT OF NATURAL RESOURCES & CONSERVATION		
C	Clearwater Unit Office Bunkhouse Replacement	\$791,250
C	Eastern Land Office Facilities & Shop	\$2,250,000
C	Eastern Land Office Shop	\$703,125
C	Anaconda Bunkhouse	\$1,185,000
C	Stillwater Unit Office Parking Structure	\$1,443,600
C	Kalispell Unit Office Parking Structure	\$352,000
C	Missoula Unit Office Parking 2 Bay Structure	\$281,250
C	Central Land Office Parking Structure	\$1,485,000
M	Swan Unit Office Siding and House Wrap	\$210,000
M	Stillwater Unit Shop Remodel	\$50,000
M	Libby Unit Office Water Line Replacement	\$5,800



PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
M	Stillwater Unit Office Front Entry Relocation	\$20,000
M	New Asphalt at Stillwater Unit Office	\$217,906
M	Asphalt existing gravel roads at Libby Unit Office	\$508,300
M	Clearwater Unit Office Asphalt Resurface	\$6,500
M	Lincoln Unit Office Asphalt Resurface	\$6,500
M	Expand Central Land Office parking lot	\$74,750
M	Stillwater Unit Office Sidewalk Replacement	\$8,000
M	Central Land Office Dispatch Center Expansion	\$405,000
M	Anaconda Office Addition	\$562,500
M	Clearwater Unit Parking Structure	\$180,000
M	Southwestern Land Office Parking Structure	\$90,000
	<b>TOTAL: DNRC</b>	<b>\$10,836,481</b>
DEPARTMENT OF REVENUE		
C	Liquor Warehouse Expansion	\$6,527,250
	<b>TOTAL: DOR</b>	<b>\$6,527,250</b>
DEPARTMENT OF ADMINISTRATION		
C	State Health Lab Renovation	\$6,000,000
C	Commodities Warehouse Expansion	\$1,779,230
M	VRF Piping Replacement, Scott Hart Building	\$900,000
M	Executive Residence Renovation	\$440,500
M	Campus Facilities Repairs & Maintenance	\$800,000
M	Roof Replacement-111 North Sanders	\$418,600
M	Mechanical Upgrade - 5 South Last Chance Gulch	\$594,500
M	1300 11th Ave. Re-roof & Mechanical System Upgrade	\$1,066,250
M	Parking Lot Improvements - 111/115 N Sanders Lot	\$1,316,263
M	Mechanical Upgrade - 2800 Airport Rd - FWP Hangar	\$761,250
M	Elevator Modifications - 1401 East 6th - Cogswell	\$580,000
M	Roof Replacement - 1420 East 6th Avenue	\$289,800
M	Enterprise Fire Alarm System - Capitol Complex	\$1,095,554
M	Capitol Generated Power	\$1,154,923
M	Accessibility Upgrades - 111 North Sanders	\$698,000
M	Campus Security & Safety Upgrades	\$500,000
M	Capitol Complex Exterior Door Renovation	\$279,127
M	Flooring Replacement - 1227 11th Avenue	\$130,841
M	Roof Replacement - 1401 East Lockey	\$1,223,600
M	Accessibility Upgrades - Capitol Complex	\$2,283,904
M	Elevator Modifications - 1301 East 6th - Capitol	\$550,000
M	Capitol Weatherization Phase 1	\$1,440,000
M	Boiler/Chiller Replacement - 1315 East Lockey	\$442,250
M	Accessibility Upgrades - 125 North Roberts	\$990,000
M	Roof Replacement - 125 North Roberts	\$837,200
M	Boiler Replacement - 1301 East Lockey - OBH	\$232,000
M	Elevator Modifications - 1315 East Lockey - WS	\$290,000
M	Roofing Replacement - 302 North Roberts	\$740,600
M	Boiler Replacement - 304 North Ewing - OGM	\$188,500

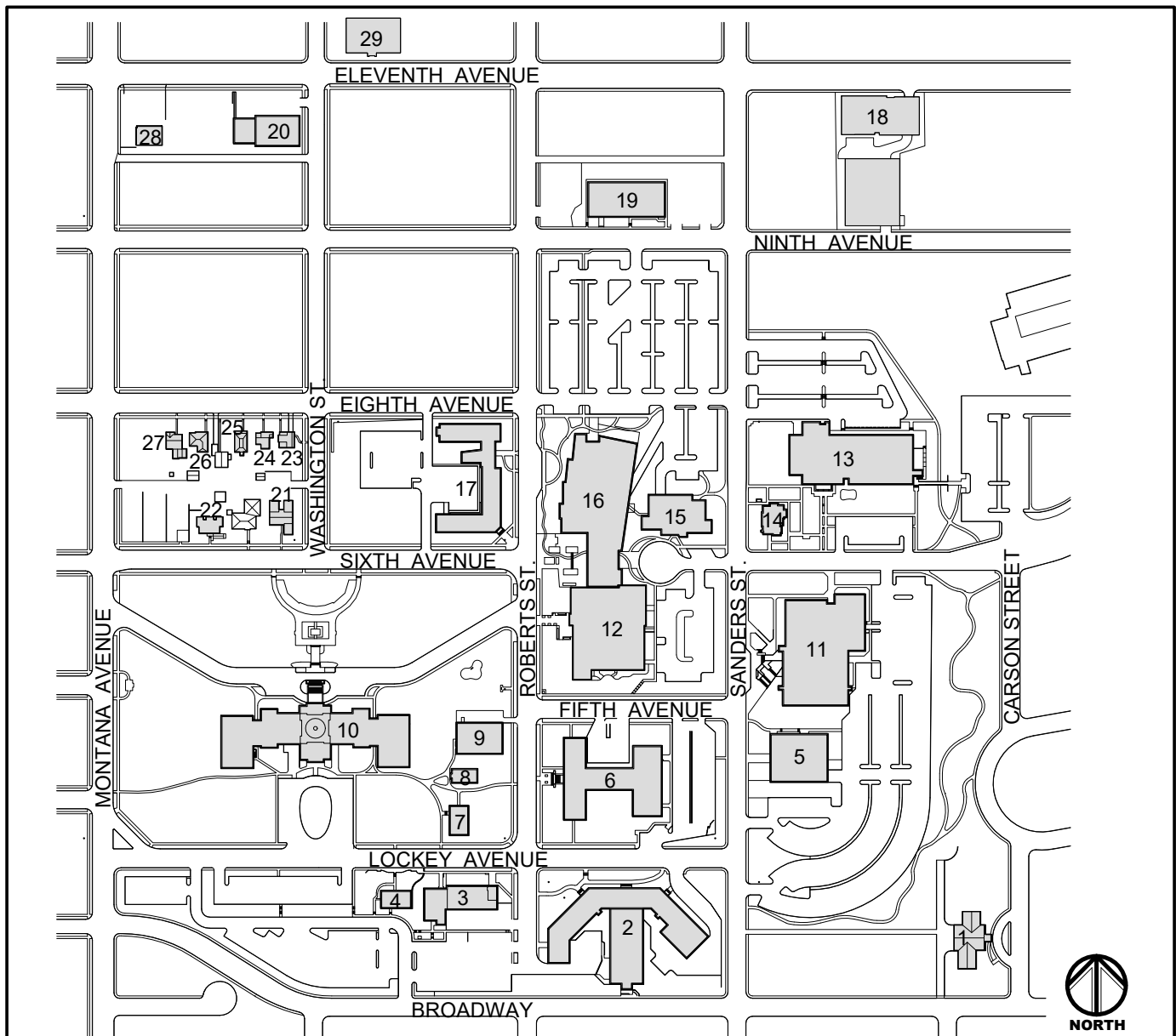
PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
M	Roof Replacement - Senate Chambers Skylight	\$520,000
M	Mechanical Upgrade - 1520 6th - Metcalf Building	\$1,196,250
M	Parking Lot Improvements - 1401 E Lockey	\$275,000
M	Parking Lot Improvements - 1300 11th Ave	\$390,000
M	Parking Lot Improvements - 1520 E 6th St	\$549,858
M	Flooring Replacement - 1300 11th Avenue	\$158,862
M	Flooring Replacement - 1315 East Lockey	\$548,226
M	Capitol Building Improvements	\$2,500,000
M	Flooring Replacement - 1520 East 6th	\$811,432
M	Flooring Replacement - 215 North Sanders	\$963,559
	<b>TOTAL: DOA</b>	<b>\$35,936,079</b>
DEPARTMENT OF CORRECTIONS		
C	MSP - Replace Housing Units A, B, C & D	\$81,686,800
C	MWP - Annex Expansion and Renovation	\$33,525,076
C	RSNU - New Special Needs Housing	\$23,920,000
C	MSP - New Multi-Purpose Programs Building	\$8,037,120
C	MSP - Locking Control Systems, Code Issues, Intercoms	\$3,900,000
C	MSP - Replace Roofs	\$2,470,000
C	MSP - Site Infrastructure Upgrade	\$25,480,000
C	MSP - Entry/Staff Services Addition	\$11,362,000
C	MCE - New Correctional Industries Space	\$3,049,800
C	MSP - Replace Perimeter Fence Detection System	\$3,250,000
M	MSP - Replace Fixture Cell Combo Units on High Side	\$877,500
M	MSP - Envelope Repairs Low Side Support & Kitchen	\$195,000
M	MWP - MCE Industries Ventilation	\$97,500
M	MWP - Chapel Roof / Envelope Repairs	\$97,500
M	MCE - Furniture Factory Life Safety Upgrades	\$1,138,280
M	MWP - Door Control System	\$520,000
M	PHYCF - Door Control Systems	\$350,000
M	PFB - Dr. X Building Door Control System	\$350,000
M	MWP - Roof Replacement Main Building	\$720,980
M	MSP - Unit F Boiler System / Controls	\$130,000
M	MSP - Unit F Water Well Replacement	\$370,500
M	MCE - Motor Vehicle Auto Body Shop Paint Booth	\$143,000
M	DO - Physical, Functional, & Operational Assessment	\$400,000
M	MSP - Develop Facility Specific Program & Master Plan	\$325,000
M	MWP - Develop Facility Specific Program & Master Plan	\$165,000
M	MCE - Laundry Replacement	\$1,300,000
M	Finalize Departmental Master Plan	\$575,000
	<b>TOTAL: DOC</b>	<b>\$204,436,056</b>
DEPARTMENT OF COMMERCE		
M	Historic Buildings Capital Maintenance	\$2,000,000
	<b>TOTAL: DOComm</b>	<b>\$2,000,000</b>
DEPARTMENT OF MILITARY AFFAIRS		
C	Butte Readiness Center	\$2,997,000
C	Havre Unheated Storage Building	\$422,120

PROJECT TYPE	PROJECT DESCRIPTION	REQUESTED
C	Fort Harrison Barracks	\$6,000,000
C	FTH Bldg 1001 Draw Yard	\$811,980
C	FTH Rail Head Yard	\$811,980
C	LSHTA Barracks #1	\$2,164,500
M	Great Falls AFRC Roof Replacement	\$817,400
M	Kalispell AFRC Roof Replacement	\$999,600
M	Billings AFRC Unheated Storage Expansion	\$308,051
M	Billings AFRC Backup Generator	\$854,000
M	Libby RC Loading Ramp Expansion	\$152,500
M	Womack Compound and Parking Expansion	\$846,680
M	Billings AFRC POV Sustainment	\$427,000
M	Kalispell AFRC POV	\$122,000
M	Libby POV Sustainment	\$70,200
M	Lewistown RC Roof Replacement	\$183,000
M	Dillon RC POV Sustainment	\$87,840
M	Ft Harrison Bldg 530 Roof Replacement	\$244,000
M	Post Engineers Remodel	\$473,850
M	Billings FMS Compound Fencing	\$99,450
M	FTH Bldg 64 RTI Addition/Remodel	\$2,164,500
M	FTH Range Vault Latrines	\$99,450
M	AASF Waste Tanks	\$137,250
M	Helena FMS MEP Rigid Concrete Paving Expansion	\$434,625
M	LSH Concrete Loading Ramp	\$122,000
M	Missoula FMS Rigid Concrete Paving	\$106,750
M	Federal Spending Authority	\$3,000,000
	<b>TOTAL: DMA</b>	<b>\$24,957,726</b>
<b>DEPARTMENT OF HEALTH &amp; HUMAN SERVICES</b>		
C	SWMVH Enclosed Walkways	\$3,300,000
M	MSH Three Hot Water Heaters	\$100,000
M	MVH Building Major Maintenance	\$117,000
M	MVH SCU Courtyard	\$75,000
M	MMHNCC New Flooring D-Wing	\$49,500
M	MSH Roof Replacement Main Building	\$600,000
M	EMVH Facia Replacement	\$200,000
M	MVH Roof Resurface	\$144,000
M	Foundation Repair MSH	\$200,000
M	MSH Roof Repair Garage	\$250,000
M	MMHNCC Roof Replacement	\$550,000
M	MDC Boiler System Replacement	\$700,000
M	MSH Roof Repair Pintlar Home	\$200,000
	<b>TOTAL: DPHHS</b>	<b>\$6,485,500</b>

# CAMPUS SITE MAPS





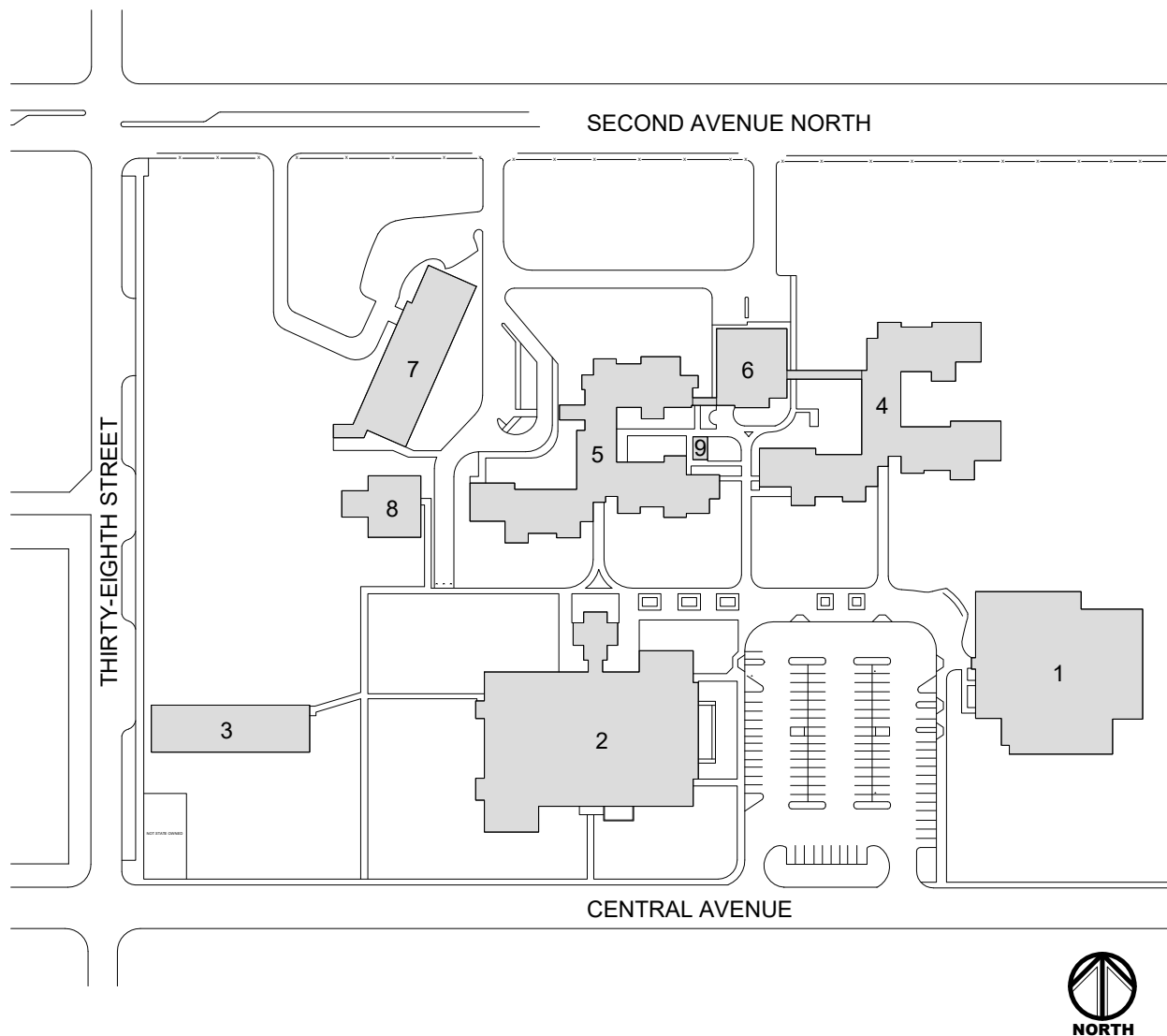


### LEGEND

- |                                  |                              |  |
|----------------------------------|------------------------------|--|
| 1 Executive Residence            | 13 Metcalf Bldg              | 25 Consumer Protection                     |
| 2 Cogswell Bldg (DPHHS)          | 14 Teacher's Retirement Bldg | 26 Petroleum Tank Release Compensation Brd |
| 3 Walt Sullivan Bldg (L&I)       | 15 Fish Wildlife & Parks     | 27 Political Practices                     |
| 4 Old Board of Health Bldg (L&I) | 16 MT Heritage Center        | 28 OPI                                     |
| 5 DPHHS                          | 17 Scott Hart Bldg           | 29 OPI                                     |
| 6 Mitchell Bldg (Revenue/Admin)  | 18 DNRC                      |  |
| 7 Old Livestock                  | 19 DNRC                      |  |
| 8 Capitol Annex                  | 20 OPI                       |  |
| 9 Boiler Plant                   | 21 Secretary of State Annex  |  |
| 10 State Capitol                 | 22 Diane Building            |  |
| 11 Justice / State Library       | 23 MT Highway Patrol         |  |
| 12 MT Heritage Center            | 24 Livestock - Milk Control  |  |

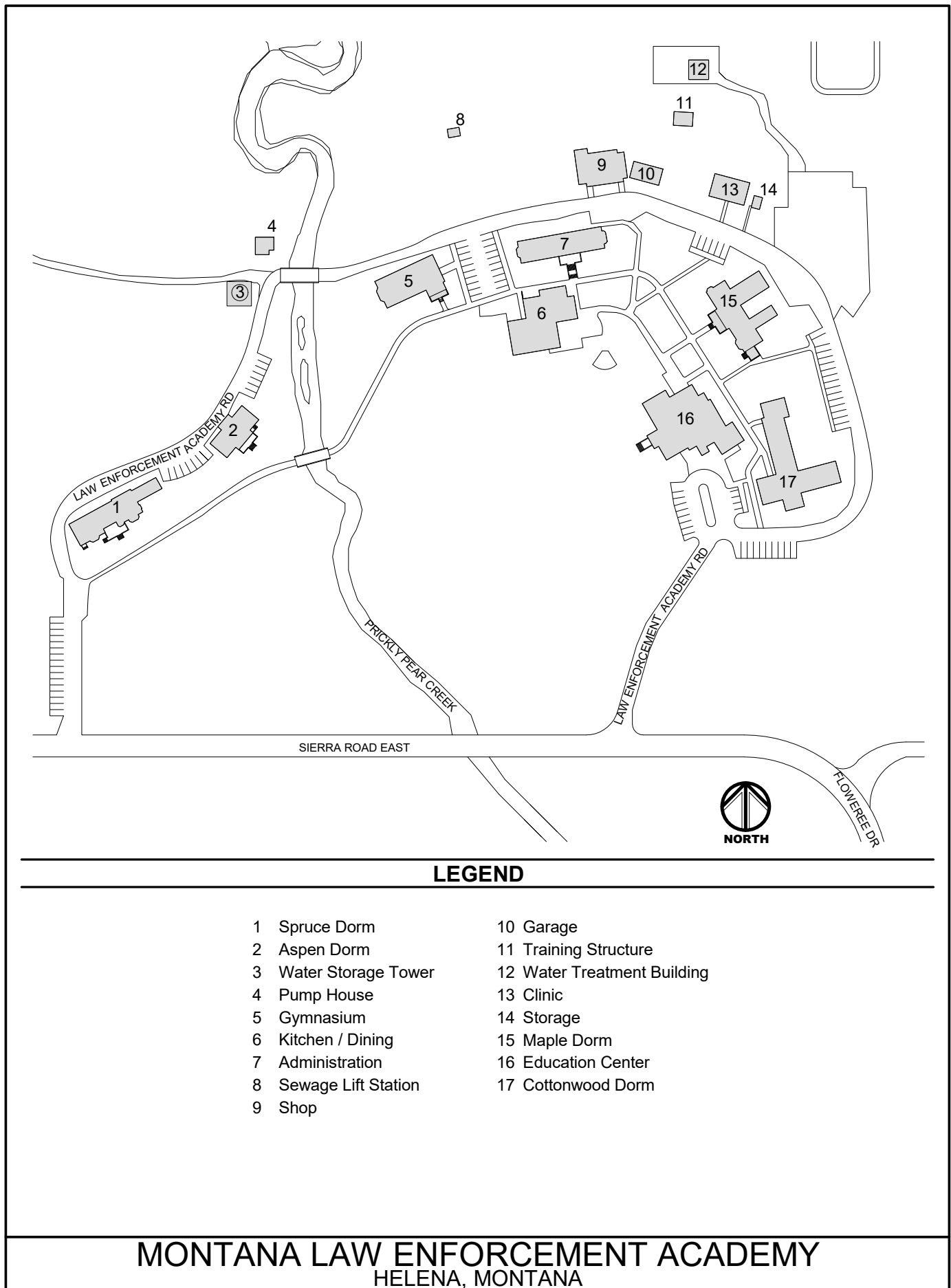
## CAPITOL COMPLEX

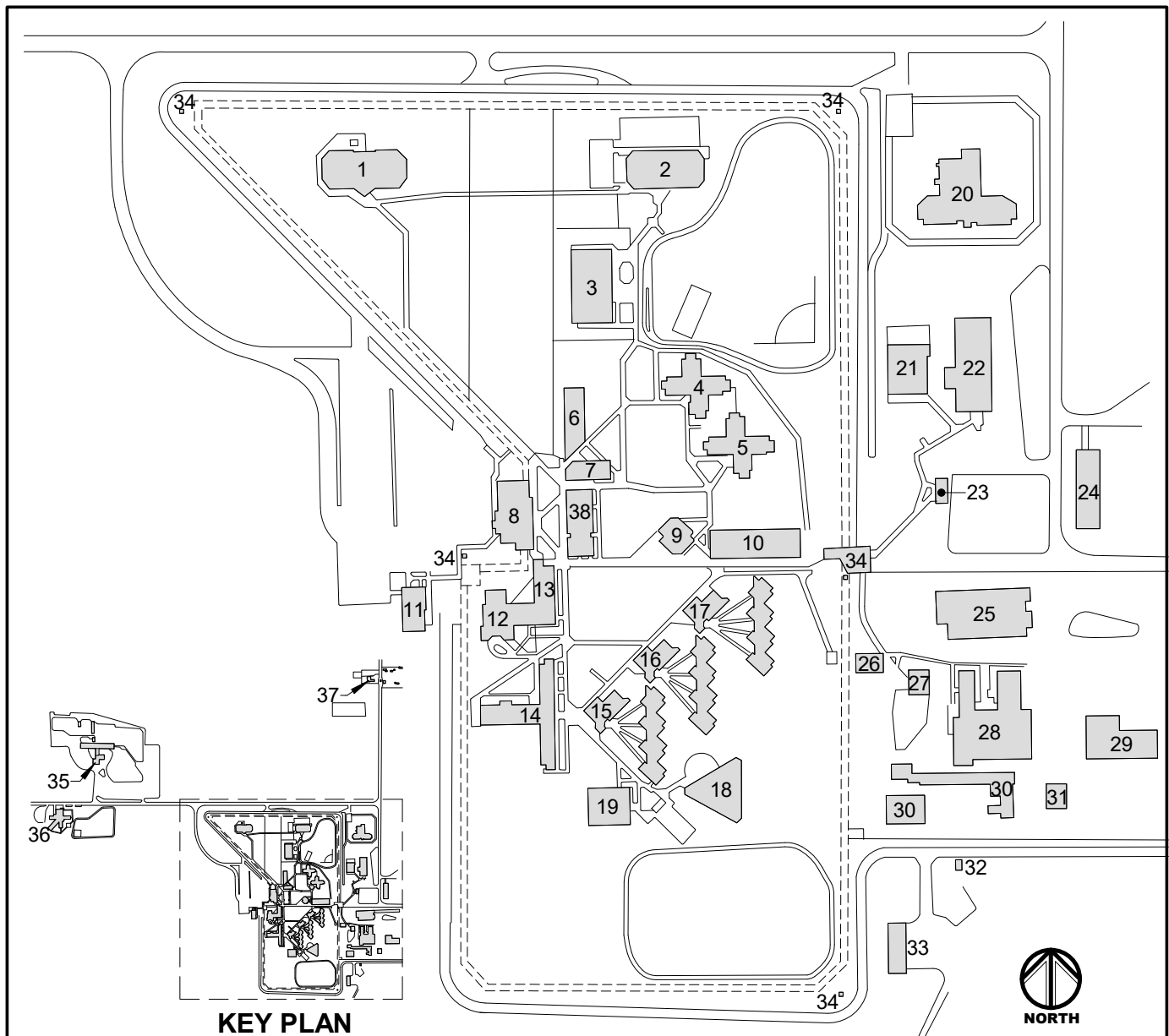
HELENA, MONTANA

**LEGEND**

- 1 P.E. Complex
- 2 Administration / School
- 3 Vocational Shop
- 4 Dormitory, East
- 5 Dormitory, West
- 6 Food Service
- 7 Classroom Building
- 8 Boiler House
- 9 Bicycle Shed

**SCHOOL FOR THE DEAF & BLIND**  
GREAT FALLS, MONTANA



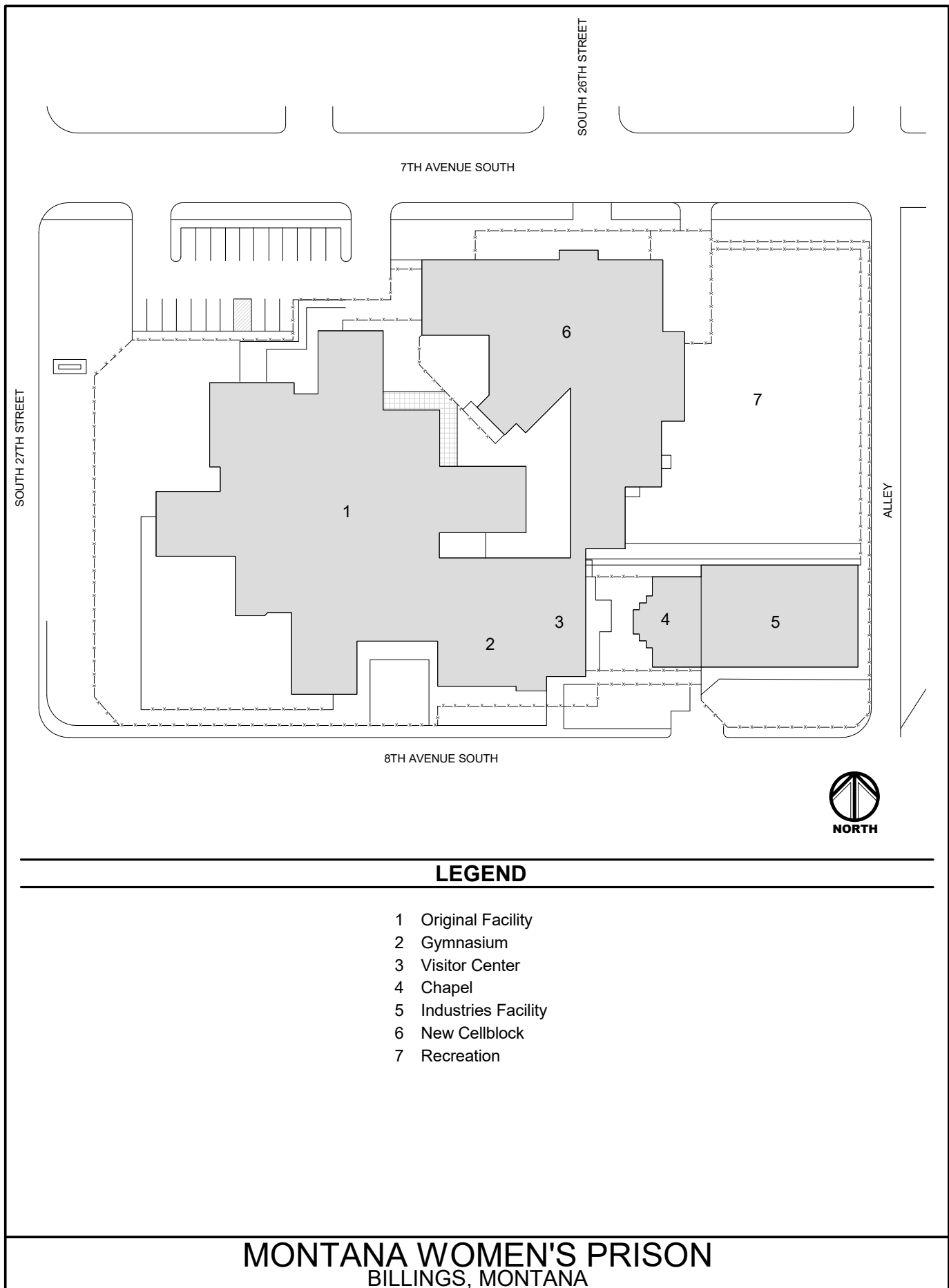


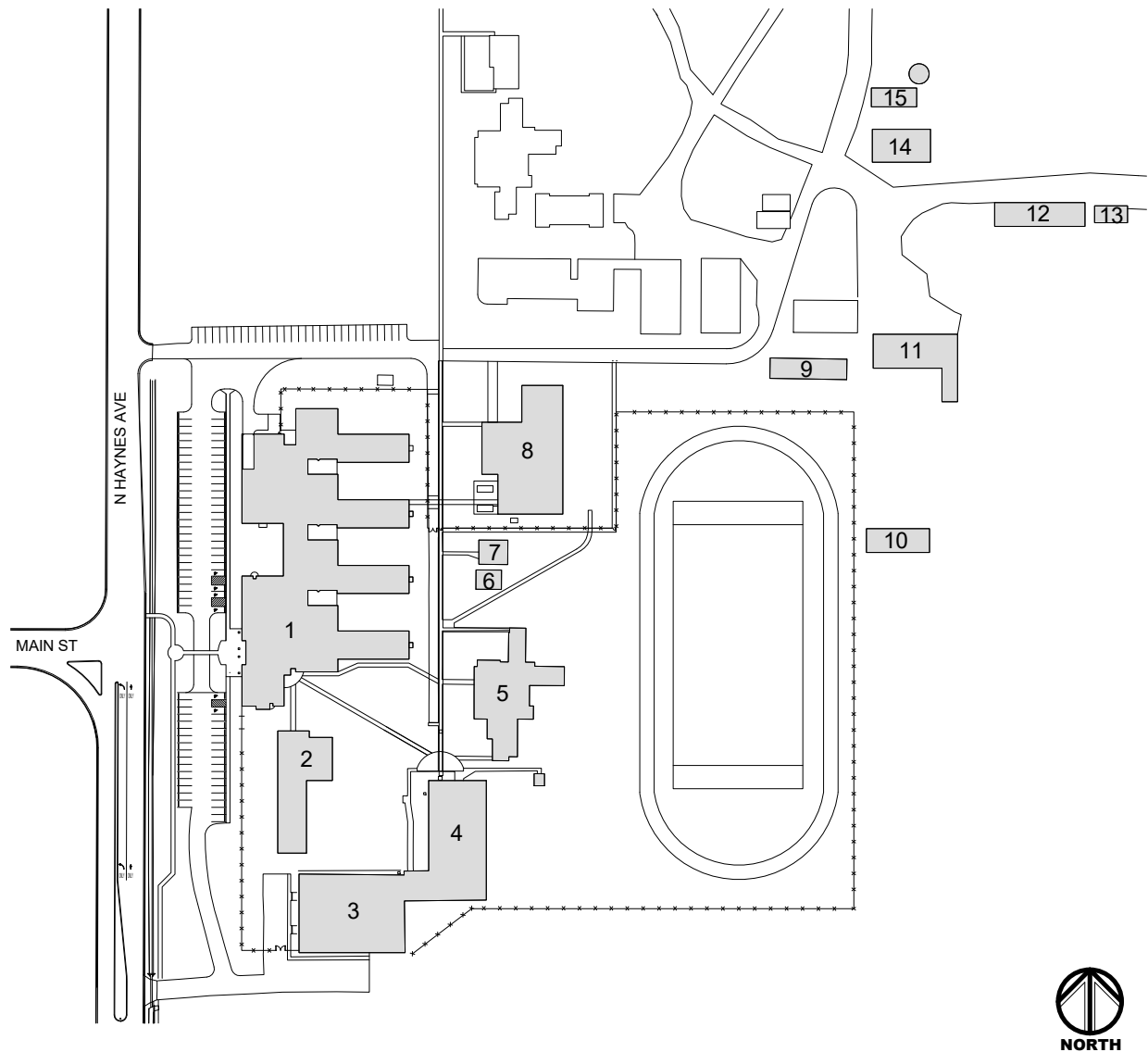
### LEGEND

- |                                       |                                  |                                    |
|---------------------------------------|----------------------------------|------------------------------------|
| 1 Unit LHU-1 - MAX                    | 15 Low Security Housing - Unit A | 29 Tag Plant                       |
| 2 Unit LHU-2 - Close 3                | 16 Low Security Housing - Unit B | 30 Maintenance Shop                |
| 3 Laundry / Voc Ed                    | 17 Low Security Housing - Unit C | 31 Fire House                      |
| 4 Unit HSU-2 - Close 2                | 18 Low Security Housing - Unit D | 32 Scale House & Pesticide Storage |
| 5 Unit HSU-1 - Close 1                | 19 Low Security Gym              | 33 Farm Machinery Shed             |
| 6 High Support                        | 20 Central Reception Unit        | 34 Guard Station                   |
| 7 High Visiting                       | 21 Food Factory                  | 35 Dairy                           |
| 8 Wallace Building                    | 22 Warehouse                     | 36 Work Dorm                       |
| 9 Chapel                              | 23 Laundry Dispatch              | 37 Ranch Office                    |
| 10 High Kitchen / Dining              | 24 Canteen Warehouse             | 38 High Gym                        |
| 11 IT / IPS / Investigations Building | 25 MVM / Vocational Training     |                                    |
| 12 Main Infirmary                     | 26 Change House                  |                                    |
| 13 Security Services Building         | 27 Industries Dining             |                                    |
| 14 Low Security Support - Rothe       | 28 Industries Manufacturing      |                                    |

**MONTANA STATE PRISON**  
DEER LODGE, MONTANA



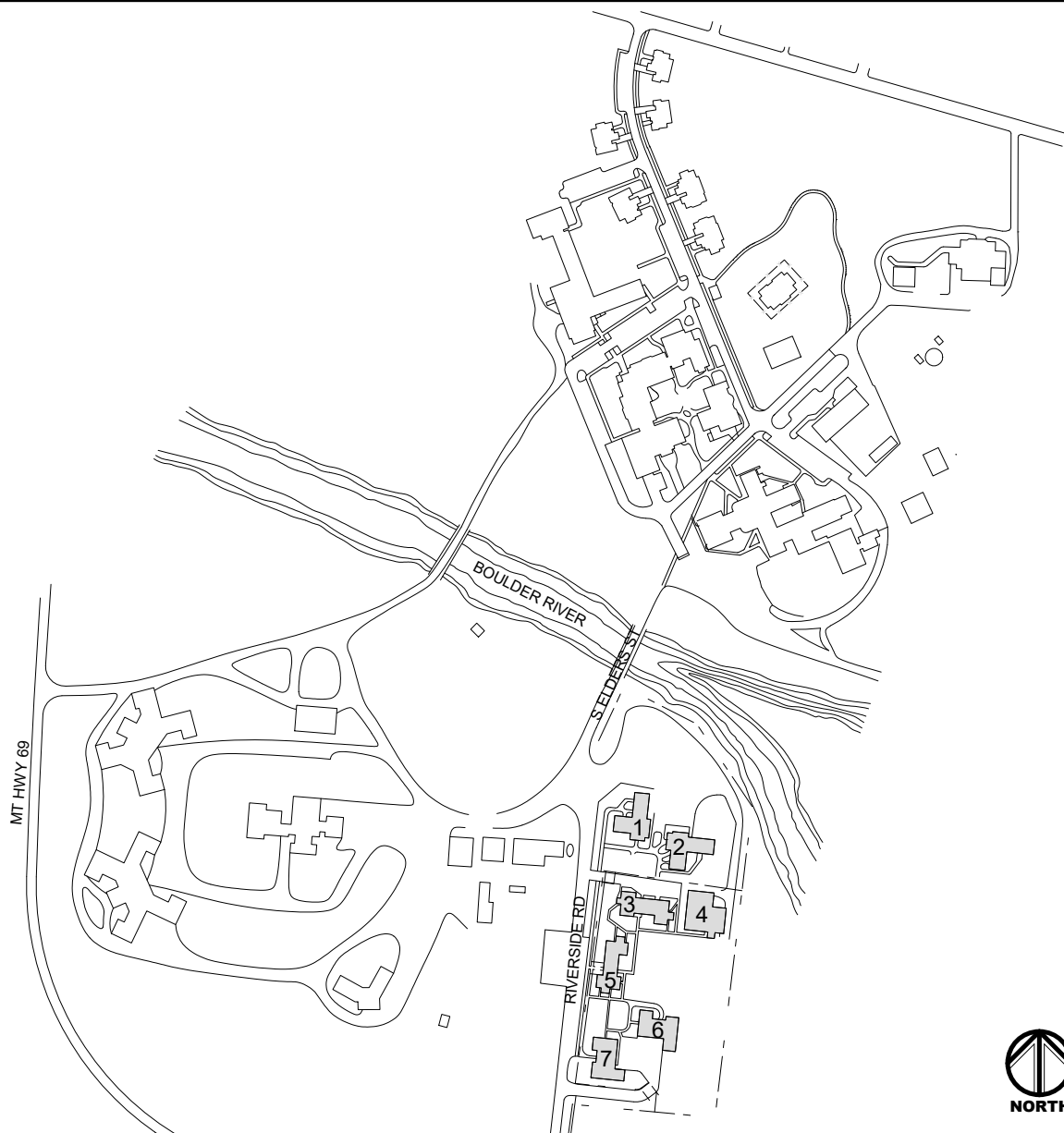




### LEGEND

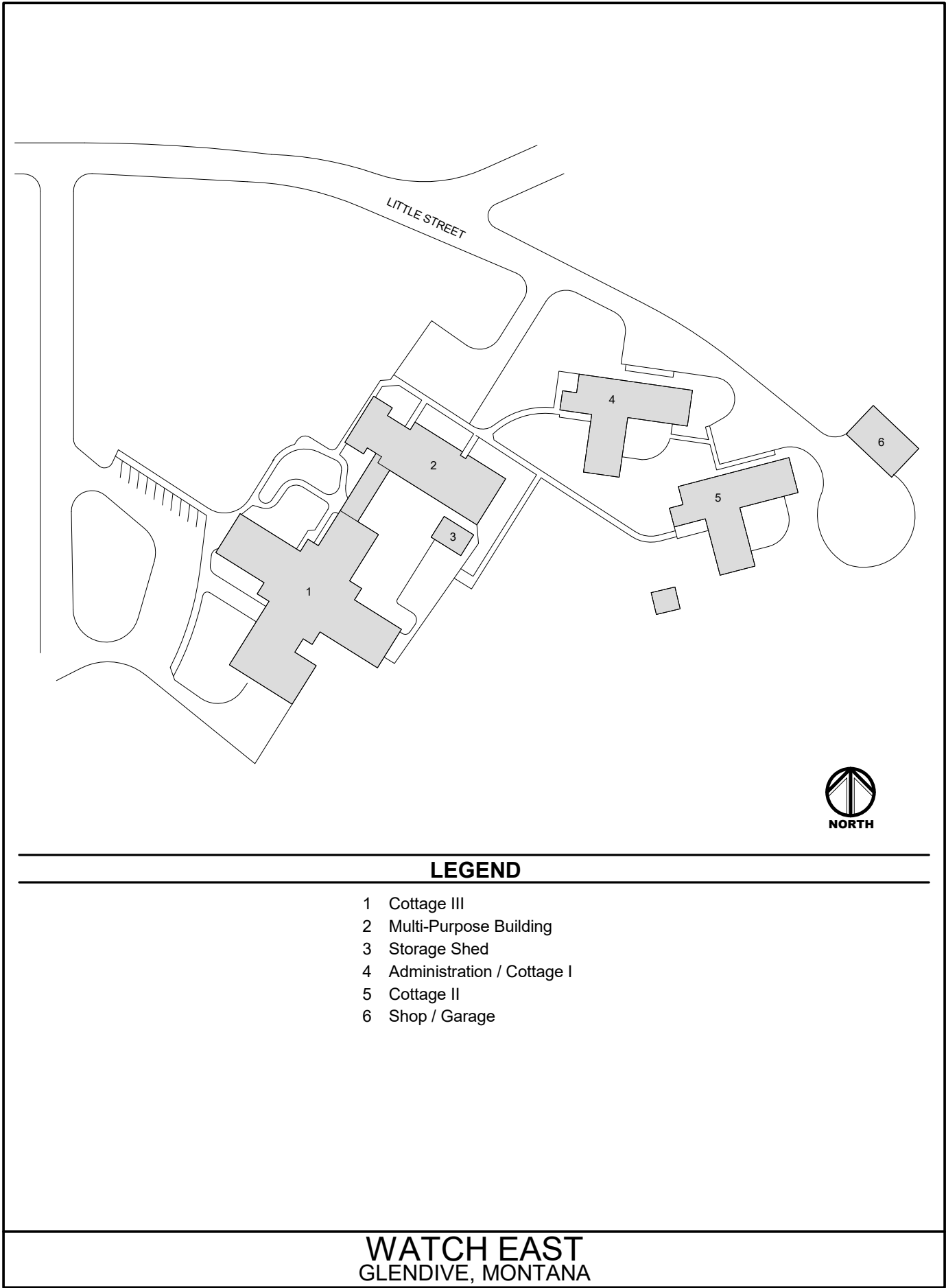
- |                              |                              |
|------------------------------|------------------------------|
| 1 Pods 1 through 4           | 9 Parking Shed               |
| 2 Pod 5                      | 10 Grow Tunnel (Greenhouse)  |
| 3 Gymnasium                  | 11 Dairy Barn                |
| 4 Pine Hills School          | 12 Loafing Shed              |
| 5 Spiritual Center / Canteen | 13 Bull Barn                 |
| 6 Work Restitution Building  | 14 Chicken House (Abandoned) |
| 7 Greenhouse                 | 15 Greenhouse (Abandoned)    |
| 8 Warehouse / Maintenance    |                              |

**PINE HILLS YOUTH CORRECTIONAL FACILITY**  
MILES CITY, MONTANA

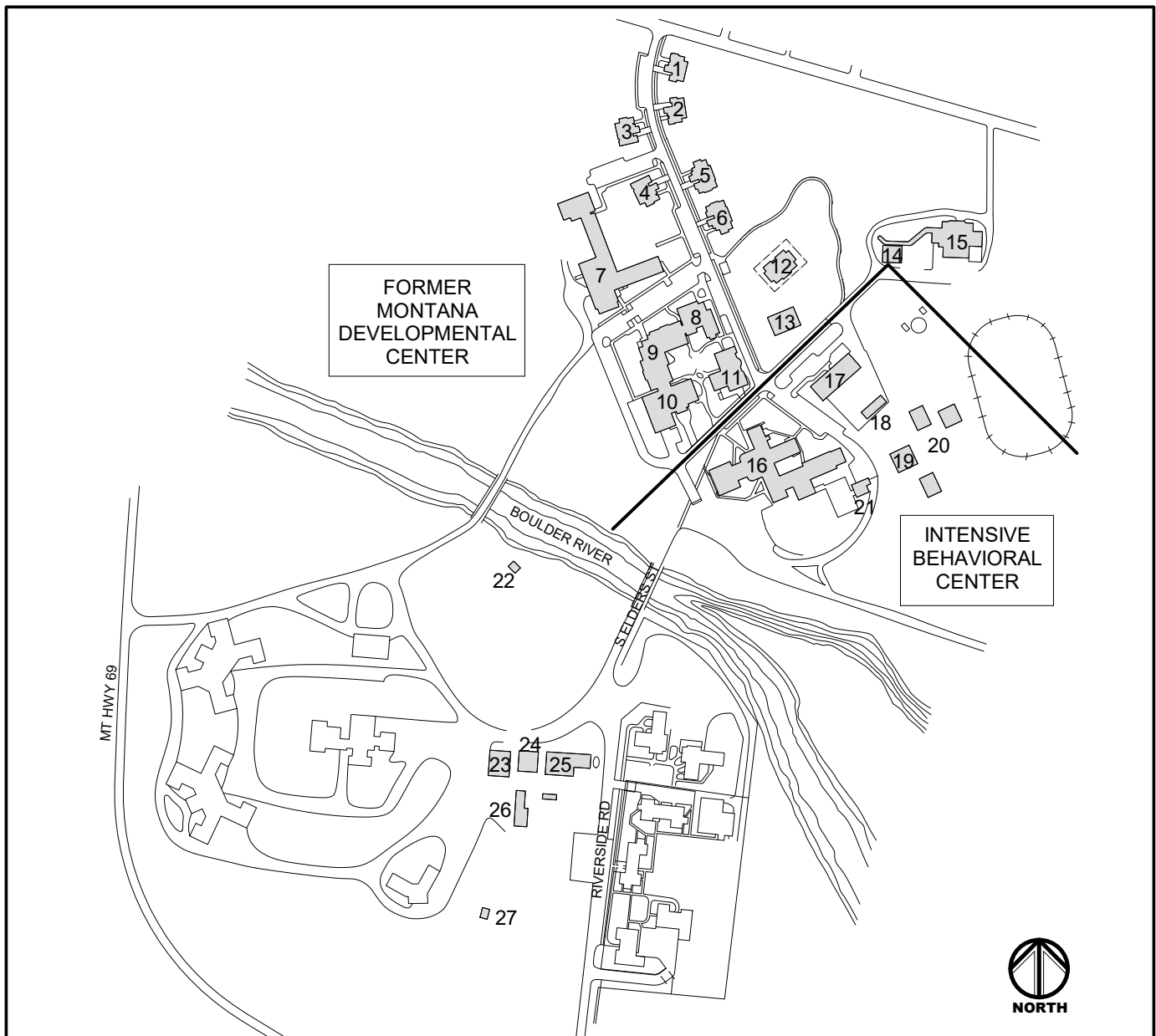
**LEGEND**

- 1 Aspen
- 2 Youth Alternatives
- 3 Classroom
- 4 Gymnasium / Multi-Purpose Building
- 5 Administration
- 6 Lock Down
- 7 Temporary Housing

**RIVERSIDE SPECIAL NEEDS UNIT (RSNU)**  
BOULDER, MONTANA



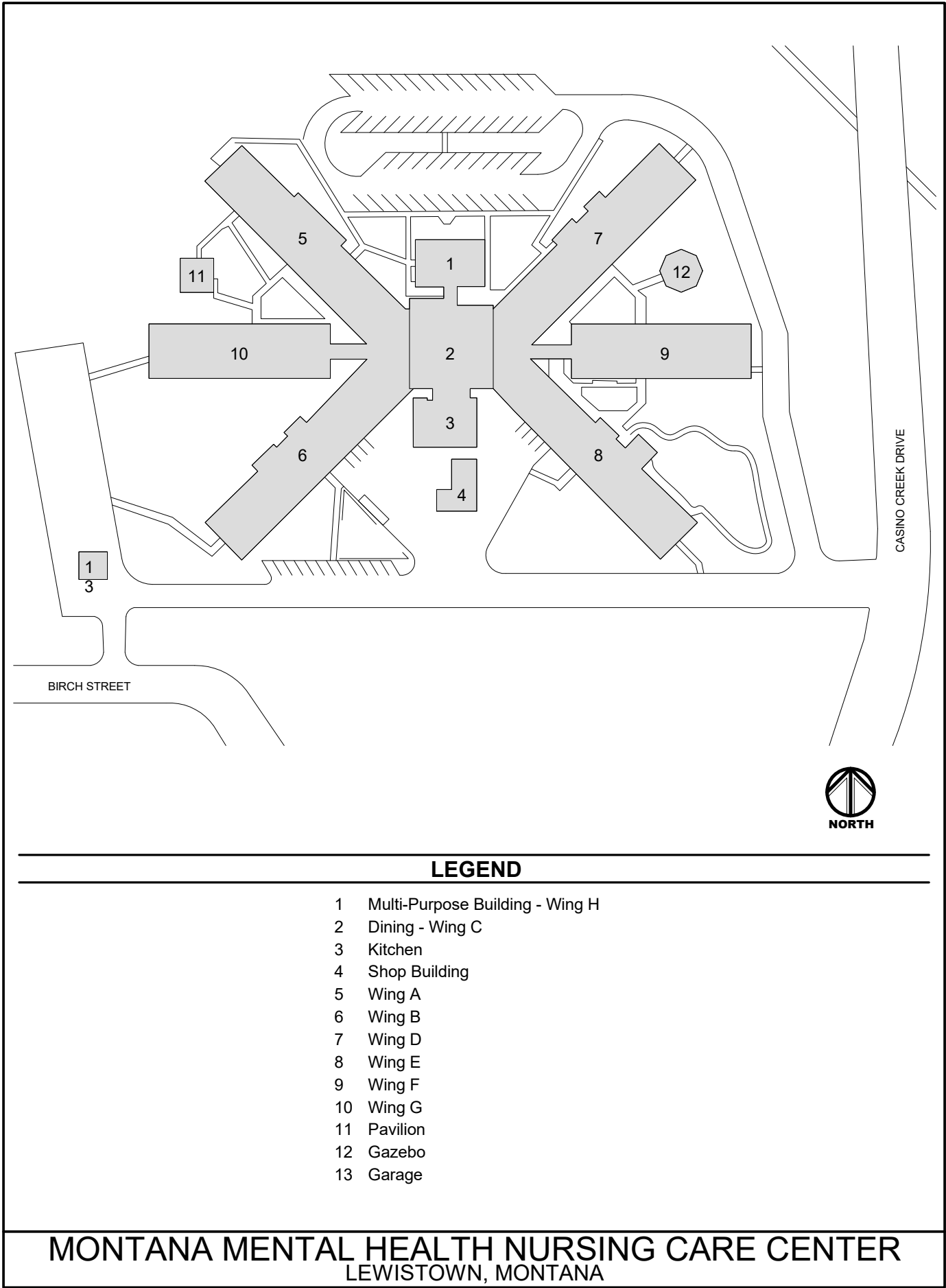


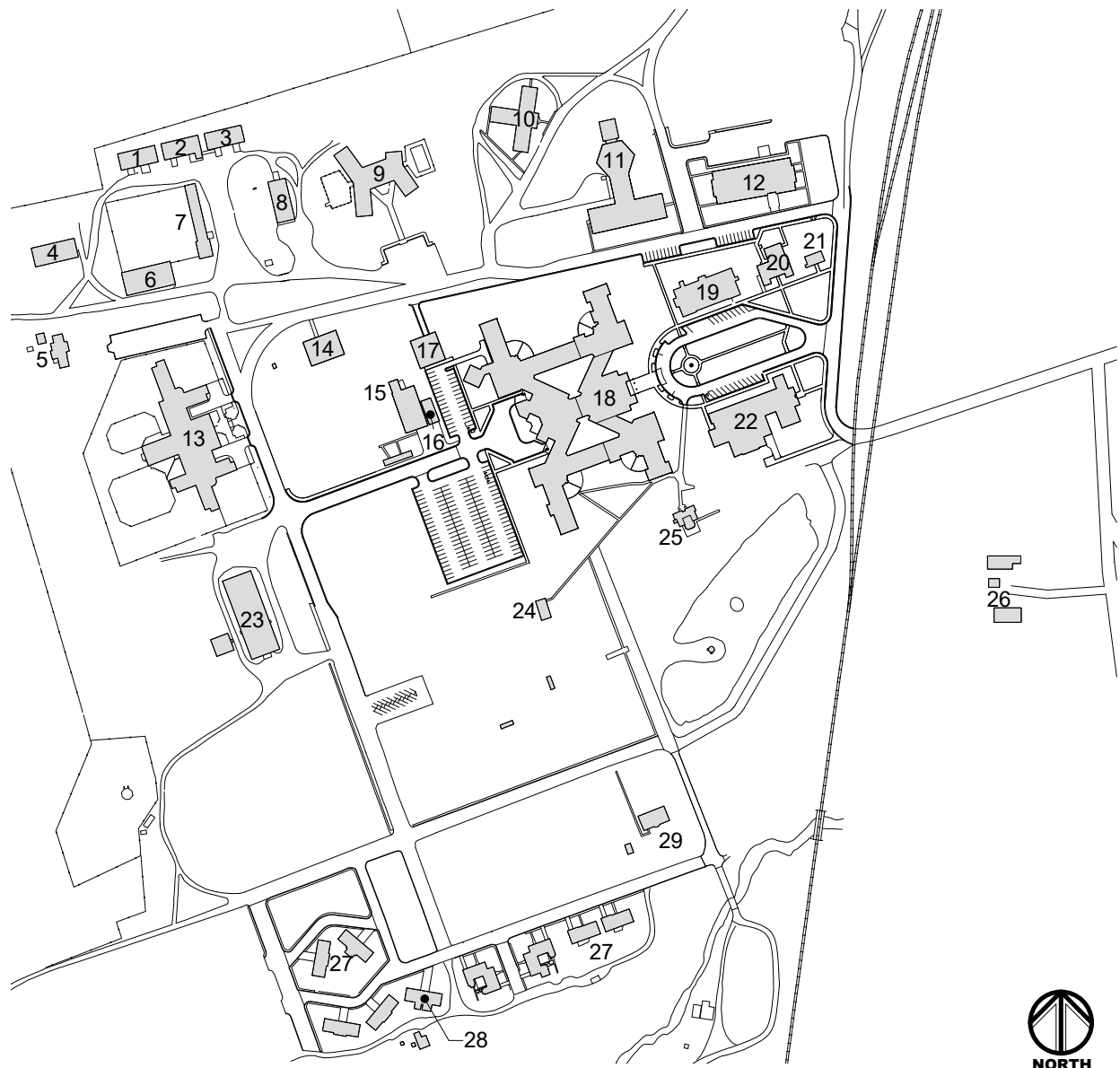


### LEGEND

- |  |                                  |
|--|----------------------------------|
| 1 6 Bed Home                               | 14 Storage                       |
| 2 6 Bed Home                               | 15 Warehouse                     |
| 3 10 Bed Home                              | 16 Residential & Health Services |
| 4 10 Bed Home                              | 17 Shop                          |
| 5 12 Bed Home                              | 18 Quonset                       |
| 6 12 Bed Home                              | 19 ASU Administration Building   |
| 7 Gymnasium & Aquatic Training Facility    | 20 ASU Housing                   |
| 8 Administration                           | 21 Laundry                       |
| 9 Treatment Services                       | 22 Pumphouse                     |
| 10 Food Services & Warehouse               | 23 Laundry                       |
| 11 Storefront & Industries & Central Plant | 24 Old Laundry / Storage         |
| 12 Old Administration                      | 25 Powerhouse                    |
| 13 Church                                  | 26 Cottage Storage               |
|  | 27 Pumphouse                     |

**MONTANA DEVELOPMENTAL CENTER**  
BOULDER, MONTANA

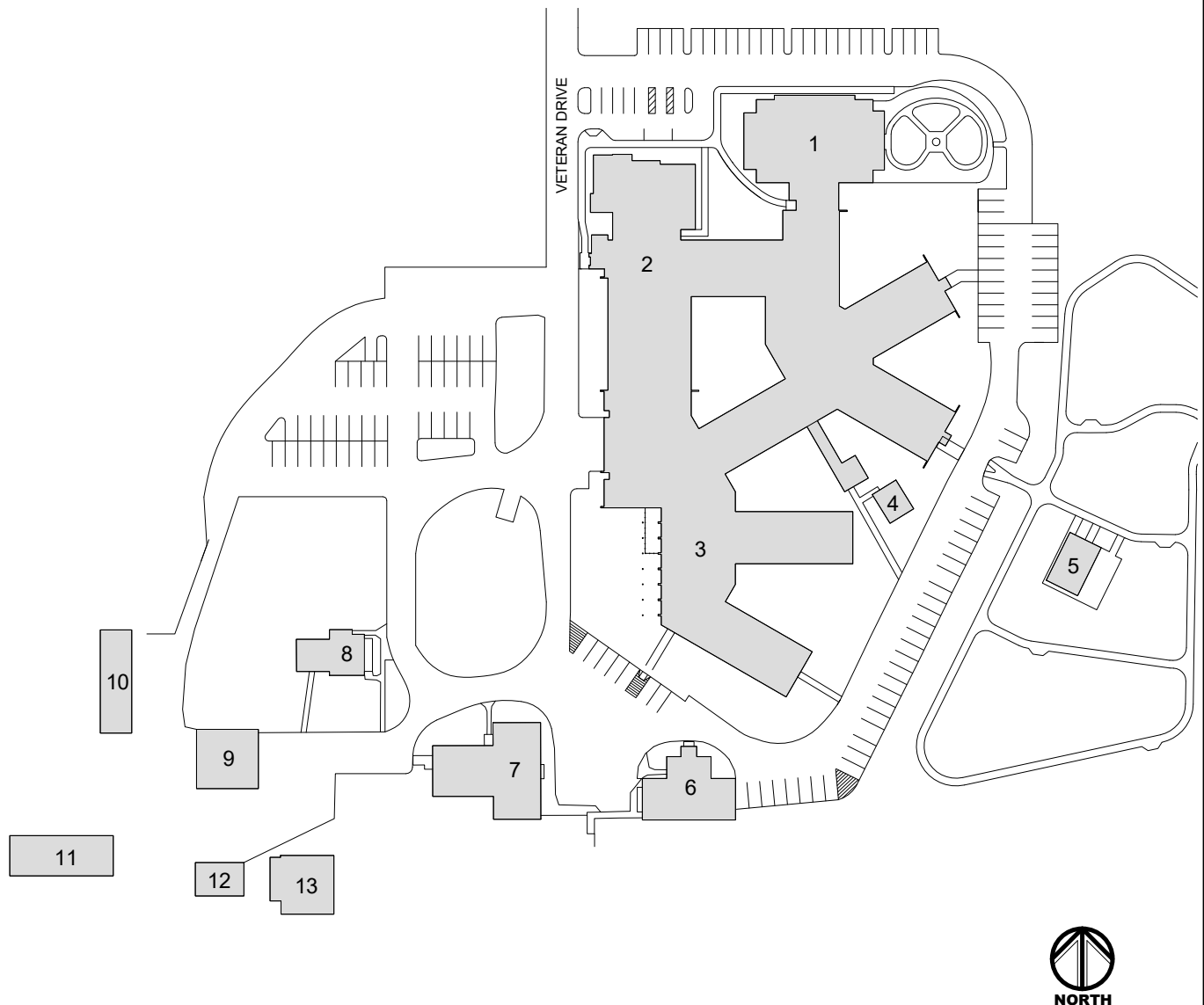




### LEGEND

- |                               |                                |
|-------------------------------|--------------------------------|
| 1 Plumbing Shop               | 16 Mechanic Shop               |
| 2 Maintenance Office / Shops  | 17 New Boiler Plant            |
| 3 Paint Shop                  | 18 Main Hospital               |
| 4 Maintenance / Storage       | 19 Administrative Annex        |
| 5 Mickleberry House           | 20 Admin                       |
| 6 Barn / Storage              | 21 Post Office                 |
| 7 Old Maintenance Shop        | 22 Therapeutic Learning Center |
| 8 Carpentry Shop              | 23 Receiving Warehouse         |
| 9 Storage                     | 24 Greenhouse                  |
| 10 Pintlar Lodge              | 25 Chapel                      |
| 11 Spratt Building            | 26 Residence                   |
| 12 Recovery Center            | 27 Staff Housing               |
| 13 Xanthopoulos / Corrections | 28 Johnson House               |
| 14 Old Boiler Plant           | 29 McCollum House              |
| 15 Main Garage                |                                |

**MONTANA STATE HOSPITAL**  
WARM SPRINGS, MONTANA

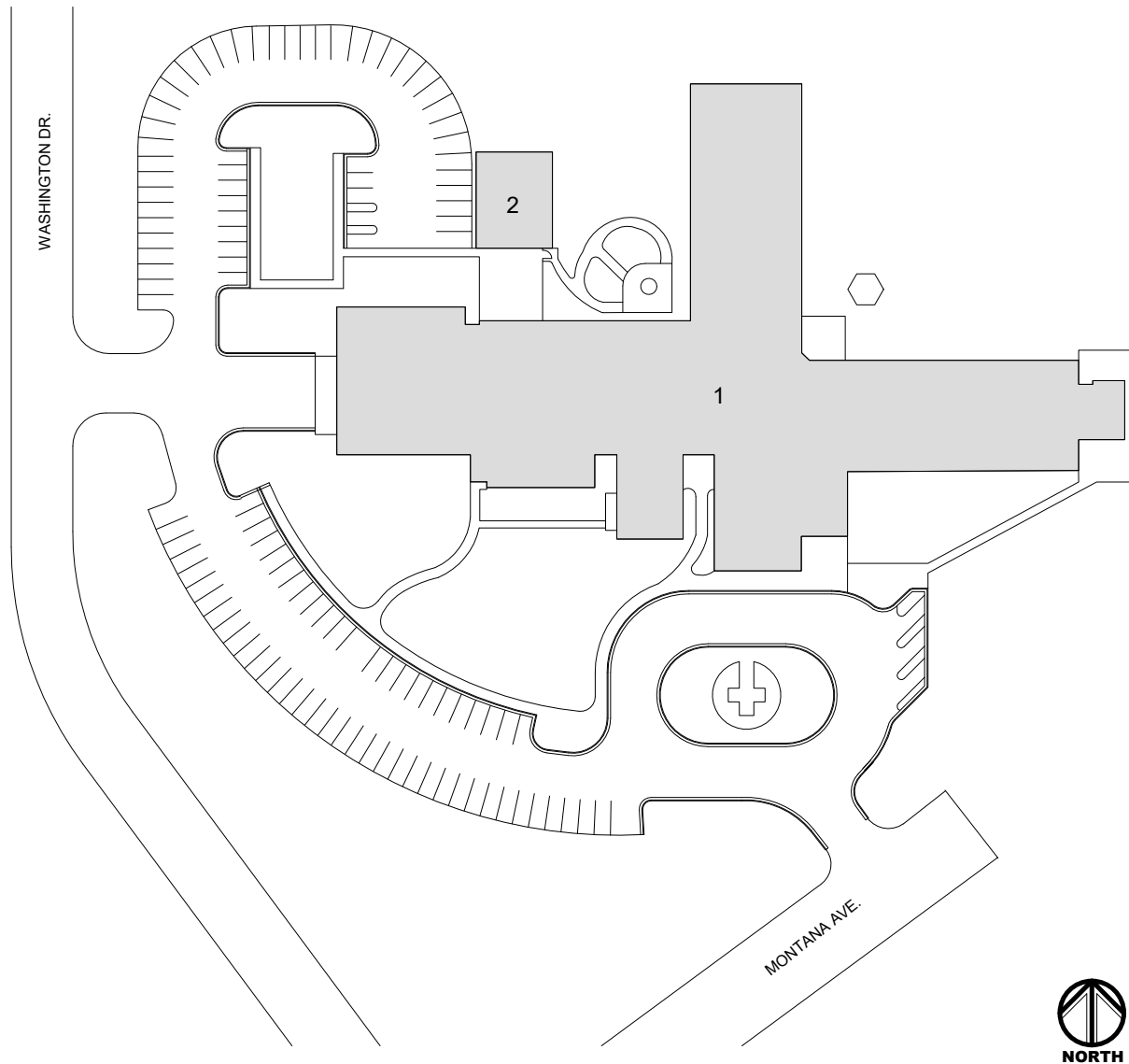


### LEGEND

- 1 Special Care Unit
- 2 Nursing Home Addition
- 3 Domicillary / Office
- 4 Designated Smoking Area
- 5 Pavilion
- 6 Chapel
- 7 Old Main
- 8 Residence
- 9 New Garage
- 10 Shop
- 11 Plumbing Shop
- 12 Carpentry Shop
- 13 Boiler House

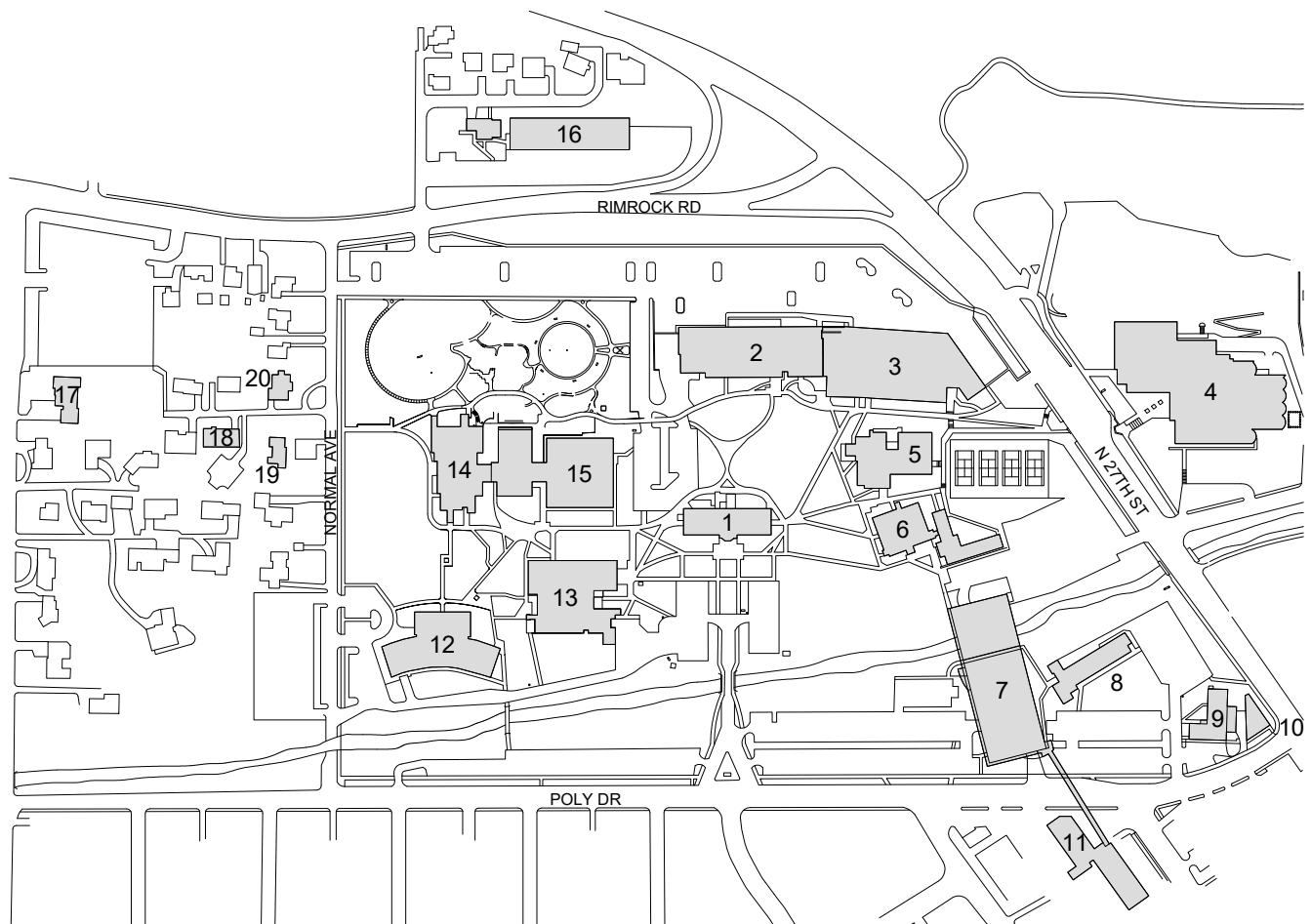
**MONTANA VETERANS HOME**  
COLUMBIA FALLS, MONTANA



**LEGEND**

- 1 EASTERN MT VETERANS HOME  
MAIN FACILITY
- 2 GARAGE

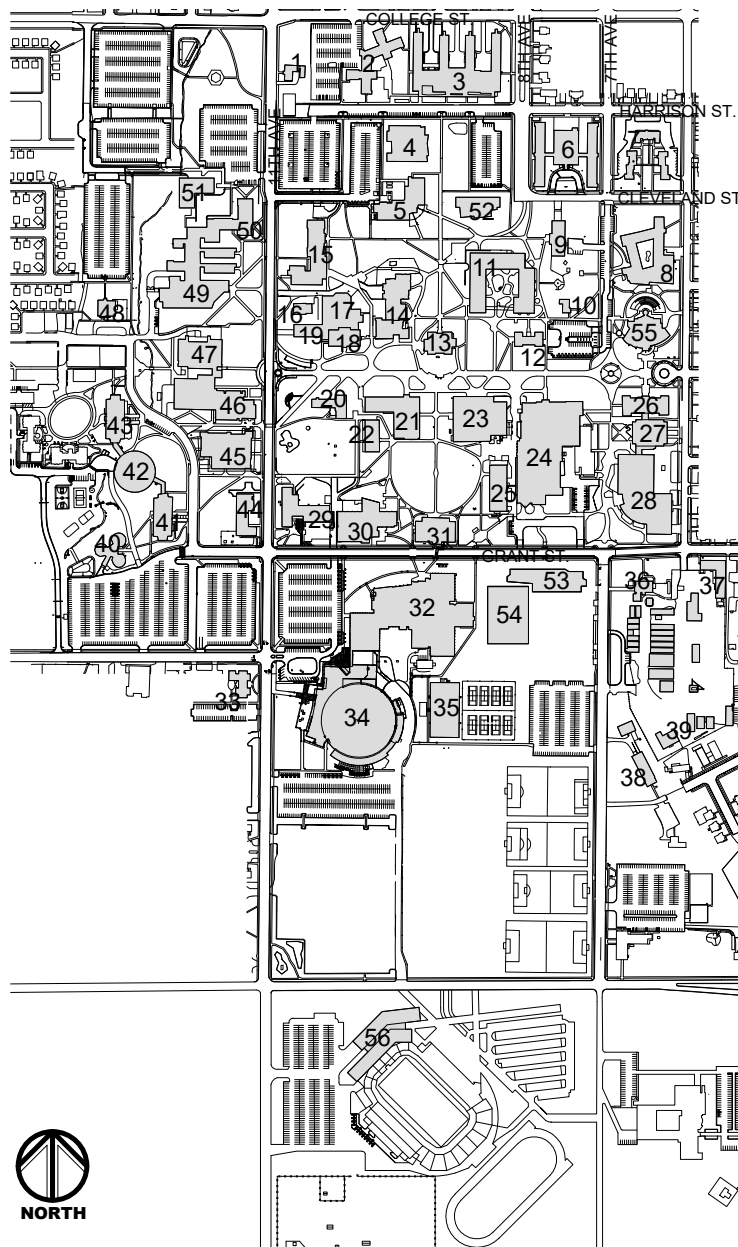
**EASTERN MONTANA VETERANS HOME**  
GLENDDIVE, MONTANA



### LEGEND

- |   |                                     |
|---|-------------------------------------|
| 1 McMullen Hall                         | 12 College of Education             |
| 2 Petro Hall                            | 13 Science Building                 |
| 3 Student Union Building / Rimrock Hall | 14 Liberal Arts Building            |
| 4 Physical Education Building           | 15 Library                          |
| 5 Academic Support                      | 16 Facility Services                |
| 6 Cisel Hall                            | 17 Foundation House                 |
| 7 Parking Garage                        | 18 Yellowstone Public Radio         |
| 8 Apsaruke Hall                         | 19 Lowe Daycare & Enrichment Center |
| 9 Art Annex                             | 20 Alumni / Guest House             |
| 10 Poly Building                        |                                     |
| 11 McDonald Hall                        |                                     |

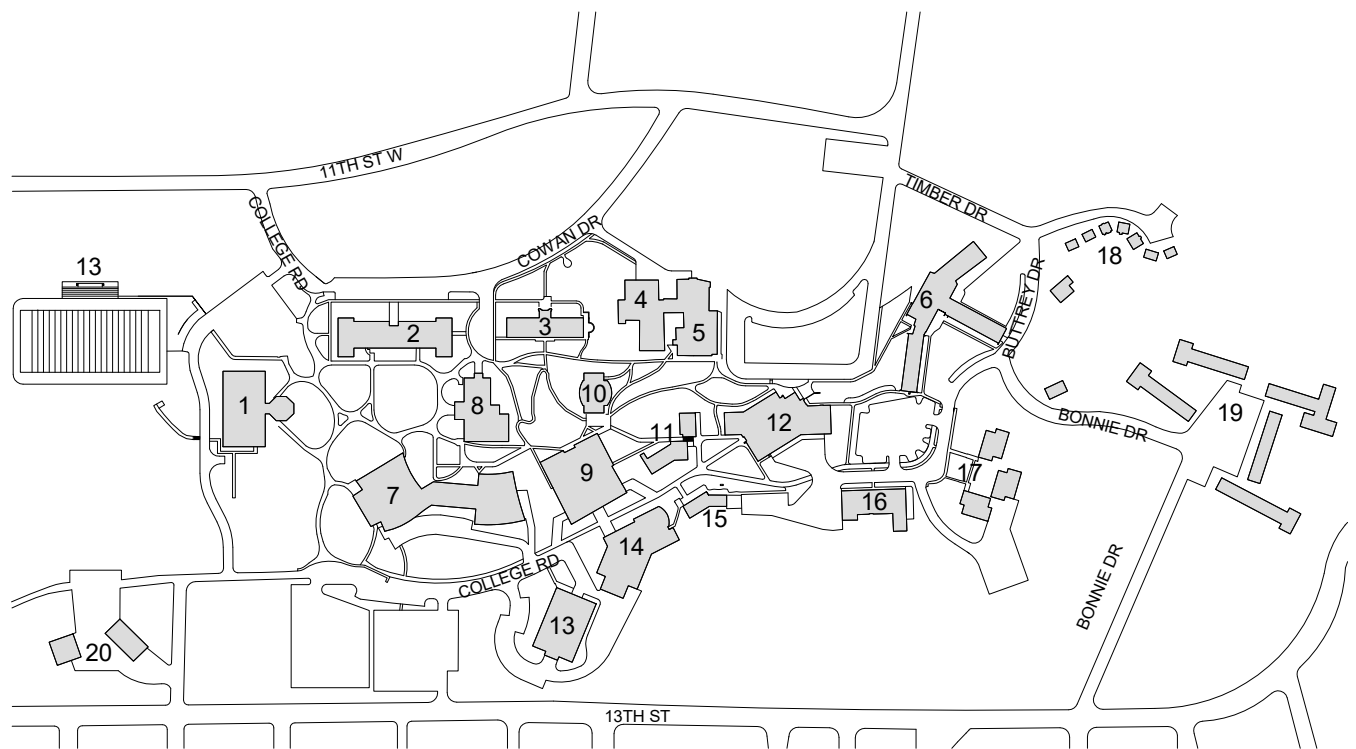
**MONTANA STATE UNIVERSITY - BILLINGS**  
BILLINGS, MONTANA



### LEGEND

1 Wool Lab	14 Leon Johnson Hall	29 Vis Com Bldg	43 Hedges North
2 Langford Hall	15 Linfield Hall	30 Gaines Hall	44 McCall Hall
3 Johnstone Center	16 Taylor Hall	31 Romney Hall	45 Howard Hall
4 Rendezvous Dining Pavilion	17 Animal Resources	32 Marga Hoseaus Fitness Ctr	46 Cheever Hall
5 Chem & Biochem Research	18 Lewis Hall	33 Foundation & Alumni Ctr	47 Haynes Hall
6 Hapner Hall	19 Cooley Lab	34 Brick Breeden Fieldhouse	48 ASMSU Day Care Ctr
7 Quads	20 Sherrick Hall	35 Tennis Facility	49 Plant Growth Center
8 Hannon Hall	21 Reid Hall	36 Heating Plant	50 Plant Bioscience
9 Herrick Hall	22 Traphagen Hall	37 Plew Physical Plant	51 Animal Bioscience
10 Danforth Chapel	23 Renne Library	38 Forest Products Lab	52 Jake Jabs Hall
11 Wilson Hall	24 Strand Union	39 Campus Stores	53 Norm Asbjornson Innovation Center
12 Hamilton Hall	25 A.J.M. Johnson Hall	40 Roskie Hall	54 Parking Garage
13 Montana Hall	26 Roberts Hall	41 Hedges South	55 American Indian Hall
	27 Cobleigh Hall	42 Food Service	56 Bobcat Athletic Ctr
	28 Barnard Hall		

**MONTANA STATE UNIVERSITY**  
BOZEMAN, MONTANA

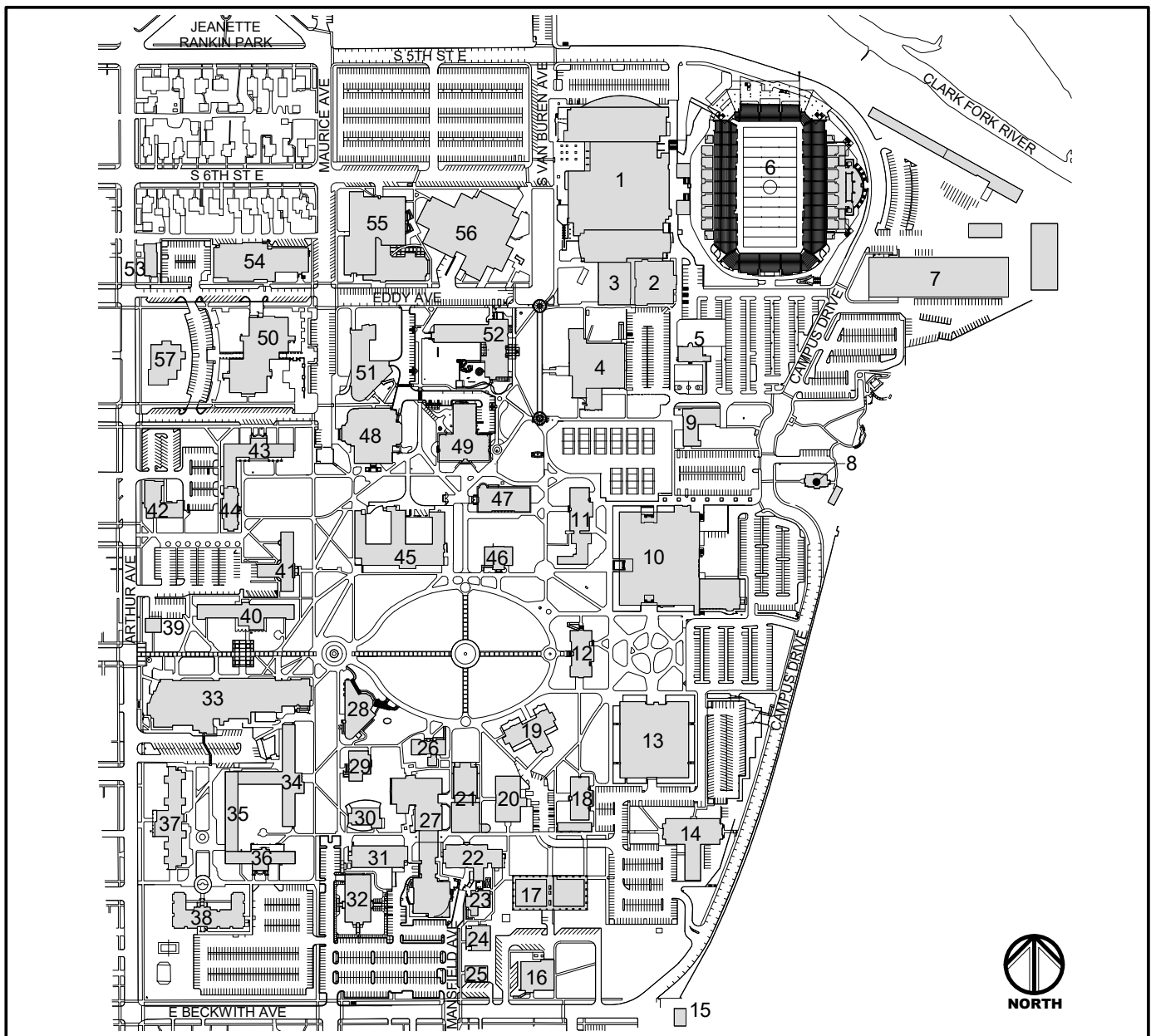


## LEGEND

- |                          |                              |
|--------------------------|------------------------------|
| 1 Hagener Science Center | 12 Diesel Technology Center  |
| 2 Cowan Hall             | 13 Farm Mechanics            |
| 3 Donaldson Hall         | 14 Applied Technology Center |
| 4 Food Service           | 15 Auto Diagnostics          |
| 5 Student Union Building | 16 Metals Technology         |
| 6 Morgan Hall            | 17 MacKenzie Hall            |
| 7 Armory Gym             | 18 Staff Housing             |
| 8 Vande Bogart Library   | 19 Family Housing            |
| 9 Brockmann Center       | 20 Physical Plant            |
| 10 Pershing Hall         |                              |
| 11 Electronics           |                              |

**MONTANA STATE UNIVERSITY - NORTHERN**  
HAVRE, MONTANA

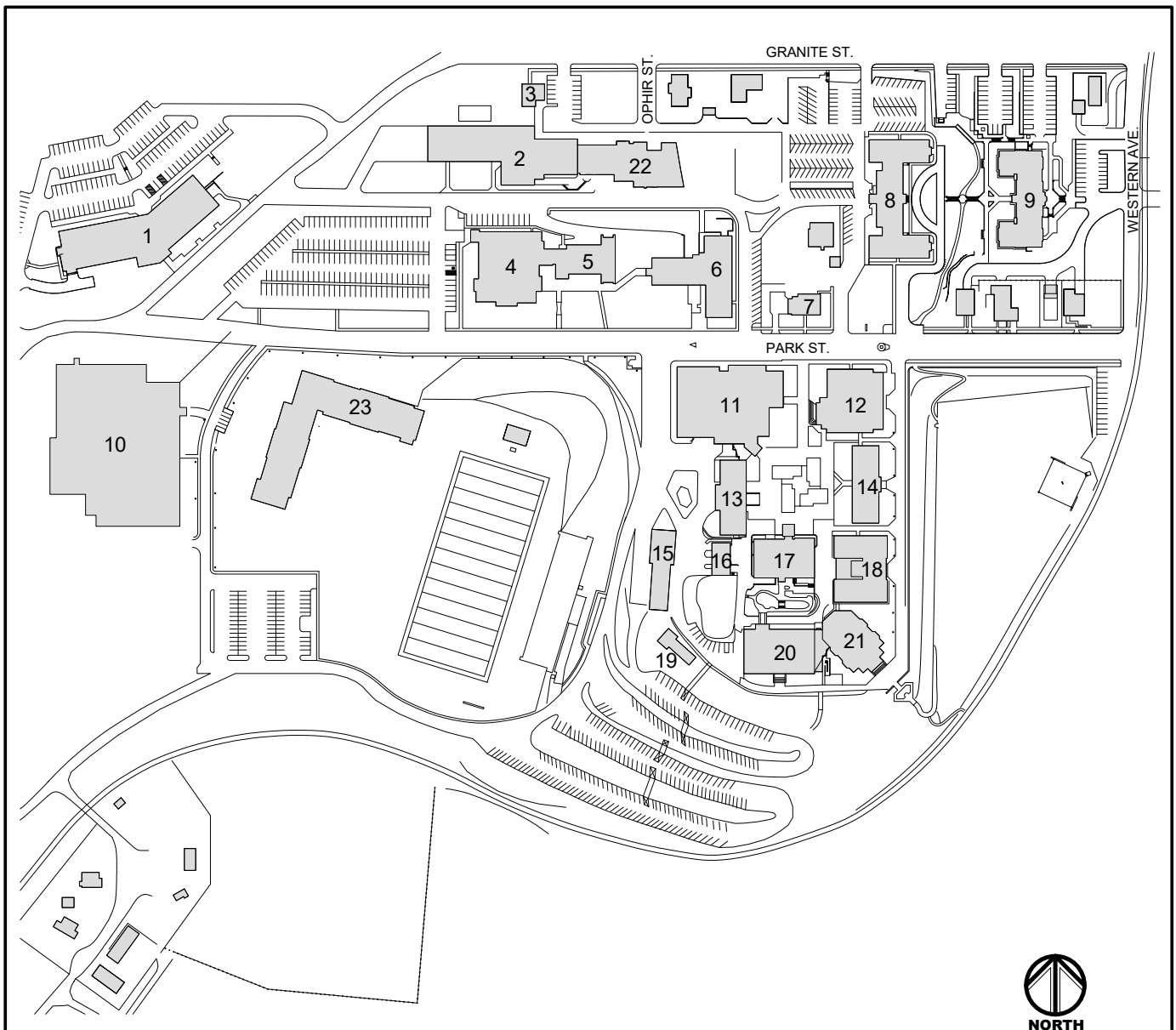




### LEGEND

1 Adams Center	16 US Forest Service	31 Health Sciences	45 Liberal Arts
2 Grizzly Pool	17 Clapp Building	32 Interdisciplinary Science Bldg	46 Rankin Hall
3 Art Annex	18 Forestry	33 Emma B Lommasson Ctr	47 Anderson Hall
4 McGill Hall	19 Davidson Honors College	34 Craig Hall	48 Fine Arts
5 Heating Plant	20 Stone Hall	35 Duniway Hall	49 Social Sciences
6 Stadium	21 Urey Lecture Hall	36 Elrod Hall	50 Gallagher Building
7 Facility Services	22 Chemistry Building	37 Miller Hall	51 Music
8 Prescott House	23 Chem Stores	38 Pantzer Hall	52 Washington Education Center
9 Aber Hall	24 Clinical Psychology Ctr	39 O'Conner Center	53 International Residence
10 University Center	25 Leopold Institute	40 Knowles Hall	54 Curry Health Center
11 Botany	26 Mathematics	41 Turner Hall	55 School of Law
12 University Hall	27 Skaggs Building	42 Jesse Hall	56 PAR / TV
13 Library	28 Native American Center	43 Brantly Hall	57 Gilkey Executive Education Bldg.
14 Schreiber Gymnasium	29 International Center	44 Corbin Hall	
15 Veterans Education	30 Bio Research		

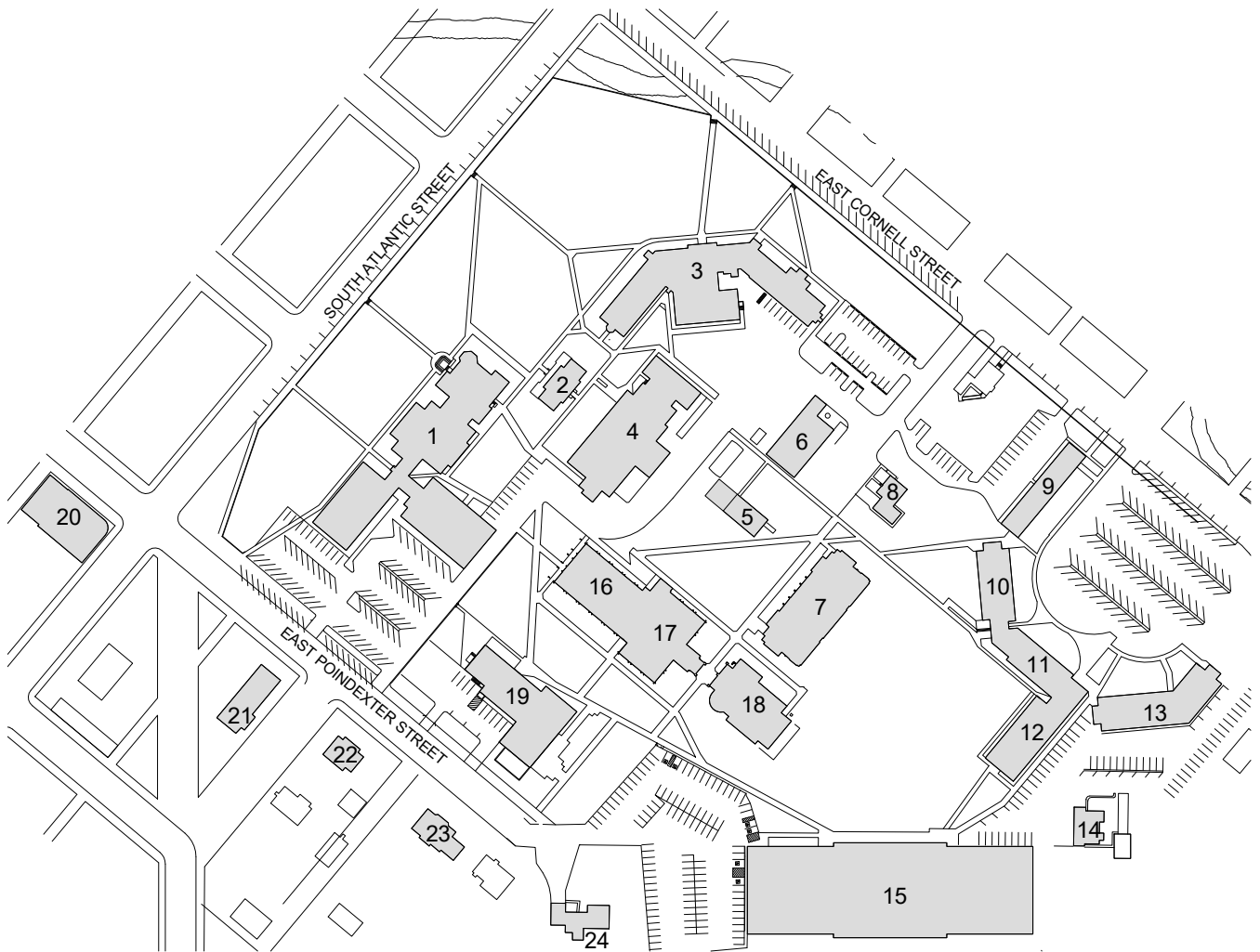
**UNIVERSITY OF MONTANA**  
MISSOULA, MONTANA



### LEGEND

- |                               |                                      |
|-------------------------------|--------------------------------------|
| 1 Natural Resources Building  | 13 Health Sciences Building          |
| 2 Engineering Lab / Classroom | 14 Engineering Hall                  |
| 3 University Relations Center | 15 Heating Plant                     |
| 4 Library                     | 16 Physical Plant Building           |
| 5 Auditorium                  | 17 Mill Building                     |
| 6 Mining/Geology Building     | 18 Main Hall                         |
| 7 Chancellor's Residence      | 19 Greenhouse                        |
| 8 Prospector Hall             | 20 Chemistry / Biology Building      |
| 9 Centennial Hall             | 21 Museum Building                   |
| 10 HPER                       | 22 Natural Resources Research Center |
| 11 Student Union Building     | 23 Living Learning Center            |
| 12 Science & Engineering      |                                      |

**MONTANA TECH OF THE UNIVERSITY OF MONTANA**  
BUTTE, MONTANA



### LEGEND

- |                                  |                                  |
|----------------------------------|----------------------------------|
| 1 Main Hall Complex              | 13 Clark Residence Hall          |
| 2 Rowe House                     | 14 Residence                     |
| 3 Mathews Residence Hall         | 15 Bulldog Athletic & Rec Center |
| 4 Business & Technology Building | 16 Short Center                  |
| 5 Facility Services              | 17 Carson Library                |
| 6 Heating Plant                  | 18 Swysgood Technology Center    |
| 7 Block Hall                     | 19 Student Union Building        |
| 8 Daycare                        | 20 Emerick Art Studio            |
| 9 Family Housing                 | 21 South Campus Housing          |
| 10 Jordan Residence Hall         | 22 Equine Studies                |
| 11 Davis Residence Hall          | 23 Dean of Students              |
| 12 Centennial Residence Hall     | 24 Chancellor's Residence        |

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DILLON, MONTANA