

Department of Public Safety Headquarters,
Carson City



UNLV College of Engineering
Academic and Research Building



Nevada Department of Motor Vehicles
Silverado Ranch, Las Vegas



STATE PUBLIC WORKS BOARD
Recommended Capital Improvement Program
2023 - 2025

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Governor



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STATE OF NEVADA
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PUBLIC WORKS DIVISION

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January 17, 2023

Members of the Senate and Assembly
82nd Session
Nevada State Legislature
Capitol Complex, Carson City, Nevada

RE: Governor's Recommended Capital Improvement Program 2023

In accordance with NRS 341.083, I am pleased to present the Governor's Recommended Capital Improvement Program (Recommended 2023 CIP) for your consideration. The Recommended 2023 CIP is the culmination of the tireless efforts of State agencies, the Public Works Board, and its staff. These efforts include the analysis of agency requests, agency presentations and Board hearings, development of priorities, and the incorporation of recommendations from the Executive Branch.

The Recommended 2023 CIP is comprised of 'critical' projects, which address the need for proper up-keep of State-owned buildings and the ever-present concern over inopportune building system failures. These projects are recommended because their implementation provides for proper building system maintenance in support of the State's programs and functions. Other projects include the construction of certain 2021 CIP planning projects, continuation of agency projects, new planning and construction projects, which includes new office space for State employees.

Projects are organized into groups with the following letter identifiers: "C" for Major Construction projects, "P" for Planning projects, "M" for Maintenance projects and "S" for Statewide projects. "State Funding" as used in the Recommended 2023 CIP primarily consists of general funds and general obligation bonds. "Other Funding" consists of Highway, Federal, and/or agency funding.

The total request for all project categories is \$1,226,211,260 (\$994,639,724 in "State Funding" and \$231,571,537 in "Other Funding").

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Kent A. LeFevre".

Kent A. LeFevre
Administrator

**2023 Capital Improvement Program
Funding Requests by Department
Governor Recommendations**

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Department	Project Count	Total Cost	Other Funding	State Funding
Nevada Department of Administration	37	664,066,947	16,199,912	647,867,035
Nevada Department of Conservation & Natural Resources	6	7,430,250	857,125	6,573,125
Nevada Department of Corrections	19	90,386,401	0	90,386,401
Nevada Department of Health and Human Services	3	60,516,422	0	60,516,422
Nevada Department of Motor Vehicles	3	109,479,087	109,479,087	0
Nevada Department of Public Safety	1	17,555,614	5,793,353	11,762,261
Nevada Department of Tourism and Cultural Affairs	10	40,095,055	23,309,936	16,785,119
Nevada Department of Veterans Services	7	122,664,169	74,057,124	48,607,045
Nevada Department of Wildlife	1	3,012,526	0	3,012,526
Nevada Office of the Military	8	40,622,197	1,875,000	38,747,197
Nevada System of Higher Education	3	70,382,593	0	70,382,593
Total Projects:	98	1,226,211,260	231,571,537	994,639,724

**2023 Capital Improvement Program
Summary List of Projects
Governor Recommendations**

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High Priority for 2023

Construction

CPMES Rank	Dept.	Div.	Agency	Index Number	Location	Project Name	PM	Other Funding	State Funding	Accum. State Funding	Project Description
C01	Admin	SPWD	B&G	21281	Carson City	Mail Services Building (Carson City)	MNB	0	16,676,099	16,676,099	Design and construct a 13,500 square-foot Mail Services Building on the Capitol Complex.
C02	DMV	DMV	DMV	23020	Las Vegas	Silverado Ranch Facility (Department of Motor Vehicles)	JSP	105,888,623	0	16,676,099	This project is the continuation of 21-P06 and will construct a 73,488 square-foot full service Department of Motor Vehicles facility with Commercial Driver's License services.
C03	Admin	SPWD	B&G	23002	Carson City	Seismic Retrofit and Renovation (Heroes Memorial & Annex)	ALB	0	29,945,200	46,621,299	This project is the continuation of 21-P02 and will construct a seismic retrofit and renovation of the 21,000 square-foot Heroes Memorial Building and Annex.
C04	Military	NArmyNG	NArmyNG	23091	Stead	Remodel Army Aviation Support Facility Administration Building (Harry Reid Training Center)	MNB	1,875,000	1,559,953	48,181,252	Interior remodel of the Army Aviation Support Facility Administration Building to meet the units' mission and needs.
C05	Admin	Fleet Services	Fleet Services	7637	Las Vegas	Southern Nevada Fleet Services Maintenance Building (Grant Sawyer Site)	KEN	0	12,315,056	60,496,308	This project is the continuation of 17-P04 and will construct a 6,150 square-foot Fleet Services Division maintenance facility.
C06	NDVS	VetHome	SNSVH	23148	Boulder City	Remodel and Addition (Southern Nevada State Veterans Home)	MML	63,957,628	35,831,018	96,327,326	This project is a continuation of 21-P03 and will remodel and expand the Southern Nevada State Veterans Home.
C07	DMV	DMV	DMV	23023	Carson City	Renovate Customer Counters Millwork and Install Exterior Self Service Kiosk (Department of Motor Vehicles, Carson City)	MNB	2,668,431	0	96,327,326	This project will renovate the existing customer counter millwork and information desks and install an exterior built-in self-service kiosk.
C08	CNR	Forestry	Forestry	21009	Spring Creek	Residence/ Fire Station Demolition (Spring Creek Fire Station)	IHK	107,125	621,074	96,948,400	Demolition of two former fire house sites, limited site restoration, and seasonal parking.
C09	Military	NArmyNG	NArmyNG	23092	Stead	Ground Support Equipment Shop (Harry Reid Training Center)	MNB	0	2,037,585	98,985,985	This project is the continuation of 23-A015 and will design and construct a ground support equipment shop for the Army Aviation Support Facility (AASF) at the Harry Reid Training Center.

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C10	DMV	DMV	DMV	23030	Las Vegas	Construct Secure Parking (Department of Motor Vehicles, Flamingo)	JSP	922,033	0	98,985,985	Construct a secure parking area for state owned vehicles.
C11	Military	NArmyNG	NArmyNG	23083	North Las Vegas	Physical Training Facilities (Floyd Edsall Training Center)	KEN	0	3,887,595	102,873,580	This project is the continuation of 23-A007 and will design and construct a physical training facilities area at the Floyd Edsall Training Center site.
C12	T&CultAffr	MusHist	MusHist	23172	Ely	Remodel Freight Barn (East Ely Railroad Museum)	KEN	0	7,704,288	110,577,868	This project is the continuation of 22-A007 and will construct improvements to the East Ely Railroad Freight Barn.
C13	NDVS	VetCem	NNVMC	7643	Fernley	Committal Building (Northern Nevada Veterans Memorial Cemetery)	ALB	0	3,451,011	114,028,879	This project will design and construct a 2,180 square-foot structure to conduct memorial and internment services at a second location on the cemetery grounds.
C14	NDOC	Correctional	SDCC	21073	Indian Springs	Communications Room Expansion (Southern Desert Correctional Center)	MML	0	1,009,060	115,037,939	Expand the communications room to accommodate existing and future equipment.
C15	Admin	LibArch	LibArch	23305	Carson City	Basement Tenant Improvement (Nevada State Library and Archives)	ALB	0	4,302,195	119,340,134	Tenant improvement to a portion of the basement in the Nevada State Library Archives building.
C16	Admin	SPWD	B&G	21036	Carson City	Office Renovation (Department of Education Building)	ALB	0	2,190,806	121,530,940	Design and remodel the northeast portion of the Education Building from storage into office space.
C17	Admin	SPWD	B&G	23285	Las Vegas	Microwave Tower Relocation (Grant Sawyer Office Building)	WJL	0	4,260,281	125,791,221	Construct a microwave tower at the Nevada Department of Transportation campus located in Las Vegas.
C18	Admin	SPWD	B&G	23292	Las Vegas	Construct Parking Expansion (Grant Sawyer Office Building Site)	MJM	0	1,792,630	127,583,851	Construct a parking expansion on the Grant Sawyer Office Building site to accommodate occupants and visitors during and after the construction of the Administration Building planned for the site.
C19	Admin	SPWD	B&G	7229	Carson City	Demolition of Cottages (Northern Nevada Children's Home)	IHK	0	1,384,717	128,968,568	Demolition of structures except for the historic gymnasium and limited site restoration/ landscaping.

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Construction

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C20	T&CultAffr	MusHist	MusHist	7247	Boulder City	Visitor's Center (Nevada State Railroad Museum, Boulder City)	KEN	23,309,936	0	128,968,568	This project is the continuation of 17-A009 and 22-A007 and will construct a Visitor's Center at the Nevada State Railroad Museum in Boulder City.
C22	Admin	SPWD	B&G	23302	Carson City	Marlette Dam Rehabilitation (Marlette Lake Water System)	BJW	542,319	9,864,119	138,832,687	Additional Funding to allow full completion of the project scope and escalation to Spring 2024 notice to proceed.
C23	CNR	Parks	Parks	21228	Valley of Fire	Reconfigure West Entrance (Valley of Fire State Park)	WJL	0	1,243,590	140,076,277	Reconfigure west entrance with additional vehicular entrance lane. Upgrade existing fee booth, and provide a new shade structure at point of entry.
C24	Admin	SPWD	B&G	23311	Las Vegas	Bradley Building Demolition	WJL	0	1,660,311	141,736,588	This project will demolish the Bradley Building and perform site restoration.
C25	Military	NArmyNG	NArmyNG	23288	North Las Vegas	Field Maintenance Shop 1 Remodel (Floyd Edsall Training Center)	KEN	0	7,816,439	149,553,027	This project is the continuation of 23-A008 to remodel the Field Maintenance Shop 1 (FMS1).
C27	DHHS	CFS	SVYC	23204	North Las Vegas	Gymnasium Addition and Remodel (Summit View Youth Center)	JSP	0	4,505,952	154,058,979	Addition and remodel at the Summit View Youth Center Gymnasium to add multi-purpose rooms, restroom, air conditioning, and athletic flooring.
C28	Admin	SPWD	B&G	7653	Las Vegas	Administration Building (Sahara Complex)	WJL	0	150,499,098	304,558,077	Design and construct a 130,000 square-foot office building on the Sahara complex.
C29	Admin	SPWD	B&G	19342	Las Vegas	State Office Building (Grant Sawyer Office Site)	WJL	0	186,317,619	490,875,696	Design and construct a 125,000 square-foot state office building and structured parking garage to be located at the Grant Sawyer Office Site.
C30	Admin	SPWD	B&G	7588b	Carson City	Administration Building (Kinhead Building Site)	ALB	0	158,465,753	649,341,449	Design and construct a 130,000 square-foot office building at the Capitol complex.
C32	NDVS	VetHome	NNSVH	23316	Sparks	Storage Building (Northern Nevada State Veterans Home)	MNB	0	2,098,083	651,439,532	Design and construct a 2,400 square-foot storage building at the Northern Nevada State Veterans Home.
C33	Military	NArmyNG	NArmyNG	23317	Las Vegas	Southern Nevada Small Arms Range (Nevada Army National Guard)	BJW	0	17,000,000	668,439,532	Design and construct a small arms range and supporting facilities in Las Vegas.

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High Priority for 2023

Construction

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Construction Totals					Total Projects:	30	Total Funding	199,271,095	668,439,532		

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Planning

CPMES Rank	Dept.	Div.	Agency	Index Number	Location	Project Name	PM	Other Funding	State Funding	Accum. State Funding	Project Description
P01	PubSafe	PubSafe	PubSafe	23050	Carson City	Advance Planning: Headquarters Building (Department of Public Safety)	ALB	5,793,353	11,762,261	680,201,793	This project is the continuation of 21-P04 and will provide design through construction documents for a 161,900 square-foot campus at the Old Carson Armory Site.
P04	NDVS	VetHome	SNSVH	23151	North Las Vegas	Advance Planning: North Las Vegas State Veterans Home	MML	10,099,496	5,438,190	685,639,983	Design through construction documents for a 128 bed, 120,000 square foot State Veterans Home on the Veterans Affairs Sierra Nevada Health Care System campus in North Las Vegas.
P06	DHHS	PBH	SNAMHS	7678	Las Vegas	Advance Planning: Southern Nevada Forensic Facility (Health and Human Services)	JSP	0	18,192,080	703,832,063	Design through construction documents for a 196,000 square-foot forensic facility on the Health and Human Services campus in Las Vegas.
P07	Admin	SPWD	B&G	7239	Carson City	Advance Planning: Seismic Retrofit and Remodel (Old State Armory Building)	ALB	0	1,367,520	705,199,583	Design through construction documents for a seismic retrofit and remodel of the Old State Armory building.
P08	NDOC	Correctional	HDSP	23110	Indian Springs	Advance Planning: Underground Piping Replacement (High Desert State Prison)	GCE	0	2,452,028	707,651,611	Design through construction documents to replace underground heating and chilled water piping at High Desert State Prison.
P09	T&CultAffr	Indian Commission	Indian Commission	19270	Stewart	Advance Planning: Old Gym Building Seismic Stabilization and Rehabilitation (Stewart Facility)	MNB	0	2,026,160	709,677,771	Design through construction documents for a seismic stabilization and rehabilitation of the Old Gym (Building #20) at the Stewart Facility.
Planning Totals					Total Projects:	6	Total Funding	15,892,849	41,238,239		

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Maintenance

CPMES Rank	Dept.	Div.	Agency	Index Number	Location	Project Name	PM	Other Funding	State Funding	Accum. State Funding	Project Description
M01	NSHE	NSHE	NSHE	23164	Var. Locations	Deferred Maintenance (HECC/SHECC)	BJW	0	15,000,000	724,677,771	This project will provide for HECC/SHECC-funded deferred maintenance needs including ADA and life safety.
M02	DHHS	DHHS	DHHS	23313	Statewide	Deferred Maintenance (Department of Health and Human Services)	BJW	0	37,818,389	762,496,160	This project will address Department of Health and Human Services (DHHS) deferred maintenance at locations statewide.
M03	Admin	SPWD	SPWD	23314	Statewide	Deferred Maintenance (Department of Administration)	BJW	0	19,819,157	782,315,317	This project will address Department of Administration (DOA) deferred maintenance at locations statewide.
M04	NDOC	Correctional	SDCC	7290	Indian Springs	Replace Doors, Locks, and Security Glazing (Southern Desert Correctional Center)	MML	0	21,365,841	803,681,158	Replace cell doors, locks, security glazing and install security gates at Housing Units 1, 5, and 6.
M05	T&CultAffr	MusHist	MusHist	23166	Carson City	Life Safety, Security, and Lighting Replacement (Nevada State Museum, Carson City)	JGA	0	1,401,255	805,082,413	Replace fire alarm, security system, interior lighting and install an access control system at the Nevada State Museum.
M06	Wildlife	Wildlife	Wildlife	21248	Ruby Valley	Hatchery Water Intrusion Repairs (Gallagher Fish Hatchery)	JWR	0	3,012,526	808,094,940	Repair damaged concrete wall panels, repair roof support beam, replace skylights, install french drain and install exhaust fan.
M07	Admin	SPWD	B&G	23022	Las Vegas	Warehouse Air Conditioning Upgrade (Department of Motor Vehicles, Flamingo)	GCE	535,254	0	808,094,940	Replace swamp coolers in the warehouse with rooftop air conditioning units.
M08	NDOC	Correctional	HDSP	7198	Indian Springs	Install Security Cameras (High Desert State Prison)	JKF	0	5,527,956	813,622,896	Install cameras, workstations and digital storage at High Desert State Prison.
M09	NDVS	VetHome	SNSVH	23149	Boulder City	Walk-in Cooler and Freezer Replacement (Southern Nevada State Veterans Home)	GCE	0	503,680	814,126,576	Replacement of walk-in cooler and walk-in freezer at the Southern Nevada State Veterans Home.
M10	T&CultAffr	MusHist	HistSoc	23168	Reno	Upgrade Security, Fire and Life Safety, and Electrical Systems (Nevada Historical Society)	JGA	0	1,919,083	816,045,659	Project will update security, fire and life safety, electrical, and telecom systems at the Historical Society Building located in Reno.
M11	NDVS	VetHome	SNSVH	23150	Boulder City	Replace Cooling Tower Piers (Southern Nevada State Veterans Home)	KEN	0	390,222	816,435,880	Remove and replace cooling tower piers at the Southern Nevada State Veterans Home.

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Maintenance

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M13	NDOC	Correctional	NNCC	23106	Carson City	Replace Surveillance Camera System (Northern Nevada Correctional Center)	JGA	0	3,182,837	819,618,717	Replace and augment existing surveillance camera system at the Northern Nevada Correctional Center.
M14	NDOC	Correctional	LCC	7083	Lovelock	Replace Surveillance Camera System (Lovelock Correctional Center)	JGA	0	3,160,020	822,778,737	Replace surveillance cameras, monitors, and recording equipment at the Lovelock Correctional Center.
M15	NDVS	VetCem	SNVMC	7619	Boulder City	Chapel Remodel (Southern Nevada Veterans Memorial Cemetery)	JSP	0	894,842	823,673,579	Remodel the exterior and interior with ceiling replacement, interior and exterior patch and paint, install protective bollards, replace windows and door hardware, and remove an operable partition.
M16	T&CultAffr	MusHist	HistSoc	23179	Reno	Building Seismic Retrofit & Envelope Maintenance (Nevada Historical Society)	MNB	0	1,434,832	825,108,411	Design and construct building seismic retrofit. Repair and paint building envelope to maintain building integrity and state assets.
M17	NDOC	Correctional	SDCC	23105	Indian Springs	Install Fiber Optic Loop (Southern Desert Correctional Center)	JKF	0	2,016,639	827,125,050	This project will replace the aging Cat-5 network backbone cabling throughout the entire facility of Southern Desert Correctional Center.
M18	Military	NArmyNG	NArmyNG	23054	Carson City	HVAC System Renovation (Combined Support Maintenance Shop)	BJB	0	1,041,259	828,166,309	This project is the continuation of 23-A013 and will replace rooftop units, heating/ventilation units, makeup air units, and exhaust fans at the Combined Support Maintenance Shop in Carson City.
M19	T&CultAffr	MusHist	MusHist	23182	Las Vegas	Repair Freight Elevator (Nevada State Museum, Las Vegas)	WJL	0	143,017	828,309,326	Replace the damaged hydraulic shaft in the freight elevator to return the elevator to a safe and operable condition.
M20	T&CultAffr	MusHist	RR_Mus	23181b	Ely	Depot Building Foundation Stabilization (East Ely Railroad Museum)	KEN	0	821,347	829,130,673	Provide foundation stabilization of the East Ely Depot building.
M21	Military	NArmyNG	NArmyNG	23066	Las Vegas	Site Drainage Improvements (Las Vegas Readiness Center)	AFS	0	969,411	830,100,084	This project is the continuation of 23-A006 and will construct a drainage channel, box culvert, and parking area at the Las Vegas Readiness Center.

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M22	Admin	SPWD	B&G	23021	Carson City	Seismic Replacement of Raised Server Room Floor (Department of Motor Vehicles, Carson City)	JGA	321,327	0	830,100,084	Replace non-seismic rated server room raised floor system at the Carson City Department of Motor Vehicles Computer Facility.
M23	Admin	SPWD	B&G	23290	Las Vegas	Central Plant Replacement (Department of Motor Vehicles, Decatur)	GCE	1,500,870	0	830,100,084	Replace central plant heating water and chilled water equipment and piping.
M24	NDOC	Correctional	NNCC	23113	Carson City	Boiler Plant Renovation (Regional Medical Facility, Northern Nevada Correctional Center)	BJB	0	1,212,846	831,312,930	Replace boilers, water heater, pumps, piping, and associated temperature controls at the Regional Medical Facility in Carson City
M25	Admin	SPWD	B&G	23028	Las Vegas	Replace Door Access Controls and Security System (Department of Motor Vehicles, Decatur)	JKF	925,434	0	831,312,930	Replace door access controls, panic buttons and security system at Decatur DMV.
M26	NDOC	Correctional	LCC	23114	Lovelock	Chilled and Hot Water Building Piping Renovation (Lovelock Correctional Center)	TJD	0	3,576,991	834,889,921	Replace chilled and hot water piping, pumps, control valves, and associated temperature controls in several buildings at Lovelock Correctional Center.
M27	NDOC	Correctional	WSCC	19340	Carson City	HVAC Systems Renovation (Multi-Purpose Building, Warm Springs Correctional Center)	BJB	0	903,742	835,793,663	Replace package rooftop units and add make-up air unit to the Multi-Purpose Building at the Warm Springs Correctional Center in Carson City.
M28	Admin	SPWD	B&G	23029	Las Vegas	Replace Surveillance Cameras, Door Access Controls and Security System (Department of Motor Vehicles, Flamingo)	JKF	2,224,781	0	835,793,663	Replace surveillance cameras, door Access controls, and security system at Flamingo DMV.
M29	NDOC	Correctional	SDCC	21074	Indian Springs	Electrical Service Upgrade (Southern Desert Correctional Center)	JKF	0	1,303,647	837,097,310	Remove backup generator, electrical service and meter and place housing Units 11 and 12 on existing campus power system at Southern Desert Correctional Center.
M30	CNR	Parks	Parks	23041	Lake Tahoe/Sand Harbor	Replace Comfort Station #4 (Sand Harbor State Park)	TJD	750,000	1,178,650	838,275,961	Remove and replace the comfort station at Sand Harbor, Lake Tahoe Nevada State Parks.
M31	CNR	Parks	Parks	7100	Lake Tahoe/Sand Harbor	Replace Comfort Stations #5 and #6 (Sand Harbor State Park)	TJD	0	1,997,316	840,273,277	Replace Comfort Stations #5 and #6 with prefabricated restrooms at the Sand Harbor State Park, Lake Tahoe.

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M32	NDOC	Correctional	LCC	23119	Lovelock	Wastewater System Improvements (Lovelock Correctional Center)	AFS	0	10,652,825	850,926,102	This project is a continuation of 21-P07 and will construct wastewater system improvements at the Lovelock Correctional Center.
M33	Admin	SPWD	B&G	7468	Carson City	Rehabilitate Historic Fence and Lighting (State Capitol Plaza)	ALB	0	1,270,366	852,196,467	Provide critical maintenance, repairs and restoration of the historic fence and lighting surrounding the Capitol Building.
M34	CNR	Forestry	Forestry	7572	Ely	Security Upgrades (Ely Industrial Shop)	KEN	0	830,047	853,026,514	Provide shop, office and yard security upgrades with security cameras and barbed wire at Ely Industrial Shop facility.
M35	NDOC	Correctional	LCC	7118	Lovelock	Direct Digital Control System Upgrade (Lovelock Correctional Center)	TJD	0	2,772,885	855,799,399	Replace existing direct digital control system at the Lovelock Correctional Center.
M36	CNR	Forestry	Forestry	7562	Elko	Install Emergency Generator (Northern Region 2 Headquarters)	JGA	0	702,448	856,501,847	Install emergency generator, automatic transfer switch and concrete pad at the Division of Forestry Northern Region 2 Headquarters.
M37	NSHE	DRI	DRI	23160	Reno	Chilled Water Central Plant Renovation (Desert Research Institute, Northern Nevada Science Center)	TJD	0	5,382,593	861,884,440	Replace water-cooled chillers, cooling towers, pumps, piping, and associated temperature control system at DRI Northern Nevada Science Center in Reno.
M38	NDOC	Correctional	ESP	21058	Ely	Culinary Building Plumbing Replacement (Ely State Prison)	GCE	0	3,789,345	865,673,785	This project will replace the plumbing in the crawlspace below the culinary/laundry spaces in Building 10 at the Ely State Prison.
M40	NDOC	Correctional	HDSP	21082	Indian Springs	Water Controls Replacement (High Desert State Prison)	GCE	0	7,363,878	873,037,663	This project will replace water controls to each inmate cell for housing Units 1 through 12.
M41	NDOC	Correctional	NNCC	23101	Carson City	Recreation Yard Cages (Northern Nevada Correctional Center)	MML	0	2,469,843	875,507,506	Install eighteen individual sized recreation cages at Housing Unit 7.
M42	T&CultAffr	MusHist	MusHist	7390	Carson City	Upgrade Heating and Air Conditioning (Marjorie Russell Research Center)	IHK	0	269,066	875,776,572	Upgrade heating and air conditioning systems at the Marjorie Russell Research Center.

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M43	T&CultAffr	MusHist	MusHist	7391	Carson City	HVAC System Renovation (Indian Hills Curatorial Center)	BJB	0	1,066,071	876,842,643	Replace the existing heating systems and install air conditioning systems at the Indian Hills Curatorial Center.	
M44	NDOC	Correctional	SDCC	7075	Indian Springs	Upgrade Perimeter Security Fence (Southern Desert Correctional Center)	MML	0	10,633,595	887,476,238	This project will upgrade the perimeter security fence with an additional fence and upgrade portions of the existing fence.	
M45	Admin	SPWD	B&G	23315	Carson City	HVAC Systems Renovation (Governor's Mansion)	TJD	0	2,396,252	889,872,490	Replace chilled and hot water plants, rooftop units, temperature control system, and associated electrical at the Governor's Mansion and Nevada Room in Carson City.	
M46	Admin	SPWD	B&G	19018	Carson City	East Slope Transmission Main Upgrade (Marlette Lake Water System)	AFS	0	9,127,297	898,999,787	Replace transmission main from Tunnel Catchment to Diversion Dam.	
M47	Military	NArmyNG	NArmyNG	23056	Carson City	HVAC Systems Renovation (Emergency Operations Center)	BJB	0	4,434,955	903,434,742	Replace boilers, chiller, air handling units, VAV terminal units, piping, and associated temperature controls at the Emergency Operations Center in Carson City	
M48	NDOC	Correctional	LCC	7180b	Lovelock	Housing Units 1 thru 4 Plumbing Fixture Water Control Renovations (Lovelock Correctional Center)	TJD	0	5,585,892	909,020,634	Replace existing fixture water saving control systems, piping, and valves at the Lovelock Correctional Center.	
M49	NDOC	Correctional	ESP	21070	Ely	Install Site Security Cameras (Ely State Prison)	JKF	0	1,406,531	910,427,165	Install parking lot and perimeter road security cameras at Ely State Prison.	
M50	Admin	SPWD	SPWD	7674	Carson City	Door Hardware Replacement (Nevada State Capitol)	ALB	0	1,844,028	912,271,193	Replace all door hardware, locksets and hinges, on all interior and exterior doors throughout the Capitol Building.	
M51	NSHE	NSHE	NSHE	21184	Var. Locations	Additional Deferred Maintenance (NSHE)	BJW	0	50,000,000	962,271,193	This project will provide for additional deferred maintenance needs including ADA and life safety.	
Maintenance Totals					Total Projects:	49	Total Funding	6,257,666	252,593,422			

**2023 Capital Improvement Program
Summary List of Projects
Governor Recommendations**

Monday, January 16, 2023
7:04 PM

High Priority for 2023

Statewide											
CPMES Rank	Dept.	Div.	Agency	Index Number	Location	Project Name	PM	Other Funding	State Funding	Accum. State Funding	Project Description
S01	Admin	Admin	Admin	23501	Statewide	Statewide Roofing Program	AJL	0	8,706,087	970,977,280	Roofing replacement and repairs at various buildings.
S01g	Admin	SPWD	SPWD	23090	Reno	Reroof Plumb Lane Readiness Center	AJL	319,983	127,044	971,104,324	Replace single-ply roofing at the Plumb Lane Readiness Center.
S01h	Admin	Admin	Admin	19074	Las Vegas	Roofing Replacement, Express Office Building (Department of Motor Vehicles, Donovan)	HAP	191,025	0	971,104,324	This project will provide for a Décor style single ply roofing system over the existing metal roof.
S02	Admin	SPWD	SPWD	23502	Statewide	Statewide ADA Program	MCR	0	4,410,352	975,514,676	Access as required by Title II of the Americans with Disabilities Act.
S03	Admin	SPWD	SPWD	23503	Statewide	Statewide Fire and Life Safety	BBM	0	8,304,573	983,819,249	Fire alarm and fire sprinkler systems installations and upgrades.
S03g	Admin	SPWD	SPWD	23503g1	Statewide	Statewide Fire and Life Safety Program - Nevada Army National Guard	BBM	1,974,389	1,456,639	985,275,888	Fire alarm replacements and fire suppression installations for the Nevada Army National Guard.
S04	Admin	SPWD	SPWD	23504	Statewide	Statewide Advance Planning Program	BJW	0	2,605,703	987,881,591	Necessary studies to formulate future capital improvements programs.
S05	Admin	SPWD	SPWD	23505	Statewide	Statewide Paving Program	MJM	0	5,994,892	993,876,483	Design, construct and maintain pavements throughout the state.
S05g1	Admin	SPWD	SPWD	23505g1	Statewide	Statewide Paving Program (Nevada Army National Guard)	MJM	552,562	650,857	994,527,340	Design, construct, and maintain pavements at Nevada National Guard facilities throughout the State.
S05g2	Admin	SPWD	SPWD	23085	Stead	Apron Pavement Preservation (Harry Reid Training Center)	MJM	713,378	53,523	994,580,863	Crack seal, slurry and restripe pavement at the Army Aviation Support Facility Apron.
S05h	Admin	SPWD	SPWD	23505h	Statewide	Statewide Paving Program (Highway Funding)	MJM	1,796,090	0	994,580,863	Design, construct and maintain pavements throughout the state.
S06	Admin	SPWD	SPWD	23506	Statewide	Statewide Indoor Air Quality - Environmental Program	BJW	100,000	58,861	994,639,724	Mitigation of asbestos, lead, mold, water quality, and indoor air quality issues.
S09	Admin	SPWD	SPWD	23509	Statewide	Statewide Building Official Program	BJW	4,502,500	0	994,639,724	Continue to allow the SPWD to accept fees not authorized in the CIP as required to pay for contracted plan review and inspection services on those projects.
Statewide Totals						Total Projects:	13	Total Funding	10,149,927	32,368,531	
High Priority for 2023 Totals						Total Projects:	98	Total Funding	231,571,537	994,639,724	

Totals	Total Projects:	98	Total Funding	231,571,537	994,639,724	
			Grand Total		1,226,211,260	

**2023 Capital Improvement Program
Summary List of Projects
Governor Recommendations**

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Construction

High Priority for 2023

Project No: C01 **Title:** Mail Services Building (Carson City)

Description: Design and construct a 13,500 square-foot Mail Services Building on the Capitol Complex.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** MNB

State: 16,676,099
Agency: 0
Federal: 0
Other: 0
Total: 16,676,099

Project Group: Offices or Dorms **Building Area:** 13,500 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	960,010	1,130,148	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	25,000	27,125		
Soils Analysis	10,500	11,393		
Materials Testing Services	173,194	203,889		
Structural Plan Check	4,907	5,324		
Mechanical Plan Check	7,557	8,199		
Electrical Plan Check	6,534	7,089		
Civil Plan Check	4,057	4,402		
ADA Plan Check	4,377	4,749		
Fire Marshal Plan Check	18,017	19,548		
Code Compliance Plan Check	23,883	25,913		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	528,524	528,524		
3rd Party Commissioning	29,500	34,728		
FF&E Design Fee	30,500	35,905		
Programming & Conceptual Design	50,000	58,861		
Subtotal	1,876,560	2,105,797		
Construction Costs				
Construction	10,227,790	12,040,410		Construction Cost Detail: 1 Mail Services Building (13,500 sf@ \$665/sf) 8,977,500 2 Site Improvements (1.25 ac@ \$21/sf) 1,143,450 3 Building Demolition (2,592 sf@ \$20/sf) 51,840 4 Compressed Air System 35,000 5 Dust Control System 20,000 <hr/> Total 10,227,790 <hr/> Total 10,227,790
Construction Contingency	1,022,779	1,204,041		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	207,304	244,043		
Utility Connection Fees	220,000	258,990		
Data/Telecom Wiring	64,800	76,284		
Furnishings and Equipment	610,000	718,107		
Roof Maint. Agreement	0	0		
Local Government Requirements	20,000	23,545		
Hazardous Material Abatement	0	0		
Subtotal	12,372,673	14,565,420		
Miscellaneous				
Advertising	3,083	3,630		
Printing	1,063	1,252		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	4,146	4,882		
Total Project Cost	14,253,379	16,676,099		

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) = 16.22
 Estimated Inflation (%/year) = 2.70%
 Project Area (sf) = 13,500
 Life Cycle (years) = 30
 Operation & Maintenance Cost = 9,925,748
 Construction Cost = 16,676,099
 Total Life Cycle Cost = 26,601,847

Project No: C01 Title: Mail Services Building (Carson City)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct a 13,500 square-foot Mail Services Building on the Capital Complex. The building will include a mail room, administrative offices, reception, support spaces and a loading dock. The proposed location is north of the existing Mail Services building at the intersection of East 5th Street and South Roop Street in Carson City and will include site improvements such as a parking lot and access roads. The project also includes the demolition of two older manufactured buildings that are currently used for storage.

Project Justification:

The volume of work performed by Mail Services has increased and continues to increase requiring the need to add additional large scale equipment and staff. The existing spaces can not adapt for circulation and required clearances needed for operating the equipment. Due to the limitation of space, long term storage, supplies and mobile racks must be stored on the mail service floor next to equipment and working staff. Services include pickup, processing and delivering interoffice mail and mail that is delivered by the United States Postal Service. Mail Services processes over 51,000 pieces of mail each day and offers services such as folding, inserting, addressing and bulk mailing.

Background Information:

The existing State Mail Services Building is 8,137 square-feet and was built in 1953. Pursuant to State Administrative Manual chapter 1202, all state agencies shall use the Mail Services unless the Director of the Department of Administration provides specific exemption.

Project No: C02 **Title:** Silverado Ranch Facility (Department of Motor Vehicles)

Description: This project is the continuation of 21-P06 and will construct a 73,488 square-foot full service Department of Motor Vehicles facility with Commercial Driver's License services.

Funding Summary

Department: DMV **Division:** DMV
Agency: DMV **Project Mgr:** JSP

State: 0
Agency: 105,888,623
Federal: 0
Other: 0
Total: 105,888,623

Project Group: Offices or Dorms **Building Area:** 73,488 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
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	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	2,032,510	2,327,021	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	315,418	361,122	1 Public DMV Facility (60,973 sf@ \$695/sf) 42,376,235
Structural Plan Check	0	0	2 CDL Service Facility (12,515 sf@ \$800/sf) 10,012,000
Mechanical Plan Check	0	0	3 DMV Site Improvements (12 ac@ \$19/sf) 9,931,680
Electrical Plan Check	0	0	4 CDL Site Improvements (8 ac@ \$19/sf) 6,621,120
Civil Plan Check	0	0	5 Photovoltaic System 3,690,000
ADA Plan Check	0	0	6 Mechanical Design Upgrades 2,090,000
Fire Marshal Plan Check	0	0	7 Off Site Improvements (4 ac@ \$11/sf) 1,916,640
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	Total 76,637,675
PWD Project Mgmt & Inspection	1,504,103	1,504,103	
3rd Party Commissioning	95,534	109,377	Total 76,637,675
FF&E Design Fee	95,797	109,678	
Subtotal	4,043,362	4,411,301	

Construction Costs			
Construction	76,637,675	87,742,474	
Construction Contingency	7,663,768	8,774,247	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	120,000	137,388	
Utility Connection Fees	0	0	
Data/Telecom Wiring	352,742	403,855	
Furnishings and Equipment	3,831,884	4,387,124	
Roof Maint. Agreement	25,000	25,000	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	88,631,069	101,470,088	

Miscellaneous			
Advertising	4,699	5,379	
Printing	1,620	1,855	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	6,319	7,234	
Total Project Cost	92,680,750	105,888,623	

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) = 16.22
 Estimated Inflation (%/year) = 2.70%
 Project Area (sf) = 73,488
 Life Cycle (years) = 30
 Operation & Maintenance Cost = 54,031,361
 Construction Cost = 105,888,623
 Total Life Cycle Cost = 159,919,984

Project No: C02 Title: Silverado Ranch Facility (Department of Motor Vehicles)

Agency: Department of Motor Vehicles

Location: Las Vegas

Detail Description:

This project will construct a full service Department of Motor Vehicles (DMV) facility, including Commercial Driver's License (CDL) services, on Silverado Ranch Boulevard in Las Vegas. The building will include customer service stations, classrooms, testing spaces, offices, and waiting areas. Potential site improvements will include a customer parking lot, inspection canopy, motorcycle and CDL testing tracks, and required off site street improvements. The site location for the DMV facility is an approximately 20 acre parcel in Las Vegas, at the southeast corner of Silverado Ranch Boulevard and Valley View Boulevard.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The Donovan CDL Express facility in North Las Vegas is too small to properly accommodate the number of customers who visit the building. Lines of customers can often be seen outside the building, who are frustrated by the time they reach the service counters. The Henderson DMV facility serves over 1,500 customers each day and business practices have changed since the original construction of the facility. The customer service stations need to be upgraded to better fit modern processes, accommodate an expanded array of computer equipment, and address current accessibility requirements at each station. The parking lot at the Henderson DMV is also undersized, resulting in a shortage of available parking spaces. If this project is not funded, extended customer wait times will continue at the Donovan Express CDL facility, which will be exacerbated as haulage contractors in the area continue to increase. Customer service at the Henderson DMV will continue to be constrained by its current facilities, hampering their capacity to optimize the customer service experience, including the ability to provide accessible services for customers with disabilities at each individual station.

Background Information:

The proposed site location is state land. The state acquired the parcel on 8/12/2016 under Recreation and Public Purpose (R&PP) Lease N-92525-01. The lease includes authorization for the development of a CDL course. The plan of development, dated 8/23/2012, that was submitted to the Bureau of Land Management with the R&PP Lease application also includes provisions for future CDL development in the site design.

Project No: C03 **Title:** Seismic Retrofit and Renovation (Heroes Memorial & Annex)

Description: This project is the continuation of 21-P02 and will construct a seismic retrofit and renovation of the 21,000 square-foot Heroes Memorial Building and Annex.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** ALB

State: 29,945,200
Agency: 0
Federal: 0
Other: 0
Total: 29,945,200

Project Group: Offices or Dorms **Building Area:** 21,000 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks												
Professional Services															
A/E Design & Supervision	644,904	759,197	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.												
Surveys	0	0													
Soils Analysis	0	0													
Materials Testing Services	141,653	166,757													
Structural Plan Check	0	0													
Mechanical Plan Check	0	0													
Electrical Plan Check	0	0													
Civil Plan Check	0	0													
ADA Plan Check	0	0													
Fire Marshal Plan Check	0	0													
Code Compliance Plan Check	0	0													
Constructability Plan Check	0	0													
CMAR Pre-Construction Services	0	0													
PWD Project Mgmt & Inspection	537,334	537,334													
3rd Party Commissioning	27,300	32,138													
FF&E Design Fee	23,750	27,959													
Historic Evaluation	75,000	88,292													
Subtotal	1,449,941	1,611,677													
Construction Costs															
Construction	21,232,515	24,995,447		<p style="text-align: center;">Construction Cost Detail:</p> <table border="1"> <tr> <td>1</td> <td>Structural Retrofit (21,000 sf@ \$764/sf)</td> <td>16,044,000</td> </tr> <tr> <td>2</td> <td>Interior Remodel (21,000 sf@ \$238/sf)</td> <td>4,998,000</td> </tr> <tr> <td>3</td> <td>Onsite Improvements</td> <td>190,515</td> </tr> <tr> <td colspan="2">Total</td> <td>21,232,515</td> </tr> </table>	1	Structural Retrofit (21,000 sf@ \$764/sf)	16,044,000	2	Interior Remodel (21,000 sf@ \$238/sf)	4,998,000	3	Onsite Improvements	190,515	Total	
1	Structural Retrofit (21,000 sf@ \$764/sf)	16,044,000													
2	Interior Remodel (21,000 sf@ \$238/sf)	4,998,000													
3	Onsite Improvements	190,515													
Total		21,232,515													
Construction Contingency	2,123,252	2,499,545													
Green Building Equivalence	0	0													
Utility/Off-Site Costs	0	0													
Utility Connection Fees	0	0													
Data/Telecom Wiring	100,800	118,664													
Furnishings and Equipment	475,000	559,182													
Roof Maint. Agreement	10,000	10,000													
Local Government Requirements	0	0													
Hazardous Material Abatement	100,000	117,723													
Subtotal	24,041,567	28,300,561													
Miscellaneous															
Advertising	0	0													
Printing	0	0													
Temporary Facilities	28,000	32,962													
Agency Moving Costs	0	0													
Land Purchase	0	0													
Subtotal	28,000	32,962													
Total Project Cost	25,519,508	29,945,200													

Project No: C03

Title: Seismic Retrofit and Renovation (Heroes Memorial & Annex)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will construct the seismic strengthening and a major renovation of the Heroes Memorial Building and Annex. This project will provide significant upgrades to the structure and building systems, and provide more effective use of available spaces. The Heroes Memorial and the Annex are historic buildings, located on the Capitol Complex, and are part of the Attorney General's office building complex.

Project Justification:

A study by Melvyn Green and Associates, funded in the 2007 legislative session as part of Project No. 07-M46, identified several deficiencies in the current building. These include: inefficient floor plans and circulation; an unreinforced masonry building that does not meet life safety criteria for seismic performance; ad hoc floor plan changes with some equipment intruding into aisles and exit pathways; there is a circulation conflict at the southwest corner of the building with an elevator shared by the Heroes Memorial and the Annex; and the Attorney General's IT staff is located on the second floor of the Annex with inadequate cooling and electrical service.

Background Information:

This project was first requested in the 2017 CIP and is a continuation of Project No. 19-P02 and 21-P02 which will complete seismic analysis, design development, construction documents and bidding in May 2023 for the structural retrofit and renovation of the Heroes Memorial Building and Annex. Designed by Frederick de Longchamps, the Heroes Memorial Building is a two-story plus basement, rectangular building, constructed in 1921 and is 14,000 sf in floor area. The attached Annex is a two-story structure, constructed in 1951 and is 7,000 sf in floor area. These buildings have received various minor remodels and mechanical and electrical upgrades over the years. This proposed retrofit and remodel will be similar to previously funded retrofits and remodels such as the Laxalt Building, the Carson City Courthouse building, and the Capitol Annex. The Carson City Courthouse (now the Frankie Sue Del Papa Building) is almost identical in appearance, age, and floor plan.

Project No: C04 **Title:** Remodel Army Aviation Support Facility Administration Building (Harry Reid Training Center)

Description: Interior remodel of the Army Aviation Support Facility Administration Building to meet the units' mission and needs.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** MNB

State: 1,559,953
Agency: 0
Federal: 1,875,000
Other: 0
Total: 3,434,953

Project Group: Armory, Military or Prisons **Building Area:** 72,292 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Stead **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	240,476	283,094	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	5,000	5,425		
Soils Analysis	0	0		
Materials Testing Services	8,415	9,906		
Structural Plan Check	2,424	2,630		
Mechanical Plan Check	4,060	4,405		
Electrical Plan Check	3,236	3,511		
Civil Plan Check	2,216	2,404		
ADA Plan Check	3,159	3,428		
Fire Marshal Plan Check	4,540	4,926		
Code Compliance Plan Check	5,982	6,491		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	147,091	147,091		
3rd Party Commissioning	93,980	110,635		
FF&E Design Fee	0	0		
Subtotal	520,579	583,946		
Construction Costs				
Construction	2,060,187	2,425,304		Construction Cost Detail: 1 Architectural Finish Remodel (5,940 sf@ \$118/sf) 700,920 2 Women's Locker Room (610 sf@ \$785/sf) 478,850 3 Examination Room (675 sf@ \$427/sf) 288,225 4 Women's Locker Room Remodel (520 sf@ \$532/sf) 276,640 5 Classroom Interior Remodel (285 sf@ \$250/sf) 71,250 6 Roll Up Door Infill (24 lf@ \$1,438/lf) 34,512 7 Demolition of Exhaust Hoods (3 @ \$7,500/ea) 22,500 <hr/> Total 1,872,897 Allowances: 1 Occupied Facility (10%) 187,290 <hr/> Total 187,290 <hr/> Total 2,060,187
Construction Contingency	309,028	363,796		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	10,000	11,772		
Hazardous Material Abatement	40,000	47,089		
Subtotal	2,419,215	2,847,961		
Miscellaneous				
Advertising	1,924	2,265		
Printing	664	781		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,588	3,046		
Total Project Cost	2,942,382	3,434,953		

Project No: C04 **Title:** Remodel Army Aviation Support Facility Administration Building (Harry Reid Training Center)

Agency: Nevada Army National Guard

Location: Stead

Detail Description:

This project will design and construct the remodel of existing interior spaces to meet the mission of the Army Aviation Facility, construct and remodel women's locker rooms to meet the needs of increased female staff, and update architectural finishes throughout a portion of the facility.

Funding Description:

This is a Facilities, Sustainment, Restoration and Modernization (FSRM) federally funded project for eligible costs up to \$1,875,000. State funds will cover ineligible costs for project management, inspection, plan checking, advertising, printing and remaining portions of the project that cannot be covered by federal funds.

Project Justification:

This project is necessary in order to meet the needs of the aviators of the Army National Guard. Expansion of aircraft, pilots, navigators, and administration personnel require effective space to help facilitate weekly operations, drill weekends, and training sessions throughout the year. Not funding this project will affect their ability to conduct day to day mission and strategic planning so that they can effectively meet their mission in the community, nation, and other supporting countries.

Background Information:

The Army Aviation Support Facility building is 72,292 square feet and was constructed in 1984. The Army Aviation Support Facility is located on the site of the Harry Reid Training Center in Stead. This site is leased by the Nevada National Guard from the Reno Tahoe Airport Authority and the City of Reno Building Department is the authority having jurisdiction. Final plan checking and permitting will be secured through the City for this project.

Project No: C05 **Title:** Southern Nevada Fleet Services Maintenance Building (Grant Sawyer Site)

Description: This project is the continuation of 17-P04 and will construct a 6,150 square-foot Fleet Services Division maintenance facility.

Funding Summary

Department: Admin **Division:** Fleet Services
Agency: Fleet Services **Project Mgr:** KEN

State: 12,315,056
Agency: 0
Federal: 0
Other: 0
Total: 12,315,056

Project Group: Offices or Dorms **Building Area:** 6,150 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	250,339	286,613	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Building (6,150 sf@ \$594/sf) 3,653,100 2 Porte Cochere (3,240 sf@ \$119/sf) 385,560 3 Fixed Equipment 744,000 4 Sitework (2.30 ac@ \$18/sf) 1,803,384 5 Earthwork (2.30 ac@ \$7.50/sf) 751,410 6 Half Street Improvements 738,000 <hr/> Total 8,075,454 Total 8,075,454 AE Fee Calculation: A/E Design & Supervision (3.10 % @ \$8,075,454) 250,339 <hr/> 250,339	
Surveys	5,000	5,350		
Soils Analysis	5,000	5,350		
Materials Testing Services	143,404	164,183		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	14,378	15,384		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	313,999	313,999		
3rd Party Commissioning	0	0		
FF&E Design Fee	11,875	13,596		
Subtotal	743,995	804,475		
Construction Costs				
Construction	8,075,454	9,245,587		Life Cycle Cost Estimate Typical O&M (\$/sf/year today) = 16.22 Estimated Inflation (%/year) = 2.70% Project Area (sf) = 6,150 Life Cycle (years) = 30 Operation & Maintenance Cost = 4,521,730 Construction Cost = 12,315,056 Total Life Cycle Cost = 16,836,786
Construction Contingency	1,211,318	1,386,838		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	462,500	529,516		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	237,500	271,914		
Roof Maint. Agreement	15,000	15,000		
Local Government Requirements	50,000	57,245		
Hazardous Material Abatement	0	0		
Subtotal	10,051,772	11,506,100		
Miscellaneous				
Advertising	2,910	3,332		
Printing	1,003	1,149		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	3,913	4,481		
Total Project Cost	10,799,680	12,315,056		

Project No: C05 **Title:** Southern Nevada Fleet Services Maintenance Building (Grant Sawyer Site)

Agency: Fleet Services

Location: Las Vegas

Detail Description:

This project will construct a 6,150 square-foot fleet support facility. Fleet Services will not close the existing Las Vegas facility.

Project Justification:

The current Fleet Services facility is based in the southern corridor of Las Vegas, within close proximity to the Harry Reid International Airport providing fleet management support for vehicles based throughout the valley. The addition of this proposed north Las Vegas Valley facility will provide customers residing in the northern corridor of the valley efficient access to a fleet services facility. The division's fleet size and customer base has expanded significantly since 2010 with the majority of growth in Clark County. The addition of a North Valley Facility would provide state agencies better access to services provided by the division, reducing customer travel time, increasing customer productivity and creating efficiencies for the State workforce residing in the northern Las Vegas corridor.

Background Information:

This project is a continuation of 17-P04 Advance Planning and will be built on the grounds of the Grant Sawyer Office Building site in Las Vegas. This project was requested in the 2019 and 2021 CIP.

Project No: C06 **Title:** Remodel and Addition (Southern Nevada State Veterans Home)
Description: This project is a continuation of 21-P03 and will remodel and expand the Southern Nevada State Veterans Home.
Department: NDVS **Division:** VetHome
Agency: SNSVH **Project Mgr:** MML

Funding Summary	
State:	35,831,018
Agency:	0
Federal:	63,957,628
Other:	0
Total:	99,788,646

Project Group: Labs, Medical or Museums	Building Area:	120,990	gsf
Project Type: Remodel	Months To Construction:	24	
Project Site: Local	Const. Annual Inflation Rate:	7.00%	
Location: Boulder City	Total Inflation:	14.49%	

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	2,248,726	2,574,567	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Existing Facility Remodel (81,780 sf@ \$398/sf) 32,548,440 2 Wing Expansion (17,100 sf@ \$701/sf) 11,987,100 3 Sidewinder Wing Expansion (7,550 sf@ \$701/sf) 5,292,550 4 Main Core Remodel (6,330 sf@ \$743/sf) 4,703,190 5 Falconer Wing Expansion (6,630 sf@ \$701/sf) 4,647,630 6 Sitework 1,326,128 7 Mariner Wing Expansion (1,600 sf@ \$701/sf) 1,121,600 8 Asphalt Paving, Parking, Fire Lane 315,922 <hr/> Total 61,942,560 Allowances: 1 Occupied Facility (10%) 6,194,256 <hr/> Total 6,194,256 Total 68,136,816	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	67,126	76,852		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	1,392,294	1,392,294		
3rd Party Commissioning	157,287	180,078		
FF&E Design Fee	0	0		
Subtotal	3,865,433	4,223,791		
Construction Costs				
Construction	68,136,816	78,009,841		
Construction Contingency	6,813,682	7,800,984		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	1,118,905	1,281,034		
Utility Connection Fees	0	0		
Data/Telecom Wiring	580,752	664,903		
Furnishings and Equipment	6,813,682	7,800,984		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	83,463,837	95,557,746		
Miscellaneous				
Advertising	4,617	5,286		
Printing	1,592	1,823		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	6,209	7,109		
Total Project Cost	87,335,479	99,788,646		

Project No: C06 **Title:** Remodel and Addition (Southern Nevada State Veterans Home)

Agency: Southern Nevada State Veterans Home

Location: Boulder City

Detail Description:

This project will remodel and construct an addition to Southern Nevada State Veterans Home located in Boulder City. The proposed remodeling will consist of 86,280 square-feet of existing space and will include a new addition of resident's rooms.

The project scope includes:

1. Remodel bedrooms and bathrooms from double occupancy to single occupancy.
2. Remodel the Resident Areas to enhance the Neighborhood Community concept.
3. Incorporation of the Town Hall concept.
4. Improve the Central Dining Room to expand the Town Hall concept.
5. Redesign Smaller Nurse's Stations.
6. Enlarge the Chapel.
7. Expand the Physical Therapy.
8. Redesign of the Staff Work Areas.
9. Redesign of the Entrance.
10. Reconfigure the Parking.
11. Install Perimeter Security Fence and other force protection measures.
12. Off-Site Improvements.

Funding Description:

Funding will consist of a 65% Federal and 35% State of Nevada split cost sharing from the Veterans State Home Construction Funding grant, with potential supplemental funding from the Veterans Affairs Healthcare Services grant. Project management and inspection is funded separately by the state.

Project Justification:

Approximately 90% of the current resident rooms are double occupancy which share one toilet room with another double occupancy bedroom suite and no bathing facility directly accessed from the suite. This arrangement does not meet the veteran centric care model in the current Veterans Affairs Guidelines. The limited access to toilet and bathing fixtures creates an environment where the privacy and dignity of each resident is not fully protected. Considering the recent COVID 19 Pandemic, the current double-room design, where two to four residents share one toilet room, is obsolete and lends toward the greater spread of viruses and bacteria between roommates.

Background Information:

The Southern Nevada State Veterans Home (SNSVH) is a 180 bed community for veterans, spouses and Gold Star parents. Located 12 miles from Henderson, the SNSVH opened in 2002, it offers skilled nursing services and a variety of programs including Alzheimer's and dementia care that enhance the quality of life for the residents. This project has not been requested in a prior CIP.

Project No: C07 **Title:** Renovate Customer Counters Millwork and Install Exterior Self Service Kiosk (Department of Motor Vehicles, Carson City)

Description: This project will renovate the existing customer counter millwork and information desks and install an exterior built-in self-service kiosk.

Funding Summary

Department: DMV **Division:** DMV
Agency: DMV **Project Mgr:** MNB

State: 0
Agency: 2,668,431
Federal: 0
Other: 0
Total: 2,668,431

Project Group: Offices or Dorms **Building Area:** 7,200 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	180,609	212,618	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	2,193	2,379		
Mechanical Plan Check	3,482	3,778		
Electrical Plan Check	2,668	2,895		
Civil Plan Check	0	0		
ADA Plan Check	3,072	3,333		
Fire Marshal Plan Check	3,587	3,892		
Code Compliance Plan Check	4,711	5,111		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	14,823	17,450		
PWD Project Mgmt & Inspection	127,718	127,718		
3rd Party Commissioning	0	0		
FF&E Design Fee	7,411	8,725		
Structural Evaluation	10,000	11,772		
Subtotal	360,274	399,671		
Construction Costs				
Construction	1,482,295	1,744,995	Construction Cost Detail: 1 Millwork 457,498 2 Ceiling Installation (7,200 sf@ \$26/sf) 187,200 3 Flooring Installation (7,200 sf@ \$25/sf) 180,000 4 Demolition (7,200 sf@ \$17/sf) 122,400 5 Lighting & Controls Installation (7,200 sf@ \$16/sf) 115,200 6 Electric/ Telecom Upgrade 84,360 7 Kiosk Enclosure & Secure Room 70,827 8 Signage 17,760 <hr/> Total 1,235,245 Allowances: 1 Occupied Facility (10%) 123,525 2 Phased Construction (10%) 123,525 <hr/> Total 247,050 <hr/> Total 1,482,295	
Construction Contingency	222,344	261,749		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	148,230	174,499		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	72,000	84,760		
Subtotal	1,924,869	2,266,003		
Miscellaneous				
Advertising	1,742	2,050		
Printing	601	707		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,343	2,757		
Total Project Cost	2,287,486	2,668,431		

Project No: C07 **Title:** Renovate Customer Counters Millwork and Install Exterior Self Service Kiosk (Department of Motor Vehicles, Carson City)

Agency: Department of Motor Vehicles

Location: Carson City

Detail Description:

This project will design and construct updated ADA compliant millwork consisting of customer counters and information desks with staff to public security barriers. The lobby will receive architectural updates. This project will also design and construct an exterior built-in self service kiosk with secure room that can operate 24 hours a day. The kiosk will be provided by the agency.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The existing customer counters, information desks and related millwork are beyond their useful life with delaminating finishes and exposed sharp edges. The work stations do not provide adequate space between staff or working space for required electronic equipment. Some of the millwork no longer has the ability to lock to protect state assets such as cash drawers and license plates. The existing free standing self service kiosk can only be used during operational hours. Due to the type of machine and its size it continues to be an obstruction to the public and the line that forms creates a bottle neck staff must transition through to access other areas in the facility. It has been relocated several times with the same results.

Background Information:

The DMV office building addition (east wing) is 56,688 square-feet and was constructed in 1980.

Project No: C08 **Title:** Residence/ Fire Station Demolition (Spring Creek Fire Station)

Description: Demolition of two former fire house sites, limited site restoration, and seasonal parking.

Funding Summary

Department: CNR **Division:** Forestry
Agency: Forestry **Project Mgr:** IHK

State: 621,074
Agency: 107,125
Federal: 0
Other: 0
Total: 728,199

Project Group: Civil/Sitework **Building Area:** 5,000 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Spring Creek **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	61,408	72,290	1 Building Demolition (5,000 @ \$20/ea) 100,000
Surveys	7,500	8,138	2 Hazardous Material Abatement (5,000 @ \$10/ea) 50,000
Soils Analysis	0	0	3 RV Parking Fence (350 lf@ \$125/lf) 43,750
Materials Testing Services	16,179	19,046	4 RV Electric Connection & Pedestal (3 @ \$10,400/ea) 31,200
Structural Plan Check	0	0	5 Site Debris Removal/ Disposal (2 @ \$15,000/ea) 30,000
Mechanical Plan Check	0	0	6 Fuel Oil Tank Removal (2 @ \$8,000/ea) 16,000
Electrical Plan Check	750	814	7 RV Parking Pad (3 @ \$5,225/ea) 15,675
Civil Plan Check	1,069	1,160	8 Utility Abandonment 13,145
ADA Plan Check	0	0	9 Site Grading & Dust Palliative (2 @ \$5,000/ea) 10,000
Fire Marshal Plan Check	1,316	1,427	10 RV Water Connection (3 @ \$3,000/ea) 9,000
Code Compliance Plan Check	0	0	11 RV Septic Connection (3 @ \$2,500/ea) 7,500
Constructability Plan Check	0	0	Total 326,270
CMAR Pre-Construction Services	0	0	Allowances:
PWD Project Mgmt & Inspection	48,770	48,770	1 Remote Site (20%) 65,254
3rd Party Commissioning	0	0	Total 65,254
FF&E Design Fee	0	0	Total 391,524
Hazardous Materials Testing	8,000	9,418	
Historic Evaluation	5,000	5,886	
Subtotal	149,992	166,949	
Construction Costs			
Construction	391,524	460,912	
Construction Contingency	58,729	69,137	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	25,000	29,431	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	475,253	559,480	
Miscellaneous			
Advertising	1,118	1,316	
Printing	386	454	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,504	1,770	
Total Project Cost	626,749	728,199	

Project No: C08 **Title:** Residence/ Fire Station Demolition (Spring Creek Fire Station)

Agency: Nevada Division of Forestry

Location: Spring Creek

Detail Description:

This project will design and demolish two different abandoned fire stations located in Spring Creek/Elko. The two sites are approximately 6 miles apart. Each facility has a residential structure, shop, garage, and outbuildings to store fire response vehicles and tools. The site at 161 Bluecrest Drive will include the removal of all structures. The garage at 607 Engle Drive will remain, the residence will be demolished, and parking sites with RV hookups established for seasonal Forestry staff.

Funding Description:

The agency is providing \$107,125 from Nevada Division of Forestry Deferred Maintenance.

Project Justification:

Based on the inspection, it appears that these facilities have been abandoned since 2015. Both facilities have been vandalized and currently are ununlockable. Based on the June 2020 inspection and conversations with adjacent property owner, the buildings are periodically entered by neighborhood children and transients.

Background Information:

The Bluecrest Residence/Garage is 1683 square-feet and was constructed in 1973.

The Bluecrest Fire Station is 780 square-feet and was constructed in 1973.

The Engle Residence is 1256 square-feet and was constructed in 1972.

The Engle Fire Station is 780 square-feet and was constructed in 1972.

Project No: C09 **Title:** Ground Support Equipment Shop (Harry Reid Training Center)

Description: This project is the continuation of 23-A015 and will design and construct a ground support equipment shop for the Army Aviation Support Facility (AASF) at the Harry Reid Training Center.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** MNB

State: 2,037,585
Agency: 0
Federal: 0
Other: 0
Total: 2,037,585

Project Group: Armory, Military or Prisons **Building Area:** 3,201 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Stead **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	115,140	135,546	1 Insulated Metal Building (3,201 sf@ \$285/sf) 912,285
Surveys	5,000	5,425	2 Interior Office Space (320 sf@ \$360/sf) 115,200
Soils Analysis	4,000	4,340	3 On Site Development (3,201 sf@ \$21/sf) 67,221
Materials Testing Services	25,717	30,275	4 Electrical (3,201 sf@ \$15/sf) 48,015
Structural Plan Check	2,092	2,270	5 Plumbing 35,000
Mechanical Plan Check	3,231	3,506	6 Fire Sprinklers (3,201 sf@ \$6/sf) 19,206
Electrical Plan Check	2,216	2,404	7 Roll Up Doors (4 @ \$4,300/ea) 17,200
Civil Plan Check	1,869	2,028	8 Office HVAC 15,000
ADA Plan Check	3,035	3,293	9 Eyewash Shower Station 2,100
Fire Marshal Plan Check	3,172	3,442	
Code Compliance Plan Check	4,159	4,512	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	110,360	110,360	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	279,991	307,401	Total 1,231,227
Construction Costs			
Construction	1,231,227	1,449,431	
Construction Contingency	184,684	217,415	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	42,500	50,032	
Data/Telecom Wiring	1,601	1,884	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	7,500	8,829	
Hazardous Material Abatement	0	0	
Subtotal	1,467,512	1,727,591	
Miscellaneous			
Advertising	1,638	1,928	
Printing	565	665	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,203	2,593	
Total Project Cost	1,749,706	2,037,585	

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) = 22.88
 Estimated Inflation (%/year) = 2.70%
 Project Area (sf) = 3,201
 Life Cycle (years) = 30
 Operation & Maintenance Cost = 3,319,864
 Construction Cost = 2,037,585
 Total Life Cycle Cost = 5,357,449

Project No: C09 **Title:** Ground Support Equipment Shop (Harry Reid Training Center)

Agency: Nevada Army National Guard

Location: Stead

Detail Description:

This project will design and construct a 3,201 square-foot conditioned ground support equipment shop, which will include 320 square feet of heated interior space for maintenance.

Project Justification:

The current facility does not have adequate space to house the needed equipment and is currently stored in a small makeshift storage room and under an awning outside exposed to the elements. Not funding this project would result in the equipment stored outside continuing to sustain environmental damage throughout the seasons and the aviators will have to continue to work with limited and inadequate storage in their current facility.

Background Information:

The Army Aviation Support Facility is located on the site of the Harry Reid Training Center in Stead. This site is leased by the Nevada National Guard from the Reno Tahoe Airport Authority and the City of Reno Building Department is the authority having jurisdiction. Final plan checking and permitting will be secured through the City for this project.

Project No: C10 **Title:** Construct Secure Parking (Department of Motor Vehicles, Flamingo)

Description: Construct a secure parking area for state owned vehicles.

Funding Summary

Department: DMV **Division:** DMV
Agency: DMV **Project Mgr:** JSP

State: 0
Agency: 922,033
Federal: 0
Other: 0
Total: 922,033

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	63,412	72,600	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	10,000	10,700	
Soils Analysis	15,000	16,050	
Materials Testing Services	12,031	13,774	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	1,014	1,085	
Civil Plan Check	1,320	1,412	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	3,650	3,906	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	58,520	58,520	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	164,947	178,047	
Construction Costs			
Construction	563,600	645,266	1 Parking Lot (7,000 sf@ \$14/sf) 98,000
Construction Contingency	84,540	96,790	2 EV Charging Stations (3 @ \$30,000/ea) 90,000
Green Building Equivalence	0	0	3 Earthwork (2,400 cy@ \$25/cy) 60,000
Utility/Off-Site Costs	0	0	4 Vehicle Gate 58,000
Utility Connection Fees	0	0	5 Sidewalk (1,600 sf@ \$30/sf) 48,000
Data/Telecom Wiring	0	0	6 Security Fence (380 lf@ \$125/lf) 47,500
Furnishings and Equipment	0	0	7 Access Control System 40,000
Roof Maint. Agreement	0	0	8 Conduit Trenching (400 lf@ \$90/lf) 36,000
Local Government Requirements	0	0	9 Site Lighting (4 @ \$7,000/ea) 28,000
Hazardous Material Abatement	0	0	10 Electrical Panel Board 20,000
Subtotal	648,140	742,056	11 Security Cameras 16,000
Miscellaneous			
Advertising	1,253	1,435	12 Landscaping (1,200 sf@ \$9/sf) 10,800
Printing	432	495	13 Distribution to Panel Board (400 lf@ \$22/lf) 8,800
Temporary Facilities	0	0	14 Pedestrian Gate 2,500
Agency Moving Costs	0	0	Total 563,600
Land Purchase	0	0	Total 563,600
Subtotal	1,685	1,930	
Total Project Cost	814,772	922,033	

Project No: C10 **Title:** Construct Secure Parking (Department of Motor Vehicles, Flamingo)

Agency: Department of Motor Vehicles

Location: Las Vegas

Detail Description:

This project will design and construct a secure parking area for state owned vehicles, with security fencing, paved parking pad, secure badge access gate, EV charging points, and improved lighting at the Department of Motor Vehicles (DMV) Flamingo facility. The parking area is expected to accommodate approximately 20 vehicles.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The DMV has experienced an increase of vehicle vandalism and theft of auto parts. The loss of state vehicles while they are being repaired is impacting agency operations. This project will provide a secure location to park state vehicles which will reduce vehicle repair costs and unscheduled changes to employee travel plans. Reducing such interruptions to DMV business will enhance the efficiency of Compliance Enforcement surveillance operations. If this project is not funded, staff will continue to experience increased travel time and the DMV will continue to pay for increased vehicle maintenance costs.

Background Information:

The DMV Flamingo facility was constructed in 1995. The proposed site location is on state owned land, north of the existing parking lot.

Project No: C11 **Title:** Physical Training Facilities (Floyd Edsall Training Center)

Description: This project is the continuation of 23-A007 and will design and construct a physical training facilities area at the Floyd Edsall Training Center site.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** KEN

State: 3,887,595
Agency: 0
Federal: 0
Other: 0
Total: 3,887,595

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: North Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	258,494	295,950	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	15,000	16,050	
Soils Analysis	0	0	
Materials Testing Services	49,778	56,990	
Structural Plan Check	2,585	2,766	
Mechanical Plan Check	4,462	4,775	
Electrical Plan Check	3,477	3,721	
Civil Plan Check	2,323	2,486	
ADA Plan Check	3,219	3,445	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	170,360	170,360	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	509,698	556,543	
Construction Costs			
Construction	2,462,368	2,819,165	
Construction Contingency	369,355	422,875	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	75,000	85,868	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	2,906,723	3,327,908	
Miscellaneous			
Advertising	2,042	2,338	
Printing	704	806	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,746	3,144	
Total Project Cost	3,419,167	3,887,595	

Construction Cost Detail:

1	Earthwork (1.22 ac@ \$5/sf)	265,716	
2	Drainage Improvements	185,000	
3	Sitework (71,600 sf@ \$4/sf)	286,400	
3	Fence (550 lf@ \$95/lf)	52,250	
4	Running Track (4,800 sf@ \$18/sf)	86,400	
5	Restroom Facilities (175 sf@ \$1,250/sf)	218,750	
6	Electrical & Lighting	690,000	
7	Water	251,000	
8	Sewer	203,000	
Total		2,238,516	
Allowances:			
1	Secure Facility Allowance (10%)	223,852	
Total		223,852	
Total		2,462,368	

Project No: C11 **Title:** Physical Training Facilities (Floyd Edsall Training Center)

Agency: Nevada Army National Guard

Location: North Las Vegas

Detail Description:

This project will design and construct a physical training facilities area including restroom facilities and utilities at the Floyd Edsall Training Center facility (FETC).

Project Justification:

The Nevada Army National Guard requires a site to properly conduct physical training to meet the guidance issued by the Headquarters Department of the Army for athletic training. Currently the Nevada Army National Guard does not have the facilities to train, prepare, or conduct physical training at the Floyd Edsall Training Center.

Background Information:

There are currently 14 Units and 1,411 Soldiers stationed at FETC. The Regional Training Institute is also co-located at FETC with a student load of 850 that test annually with a peak load of 70 students.

Project No: C12 **Title:** Remodel Freight Barn (East Ely Railroad Museum)
Description: This project is the continuation of 22-A007 and will construct improvements to the East Ely Railroad Freight Barn.
Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** KEN

Funding Summary	
State:	7,704,288
Agency:	0
Federal:	0
Other:	0
Total:	7,704,288

Project Group: Labs, Medical or Museums	Building Area:	12,865	gsf
Project Type: Remodel	Months To Construction:	24	
Project Site: Remote	Const. Annual Inflation Rate:	7.00%	
Location: Ely	Total Inflation:	14.49%	

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	187,142	214,259	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	Construction Cost Detail:
Materials Testing Services	23,950	27,421	
Structural Plan Check	0	0	1 Remodel Building (12,865 sf@ \$356/sf) 4,579,940
Mechanical Plan Check	0	0	Total 4,579,940
Electrical Plan Check	0	0	Allowances:
Civil Plan Check	0	0	
ADA Plan Check	0	0	1 Remote Site (10%) 457,994
Fire Marshal Plan Check	0	0	Total 457,994
Code Compliance Plan Check	0	0	Total 5,037,934
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	214,984	214,984	
3rd Party Commissioning	0	0	
FF&E Design Fee	10,656	12,200	
Historic Evaluation	15,000	17,174	
Interpretive Design	77,800	89,073	
Subtotal	529,532	575,111	
Construction Costs			
Construction	5,037,934	5,767,931	
Construction Contingency	755,690	865,190	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	125,000	143,113	
Data/Telecom Wiring	61,752	70,700	
Furnishings and Equipment	213,119	244,000	
Roof Maint. Agreement	0	0	
Local Government Requirements	5,000	5,725	
Hazardous Material Abatement	25,000	28,623	
Subtotal	6,223,495	7,125,282	
Miscellaneous			
Advertising	2,529	2,896	
Printing	872	999	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	3,401	3,895	
Total Project Cost	6,756,428	7,704,288	

Project No: C12 Title: Remodel Freight Barn (East Ely Railroad Museum)

Agency: Museums and History

Location: Ely

Detail Description:

This project will construct a remodel of the Freight Barn building into a year-round events center. Improvements to the building will include a fire sprinkler system, building insulation, HVAC modifications, structural and architectural modifications.

Project Justification:

Completing this project will provide for a large year-round events and meeting space for the community and allow the museum to better fulfill its mission of engaging the public and school students in the history of Nevada by providing exhibit space for its collection of artifacts. The building will also serve as a significant storage facility for the preservation of historic materials. The Freight Barn building cannot be fully utilized because it lacks insulation, HVAC, and fire suppression.

Background Information:

This project is a continuation of 22-A007 Remodel Freight Barn. The building was constructed in 1906 and it served the community as the warehouse for materials that were delivered by rail. It was deeded to the State of Nevada in 1990. It is the oldest building on the Nevada Northern Railway complex and is listed as a National Landmark.

Project No: C13 **Title:** Committal Building (Northern Nevada Veterans Memorial Cemetery)

Description: This project will design and construct a 2,180 square-foot structure to conduct memorial and internment services at a second location on the cemetery grounds.

Funding Summary

Department: NDVS **Division:** VetCem
Agency: NNVMC **Project Mgr:** ALB

State: 3,451,011
Agency: 0
Federal: 0
Other: 0
Total: 3,451,011

Project Group: Offices or Dorms **Building Area:** 2,180 gsf
Project Type: New **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Fernley **Total Inflation:** 17.72%

	2022	2024	Remarks
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	2022	2024
Professional Services		
A/E Design & Supervision	216,796	255,218
Surveys	3,000	3,255
Soils Analysis	11,400	12,369
Materials Testing Services	49,889	58,730
Structural Plan Check	2,379	2,582
Mechanical Plan Check	3,949	4,284
Electrical Plan Check	3,169	3,438
Civil Plan Check	2,174	2,359
ADA Plan Check	3,142	3,409
Fire Marshal Plan Check	4,356	4,726
Code Compliance Plan Check	5,737	6,225
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	150,755	150,755
3rd Party Commissioning	0	0
FF&E Design Fee	9,743	11,470
Subtotal	466,489	518,820

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

Construction Cost Detail:

1	Committal Building (2,180 sf@ \$707/sf)	1,541,260
2	Surface Parking (8,300 sf@ \$19/sf)	157,700
3	Site Utilities Extension (500 lf@ \$145/lf)	72,500
Total		1,771,460

Allowances:

1	Remote Site (10%)	177,146
Total		177,146
Total		1,948,606

	2022	2024
Construction Costs		
Construction	1,948,606	2,293,948
Construction Contingency	292,291	344,092
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	42,000	49,443
Data/Telecom Wiring	10,464	12,318
Furnishings and Equipment	194,861	229,395
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Subtotal	2,488,222	2,929,196

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) =	16.22
Estimated Inflation (%/year) =	2.70%
Project Area (sf) =	2,180
Life Cycle (years) =	30
Operation & Maintenance Cost =	1,602,825
Construction Cost =	3,451,011
Total Life Cycle Cost =	5,053,836

	2022	2024
Miscellaneous		
Advertising	1,892	2,227
Printing	652	768
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	2,544	2,995

Total Project Cost 2,957,255 3,451,011

Project No: C13 **Title:** Committal Building (Northern Nevada Veterans Memorial Cemetery)

Agency: Northern Nevada Veterans Memorial Cemetery

Location: Fernley

Detail Description:

This project will design and construct a committal building at the Northern Nevada Veterans Memorial Cemetery. The building will include restrooms, storage, and an adjacent parking lot.

Project Justification:

The project is necessary to provide a fully enclosed, larger alternate location for memorial or internment services, closer to the recently finished cemetery expansion at the northwest end of the cemetery. This will allow for increased service capacity and will allow for services to be scheduled simultaneously or close to the same time.

Background Information:

The Northern Nevada Veterans Memorial Cemetery is located in Fernley and was established in 1990.

Project No: C14 **Title:** Communications Room Expansion (Southern Desert Correctional Center)

Description: Expand the communications room to accommodate existing and future equipment.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: SDCC **Project Mgr:** MML

State: 1,009,060
Agency: 0
Federal: 0
Other: 0
Total: 1,009,060

Project Group: Armory, Military or Prisons **Building Area:** 580 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	91,239	104,459	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Structural Improvements 180,000 2 Relocate Communications Equipment (30 @ \$2,230/ea) 66,900 3 Relocate Electrical Equipment (30 @ \$2,230/ea) 66,900 4 Relocate Plumbing & Fixtures (30 @ \$2,164/ea) 64,920 5 Paint (1,611 sf@ \$11/sf) 17,721 6 Metal Stud & Wall Board Partition (432 sf@ \$40/sf) 17,280 7 Demolition of Masonry Wall (495 sf@ \$22/sf) 10,890 8 HVAC Unit 8,600 9 Vinyl Tile Floor (580 sf@ \$10/sf) 5,800 10 Ceiling Tile (190 sf@ \$15/sf) 2,850 10 Door & Frame 2,600 Total 444,461 Allowances: 1 Remote Site (20%) 88,892 2 Secure Facility Allowance (20%) 88,892 Total 177,784 Total 622,245	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	1,622	1,736		
Mechanical Plan Check	1,867	1,997		
Electrical Plan Check	1,120	1,198		
Civil Plan Check	0	0		
ADA Plan Check	1,867	1,997		
Fire Marshal Plan Check	1,899	2,032		
Code Compliance Plan Check	3,650	3,906		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	70,499	70,499		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	173,763	187,824		
Construction Costs				
Construction	622,245	712,408		
Construction Contingency	93,337	106,861		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	715,582	819,269		
Miscellaneous				
Advertising	1,278	1,463		
Printing	441	504		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,719	1,967		
Total Project Cost	891,064	1,009,060		

Project No: C14 **Title:** Communications Room Expansion (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

This project will design and construct an expansion and upgrade to the communications room for technology expansion in the Central Control building. An HVAC unit will be included to climate control in the space.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The communications room is no longer able to support required computer equipment. Climate controls will extend equipment life which can fail prematurely from overheating.

Background Information:

Southern Desert Correctional Center opened in February 1982 and has seven 102-cell housing units. A new 200-cell housing unit opened in 1989, and two 240-bed dormitory-style housing units were added in March 2008, bringing the population capacity from 714 in 1982 to its present capacity of 2,149.

Project No: C15 **Title:** Basement Tenant Improvement (Nevada State Library and Archives)

Description: Tenant improvement to a portion of the basement in the Nevada State Library Archives building.

Funding Summary

Department: Admin **Division:** LibArch
Agency: LibArch **Project Mgr:** ALB

State: 4,302,195
Agency: 0
Federal: 0
Other: 0
Total: 4,302,195

Project Group: Offices or Dorms **Building Area:** 7,670 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	292,374	344,190	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	5,000	5,425		
Materials Testing Services	0	0		
Structural Plan Check	2,603	2,824		
Mechanical Plan Check	4,507	4,890		
Electrical Plan Check	3,504	3,802		
Civil Plan Check	2,335	2,534		
ADA Plan Check	3,226	3,500		
Fire Marshal Plan Check	5,277	5,726		
Code Compliance Plan Check	6,965	7,557		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	171,614	171,614		
3rd Party Commissioning	0	0		
FF&E Design Fee	12,534	14,755		
Subtotal	509,939	566,817		
Construction Costs				
Construction	2,506,790	2,951,056		<p>Construction Cost Detail:</p> <p>1 Basement Improvement (7,670 sf@ \$260/sf) 1,994,200</p> <p>2 Exterior Refinishing (4,000 sf@ \$66/sf) 264,000</p> <p>3 Exterior Door 20,700</p> <hr/> <p>Total 2,278,900</p> <p>Allowances:</p> <p>1 Occupied Facility (10%) 227,890</p> <hr/> <p>Total 227,890</p> <hr/> <p>Total 2,506,790</p>
Construction Contingency	376,019	442,658		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	36,816	43,341		
Furnishings and Equipment	250,679	295,106		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	3,170,304	3,732,161		
Miscellaneous				
Advertising	2,032	2,392		
Printing	701	825		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,733	3,217		
Total Project Cost	3,682,976	4,302,195		

Project No: C15 **Title:** Basement Tenant Improvement (Nevada State Library and Archives)

Agency: Library and Archives

Location: Carson City

Detail Description:

This project will design and construct a tenant improvement project for state agencies at the Nevada State Library and Archives (NSLA) basement. Mechanical engineering components will be replaced, insulation will be installed at perimeter walls, replacement of interior and select exterior lighting, carpeting and, repair of concrete steps and removal.

Project Justification:

The unoccupied space in the NSLA basement can be put to a higher and better use which allows state offices to be in close proximity to the Capitol while utilizing vacant space.

Background Information:

The Nevada State Library and Archives building is 130,000 square-feet and was built in 1992.

Project No: C16 **Title:** Office Renovation (Department of Education Building)

Description: Design and remodel the northeast portion of the Education Building from storage into office space.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** ALB

State: 2,190,806
Agency: 0
Federal: 0
Other: 0
Total: 2,190,806

Project Group: Offices or Dorms **Building Area:** 2,470 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	146,109	172,004	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	5,219	6,144	
Structural Plan Check	2,100	2,278	
Mechanical Plan Check	3,250	3,526	
Electrical Plan Check	2,250	2,441	
Civil Plan Check	1,875	2,034	
ADA Plan Check	3,037	3,296	
Fire Marshal Plan Check	3,203	3,476	
Code Compliance Plan Check	4,200	4,557	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	110,985	110,985	
3rd Party Commissioning	0	0	
FF&E Design Fee	3,873	4,559	
Historic Evaluation	5,000	5,886	
Subtotal	291,101	321,186	
Construction Costs			
Construction	1,249,950	1,471,472	
Construction Contingency	187,493	220,721	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	11,856	13,957	
Furnishings and Equipment	124,995	147,147	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	11,680	13,750	
Subtotal	1,585,974	1,867,047	
Miscellaneous			
Advertising	1,625	1,913	
Printing	560	660	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,185	2,573	
Total Project Cost	1,879,260	2,190,806	

Construction Cost Detail:

1	Building Renovation (2,150 sf@ \$212/sf)	455,800
2	Exterior Repairs	282,000
3	Repair Sewer Piping	105,750
4	Restroom Renovation (320 sf@ \$282/sf)	90,240
5	Window Installation (4 @ \$21,150/ea)	84,600
6	Drop Ceiling (2,150 sf@ \$15/sf)	32,250
7	Vinyl Tile Flooring (390 sf@ \$56/sf)	21,840
8	Install Seismic Gas Shutoff Valve	18,506
9	Exterior Lighting Replacement (25 @ \$705/ea)	17,625
10	Replace Concrete Steps (50 sf@ \$282/sf)	14,100
11	Exterior Door Replacement	9,165
12	Accessible Signage	4,442
Total		1,136,318

Allowances:

1	Occupied Facility (10%)	113,632
Total		113,632
Total		1,249,950

Project No: C16 **Title:** Office Renovation (Department of Education Building)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct a renovation of 2,470 square-feet of storage space into an open office area at the Department of Education Building. The interior portion of the project will convert interior lighting to LED fixtures, HVAC modifications and life safety system upgrades. The exterior portion of the project will install windows at the office renovation. This project will also include a renovation to the restrooms.

Project Justification:

The Department of Education needs more open office space for their employees. Many of the building systems have reached the end of their expected useful life. The building's exterior is dated and not energy efficient. This project will improve energy efficiency at the facility, which will result in reduced Greenhouse Gas emissions. This supports the intent of Senate Bill 254.

Background Information:

This is the second CIP request for this project and was previously requested in 2021. The Department of Education Office building is 27,500 square-feet, constructed in 1965 as an elementary school, and remodeled in 1993 to support the current office occupancy.

Project No: C17 **Title:** Microwave Tower Relocation (Grant Sawyer Office Building)

Description: Construct a microwave tower at the Nevada Department of Transportation campus located in Las Vegas.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** WJL

State: 4,260,281
Agency: 0
Federal: 0
Other: 0
Total: 4,260,281

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 500 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	215,472	246,694	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	10,000	10,700		
Materials Testing Services	56,581	64,779		
Structural Plan Check	0	0		
Mechanical Plan Check	7,259	7,767		
Electrical Plan Check	4,259	4,557		
Civil Plan Check	2,420	2,589		
ADA Plan Check	3,274	3,503		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	7,663	8,199		
Constructability Plan Check	5,769	6,173		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	183,821	183,821		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	496,518	538,782		
Construction Costs				
Construction	2,824,055	3,233,261		Construction Cost Detail: 1 Building & Tower 1,502,751 2 Microwave Equipment 1,055,000 3 Site Development 154,350 4 Pavement Replacement 67,650 5 Demolition & Off-site 44,304 <hr/> Total 2,824,055 <hr/> Total 2,824,055
Construction Contingency	423,608	484,989		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	3,247,663	3,718,250		
Miscellaneous				
Advertising	2,110	2,416		
Printing	728	833		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,838	3,249		
Total Project Cost	3,747,019	4,260,281		

Project No: C17 **Title:** Microwave Tower Relocation (Grant Sawyer Office Building)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct relocation of the existing microwave tower and system in advance of the remodeling of various projects at the Grant Sawyer site.

Project Justification:

This microwave system is vital for maintaining communication across numerous critical government agencies and will be relocated prior to the Grant Sawyer Office Building remodel to provide uninterrupted service for the agencies.

Background Information:

The relocated microwave system will be built on State land, located at the Nevada Department of Transportation site on Washington Avenue in Las Vegas, Nevada.

Project No: C18 **Title:** Construct Parking Expansion (Grant Sawyer Office Building Site)

Description: Construct a parking expansion on the Grant Sawyer Office Building site to accommodate occupants and visitors during and after the construction of the Administration Building planned for the site.

Funding Summary

State: 1,792,630
Agency: 0
Federal: 0
Other: 0
Total: 1,792,630

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** MJM

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	127,629	146,122	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Construct Surface Parking Lot (85,000 @ \$8/ea) 680,000 2 Excavate & Export (6,300 cy@ \$25/cy) 157,500 3 Import & Compact (4,000 cy@ \$30/cy) 120,000 4 Parking Lot Lighting 75,000 5 Grading (85,000 sf@ \$0.65/sf) 55,250 6 Salvage Solar Array 35,000 7 Clearing & Grubbing (85,000 sf@ \$0.15/sf) 12,750 <hr/> Total 1,135,500 Total 1,135,500	
Surveys	7,500	8,025		
Soils Analysis	10,000	10,700		
Materials Testing Services	23,784	27,231		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	2,044	2,187		
Civil Plan Check	1,841	1,969		
ADA Plan Check	3,020	3,232		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	95,696	95,696		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	271,514	295,162		
Construction Costs				
Construction	1,135,500	1,300,034		
Construction Contingency	170,325	195,005		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	1,305,825	1,495,039		
Miscellaneous				
Advertising	1,577	1,806		
Printing	544	623		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,121	2,429		
Total Project Cost	1,579,460	1,792,630		

Project No: C18 **Title:** Construct Parking Expansion (Grant Sawyer Office Building Site)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct a surface parking lot expansion with lighting on the Grant Sawyer Office site.

Project Justification:

The 2023 CIP has a construction project for a new Administration Building to be located in the current parking area at this site. The design and construction of this expansion prior to that project moving forward is crucial to accommodate staff and visitors to the facility during and after the construction of the new building.

Background Information:

The Grant Sawyer Office was built in 1995. The building is 224,000 square feet.

Project No: C19 **Title:** Demolition of Cottages (Northern Nevada Children's Home)

Description: Demolition of structures except for the historic gymnasium and limited site restoration/ landscaping.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** IHK

State: 1,384,717
Agency: 0
Federal: 0
Other: 0
Total: 1,384,717

Project Group: Offices or Dorms **Building Area:** 25,909 gsf
Project Type: Demolition **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	78,984	92,981	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	1,000	1,177	1 Building Demolition (25,909 @ \$15/ea) 388,635
Structural Plan Check	0	0	2 Concrete Removal & Site Grading (530,000 sf@ \$0.50/sf) 265,000
Mechanical Plan Check	0	0	3 Utility Abandonment in Public Streets (25,909 sf@ \$3/sf) 77,727
Electrical Plan Check	1,350	1,465	4 Historical Plaque/ Monuments 18,750
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	3,650	3,960	Total 750,112
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	76,614	76,614	Total 750,112
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Historic Evaluation	8,000	9,418	
Subtotal	169,598	185,615	
Construction Costs			
Construction	750,112	883,051	
Construction Contingency	112,517	132,458	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	154,000	181,293	
Subtotal	1,016,629	1,196,802	
Miscellaneous			
Advertising	1,453	1,710	
Printing	501	590	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,954	2,300	
Total Project Cost	1,188,181	1,384,717	

Project No: C19 **Title:** Demolition of Cottages (Northern Nevada Children's Home)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and demolish buildings on the site except the historic gymnasium. This includes small ancillary buildings/sheds/tennis courts and unnecessary concrete flat work. The buildings were constructed during high use of asbestos building materials and contain asbestos siding, roofing, acoustic ceilings, and floorings that will be removed prior to demolition.

Project Justification:

The site has not been used as a children's home for decades. The site had very limited use from the mid 1980's until it was abandoned in 2005. The site has vandalism issues. The demolition and landscaping remediation will provide a visually acceptable site until future construction is approved for the site.

Background Information:

This demolition project was approved in the 2007 CIP but was deferred due to the general fund shortfall. The Rehab Building is 2,400 square-feet and was constructed in 1975. The Ice House is 1,700 square-feet and was constructed in 1950. The Friday Station is 2,760 square-feet and was constructed in 1960. The Ruby Station is 2,760 square-feet and was constructed in 1960. The VOA Foster Care Housing is 2,760 square-feet and was constructed in 1960. The B&G Club Services is 2,269 square-feet and was constructed in 1960. The Mountain Springs Stations 2,425 square-feet and was constructed in 1960. The Buckland Station is 2,425 square-feet and was constructed in 1965. The Garage is 2,000 square-feet and was constructed in 1960. The Educational Center is 1,650 square-feet and was constructed in 1965.

Project No: C20 **Title:** Visitor's Center (Nevada State Railroad Museum, Boulder City)

Description: This project is the continuation of 17-A009 and 22-A007 and will construct a Visitor's Center at the Nevada State Railroad Museum in Boulder City.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** KEN

State: 0
Agency: 0
Federal: 0
Other: 23,309,936
Total: 23,309,936

Project Group: Labs, Medical or Museums **Building Area:** 9,700 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Boulder City **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	387,954	444,169	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail:	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	236,690	270,986		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	459,180	459,180		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Exhibit Design	48,500	55,528		
Subtotal	1,132,324	1,229,863		
Construction Costs				
Construction	15,769,950	18,055,016		1 Museum Visitor Building (9,700 sf@ \$775/sf) 7,517,500
Construction Contingency	1,576,995	1,805,502	2 Train Loading Platform 539,000	
Green Building Equivalence	0	0	3 Orientation Plaza 509,000	
Utility/Off-Site Costs	179,000	204,937	4 Earthwork (1.25 ac@ \$42/sf) 2,286,900	
Utility Connection Fees	48,500	55,528	5 Sitework (1.25 ac@ \$14/sf) 762,300	
Data/Telecom Wiring	46,560	53,307	6 Onsite Utilities 236,000	
Furnishings and Equipment	1,576,995	1,805,502	7 Offsite Hardscape & Utilities 172,000	
Roof Maint. Agreement	0	0	8 Train Loading Shade Structures (11,500 sf@ \$84/sf) 966,000	
Local Government Requirements	83,000	95,027	9 Emergency Generator 99,000	
Hazardous Material Abatement	0	0	10 Roof Photovoltaic System 636,000	
Subtotal	19,281,000	22,074,819	11 Exhibit Construction 1,466,250	
Miscellaneous				
Advertising	3,413	3,907	12 Track Extension 580,000	
Printing	1,177	1,347	Total 15,769,950	
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	4,590	5,254		
Total Project Cost	20,417,914	23,309,936	Total 15,769,950	

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) = 34.97
 Estimated Inflation (%/year) = 2.70%
 Project Area (sf) = 9,700
 Life Cycle (years) = 30
 Operation & Maintenance Cost = 15,376,093
 Construction Cost = 23,309,936
 Total Life Cycle Cost = 38,686,029

Project No: C20 **Title:** Visitor's Center (Nevada State Railroad Museum, Boulder City)

Agency: Museums and History

Location: Boulder City

Detail Description:

This project will construct a 9,700 square-foot visitor center, orientation plaza, train loading platforms, and parking for the State Railroad Museum in Boulder City. The facility will be located at the southeasterly end of the Boulder City Railroad Museum railroad complex.

Funding Description:

On June 3, 2019, the legislature passed AB-84, the extension of the Conservation Bond Act. That reauthorization contains \$30 million for state museums, a portion of which is earmarked for "Boulder City Railroad Museum expansion".

Project Justification:

The Nevada State Railroad Museum in Boulder City opened to the public in 2001. The railroad grew in popularity going from 1,600 passengers in 2001 to 55,655 in fiscal year 2019. It is anticipated that the museum visitorship will continue to grow as there is a lack of competition for a similar experience in the area. It is significant in community efforts to attract tourists. While growth continues, it is stymied by a lack of visitor facilities and parking. The museum store has a sales area of less than 100 sf and no facilities are available for visitors to seek shelter from varying weather conditions.

Background Information:

This project is a continuation of 17-A009 and 22-A007, Advance Planning - Visitor's Center Nevada State Railroad Museum which provide design through construction documents. The Nevada State Railroad Museum in Boulder City traces its beginnings to 1931, when the historic Boulder Branch line was completed to supply building materials to Hoover Dam. In 1985 the Union Pacific Railroad donated the land and track to the State of Nevada for the Nevada State Railroad Museum. In 2001 the current open air railroad passenger facilities were completed and the museum opened to the public.

Project No: C22 **Title:** Marlette Dam Rehabilitation (Marlette Lake Water System)

Description: Additional Funding to allow full completion of the project scope and escalation to Spring 2024 notice to proceed.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** BJW

State: 9,864,119
Agency: 0
Federal: 542,319
Other: 0
Total: 10,406,438

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
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	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	0	0	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	Construction Cost Detail:
Materials Testing Services	0	0	
Structural Plan Check	0	0	1 Additional Construction Funding 8,839,804
Mechanical Plan Check	0	0	Total 8,839,804
Electrical Plan Check	0	0	Total 8,839,804
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	0	0	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	0	0	

Construction Costs			
Construction	8,839,804	10,406,438	
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	8,839,804	10,406,438	

Miscellaneous			
Advertising	0	0	
Printing	0	0	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	0	0	
Total Project Cost	8,839,804	10,406,438	

Project No: C22 **Title:** Marlette Dam Rehabilitation (Marlette Lake Water System)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will provide additional funding necessary to complete the project 19-C08. The project will construct structural and functional upgrades to the Marlette Lake Dam. The scope of work, begun in 19-C08, includes an assessment of existing conditions, including a seismic evaluation, upgrades to protect against seismic events, and replacement of discharge piping and outlet valves.

Funding Description:

19-C08 was approved with \$9,457,681 of federal grant funding authority whereas the actual federal grant will be \$10,000,000. The \$542,319 of additional authority in this project will enable the State to receive the entire federal grant.

Project Justification:

Project 19-C08 was funded with 24 months of cost inflation which would have supported commencing construction in Summer 2021. Extensive permitting required by the federal grant has pushed back the expected start of construction to Summer 2024. The construction delay has exposed this project to inflationary pressures and resultant cost increases.

Project scope modifications have also increased costs. The design process has uncovered that the primary outlet must be removed and replaced instead of sliplining the existing piping. Work required to dewater the reservoir will be more extensive than originally budgeted due to lake floor conditions and environmental constraints.

Background Information:

The Marlette Lake Water System (MLWS) was originally constructed in the 1870's to provide water to Virginia City. It was purchased in 1963 by the State of Nevada and is currently run by the State Public Works Division. The MLWS provides raw water to Carson City and Storey County and is the only source of water for Virginia City, Gold Hill and Silver City. Water is still conveyed through the 1870's era inverted siphon that runs from a storage tank at Lakeview, under I-580 and back up in elevation to 5-Mile Reservoir near Virginia City.

The Marlette Lake Dam is a rubble and earthen structure constructed in 1873 and raised to its current 52-foot height in 1959. Marlette Lake is located 7,850 feet above sea level and has 11,500-acre feet (3,749 million gallons) of water storage. Marlette Lake is used not only by the MLWS but is within the Lake Tahoe Nevada State Park and is also used as a brood lake by US Fish and Wildlife and Nevada Department of Wildlife for various species.

Project No: C23 **Title:** Reconfigure West Entrance (Valley of Fire State Park)

Description: Reconfigure west entrance with additional vehicular entrance lane. Upgrade existing fee booth, and provide a new shade structure at point of entry.

Funding Summary

Department: CNR **Division:** Parks
Agency: Parks **Project Mgr:** WJL

State: 1,243,590
Agency: 0
Federal: 0
Other: 0
Total: 1,243,590

Project Group: Civil/Sitework **Building Area:** 1,200 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Valley of Fire **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Shade Structure (1,200 sf@ \$120/sf) 144,000 2 Gate Access Controllers (2 @ \$55,000/ea) 110,000 3 Road Modifications (2,300 sf@ \$32/sf) 73,600 4 Vehicular Gate 49,500 5 Self-Pay Station (2 @ \$22,300/ea) 44,600 6 Landscaping (1,575 sf@ \$16/sf) 25,200 7 Site Development (1,000 @ \$18/ea) 18,000 8 Casework (fee Booth) (20 sf@ \$440/sf) 8,800 <hr/> Allowances: 1 Remote Site (20%) 94,740 2 Occupied Facility (20%) 94,740 <hr/> Total 189,480 Total 663,180
A/E Design & Supervision	93,293	106,811	
Surveys	44,000	47,080	
Soils Analysis	22,000	23,540	
Materials Testing Services	23,286	26,660	
Structural Plan Check	1,663	1,780	
Mechanical Plan Check	0	0	
Electrical Plan Check	1,194	1,277	
Civil Plan Check	1,429	1,530	
ADA Plan Check	1,990	2,129	
Fire Marshal Plan Check	1,996	2,136	
Code Compliance Plan Check	3,650	3,906	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	71,774	71,774	
3rd Party Commissioning	0	0	
FF&E Design Fee	3,316	3,796	
Subtotal	269,591	292,419	
Construction Costs			
Construction	663,180	759,275	
Construction Contingency	99,477	113,891	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	66,318	75,927	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	828,975	949,093	
Miscellaneous			
Advertising	1,350	1,545	
Printing	465	533	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,815	2,078	
Total Project Cost	1,100,381	1,243,590	

Project No: C23 **Title:** Reconfigure West Entrance (Valley of Fire State Park)

Agency: Nevada Division of State Parks

Location: Valley of Fire

Detail Description:

This project will design and construct a reconfigured west entrance of Valley of Fire State Park to incorporate additional entrance lanes that can utilize self pay stations. The project consists of creating a two entry vehicular lane to reconfigure the West Entrance at the park. The entrance lanes will feature a self pay station to accommodate Park visitors expediently. The existing Entry Contact Station will feature a newly upgraded fee booth and shade structure over the vehicular check-in lanes.

Project Justification:

The park now hosts nearly 1,000,000 visitors per year and the one lane entrance is not sufficient to handle this volume of traffic. Steady increases in visitation over the past several years now cause up to 90 minute delays for visitors to enter the park.

Background Information:

Valley of Fire State Park is located 50 miles northeast of Las Vegas. It is Nevada's oldest state park and was designated as a National Natural Landmark in 1968.

Project No: C24 **Title:** Bradley Building Demolition
Description: This project will demolish the Bradley Building and perform site restoration.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** WJL

State: 1,660,311
Agency: 0
Federal: 0
Other: 0
Total: 1,660,311

Project Group: Offices or Dorms **Building Area:** 28,275 gsf
Project Type: Demolition **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	113,813	130,305	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	1,000	1,145	1 Demolish Bradley Building (28,275 sf@ \$23/sf) 650,325
Structural Plan Check	2,033	2,175	2 Asbestos Abatement (28,275 sf@ \$8/sf) 226,200
Mechanical Plan Check	0	0	3 Landscaping Restoration (40,000 sf@ \$4/sf) 160,000
Electrical Plan Check	1,947	2,083	4 Utility Abandonment 45,000
Civil Plan Check	1,824	1,952	
ADA Plan Check	0	0	Total 1,081,525
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	Total 1,081,525
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	96,301	96,301	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	216,918	233,961	
Construction Costs			
Construction	1,081,525	1,238,238	
Construction Contingency	162,229	185,736	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	1,243,754	1,423,974	
Miscellaneous			
Advertising	1,544	1,767	
Printing	532	609	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,076	2,376	
Total Project Cost	1,462,748	1,660,311	

Project No: C24 **Title:** Bradley Building Demolition

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and demolish the Bradley Building in Las Vegas.

Project Justification:

The building is vacant, beyond its useful life, and renovation is not warranted as the current facility conditions need index (FCNI) is 64%. Most of the engineering systems in the building are original to the building and are now almost 50 years old. Bringing the building back into service would require a total removal and rebuilding of the existing systems, interior walls and ceilings and equipment, including the elevators.

Background Information:

The Bradley Building is 28,275 square-feet and was constructed in 1975.

Project No: C25 **Title:** Field Maintenance Shop 1 Remodel (Floyd Edsall Training Center)

Description: This project is the continuation of 23-A008 to remodel the Field Maintenance Shop 1 (FMS1).

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** KEN

State: 7,816,439
Agency: 0
Federal: 0
Other: 0
Total: 7,816,439

Project Group: Armory, Military or Prisons **Building Area:** 5,300 gsf
Project Type: Addition **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: North Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	533,464	610,763	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	12,500	13,375		
Soils Analysis	10,000	10,700		
Materials Testing Services	67,856	77,688		
Structural Plan Check	3,626	3,880		
Mechanical Plan Check	6,276	6,716		
Electrical Plan Check	5,063	5,418		
Civil Plan Check	3,021	3,233		
ADA Plan Check	3,616	3,869		
Fire Marshal Plan Check	9,565	10,235		
Code Compliance Plan Check	12,682	13,570		
Constructability Plan Check	8,541	9,139		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	286,716	286,716		
3rd Party Commissioning	0	0		
FF&E Design Fee	25,528	29,227		
Subtotal	988,454	1,084,529		
Construction Costs				
Construction	5,105,540	5,845,333		Construction Cost Detail: 1 Addition (4,600 sf@ \$850/sf) 3,910,000 2 Renovation (700 sf@ \$620/sf) 434,000 3 On-site Improvements 297,400 <hr/> Total 4,641,400 Allowances: 1 Occupied Facility (10%) 464,140 <hr/> Total 464,140 <hr/> Total 5,105,540
Construction Contingency	765,831	876,800		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	2,650	3,034		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	2,500	2,862		
Subtotal	5,876,521	6,728,029		
Miscellaneous				
Advertising	2,520	2,886		
Printing	869	995		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	3,389	3,881		
Total Project Cost	6,868,364	7,816,439		

Project No: C25 **Title:** Field Maintenance Shop 1 Remodel (Floyd Edsall Training Center)

Agency: Nevada Army National Guard

Location: North Las Vegas

Detail Description:

This project will construct locker room space, restrooms, break room space, classrooms, offices and storage areas at the existing Field Maintenance Shop 1 (FMS1).

Project Justification:

The field maintenance shop unit and the mission of the facility has grown since the building was originally constructed. The facility requires additional square footage and areas renovated to meet the current needs of the facility.

Background Information:

The Field Maintenance Shop was constructed in 1997. This project is a continuation of 23-A008.

Project No: C27 **Title:** Gymnasium Addition and Remodel (Summit View Youth Center)

Description: Addition and remodel at the Summit View Youth Center Gymnasium to add multi-purpose rooms, restroom, air conditioning, and athletic flooring.

Funding Summary

Department: DHHS **Division:** CFS
Agency: SVYC **Project Mgr:** JSP

State: 4,505,952
Agency: 0
Federal: 0
Other: 0
Total: 4,505,952

Project Group: Offices or Dorms **Building Area:** 9,573 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: North Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	314,646	360,239	1 Addition (1,800 sf@ \$620/sf) 1,116,000
Surveys	10,000	10,700	2 Athletic Flooring (7,773 sf@ \$62.50/sf) 485,813
Soils Analysis	15,000	16,050	3 Roof & Wall Insulation (7,773 sf@ \$36/sf) 279,828
Materials Testing Services	10,847	12,419	4 Mechanical Upgrades (7,773 sf@ \$23/sf) 178,779
Structural Plan Check	2,679	2,867	5 Bleacher Replacement 105,000
Mechanical Plan Check	4,699	5,028	6 LED Lighting Upgrade (7,773 sf@ \$8/sf) 62,184
Electrical Plan Check	3,619	3,872	7 Electrical Upgrades (7,773 sf@ \$6/sf) 46,638
Civil Plan Check	2,386	2,553	8 Sewer Line (350 lf@ \$130/lf) 45,500
ADA Plan Check	3,255	3,483	9 Roof Repairs (7,773 sf@ \$5/sf) 38,865
Fire Marshal Plan Check	5,594	5,985	10 Fire Sprinkler Extension (1,800 sf@ \$16/sf) 28,800
Code Compliance Plan Check	7,387	7,904	11 CCTV System 28,000
Constructability Plan Check	0	0	12 Drinking Fountain (4 @ \$4,200/ea) 16,800
CMAR Pre-Construction Services	0	0	13 Athletic Court Striping 9,375
PWD Project Mgmt & Inspection	179,179	179,179	14 Replace Basketball Backstops (2 @ \$4,000/ea) 8,000
3rd Party Commissioning	0	0	15 Remove Existing Bleachers 3,750
FF&E Design Fee	13,493	15,449	Total 2,453,332
Subtotal	572,784	625,728	
Construction Costs			
Allowances:			
Construction	2,698,665	3,089,701	1 Secure Facility Allowance (10%) 245,333
Construction Contingency	404,800	463,455	Total 245,333
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	269,866	308,970	Total 2,698,665
Roof Maint. Agreement	0	0	
Local Government Requirements	10,000	11,449	
Hazardous Material Abatement	3,000	3,435	
Subtotal	3,386,331	3,877,010	
Miscellaneous			
Advertising	2,087	2,390	
Printing	720	824	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,807	3,214	
Total Project Cost	3,961,922	4,505,952	

Project No: C27 **Title:** Gymnasium Addition and Remodel (Summit View Youth Center)

Agency: Summit View Youth Center

Location: North Las Vegas

Detail Description:

This project will design and construct additional multi-purpose rooms, a restroom, athletic flooring, air conditioning system, and closed circuit TV system to the Gymnasium at Summit View Youth Center (SVYC). This project will also replace the lighting and bleachers and add insulation to the wall and roof assemblies.

Project Justification:

The SVYC facility does not have flexible rooms for use by the youths. The addition of multipurpose rooms will provide indoor recreational opportunities. The project will also add a closed circuit TV system for the safety and security of the users. The evaporative coolers are original to construction and have reached the end of their useful service life. The extreme Las Vegas temperatures do not allow the youth to participate in the gym safely. Adding a new air conditioning system will provide the necessary heating and cooling to increase participation. The existing bleachers are original to the building and need to be replaced. If this project is not funded, the gymnasium will continue to be underutilized and the youths will be underserved in opportunities for rest and physical exercise.

Background Information:

The gymnasium at SVYC was built in 2000.

Project No: C28 **Title:** Administration Building (Sahara Complex)
Description: Design and construct a 130,000 square-foot office building on the Sahara complex.

Funding Summary	
State:	150,499,098
Agency:	0
Federal:	0
Other:	0
Total:	150,499,098

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** WJL

Project Group: Offices or Dorms	Building Area: 130,000 gsf
Project Type: New	Months To Construction: 36
Project Site: Local	Const. Annual Inflation Rate: 7.00%
Location: Las Vegas	Total Inflation: 22.50%

	2022	2025	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	8,347,438	10,225,970	
Surveys	20,000	22,136	
Soils Analysis	15,000	16,602	
Materials Testing Services	265,642	325,423	
Structural Plan Check	26,072	28,857	
Mechanical Plan Check	24,977	27,645	
Electrical Plan Check	17,386	19,243	
Civil Plan Check	25,222	27,916	
ADA Plan Check	13,639	15,096	
Fire Marshal Plan Check	157,705	174,550	
Code Compliance Plan Check	151,803	168,018	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	474,436	581,205	
PWD Project Mgmt & Inspection	2,017,483	2,017,483	
3rd Party Commissioning	169,000	207,032	
FF&E Design Fee	468,136	573,487	
Traffic Study	200,000	245,009	
Programming & Conceptual Design	200,000	245,009	
Subtotal	12,593,939	14,920,680	
Construction Costs			
Construction	94,887,200	116,240,900	
Construction Contingency	9,488,720	11,624,090	
Green Building Equivalence	3,795,488	4,649,636	
Utility/Off-Site Costs	300,000	367,513	
Utility Connection Fees	625,000	765,652	
Data/Telecom Wiring	624,000	764,427	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	25,000	25,000	
Local Government Requirements	925,000	1,133,165	
Hazardous Material Abatement	0	0	
Subtotal	110,670,408	135,570,383	
Miscellaneous			
Advertising	4,878	5,975	
Printing	1,682	2,060	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	6,560	8,035	
Total Project Cost	123,270,907	150,499,098	

Construction Cost Detail:

1	Building Construction (130,000 sf@ \$680/sf)	88,400,000
2	Site Development (4 ac@ \$30/sf)	5,227,200
3	Surface Parking (140,000 sf@ \$9/sf)	1,260,000
Total		94,887,200
Total		94,887,200

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) =	16.22
Estimated Inflation (%/year) =	2.70%
Project Area (sf) =	130,000
Life Cycle (years) =	30
Operation & Maintenance Cost =	95,581,278
Construction Cost =	150,499,098
Total Life Cycle Cost =	246,080,377

Project No: C28 **Title:** Administration Building (Sahara Complex)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct a 130,000 square-foot office building for Buildings and Grounds to rent to state agencies.

Project Justification:

This building will create substantial efficiencies by centralizing agencies that were dispersed to leased space when the Bradley Building was closed.

Background Information:

This building will be located on the Sahara Complex near the new DMV and DETR buildings. The 130,000 square-foot building will provide office space for certain State Agencies currently in leased space.

Project No: C29 **Title:** State Office Building (Grant Sawyer Office Site)

Description: Design and construct a 125,000 square-foot state office building and structured parking garage to be located at the Grant Sawyer Office Site.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** WJL

State: 186,317,619
Agency: 0
Federal: 0
Other: 0
Total: 186,317,619

Project Group: Offices or Dorms **Building Area:** 125,000 gsf
Project Type: New **Months To Construction:** 36
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 22.50%

	2022	2025	Remarks
Professional Services			
A/E Design & Supervision	10,316,511	12,638,170	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Building (125,000 sf@ \$600/sf) 75,000,000 2 Structured Parking Garage (1,037 @ \$30,000/ea) 31,110,000 3 Site Development (6 ac@ \$30/sf) 7,840,800 4 Central Plant (3,600 sf@ \$1,250/sf) 4,500,000 5 Off-site Development 350,000 <hr/> Total 118,800,800 Total 118,800,800
Surveys	22,000	24,350	
Soils Analysis	22,000	24,350	
Materials Testing Services	200,839	246,036	
Structural Plan Check	32,050	35,474	
Mechanical Plan Check	29,760	32,939	
Electrical Plan Check	20,255	22,419	
Civil Plan Check	31,200	34,533	
ADA Plan Check	16,030	17,742	
Fire Marshal Plan Check	197,162	218,222	
Code Compliance Plan Check	182,891	202,427	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	594,004	727,680	
PWD Project Mgmt & Inspection	2,017,483	2,017,483	
3rd Party Commissioning	162,500	199,069	
FF&E Design Fee	309,909	379,652	
Programming & Conceptual Design	200,000	245,009	
Traffic Study	250,000	306,261	
Subtotal	14,604,594	17,371,815	
Construction Costs			
Construction	118,800,800	145,536,088	Life Cycle Cost Estimate Typical O&M (\$/sf/year today) = 16.22 Estimated Inflation (%/year) = 2.70% Project Area (sf) = 125,000 Life Cycle (years) = 30 Operation & Maintenance Cost = 91,905,075 Construction Cost = 186,317,619 Total Life Cycle Cost = 278,222,695
Construction Contingency	11,880,080	14,553,609	
Green Building Equivalence	4,752,032	5,821,444	
Utility/Off-Site Costs	300,000	367,513	
Utility Connection Fees	625,000	765,652	
Data/Telecom Wiring	600,000	735,026	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	25,000	25,000	
Local Government Requirements	925,000	1,133,165	
Hazardous Material Abatement	0	0	
Subtotal	137,907,912	168,937,497	
Miscellaneous			
Advertising	5,042	6,177	
Printing	1,739	2,130	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	6,781	8,307	
Total Project Cost	152,519,287	186,317,619	

Project No: C29 **Title:** State Office Building (Grant Sawyer Office Site)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct a 125,000 square-foot state office building and parking structure.

Project Justification:

The potential displacement of state agencies during the remodel of the Grant Sawyer Office Building has pointed towards budget acumen that constructing a new office tower on the Grant Sawyer Office Building site is in the best interest of the state and will allow constitutional officers and selected agencies to serve the public during, and after the Grant Sawyer Office Building Remodel.

Background Information:

The proposed location is the Grant Sawyer Office Site.

Project No: C30 **Title:** Administration Building (Kinkead Building Site)

Description: Design and construct a 130,000 square-foot office building at the Capitol complex.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** ALB

State: 158,465,753
Agency: 0
Federal: 0
Other: 0
Total: 158,465,753

Project Group: Offices or Dorms **Building Area:** 130,000 gsf
Project Type: New **Months To Construction:** 36
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 27.73%

	2022	2025	Remarks
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	2022	2025
Professional Services		
A/E Design & Supervision	8,497,130	10,853,292
Surveys	24,000	27,124
Soils Analysis	24,000	27,124
Materials Testing Services	259,070	330,907
Structural Plan Check	26,658	30,128
Mechanical Plan Check	25,446	28,758
Electrical Plan Check	17,667	19,967
Civil Plan Check	25,808	29,167
ADA Plan Check	13,873	15,679
Fire Marshal Plan Check	161,571	182,603
Code Compliance Plan Check	154,849	175,006
Constructability Plan Check	0	0
CMAR Pre-Construction Services	486,151	620,955
PWD Project Mgmt & Inspection	2,017,483	2,017,483
3rd Party Commissioning	169,000	215,862
FF&E Design Fee	486,406	621,281
Programming & Conceptual Design	300,000	383,187
Subtotal	12,689,112	15,578,523

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

Construction Cost Detail:

1 Administration Building (130,000 sf@ \$680/sf)	88,400,000
2 Site Development (4 ac@ \$30/sf)	5,227,200
3 Surface Parking (140,000 sf@ \$17/sf)	2,380,000
4 Half Street Improvements (1,000 lf@ \$973/lf)	973,000
5 Landscaping (20,000 sf@ \$10/sf)	200,000
6 Off-site Development	50,000
Total	97,230,200
Total	97,230,200

	2022	2025
Construction Costs		
Construction	97,230,200	124,191,077
Construction Contingency	9,723,020	12,419,108
Green Building Equivalence	3,889,208	4,967,643
Utility/Off-Site Costs	75,000	95,797
Utility Connection Fees	100,000	127,729
Data/Telecom Wiring	624,000	797,028
Furnishings and Equipment	0	0
Roof Maint. Agreement	25,000	25,000
Local Government Requirements	200,000	255,458
Hazardous Material Abatement	0	0
Subtotal	111,866,428	142,878,840

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) =	16.22
Estimated Inflation (%/year) =	2.70%
Project Area (sf) =	130,000
Life Cycle (years) =	30
Operation & Maintenance Cost =	95,581,278
Construction Cost =	158,465,753
Total Life Cycle Cost =	254,047,031

	2022	2025
Miscellaneous		
Advertising	4,885	6,239
Printing	1,684	2,151
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	6,569	8,390
Total Project Cost	124,562,109	158,465,753

Project No: C30 **Title:** Administration Building (Kinkead Building Site)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct a 130,000 square-foot building for Buildings and Grounds to rent to state agencies.

Project Justification:

State agencies offices in Carson City are currently located in leased space throughout the City as well as the State Library, Blasdel Building, EICON Building, and the Historic Armory. This creates substantial inefficiencies due to most agencies located in different locations.

Background Information:

The Kinkead building was demolished in 2017. Upgrades to the Blasdel building have been minimized to allow for this project to replace its functionality.

Project No: C32 **Title:** Storage Building (Northern Nevada State Veterans Home)
Description: Design and construct a 2,400 square-foot storage building at the Northern Nevada State Veterans Home.
Department: NDVS **Division:** VetHome
Agency: NNSVH **Project Mgr:** MNB

Funding Summary	
State:	2,098,083
Agency:	0
Federal:	0
Other:	0
Total:	2,098,083

Project Group: Storage or Warehousing	Building Area: 2,400 gsf
Project Type: New	Months To Construction: 24
Project Site: Local	Const. Annual Inflation Rate: 8.50%
Location: Sparks	Total Inflation: 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	100,707	118,555	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	9,000	9,765		
Soils Analysis	9,000	9,765		
Materials Testing Services	23,802	28,021		
Structural Plan Check	2,055	2,229		
Mechanical Plan Check	3,136	3,403		
Electrical Plan Check	2,045	2,219		
Civil Plan Check	1,841	1,997		
ADA Plan Check	0	0		
Fire Marshal Plan Check	3,016	3,272		
Code Compliance Plan Check	3,950	4,286		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	95,134	95,134		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Archeological Evaluation	30,000	35,317		
Subtotal	283,686	313,963		
Construction Costs				
Construction	1,136,390	1,337,787		Construction Cost Detail: 1 Insulated Metal Building (2,400 sf@ \$330/sf) 792,000 2 Site Development (10,890 sf@ \$21/sf) 228,690 3 Plumbing 35,000 4 Fencing (230 lf@ \$125/lf) 28,750 5 Electrical 19,200 6 Fire Sprinkler (2,400 sf@ \$6/sf) 14,400 7 HVAC 9,750 8 Roll Up Doors (2 @ \$4,300/ea) 8,600 <hr/> Total 1,136,390 <hr/> Total 1,136,390
Construction Contingency	170,459	200,668		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	180,000	211,901		
Utility Connection Fees	25,000	29,431		
Data/Telecom Wiring	1,440	1,695		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	1,513,289	1,781,482		
Miscellaneous				
Advertising	1,666	1,962	Life Cycle Cost Estimate Typical O&M (\$/sf/year today) = 8.01 Estimated Inflation (%/year) = 2.70% Project Area (sf) = 2,400 Life Cycle (years) = 30 Operation & Maintenance Cost = 871,410 Construction Cost = 2,098,083 Total Life Cycle Cost = 2,969,492	
Printing	575	676		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,241	2,638		
Total Project Cost	1,799,216	2,098,083		

Project No: C32 **Title:** Storage Building (Northern Nevada State Veterans Home)

Agency: Northern Nevada State Veterans Home

Location: Sparks

Detail Description:

This project will design and construct a 2,400 square-foot storage building at the Northern Nevada State Veterans Home. The building will include concrete masonry units on the lower walls, roll up doors, fire sprinkler and heating.

Project Justification:

This facility does not have adequate storage space. Providing a storage building will allow the facility to store both large and small items in an organized fashion to efficiently meet the needs of current and future clients. The storage building provides the facility a location to remove and store items while waiting for repair or replacement.

Background Information:

The Northern Nevada State Veterans Home was constructed in 2019, is 102,000 square-feet and has 96 beds.

Project No: C33 **Title:** Southern Nevada Small Arms Range (Nevada Army National Guard)

Description: Design and construct a small arms range and supporting facilities in Las Vegas.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** BJW

State: 17,000,000
Agency: 0
Federal: 0
Other: 0
Total: 17,000,000

Project Group: Armory, Military or Prisons **Building Area:** 3,130 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	1,053,621	1,206,290	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Target Range 7,875,000 2 Range Operations Area 560,000 3 Operations & Storage (800 sf@ \$540/sf) 432,000 4 Control Tower 370,000 5 Restrooms (550 sf@ \$660/sf) 363,000 6 Range Classroom (800 sf@ \$400/sf) 320,000 7 Covered Bleacher 295,000 8 Covered Mess (800 sf@ \$310/sf) 248,000 9 Ammunition Breakdown (180 sf@ \$1,350/sf) 243,000 10 Surface Parking (14,000 sf@ \$17/sf) 238,000 Total 10,944,000	
Surveys	25,000	26,750		
Soils Analysis	35,000	37,450		
Materials Testing Services	182,434	208,869		
Structural Plan Check	5,086	5,442		
Mechanical Plan Check	7,736	8,278		
Electrical Plan Check	6,642	7,106		
Civil Plan Check	4,236	4,533		
ADA Plan Check	4,463	4,776		
Fire Marshal Plan Check	19,199	20,542		
Code Compliance Plan Check	25,244	27,011		
Constructability Plan Check	17,439	18,659		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	510,671	510,671		
3rd Party Commissioning	0	0		
FF&E Design Fee	10,000	11,449		
Subtotal	1,906,771	2,097,826		
Construction Costs				
Construction	10,944,000	12,529,786		Total 10,944,000
Construction Contingency	1,094,400	1,252,979		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	530,000	606,797		
Utility Connection Fees	48,500	55,528		
Data/Telecom Wiring	150,000	171,735		
Furnishings and Equipment	200,000	228,980		
Roof Maint. Agreement	0	0		
Local Government Requirements	45,000	51,521		
Hazardous Material Abatement	0	0		
Subtotal	13,011,900	14,897,326		
Miscellaneous				
Advertising	3,149	3,605		
Printing	1,086	1,243		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	4,235	4,848		
Total Project Cost	14,922,906	17,000,000		

Life Cycle Cost Estimate

Typical O&M (\$/sf/year today) = 22.88
 Estimated Inflation (%/year) = 2.70%
 Project Area (sf) = 3,130
 Life Cycle (years) = 30
 Operation & Maintenance Cost = 3,246,228
 Construction Cost = 17,000,000
 Total Life Cycle Cost = 20,246,228

Project No: C33 **Title:** Southern Nevada Small Arms Range (Nevada Army National Guard)

Agency: Nevada Army National Guard

Location: Las Vegas

Detail Description:

This project will design and construct a small arms range consisting of a four-lane rifle and pistol target range. The project will also include a control tower, restrooms, classroom, ammunition breakdown building, lead recovery system, operations & storage building, covered pad with bleachers, parking area, and access to existing roads.

Project Justification:

Nevada Army National Guard service members currently travel out of state to receive weapons training.

Background Information:

The facility will be located on 25-acres of land leased from the Las Vegas Metropolitan Police Department and Clark County at 7600 East Carey Avenue in Las Vegas.

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Planning

High Priority for 2023

Project No: P01 **Title:** Advance Planning: Headquarters Building (Department of Public Safety)

Description: This project is the continuation of 21-P04 and will provide design through construction documents for a 161,900 square-foot campus at the Old Carson Armory Site.

Funding Summary

Department: PubSafe **Division:** PubSafe
Agency: PubSafe **Project Mgr:** ALB

State: 11,762,261
Agency: 5,793,353
Federal: 0
Other: 0
Total: 17,555,614

Project Group: Offices or Dorms **Building Area:** 161,900 gsf
Project Type: New **Months To Construction:** 15
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 10.74%

	2022	2023	Remarks	
Professional Services				
A/E Design & Supervision	13,792,579	15,273,291	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Headquarters Building (144,000 sf@ \$800/sf) 115,200,000 2 Toxicology Lab (17,900 sf@ \$1,562/sf) 27,959,800 3 Structured Parking (550 @ \$41,799/ea) 22,989,450 4 Site Development (15.34 ac@ \$21/sf) 14,032,418 5 Off-site Improvements 948,691 <hr/> Total 181,130,359 Total 181,130,359	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	47,633	50,295		
Mechanical Plan Check	42,226	44,586		
Electrical Plan Check	27,735	29,285		
Civil Plan Check	46,783	49,397		
ADA Plan Check	22,263	23,507		
Fire Marshal Plan Check	300,006	316,774		
Code Compliance Plan Check	263,919	278,671		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	905,652	1,002,879		
PWD Project Mgmt & Inspection	311,940	311,940		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	15,760,736	17,380,625		
Construction Costs				
Construction	0	0		
Construction Contingency	0	0		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	150,860	167,056		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	150,860	167,056		
Miscellaneous				
Advertising	5,327	5,899		
Printing	1,837	2,034		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	7,164	7,933		
Total Project Cost	15,918,760	17,555,614		

Project No: P01 **Title:** Advance Planning: Headquarters Building (Department of Public Safety)

Agency: Public Safety

Location: Carson City

Detail Description:

This project will provide advance planning from schematic design through construction documents for the Department of Public Safety headquarters campus in Carson City. The project includes a 161,900 square-foot building with a 550-space structured parking garage with connecting bridge, rooftop photovoltaic system and fitness center. The intent of this project is to consolidate the Department's headquarters into a single campus facility and to construct a state forensic testing laboratory.

It is anticipated that approximately a \$324,000,000 construction project will be requested in the 2025 Capital Improvement Program as a result of this project.

Funding Description:

The proposed funding for this project is 33% highway funds/ 67% state funds.

Project Justification:

The goal of the department is to consolidate personnel and facilities in a centralized Department of Public Safety (DPS) campus. Currently, DPS staff are working in eight state owned buildings and eight privately leased office locations throughout the Carson City area. The current isolation of the DPS headquarters offices continues to inhibit the operational effectiveness of the department. This also creates security issues because of ineffective and cumbersome security systems in some of the decentralized office locations. Because many public safety emergency responses require multiple disciplines to mitigate, the lack of centralized personnel slows and hinders response capabilities. Construction of this building will allow DPS to vacate its current facility at 555 Wright Way and allow DMV expansion in that facility for their current needs and future growth. Because of limited space at the current facility, DPS has already moved some of its divisions out of the 555 Wright Way facility. DMV's space needs also continue to grow and the construction of a new DPS Headquarters Building will benefit both departments.

Background Information:

The proposed site location for the DPS headquarters is a 15-acre parcel in Carson City, at the southeast corner of South Carson Street and Colorado Street, which was the previous location of the Nevada Army National Guard. Because of its high visibility on a main thoroughfare and the ready access to major traffic routes, this is an excellent location for this facility.

Project No: P04 **Title:** Advance Planning: North Las Vegas State Veterans Home

Description: Design through construction documents for a 128 bed, 120,000 square foot State Veterans Home on the Veterans Affairs Sierra Nevada Health Care System campus in North Las Vegas.

Funding Summary

Department: NDVS **Division:** VetHome
Agency: SNSVH **Project Mgr:** MML

State: 5,438,190
Agency: 0
Federal: 10,099,496
Other: 0
Total: 15,537,686

Project Group: Labs, Medical or Museums **Building Area:** 120,000 gsf
Project Type: New **Months To Construction:** 15
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: North Las Vegas **Total Inflation:** 8.83%

	2022	2023	Remarks
Professional Services			
A/E Design & Supervision	10,510,373	11,437,941	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	55,000	57,538	
Soils Analysis	60,000	62,768	Construction Cost Detail:
Materials Testing Services	0	0	
Structural Plan Check	36,542	38,228	1 128 Bed Skilled Nursing Facility (120,000 sf@ \$950/sf) 114,000,000
Mechanical Plan Check	33,354	34,893	2 Site Work Improvements (16 ac@ \$21/sf) 14,636,160
Electrical Plan Check	22,411	23,445	3 Rough Sitework 3,657,648
Civil Plan Check	35,692	37,339	4 Wet Utilities 1,993,984
ADA Plan Check	17,827	18,649	5 Street Improvements 1,285,712
Fire Marshal Plan Check	226,810	237,274	6 Asphalt Paving 894,690
Code Compliance Plan Check	206,250	215,766	7 Dry Utilities 300,800
Constructability Plan Check	0	0	Total 136,768,994
CMAR Pre-Construction Services	690,406	751,336	Total 136,768,994
PWD Project Mgmt & Inspection	537,687	537,687	
3rd Party Commissioning	0	0	
FF&E Design Fee	683,845	744,196	
HCQC Review	275,000	299,269	
Programming & Conceptual Design	690,000	750,894	
Subtotal	14,081,197	15,247,224	
Construction Costs			
Construction	0	0	
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	260,000	282,946	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	260,000	282,946	
Miscellaneous			
Advertising	5,136	5,589	
Printing	1,771	1,927	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	6,907	7,516	
Total Project Cost	14,348,104	15,537,686	

Project No: P04 Title: Advance Planning: North Las Vegas State Veterans Home

Agency: Southern Nevada State Veterans Home

Location: North Las Vegas

Detail Description:

This project will provide advance planning through construction documents for a 128 bed, 120,000 square foot skilled nursing facility on the Veterans Affairs (VA) campus in North Las Vegas, on land to be donated to the State by the VA Sierra Nevada Health Care System (upon transfer this would be sole state owned property). Using the "small house" model, the campus seeks to create a residential atmosphere. The project will include facilities for administration offices, receiving & storage, nursing offices and other support services.

It is anticipated that approximately a \$232,000,000 construction project will be requested in the 2025 Capital Improvement Program as a result of this project.

Funding Description:

Funding will consist of a 65% Federal and 35% State of Nevada split cost sharing from the Veterans State Home Construction Funding grant, with potential supplemental funding from the Veterans Affairs Healthcare Services grant. Project management and inspection is funded separately by the state. Grant reimbursement will occur after the design is complete.

Project Justification:

Based on data from the Veterans Integrated Services Network (VISN), the North Las Vegas VA Medical Center does not currently have any Community Living Center (CLC) beds. Recent VA analysis indicates a need for 649 beds in skilled-care nursing facilities in Nevada. There are 276 beds in operation, leaving an un-met need of 373 beds. This facility will add 128 beds to the total operational amount of beds.

Background Information:

The Veterans Affairs Southern Nevada Healthcare System campus opened in 2012 and is located at 9600 N. Pecos, in North Las Vegas.

Project No: P06 **Title:** Advance Planning: Southern Nevada Forensic Facility (Health and Human Services)

Description: Design through construction documents for a 196,000 square-foot forensic facility on the Health and Human Services campus in Las Vegas.

Funding Summary

Department: DHHS **Division:** PBH
Agency: SNAMHS **Project Mgr:** JSP

State: 18,192,080
Agency: 0
Federal: 0
Other: 0
Total: 18,192,080

Project Group: Labs, Medical or Museums **Building Area:** 196,000 gsf
Project Type: New **Months To Construction:** 15
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 8.83%

	2022	2023	Remarks
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	2022	2023	Remarks
Professional Services			
A/E Design & Supervision	13,210,852	14,376,745	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	30,000	31,384	
Soils Analysis	45,000	47,076	
Materials Testing Services	0	0	
Structural Plan Check	43,151	45,142	
Mechanical Plan Check	38,641	40,424	
Electrical Plan Check	25,583	26,764	
Civil Plan Check	42,301	44,253	
ADA Plan Check	20,470	21,415	
Fire Marshal Plan Check	270,427	282,904	
Code Compliance Plan Check	240,615	251,716	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	244,805	266,410	
PWD Project Mgmt & Inspection	341,155	341,155	
3rd Party Commissioning	0	0	
FF&E Design Fee	816,018	888,034	
Programming & Conceptual Design	897,620	976,837	
Subtotal	16,266,638	17,640,259	

	2022	2023	Remarks
Construction Costs			
Construction	0	0	Construction Cost Detail: 1 Building (196,000 sf@ \$786/sf) 154,056,000 2 Site Improvements (10 ac@ \$21/sf) 9,147,600 <hr/> Total 163,203,600 <hr/> Total 163,203,600
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	500,000	544,126	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	500,000	544,126	

	2022	2023	Remarks
Miscellaneous			
Advertising	5,258	5,722	
Printing	1,813	1,973	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	7,071	7,695	
Total Project Cost	16,773,709	18,192,080	

Project No: P06 **Title:** Advance Planning: Southern Nevada Forensic Facility (Health and Human Services)

Agency: Southern Nevada Adult Mental Health Services

Location: Las Vegas

Detail Description:

This project will provide advance planning through construction documents for a facility to serve individuals awaiting adjudication and needing treatment to competency. This facility will accommodate approximately 282 beds to meet the anticipated need for the next fifteen years. The design will allow for phased construction to accommodate gradual population growth. The facility will be located at the Health and Human Services campus on West Charleston in Las Vegas.

Project Justification:

Currently, Lakes Crossing Center, Stein Hospital, and a portion of the Rawson-Neal Psychiatric Hospital serve the state with services to meet the national standards set by the Health Care Quality and Compliance Bureau. The average length of stay for clients is approximately 105 days, but AB193 and SB380 (passed during the 73rd legislative session) mandate that long-term incompetent clients can be committed to the agency for over ten years. As more long-term clients are committed, fewer beds can be turned over to accommodate the short-term pre-trial commitments, resulting in a shortage of available beds. Client numbers at Lakes Crossing Center over the last decade have periodically exceeded the client number that the facility can accommodate.

Background Information:

This project has been previously requested in 2017, 2019, and 2021. The Health and Human Services campus is located south of West Charleston Boulevard between South Jones Boulevard and Community College Drive. The site consists of Southern Nevada Adult Mental Health Services, Southern Nevada Child and Adolescent Services, Desert Regional Center and the Rawson-Neal Hospital.

Project No: P07 **Title:** Advance Planning: Seismic Retrofit and Remodel (Old State Armory Building)

Description: Design through construction documents for a seismic retrofit and remodel of the Old State Armory building.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** ALB

State: 1,367,520
Agency: 0
Federal: 0
Other: 0
Total: 1,367,520

Project Group: Labs, Medical or Museums

Building Area: 7,800 gsf

Project Type: Remodel

Months To Construction: 15

Project Site: Local

Const. Annual Inflation Rate: 8.50%

Location: Carson City

Total Inflation: 10.74%

	2022	2023	Remarks	
Professional Services				
A/E Design & Supervision	917,301	1,015,778	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Seismic Retrofit & Remodel (7,800 sf@ \$1,000/sf) 7,800,000 2 Site Development (0.75 ac@ \$21/sf) 686,070 3 Paint Shop Demolition (5,000 sf@ \$15/sf) 75,000 4 Garage Demolition (2,400 sf@ \$15/sf) 36,000 5 Garage Addition Demolition (2,200 sf@ \$15/sf) 33,000 <hr/> Total 8,630,070 Total 8,630,070	
Surveys	0	0		
Soils Analysis	5,000	5,279		
Materials Testing Services	0	0		
Structural Plan Check	4,508	4,759		
Mechanical Plan Check	7,158	7,558		
Electrical Plan Check	6,294	6,646		
Civil Plan Check	3,726	3,934		
ADA Plan Check	4,145	4,376		
Fire Marshal Plan Check	15,381	16,240		
Code Compliance Plan Check	20,436	21,578		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	125,818	125,818		
3rd Party Commissioning	0	0		
FF&E Design Fee	43,150	47,782		
Programming & Conceptual Design	23,400	25,912		
Historic Evaluation	20,000	22,147		
Subtotal	1,196,317	1,307,807		
Construction Costs				
Construction	0	0		
Construction Contingency	0	0		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	50,000	55,368		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	50,000	55,368		
Miscellaneous				
Advertising	2,918	3,231		
Printing	1,006	1,114		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	3,924	4,345		
Total Project Cost	1,250,241	1,367,520		

Project No: P07**Title:** Advance Planning: Seismic Retrofit and Remodel (Old State Armory Building)**Agency:** Buildings & Grounds**Location:** Carson City

Detail Description:

This project will provide advance planning through construction documents for seismic retrofit and remodel of the Old State Armory Building. This project includes structural seismic reinforcement and building rehabilitation utilizing energy efficient design solutions to provide office space for State agencies. This project is located at the current Buildings and Grounds Office, originally constructed as the State Armory. While it is a historic building, it is not on the national or state list of historic buildings. A structural feasibility study has been completed.

It is anticipated that approximately a \$16,000,000 construction project will be requested in the 2025 Capital Improvement Program as a result of this project.

Project Justification:

This project provides valuable office space within the Capitol Complex and upgrades for current seismic code compliance to better protect the building occupants and the building itself in the case of an earthquake. The renovation of a historic building with energy efficient methodologies, technologies, and materials would reflect the goals of the State to promote energy conservation and the rehabilitation of the State's historic buildings.

Background Information:

The seismic retrofit portion of this project was previously proposed in the 2011 CIP. The building was built in 1900 and is 9,000 square feet, utilizing the available square footage on both floors. The Buildings & Grounds section moved out of the facility in 2011 as part of the Governor's consolidation effort. Because this is an historic building, this project requires SHPO review and compliance. Any required FF&E will be deferred to the 2025 CIP. The 2021 Facility Conditions Analysis noted the need for the following Building and Grounds Office (FCA Building No. 0391) projects: Seismic Retrofit Roof Structure (Project Index No. 0391SFT9), Seismic Retrofit Walls (Project Index No. 0391SFT3), Exterior Finishes (Project Index No. 0391EXT3), Window Replacement (Project Index No. 0391EXT4), Replace HVAC Equipment (Project Index No. 0391HVA1) and Interior Finishes (Project Index No. 0391INT1) projects.

Project No: P08 **Title:** Advance Planning: Underground Piping Replacement (High Desert State Prison)

Description: Design through construction documents to replace underground heating and chilled water piping at High Desert State Prison.

Funding Summary	
State:	2,452,028
Agency:	0
Federal:	0
Other:	0
Total:	2,452,028

Department: NDOC **Division:** Correctional
Agency: HDSP **Project Mgr:** GCE

Project Group: Armory, Military or Prisons	Building Area: 0 gsf
Project Type: Rehab	Months To Construction: 15
Project Site: Remote	Const. Annual Inflation Rate: 7.00%
Location: Indian Springs	Total Inflation: 8.83%

	2022	2023	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	2,047,860	2,228,590	
Surveys	10,000	10,461	
Soils Analysis	10,000	10,461	
Materials Testing Services	0	0	1 Heating Piping Modifications 7,200,000
Structural Plan Check	7,405	7,746	2 Trench & Backfill 4,200,000
Mechanical Plan Check	10,044	10,507	3 Chilled Piping Modifications 1,600,000
Electrical Plan Check	8,033	8,403	4 Hardscape & Landscape Demolition 975,480
Civil Plan Check	6,555	6,857	5 Hardscape & Landscape Replacement 755,600
ADA Plan Check	0	0	6 Water Piping Building Connections 632,300
Fire Marshal Plan Check	0	0	7 Seismic Bracing & Firestopping 575,980
Code Compliance Plan Check	0	0	8 Testing, Balancing & Commissioning 448,900
Constructability Plan Check	0	0	9 Demolition of Piping 255,800
CMAR Pre-Construction Services	0	0	10 Temporary Fencing 120,000
PWD Project Mgmt & Inspection	163,730	163,730	11 Temperature Control Modifications 85,400
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	2,263,627	2,446,755	Total 16,849,460
Construction Costs			
Allowances:			
Construction	0	0	1 Remote Site (10%) 1,684,946
Construction Contingency	0	0	2 Secure Facility Allowance (10%) 1,684,946
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	0	0	Total 3,369,892
Miscellaneous			
Advertising	3,603	3,921	
Printing	1,242	1,352	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	4,845	5,273	Total 20,219,352
Total Project Cost	2,268,472	2,452,028	

Project No: P08 **Title:** Advance Planning: Underground Piping Replacement (High Desert State Prison)

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

This project will provide advance planning through construction documents to replace underground chilled and heating water piping. This piping serves 23 buildings at High Desert State Prison.

It is anticipated that approximately a \$33,000,000 construction project will be requested in the 2025 Capital Improvement Program as a result of this project.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The underground heating loop has had many leaks that have been repaired. They currently have leaks in the heating water piping that loses up to 5,000 gallons per day. The chemicals required to treat this water can no longer keep up with the leakage rate. This system is supposed to be a closed loop system, which should have little or no leaks. This piping is 22 years old and is beyond its useful life.

Background Information:

The High Desert State Prison is located 40 miles north of Las Vegas on the west side of Highway 95. It is the largest correctional facility within the Department of Corrections. The complex buildings total approximately 900,000 square-feet of space. The institution opened September 1, 2000 and is the reception unit for Southern Nevada.

Project No: P09 **Title:** Advance Planning: Old Gym Building Seismic Stabilization and Rehabilitation (Stewart Facility)

Description: Design through construction documents for a seismic stabilization and rehabilitation of the Old Gym (Building #20) at the Stewart Facility.

Funding Summary	
State:	2,026,160
Agency:	0
Federal:	0
Other:	0
Total:	2,026,160

Department: T&CultAffr **Division:** Indian Commission
Agency: Indian Commission **Project Mgr:** MNB

Project Group: Labs, Medical or Museums	Building Area: 12,000 gsf
Project Type: Rehab	Months To Construction: 15
Project Site: Local	Const. Annual Inflation Rate: 8.50%
Location: Stewart	Total Inflation: 10.74%

	2022	2023	Remarks	
Professional Services				
A/E Design & Supervision	1,309,691	1,450,295	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	15,000	15,838		
Soils Analysis	10,000	10,559		
Materials Testing Services	0	0		
Structural Plan Check	5,774	6,096		
Mechanical Plan Check	8,424	8,894		
Electrical Plan Check	7,054	7,448		
Civil Plan Check	4,924	5,199		
ADA Plan Check	4,793	5,061		
Fire Marshal Plan Check	23,736	25,063		
Code Compliance Plan Check	30,469	32,172		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	157,308	157,308		
3rd Party Commissioning	0	0		
FF&E Design Fee	68,470	75,821		
Historic Evaluation	50,000	55,368		
Subtotal	1,695,643	1,855,122		
Construction Costs				
Construction	0	0		
Construction Contingency	0	0		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	150,000	166,103		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	150,000	166,103		
Miscellaneous				
Advertising	3,314	3,670		
Printing	1,143	1,265		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	4,457	4,935		
Total Project Cost	1,850,100	2,026,160		

Project No: P09 **Title:** Advance Planning: Old Gym Building Seismic Stabilization and Rehabilitation (Stewart Facility)

Agency: Indian Commission

Location: Stewart

Detail Description:

This project will provide advance planning through construction documents for the seismic stabilization and rehabilitation of the Old Gym (Building #20) at the Stewart Facility.

It is anticipated that approximately a \$25,000,000 construction project will be requested in the 2025 Capital Improvement Program as a result of this project.

Project Justification:

The Stewart Indian School Master Plan designates Building #20 as a flexible meeting space for conferences, community events and gatherings. This use would provide a potential revenue stream for the sustainability of the Stewart Indian School Living Legacy initiative underway at the Stewart Indian School. The Old Gym is the heart of the campus and has been identified by the Stewart Master Plan Team as an integral part of telling the story of the Stewart Indian School athletic program.

Background Information:

The Old Gym was built in 1938. The Stewart Indian School campus is 110 acres and comprised of over 65 buildings. The school was the only off-reservation Indian boarding school in the State of Nevada and has been recognized by the state as a significant part of the state's history. The Stewart Indian School campus is listed in the National Register of Historic Places and is under consideration as a National Historic Landmark. The State has been committed to the preservation of the school and committed funds in the 2017 CIP to rehabilitate two additional buildings for the establishment of Cultural and Welcome Centers and for the roof replacement and seismic stabilization on the Old Gym. This project is a continuation of SPWD project number 17-C09. 17-C09 provided for a new roof and seismic stabilization of the roof on the Old Gym. Project number 17-S04-3 provided a conceptual level report. This project will address the seismic deficiencies in the remainder of the building. This project was requested in the 2019 CIP and 2021 CIP.

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Maintenance

High Priority for 2023

Project No: M01 **Title:** Deferred Maintenance (HECC/SHECC)

Description: This project will provide for HECC/SHECC-funded deferred maintenance needs including ADA and life safety.

Funding Summary	
State:	15,000,000
Agency:	0
Federal:	0
Other:	0
Total:	15,000,000

Department: NSHE **Division:** NSHE
Agency: NSHE **Project Mgr:** BJW

Project Group: Classrooms	Building Area: 0 gsf
Project Type: Rehab	Months To Construction: 0
Project Site: Local	Const. Annual Inflation Rate: 8.50%
Location: Var. Locations	Total Inflation: 0.00%

	2022	2022	Remarks	
Professional Services				
A/E Design & Supervision	0	0	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0	Construction Cost Detail:	
Materials Testing Services	0	0		1 UNR 5,525,834
Structural Plan Check	0	0		2 UNLV 4,747,466
Mechanical Plan Check	0	0		3 CSN 2,025,248
Electrical Plan Check	0	0		4 TMCC 809,538
Civil Plan Check	0	0		5 WNC 416,555
ADA Plan Check	0	0		6 DRI 381,856
Fire Marshal Plan Check	0	0		7 GBC 357,993
Code Compliance Plan Check	0	0		8 NSC 276,557
Constructability Plan Check	0	0		9 Contingency Pool 200,000
CMAR Pre-Construction Services	0	0	10 System Administration 100,000	
PWD Project Mgmt & Inspection	158,953	158,953		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	158,953	158,953	Total 14,841,047	
Construction Costs				
Construction	14,841,047	14,841,047	Total 14,841,047	
Construction Contingency	0	0		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	14,841,047	14,841,047		
Miscellaneous				
Advertising	0	0		
Printing	0	0		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	0	0		
Total Project Cost	15,000,000	15,000,000		

Project No: M01 **Title:** Deferred Maintenance (HECC/SHECC)

Agency: Nevada System of Higher Education

Location: Var. Locations

Detail Description:

This project will provide ongoing system-wide repairs and improvements of Nevada System of Higher Education (NSHE) facilities in accordance with NRS 463.385 which are undertaken to reduce the backlog of deferred maintenance. Historically, the projects are funded at a system-wide level of \$15 million for each biennial budget cycle. The Higher Education Capital Construction (HECC) and Special Higher Education Capital Construction (SHECC) funds are used to finance these projects.

Project Justification:

This funding is necessary to mitigate the backlog of deferred maintenance.

Background Information:

Beyond the \$15 million in deferred maintenance projects identified for the upcoming biennium NSHE has identified additional \$91.7 million in immediate needs.

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)
Description: This project will address Department of Health and Human Services (DHHS) deferred maintenance at locations statewide.
Department: DHHS **Division:** DHHS
Agency: DHHS **Project Mgr:** BJW

Funding Summary	
State:	37,818,389
Agency:	0
Federal:	0
Other:	0
Total:	37,818,389

Project Group: Offices or Dorms **Building Area:** 1,300,002 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	2,687,683	3,082,291	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	15,000	16,200	
Soils Analysis	20,000	21,400	
Materials Testing Services	91,256	105,047	
Structural Plan Check	11,259	12,077	
Mechanical Plan Check	33,284	35,643	
Electrical Plan Check	46,244	49,496	
Civil Plan Check	7,299	7,838	
ADA Plan Check	21,569	23,127	
Fire Marshal Plan Check	15,333	16,406	
Code Compliance Plan Check	49,599	53,131	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	1,722,448	1,722,448	
3rd Party Commissioning	75,920	86,921	
FF&E Design Fee	0	0	
HCQC Review	148,699	170,245	
Architectural Evaluation	7,500	8,587	
Structural Evaluation	30,000	34,347	
Subtotal	4,983,093	5,445,204	
Construction Costs			
Construction	25,466,614	29,199,876	
Construction Contingency	2,546,661	2,919,987	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	20,840	23,860	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	10,000	11,449	
Hazardous Material Abatement	158,000	181,219	
Subtotal	28,202,115	32,336,391	
Miscellaneous			
Advertising	23,825	27,359	
Printing	8,216	9,435	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	32,041	36,794	
Total Project Cost	33,217,249	37,818,389	

2022 Project Cost Detail

Priority 1

1 HVAC Replacement (DWTC) (21146)	2,436,896
2 Anti-Ligature Rehabilitation (RNPH) (7442)	6,979,378
3 Rooftop Unit Replacement (NNCAS) (19199)	881,242
4 Anti-Ligature Rehabilitation (Stein) (7438)	6,420,047
5 Secured Area Door Replacement (Lakes) (23195)	4,028,448
6 Emergency Generator Replacement (SVYC) (23197)	1,534,390
7 Elevator Replacement (Stein) (23199)	1,707,670
8 Install Security Cameras (SNCAS) (21153)	1,443,909
9 Security Fencing (DRC) (21126)	1,333,296
10 Exhaust Fan Replacement (NYTC) (23211)	299,172
11 HVAC and Hot Water Renovation (Lakes) (23226)	1,252,308
12 Gymnasium Floor Replacement (NYTC) (7508)	1,509,929
13 Shower Room Renovation (Lakes) (23198)	949,735
14 Upgrade Cameras and Access (SNAMHS) (23209)	2,440,829
Total Cost	33,217,249

Priority 2

15 Flooring Replacement (NYTC) (7515)	1,000,462
16 Patio Wall Caps (DWTC) (19194)	345,611
17 Perimeter Security Fence (SNCAS) (7123)	469,152
18 Ceiling Replacement (NYTC) (23206)	1,693,276
19 Youth Dorms Kitchen Replacement (NYTC) (23207)	920,306
20 Electrical and Communications (SNAMHS) (7350)	4,588,326
21 Building 22 Electrical Upgrade (NNAMHS) (7352)	823,813
22 Building 26 Kitchen Flooring (NNAMHS) (19191)	603,941
23 Interior Lighting Upgrade (Lakes) (7652)	742,079
24 Exterior Insulation and Windows (CYC) (19248)	2,378,759
Total Cost	13,565,725

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

Detail Description:

This project will address Department of Health and Human Services (DHHS) deferred maintenance needs. Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

The following are Priority 1 projects:

1. HVAC Replacement (Desert Willow Treatment Center) (21146). This project will design and construct replacement of six air handling units at the Desert Willow Treatment Center. Four air handling units are on the roof and two air handling units are on a mezzanine serving the gymnasium. The ninety-one fan coils are located above the ceiling grid throughout the facilities.
2. Anti-Ligature Rehabilitation (Rawson-Neal Psychiatric Hospital) (7442). This project will design and construct a rehabilitation of client restrooms at Rawson-Neal Psychiatric Hospital with anti-ligature lighting, anti-ligature restroom fixtures, and rehabilitate interior finishes and showers. This project will also replace the furniture and flooring in the client bedrooms. This project will also replace the flooring at the gymnasium and allied therapy rooms.
3. Adolescent Treatment Center Rooftop Multi-Zone Unit Replacement (Northern Nevada Child and Adolescent Services) (19199). This project will design and construct replacement of the multizone air handling unit serving the Adolescent Treatment Center in Sparks. This project will also remove window-mounted evaporative coolers. The temperature control system, piping, and ductwork associated with the multizone air handling unit will also be replaced as part of this project.
4. Anti-Ligature Rehabilitation (Stein Hospital) (7438). This project will design and construct a rehabilitation of client restrooms with anti-ligature lighting, anti-ligature restroom fixtures, and rehabilitate interior finishes and showers and replace the furniture in the client bedrooms. This project will also replace doors and repair exterior finishes around the building at grade level.
5. Secured Area Door Replacement (Lakes Crossing Center) (23195). This project will design and construct detention grade doors to replace security access controlled, solitary, and client room doors/ hardware/ hinges. Secondary secured area doors will be replaced including anti-ligature hardware/ hinges.
6. Replace Emergency Generator (Summit View Youth Center) (23197). This project will design and construct replacement of the existing generator and transfer switch at Summit View Youth Center.
7. Elevator Replacement (Stein Hospital) (23199). This project will design and construct the rehabilitation of the passenger and freight elevators at the Stein Hospital.
8. Install Security Cameras (Southern Nevada Child and Adolescent Services) (21153). This project will design and construct a surveillance system at Buildings 7 through 14, and 16, including fixed cameras and digital storage to retain images for future use at Southern Nevada Child and Adolescent Services.
9. Security Fencing (Desert Regional Center) (21126). The project will design and construct perimeter security fencing at the Desert Regional Center (DRC) campus. The security fencing will include access controlled pedestrian gates and electrically operated vehicle gates for regular vehicle and fire apparatus access.
10. Exhaust Fan Replacement (Nevada Youth Training Center) (23211). This project will design and construct replacement of exhaust fans in the dormitories and classrooms at the Nevada Youth Training Center.
11. HVAC and Domestic Hot Water Systems Renovation (Lake's Crossing Center) (23226). This project will design and construct the replacement of rooftop units, exhaust fans, water heaters, domestic water tempering station, and associated temperature controls at Lake's Crossing Center in Sparks.
12. Gymnasium Floor Replacement (Nevada Youth Training Center) (7508). This project will design and construct removal and replacement of the existing athletic flooring. The project scope includes installation of a traditional wood flooring, bleacher replacement, basketball backstop replacement, and construction of an accessible concrete sidewalk from the gymnasium to the nearby athletic field.
13. Shower Room Renovation (Lake's Crossing Center) (23198). This project will design and construct the renovation

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

of 5 shower stalls in the Lake's Crossing Center housing units.

14. Upgrade Surveillance Cameras and Access Controls (Southern Nevada Adult Mental Health Services) (23209). This project will upgrade the surveillance cameras and access controls on Southern Nevada Adult Mental Health Services campus.

The following are Priority 2 Projects:

15. Classroom/ Infirmary Building Flooring Replacement (Nevada Youth Training Center) (7515). This project will design and construct replacement of the flooring in the Classroom/ Infirmary building. This project will include heavy duty vinyl tile, carpet and ceramic tile as well as cove base.

16. Patio Wall Caps (Desert Willow Treatment Center) (19194). This project will design and construct a rounded wall cap on top of the patio yard walls at Desert Willow Treatment Center at the Southern Nevada Child and Adolescent Services campus.

17. Perimeter Security Fence (Southern Nevada Child Adolescent Services) (7123). The project will design and construct a six foot tall ornamental steel fence enclosing the Oasis program, Buildings 11, 12, 13, and 14 on the Southern Nevada Child and Adolescent Services (SNCAS) campus. The project scope will include pedestrian gates, keypad access control, and updated campus signage on the fence.

18. Ceiling Replacement at Classroom and Infirmary Building (Nevada Youth Training Center) (23206). This project will design and construct a complete ceiling replacement in the Classroom and Infirmary building at the Nevada Youth Training Center (NYTC).

19. Youth Dorms Kitchen Replacement (Nevada Youth Training Center) (23207). This project will design and construct a complete kitchen replacement for each youth dormitory at the Nevada Youth Training Center. The project includes new counters, cabinets, and associated equipment.

20. Upgrade Electrical Distribution & Communications (Northern Nevada Adult Mental Health Services) (7350). This project will design and construct replacement of the medium voltage campus distribution system and will include transformers, electrical service entrances, switchgear, padmount switches, conduit, wire, and fiber optic cable infrastructure at the Northern Nevada Mental Health Services campus. The project will also relocate electrical equipment located in buildings that are slated for demolition. This project is a continuation of project 15-M17 and will complete the replacement of the state owned electrical distribution system.

21. Building 22 Electrical Upgrade (Northern Nevada Adult Mental Health Services) (7352). This project will design and construct replacement of the main service entrance, conductors, conduit, panelboards, switches, receptacles, lighting, mechanical equipment connections, fire alarm systems, and telephone/ data systems in Building 22 at the Northern Nevada Adult Mental Health Services campus.

22. Replace Building 26 Kitchen Flooring (Northern Nevada Adult Mental Health Services) (19191). This project will design and construct the removal of the existing kitchen flooring and replace it with an epoxy floor system.

23. Interior Lighting Upgrade (Lake's Crossing) (7652). This project will design and construct replacement of interior light fixtures and lamps with new detention rated LED fixtures and lighting controls at the Lake's Crossing Center.

24. Exterior Insulation System and Window Replacement (Caliente Youth Center) (19248). The project will design and construct an exterior insulation system for multiple buildings. The project also includes the removal and replacement of the existing single pane window system with new dual-pane and safety glazing in multiple buildings in the Caliente Youth Center. This project will also include an evaluation and cost analysis of window replacement alternatives for each building more than 50 years old at the start of construction.

Project Justification:

The Department of Health and Human Services (DHHS) Priority 1 deferred maintenance projects have been combined into a single maintenance project for the benefit of the State and DHHS. Combining these projects allows the ability to begin the listed Priority 2 projects if savings are identified from Priority 1 projects. This benefits the State and DHHS by allowing the Priority 2 projects to move forward in this biennium rather than waiting until the next biennium. Completing projects sooner decreases potential emergency repairs and improves utilization of state funds.

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

1. HVAC Replacement (Desert Willow Treatment Center) (21146). The facility was built in 1998 and all of the air handlers and fan coils are original to the building. These components are past their useful life. Failure of this equipment would result in not being able to heat or cool an inpatient residential treatment center.
2. Anti-Ligature Rehabilitation (Rawson-Neal Psychiatric Hospital) (7442). The Rawson-Neal Psychiatric Hospital houses both forensic and civil clients. The forensic psychiatric clients require a level of security appropriate to a detention facility and civil psychiatric clients require a physical environment free of hazards that could cause bodily harm.
3. Adolescent Treatment Center Rooftop Multi-Zone Unit Replacement (Northern Nevada Child and Adolescent Services) (19199). Due to equipment failure, the existing gas heating, and cooling multizone air handling unit was recently replaced with two temporary package rooftop units under an emergency repair and is insufficient as a permanent solution.
4. Anti-Ligature Rehabilitation (Stein Hospital) (7438). The Stein Hospital houses forensic civil clients who require a level of security appropriate to a detention facility. Clients in this facility can be placed on suicide watch at any time and thus is necessary that the client areas be improved with tamper resistant and anti-ligature fixtures and furniture to prevent personal injury.

If the project is not funded the facility will continue to have doors that are inappropriate for a forensics psychiatric hospital and will continue to risk patients leaving the care area without staff knowledge or permission, thus endangering persons and property in the facility.

5. Secured Area Door Replacement (Lakes Crossing Center) (23195). The existing doors in the secured area of Lakes Crossing Center have required continuous maintenance over the life of the building due to on going damage caused by clients. Existing doors have exceeded their useful life with separating seams, warped forms, and bent hardware assemblies to the point where a client could use force to break through. Secondary doors were not designed to be anti-ligature and therefore are a risk to the clients.

Not funding this project could result in clients ability to break through doors preventing the agency from maintaining the safety to all clients and staff.

6. Replace Emergency Generator (Summit View Youth Center) (23197). The current generator is not capable of adequately powering the buildings on this site during emergency power outages. During a power outage, the current generator will only power the emergency lighting in the facility. During long power outages, the kitchen is not operational which causes issues for staff and personnel. The replacement generator will be large enough to provide emergency power to the entire site. The existing generator is 22 years old and past its useful life.
7. Elevator Replacement (Stein Hospital) (23199). The elevators are original to the building and are beyond their useful service life. When these elevators malfunction, occupants are trapped inside the elevator cabs. Due to the age of the equipment, repairs have become increasingly common and it has become difficult to obtain replacement parts. If this project is not approved, repair costs will continue to increase and elevator closures will impact operations, affecting the transport of food and supplies.
8. Install Security Cameras (Southern Nevada Child and Adolescent Services) (21153). There have been building and vehicles that have broken into and vandalized. Camera footage will assist with criminal investigations. Camera footage will also assist with employee and client incidents (i.e. runaways, outdoor fights, etc).

9. Security Fencing (Desert Regional Center) (21126). DRC's Intermediate Care Facility (ICF) provides residential supports to persons with intellectual and developmental disabilities. Currently, the ICF doors are locked from the inside and most individuals require a staff member to open the exterior doors for them and escort them outside. This arrangement does not allow the individuals privacy. Several of the individuals also lack safety awareness and can easily wander off the ICF Campus on to the busy streets of Jones or Charleston, risking serious injury. There are other individuals who may run onto these roads to elope or purposely harm themselves when they are upset. Due to the location of the ICF the campus has experienced a lot of unauthorized foot traffic. Homeless people have attempted to set up camp on the ICF campus. In the last five years there have been two break-ins in two of the administrative buildings as well as a vehicle break-ins. Most recently, a service bike was stolen from a backyard. Having the ICF fencing project completed will improve the quality of life of the persons served. It will allow a majority of the persons to exit their home and walk their ICF community without staff nearby and will allow staff to monitor from a distance. The defined boundary will give the individuals served freedom and independence. The security fencing will also make their

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

environment safer by reducing unauthorized cross campus traffic, theft, and vandalism.

10. Exhaust Fan Replacement (Nevada Youth Training Center) (23211). The exhaust fans in the dormitories and classrooms over 30 years old and are nearing the end of their useful service life.

11. HVAC and Domestic Hot Water Systems Renovation (Lake's Crossing Center) (23226). The equipment is approximately 23 years old is past its service life. The existing temperature control system is obsolete and is becoming costly to service. The domestic hot water plant is inefficient by current standards and does not meet the needs of the facility. The rooftop units contain R-22 refrigerant which has not been available in the United States since January 1, 2020.

12. Gymnasium Floor Replacement (Nevada Youth Training Center) (7508). The current vinyl floor is deteriorating through high use and is showing signs of failure. The flooring needs to be replaced to eliminate tripping hazards and possible injury.

13. Shower Room Renovation (Lake's Crossing Center) (23198). The existing shower stalls are showing signs of failure. Plumbing leaks within the shower walls cause ceramic tile to loosen posing safety issues to clients. Mold could develop and potentially cause a health risks. Three remaining shower stalls were remodeled in 2016.

14. Upgrade Surveillance Cameras and Access Controls (Southern Nevada Adult Mental Health Services) (23209). Existing access controls and cameras are multiple types and do not interact, a new single interactive system installed in all SNAMHS facilities to improve security and access reliability to the campus.

The following are Priority 2 Projects:

15. Classroom/ Infirmary Building Flooring Replacement (Nevada Youth Training Center) (7515). Due to the age and heavy foot traffic, the materials are worn out. The public, wards and staff which utilize this building are at risk of tripping on a broken tile or torn piece of carpet. The floor tiles, carpet, etc. have reached the end of their useful life. The materials are at the point of not being able to be maintained.

16. Patio Wall Caps (Desert Willow Treatment Center) (19194). At ten feet high, the patio walls can be breached by the residents. The new rounded wall caps will discourage elopement by hindering the residents' ability to obtain a firm grip at the top of the walls.

17. Perimeter Security Fence (Southern Nevada Child Adolescent Services) (7123). SNCAS is a children's facility that provides a wide range of mental health services. The facility is adjacent to Charleston Boulevard and the Southern Nevada Adult Mental Health Services (SNAMHS) facility that provides adult inpatient and outpatient services. There have been several incidents where youth have run into traffic on Charleston Boulevard, clients of the SNAMHS facility, or other adults wandering the SNCAS campus. This fence is vital for the safety and protection of SNCAS clients. It provides a layer of separation from unauthorized people, clients, or patients who could otherwise freely walk through the SNCAS campus. The fence will also improve staff safety, eliminating the need to approach outsiders loitering near clients or chasing runaways into traffic.

18. Ceiling Replacement at Classroom and Infirmary Building (Nevada Youth Training Center) (23206). The acoustical and hard lid ceiling throughout the building have exceeded their useful life. If this project is not funded the ceilings will continue to need constant maintenance, failing acoustical tiles will continue to fall and cause a risk of injury to tenants and damage state assets in the building.

19. Youth Dorms Kitchen Replacement (Nevada Youth Training Center) (23207). The current kitchens were constructed over 30 years ago and were not designed to receive the high use that occurs in each dormitory. Continued deterioration of the countertops and cabinets has resulted in the surfaces not being able to be adequately sanitized. If this project is not funded, the youth housing dormitories will be without operational kitchens that can support modern equipment for the tenants.

20. Upgrade Electrical Distribution & Communications (Northern Nevada Adult Mental Health Services) (7350). This site electrical distribution system includes direct buried 4,160 volt cable, transformers, and electrical panels that are approximately 30 years old and have reached the end of their useful life. The fiber optic cable is approximately 20 years old and is no longer suitable for use.

21. Building 22 Electrical Upgrade (Northern Nevada Adult Mental Health Services) (7352). The existing electrical equipment is 60 years old and has reached the end of its useful life. The project will increase the building electrical distribution system capacity and reliability to meet increased equipment power requirements. The project will also

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

provide compliance with current adopted life safety and building code requirements.

22. Replace Building 26 Kitchen Flooring (Northern Nevada Adult Mental Health Services) (19191). Due to the heavy foot traffic and normal wear and tear the existing epoxy flooring has deteriorated to the point that it is a potential safety hazard for staff. The existing flooring no longer provides the code required slip resistance and cannot be cleaned to achieve required commercial kitchen standards.

23. Interior Lighting Upgrade (Lake's Crossing) (7652). The lighting fixtures are approximately 40 years old and are at the end of their useful life. This project will reduce energy costs, improve security, safety, and reduce maintenance costs. This project will improve energy efficiency at the facility.

24. Exterior Insulation System and Window Replacement (Caliente Youth Center) (19248). The exterior insulation and window system will add comfort to the staff as well as the youth housed there. The installation of the dual-pane safety glazed windows in the residential units will provide increased security and safety for the youth and staff. Over the years the windows have been damaged and/ or broken and replaced with plexi-glass. The plexi-glass is prone to damage and deterioration and is not energy efficient. A few of the current windows are cracked and/ or damaged which creates a potential safety issue due to the population served. New energy efficient windows will also help maintain comfortable temperatures in all buildings and will decrease the utility cost.

Background Information:

1. HVAC Replacement (Desert Willow Treatment Center) (21146). The #17 Desert Willow Treatment Center is 58,400 square-feet and was constructed in 1998.

2. Anti-Ligature Rehabilitation (Rawson-Neal Psychiatric Hospital) (7442). The Rawson-Neal Psychiatric Hospital was constructed in 2006.

3. Adolescent Treatment Center Rooftop Multi-Zone Unit Replacement (Northern Nevada Child and Adolescent Services) (19199). The Group Home -Building 8a is 5,237 square-feet and was constructed in 1977.

4. Anti-Ligature Rehabilitation (Stein Hospital) (7438). Stein Hospital (Building 3) was originally constructed in 1988 psychiatric medical housing unit. Stein Hospital was unoccupied between 2009 and 2016 when the building was remodeled to a forensic psychiatric hospital (CIP project 13-C08), however, that remodel did not include door replacement in the project scope. This project was previously requested in 2017, 2019, and 2021. The partial construction documents for the door replacement and the exterior repairs were completed by the agency in 2022, under Project 22-A010.

5. Secured Area Door Replacement (Lakes Crossing Center) (23195). The Lakes Crossing Center facility is 35,804 square-feet and was constructed in 1974.

6. Replace Emergency Generator (Summit View Youth Center) (23197). The facility was constructed in 2000 and sits on 13 acres.

7. Elevator Replacement (Stein Hospital) (23199). Stein Hospital (Building 3) was originally constructed in 1988 as a psychiatric medical housing unit. Stein Hospital was unoccupied between 2009 and 2016 when the building was remodeled to a forensic psychiatric hospital (CIP project 13-C08), however, that remodel did not include elevator rehabilitation in the project scope. Design Development drawings were completed by the agency in 2022, under Project 22-A013.

8. Install Security Cameras (Southern Nevada Child and Adolescent Services) (21153). The site occupies 8 acres and was constructed in 1974.

9. Security Fencing (Desert Regional Center) (21126). The DRC was built in 1976. The security fence was requested in 2019 and 2021. The schematic design for this project was completed by the agency in 2021, under Project 21-A021

10. Exhaust Fan Replacement (Nevada Youth Training Center) (23211). The Classroom Building was built in 1972 and is 20,590 square-feet. The Adventurer Cottage was built in 1966 and is 3,990 square-feet. The Frontier Cottage was built in 1966 and is 3,990 square-feet. The Forester Cottage was built in 1964 and is 3,847 square-feet. The Mountaineer Cottage was built in 1964 and is 3,847 square-feet. The Explorer R & C Cottage was built in 1964 and is 3,847 square-feet. The Pioneer Cottage was built in 1964 and is 3,847 square-feet.

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

11. HVAC and Domestic Hot Water Systems Renovation (Lake's Crossing Center) (23226). The Lakes Crossing Center is located on the Northern Nevada Adult Mental Health Campus in Sparks, Nevada and was constructed in 1974. The building has 35,804 square-feet of occupied area. It has approximately 35 paved parking spaces assigned to the facility with one designated ADA accessible parking space. There is a secure perimeter fence with cameras mounted on light poles around the building as well as a paved access road. The site is served by city water and sewer and has natural gas and electric provided by the local utility provider. There is some irrigated turf, shrubs and a few trees on the site and it is well maintained.

12. Gymnasium Floor Replacement (Nevada Youth Training Center) (7508). The Nevada Youth Training Center is located on the east side of Elko Nevada. The site dates to the early 1900s and serves as a school and facility for juvenile offenders. The Gymnasium was built in 1976 and is a brick masonry and steel framed structure. It contains a large gym area, restrooms, lockers, storage rooms and a mechanical room.

13. Shower Room Renovation (Lake's Crossing Center) (23198). The Lakes Crossing Center is 35,804 square-feet and was constructed in 1974.

14. Upgrade Surveillance Cameras and Access Controls (Southern Nevada Adult Mental Health Services) (23209). The site occupies 17 acres and was constructed in 1966.

The following are Priority 2 Projects:

15. Classroom/ Infirmary Building Flooring Replacement (Nevada Youth Training Center) (7515). The Classroom /Infirmary Building was originally constructed in 1972. The ceramic tile and VCT tile flooring is original.

16. Patio Wall Caps (Desert Willow Treatment Center) (19194). This facility was constructed in 1998 with 5 patient units. This project was previously requested in 2019 and 2021.

17. Perimeter Security Fence (Southern Nevada Child Adolescent Services) (7123). The SNCAS campus is a portion of a larger state campus that also houses SNAMHS, Desert Regional Center and Desert Willow Treatment Center. SNCAS facilities include Buildings 7 through 17 that were constructed between 1974 and 1995. The Oasis program is housed within Buildings 11, 12, 13, and 14. The perimeter fence was requested in 2017, 2019, and 2021.

18. Ceiling Replacement at Classroom and Infirmary Building (Nevada Youth Training Center) (23206). The Classroom & Infirmary building is 20,590 square-feet and was constructed in 1972.

19. Youth Dorms Kitchen Replacement (Nevada Youth Training Center) (23207). The Forester and Pioneer Dorms were constructed in 1964. The Mountaineer, Indian and R&C Dorms were constructed in 1962. The Frontier and Adventure Dorms were constructed in 1966.

20. Upgrade Electrical Distribution & Communications (Northern Nevada Adult Mental Health Services) (7350). The NNAMHS campus is approximately 100 acre State owned property. The oldest building on the site is the administration building #1 constructed in 1920. The Administration - Building #1 is 27,374 square-feet and was constructed in 1920. The Canteen - Drop-In Center - Building #2 is 9,839 square-feet and was constructed in 1961. The Library/ Meeting Rooms - Building #2A is 5,589 square-feet and was constructed in 1977. The Medication Clinic - Building #5 is 5,483 square-feet and was constructed in 1967. The Group Home - Building #8A is 5,237 square-feet and was constructed in 1977. The Group Home - Building #8B is 5,237 square-feet and was constructed in 1977. The Group Home - Building #8C is 5,237 square-feet and was constructed in 1977. The Lab/ Pharmacy - Building #3 is 15,344 square-feet and was constructed in 1925. The Generator Building - Building #20 is 1,764 square-feet and was constructed in 1980. The Warehouse/ Purchasing - Building #21 is 9,642 square-feet and was constructed in 1971. The Maintenance/ Housekeeping - Building #22 is 7,214 square-feet and was constructed in 1959. The Dini-Townsend Hospital - Building #25 is 59,040 square-feet and was constructed in 2000.

21. Building 22 Electrical Upgrade (Northern Nevada Adult Mental Health Services) (7352). The Maintenance/ Housekeeping Building #22 is 7,214 square-feet and was constructed in 1959.

22. Replace Building 26 Kitchen Flooring (Northern Nevada Adult Mental Health Services) (19191). The Central Kitchen - Building #26 is 4,626 square feet and was constructed in 2007.

23. Interior Lighting Upgrade (Lake's Crossing) (7652). The Lakes Crossing Center - Building #13 is 35,804 square-feet and was constructed in 1974.

Project No: M02 **Title:** Deferred Maintenance (Department of Health and Human Services)

Agency: Health and Human Services

Location: Statewide

24. Exterior Insulation System and Window Replacement (Caliente Youth Center) (19248). The Caliente Youth Center is a Youth Correctional Facility and the buildings are used as follows: Buildings A, B, C, H, J, K & L are housing units for the youth; Building D is the administration building; the Old School is a classroom facility; the Infirmary is an outpatient facility.

Project No: M03 **Title:** Deferred Maintenance (Department of Administration)
Description: This project will address Department of Administration (DOA) deferred maintenance at locations statewide.
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BJW

Funding Summary	
State:	19,819,157
Agency:	0
Federal:	0
Other:	0
Total:	19,819,157

Project Group: Offices or Dorms **Building Area:** 7,204,051 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	1,203,465	1,414,309	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	37,500	40,688		
Soils Analysis	25,000	27,125		
Materials Testing Services	181,584	213,465		
Structural Plan Check	6,004	6,514		
Mechanical Plan Check	21,539	23,297		
Electrical Plan Check	33,166	35,953		
Civil Plan Check	4,710	5,110		
ADA Plan Check	2,352	2,552		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	4,474	4,854		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	1,050,109	1,050,109		
3rd Party Commissioning	99,057	115,781		
FF&E Design Fee	0	0		
Structural Evaluation	44,840	52,787		
Historic Evaluation	52,500	61,804		
Subtotal	2,766,300	3,054,348		
Construction Costs				
Construction	12,692,144	14,913,167		
Construction Contingency	1,269,216	1,491,317		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	72,800	85,702		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	3,000	3,532		
Hazardous Material Abatement	204,700	240,978		
Subtotal	14,241,860	16,734,696		
Miscellaneous				
Advertising	19,062	22,392		
Printing	6,574	7,721		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	25,636	30,113		
Total Project Cost	17,033,796	19,819,157		

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1 Computer Room Cooling System (EITS) (21269)	2,299,462
2 Uninterruptable Power Supply (EITS) (23004)	835,883
3 Emergency Generator (Supreme Court) (23301)	1,599,022
4 Renovate Pump Generator (MLWS) (23289)	480,839
5 Replace Emergency Generator (NSLA) (23299)	1,611,595
6 Concrete & Bench Replacement (Capitol) (23007)	1,100,892
7 Building 17 HVAC System (Stewart) (23010)	2,388,807
8 Building 107 HVAC System (Stewart) (21038)	817,237
9 Additional East Slope Catchments (MLWS) (19009)	1,214,913
10 Site Drainage (Attorney General) (7208)	1,027,832
11 Elevator Renovation (Blasdel) (23303)	715,156
12 HVAC Renovation (EIS) (23013)	1,157,113
13 Surveillance Systems (Capitol) (23306)	1,785,045
Total Cost	17,033,796

Priority 2

14 Elevator and Fire Alarm (Belrose) (19038)	2,338,549
15 Breezeway and Stairway (Capitol) (19056)	320,949
16 HVAC Renovation (Frankie Sue) (23012)	1,535,625
17 Air Handling Unit (Belrose) (23291)	2,332,883
18 Electric Vehicle Charging (SPWD, LV) (23307)	252,562
19 Building 12 HVAC System (Stewart) (23308)	1,378,160
Total Cost	8,158,728

Project No: M03 Title: Deferred Maintenance (Department of Administration)

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will address Department of Administration (DOA) deferred maintenance needs. Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

The following are Priority 1 projects:

1. Computer Room Cooling System Upgrade (EITS Data Center) (21269). This project will complete design and construct replacement of air conditioning equipment that serves the main server room, computer workshop, and communications equipment room at the State Computer Facility in Carson City.
2. Uninterruptable Power Supply System (EITS Data Center) (23004). This project will design and construct replacement of the single uninterruptable power supply (UPS) system with a dual UPS system at the EITS Data Center. This project will also replace existing electrical room lighting with energy efficient LED lighting.
3. Replace Emergency Generator (Supreme Court Building) (23301). This project will design and construct replacement of the existing emergency generator and automatic transfer switch (ATS) to provide backup power for the Supreme Court Building. Though the final equipment size and capacities would be determined during the formal design phase, for comparative purposes this proposal is based on a 1,000-kW diesel generator.
4. Renovate Pump Generator (Marlette Water System Pump Building) (23289). This project will design and construct a renovation of the existing 375 kW generator's crankshaft, camshaft, gaskets, batteries, harnesses, radiator, hoses, fasteners, and other associated wear items at the Marlette Water System (MLWS) Generator Building.
5. Replace Emergency Generator (Nevada State Library and Archives) (23299). This project will design and construct a replacement of the existing emergency generator and automatic transfer switch (ATS) at the Nevada State Library and Archives. The replacement generator system will provide emergency power for the entire facility. Though the final equipment size and capacities would be determined during the formal design phase, for comparative purposes this proposal is based on a 750-kW diesel generator.
6. Concrete and Bench Replacement (Capitol Building Site) (23007). This project will design and construct replacement of concrete walkways and benches at the State Capitol Building site.
7. Building 17 HVAC Systems Renovation (Stewart Facility) (23010). This project will design and construct replacement of boilers, chiller, pumps, fan coil units, piping, and associated temperature controls in Building 17.
8. Building 107 HVAC System Replacement (Stewart Facility) (21038). This project will design and construct replacement of the existing grade-mounted package rooftop units, outdoor ductwork, and associated temperature controls at Stewart Facility building 107. This project will also install new bollards to protect package units from damage.
9. Additional East Slope Catchments (Marlette Lake Water System) (19009). This project will design and construct three additional surface water catchment basins (Catchments No. 1, No. 2 and Tunnel Catchment) for the Marlette Lake Water System (MLWS). The project includes vegetation clearing, grading, installation of precast concrete structures, piping connections and reconstruction of the historic timber tunnel entrance to the Tunnel Portal.
10. Site Drainage Improvements (Attorney General's Office Complex) (7208). This project will design and construct site drainage improvements on the east side and west side of the Attorney General's Office and Heroes Memorial Building and Annex within the Attorney Generals Office Complex. The project scope includes abandonment of existing infiltration drains, installation of a storm drain system, removal and replacement of concrete sidewalk, and connection of building drains into storm drain piping.
11. Elevator Renovation (Blasdel Building) (23303). This project will provide additional funding necessary to complete the project 19-M47. This project will design and construct a renovation to the existing elevator including motors, controls, mechanical and electrical systems at the Blasdel Building.
12. HVAC Systems Renovation (Nevada Early Intervention Services) (23013). This project will design and construct the replacement of boilers, fan coil units, condensing units, and associated temperature controls at Early Intervention Services in Reno.

Project No: M03 **Title:** Deferred Maintenance (Department of Administration)

Agency: State Public Works Division

Location: Statewide

13. Upgrade Surveillance and Security Systems (Nevada State Capitol Complex and Governor's Mansion) (23306). This project will design and construct an augmentation to existing camera systems, viewing stations, digital storage systems, access controls, and intercom systems, in and around the Governor's Mansion, Capitol Complex, Library and Archives, Blasdel, Attorney General's, Frankie Sue Del Papa, and Supreme Court Buildings. This project will provide remote viewing of all cameras from each location, the Department of Public Safety Building, Emergency Response Center, and Carson City Sheriff's office.

The following are Priority 2 projects:

14. Elevator Replacement and Fire Alarm Replacement (Belrose Building) (19038). This project will design and construct an accessible elevator addition and remove the existing elevators at the Belrose Building. The project will also remodel the elevator lobbies and corridors and include a replacement of the fire alarm system.

15. Concrete Breezeway and Stairway Replacement (State Capitol and Annex Building) (19056). This project will design and construct a replacement of deteriorating exterior concrete breezeway and stairs between the Capitol Building and the Capitol Annex. A snow melt system will be installed in the new breezeway walkway and steps. In addition, stair railing, guardrails and exterior rated electrical outlets will be installed.

16. HVAC Renovation (Frankie Sue Del Papa Building) (23012). This project will design and replace the hot and chilled water plants, piping, air handling units, and fan coil units at the Frankie Sue Del Papa Building.

17. Air Handling Unit Replacement (Belrose Building) (23291). This project will design and construct replacement of the air handling units, packaged rooftop units, and minisplits at the Belrose Building.

18. Solar Electric Vehicle Charging Stations (State Public Works Division, Las Vegas) (23307). This project will design and construct solar electric vehicle charging stations with solar panels and parking structures at the Las Vegas State Public Works Division Building.

19. Building 12 HVAC Systems Renovation (Stewart Facility) (23308). This project will design and construct replacement of boilers, hot water convectors, piping, and associated temperature controls in Building 12. This project will also add dedicated outdoor air units to provide code-required ventilation to the building.

Project Justification:

The Department of Administration (DOA) Priority 1 deferred maintenance projects have been combined into a single maintenance project for the benefit of the State and DOA. Combining these projects allows the ability to begin the listed Priority 2 projects if savings are identified from Priority 1 projects. This benefits the State and DOA by allowing the Priority 2 projects to move forward in this biennium rather than waiting until the next biennium. Completing projects sooner decreases potential emergency repairs and improves utilization of state funds.

1. Computer Room Cooling System Upgrade (EITS Data Center) (21269). The existing air conditioning equipment is more than 20 years old and has reached the end of its useful service life.

2. Uninterruptable Power Supply System (EITS Data Center) (23004). The UPS system and electrical room lighting are approximately 18 years old and are at the end of its useful service life. Parts for the existing UPS are no longer manufactured and are becoming increasingly difficult to procure. The UPS system provides backup power to the State of Nevada communications & data network and a lack of redundancy will cause an extended outage until parts can be replaced in the single UPS currently installed. Replacing the existing single UPS system with a dual UPS system provides an additional layer of electrical power redundancy for the State's critical communications & data network.

3. Replace Emergency Generator (Supreme Court Building) (23301). The existing generator and automatic transfer switch is approximately 32 years old and are at the end of their useful life. Failure of the backup generator system during a loss of power event would impact emergency egress, mechanical equipment, and the agency's ability to continue working.

4. Renovate Pump Generator (Marlette Water System Pump Building) (23289). The generator is approximately 13 years old, operates for approximately 3,000 hours annually, and has exceeded the runtime hours for the required rebuild maintenance. The generator operates continuously from July 1st to October 30th to run the pump located at the Marlette Reservoir. The MLWS supplies raw water to Carson City and Storey County. Preventative maintenance to this generator will allow the MLWS to continue its role as the sole provider of raw water to Virginia City and

Project No: M03 Title: Deferred Maintenance (Department of Administration)

Agency: State Public Works Division

Location: Statewide

supplement Carson City's water system.

5. Replace Emergency Generator (Nevada State Library and Archives) (23299). The existing generator and automatic transfer switch is approximately 21 years old, are at the end of their useful life and only provides emergency and egress lighting power. Failure of the backup generator system during a loss of power event would impact emergency egress, mechanical equipment, and the agency's ability to continue working.
6. Concrete and Bench Replacement (Capitol Building Site) (23007). The existing concrete is spalled, cracked, and broken in many areas throughout the site. These issues create tripping hazards and make it difficult to keep the grounds in a presentable and accessible condition. The existing concrete benches are also spalling and have chipped edges, and none of the benches are ADA accessible.
7. Building 17 HVAC Systems Renovation (Stewart Facility) (23010). The existing heating and cooling equipment is approximately 20 years old and has reached the end of its useful service life. The existing temperature control system is obsolete and is becoming costly to service.
8. Building 107 HVAC System Replacement (Stewart Facility) (21038). The existing equipment is approximately 25 years old and has reached the end of its useful service life. The equipment also contains R-22 refrigerant which is no longer manufactured in, or imported to the United States.
9. Additional East Slope Catchments (Marlette Lake Water System) (19009). This project completes the remaining three of seven east slope surface water catchment upgrades and provides structural protection to the historic Tunnel Portal. The additional catchments increase the amount of water the MLWS can deliver to customers.
10. Site Drainage Improvements (Attorney General's Office Complex) (7208). Storm flows regularly flood the basement of the Attorney General's Office Complex and drainage improvements are necessary on the east side of the buildings to move storm water away from the foundations.
11. Elevator Renovation (Blasdel Building) (23303). Project scope modifications have increased costs. The design process has uncovered that elevator equipment will require mechanical improvements to provide cooling of elevator equipment.
12. HVAC Systems Renovation (Nevada Early Intervention Services) (23013). The heating and cooling equipment is between 18 and 25 years old and past its useful service life. The existing temperature control system is obsolete and is becoming costly to service. The cooling equipment also contains R-22 refrigerant which has not been available in the United States since January 1, 2020.
13. Upgrade Surveillance and Security Systems (Nevada State Capitol Complex and Governor's Mansion) (23306). These buildings are occupied by high level state officials, and incidents occur in and around these buildings. An upgraded camera system will provide improved coverage and images for the Capitol Police. This project will provide the Department of Public Safety, Capitol Police, and Carson City Sherriff's Office the ability to monitor cameras from each facility and allow faster response to Capitol Complex and Governor's Mansion incidents.

The following are Priority 2 projects:

14. Elevator Replacement and Fire Alarm Replacement (Belrose Building) (19038). The existing elevators are original to the building and are beyond their useful service life. When these elevators malfunction, occupants are trapped inside the elevator cabs. Due to the age of the equipment, repairs have become increasingly common and it has become difficult to obtain replacement parts. If this project is not approved, repair costs will continue to increase. The existing elevators can not be modified to meet American with Disability Act requirements because enlarging the elevator shafts would require significant modifications to the building structure. As such, the accessible elevator shaft and enclosure will be installed exterior to the building. The original elevators are located in separate locations inside the building, therefore interior renovations will be necessary in order to connect the existing elevator lobbies for facilitating public access. By reducing the quantity of elevators in the building, annual permit and inspection fees will be also be reduced.
15. Concrete Breezeway and Stairway Replacement (State Capitol and Annex Building) (19056). The concrete finish of the exterior concrete breezeway and steps is in a state of irreversible deterioration. This condition presents a safety hazard to both state employees and the visiting public. The option of adding a remedial surfacing material to the existing concrete surfaces has been tried, with limited success. The existing concrete ramp that connects to the breezeway was replaced in 2017. The new ramp was constructed with a snowmelt system, similar to what is proposed

Project No: M03 **Title:** Deferred Maintenance (Department of Administration)

Agency: State Public Works Division

Location: Statewide

in this request. The replacement of the breezeway and the new stairs is the logical next step to ensure unobstructed access to the Capitol and Annex Buildings.

16. HVAC Renovation (Frankie Sue Del Papa Building) (23012). The central plant equipment, air handling units, and fan coils are over 20 years old and are nearing the end of their useful life. The chiller equipment also contains R-22 refrigerant which is no longer available in the United States since January 1, 2020.

17. Air Handling Unit Replacement (Belrose Building) (23291). The air handling units are more than 20 years old and have reached the end of their useful service life. Maintaining the desired indoor temperatures and air quality is becoming increasingly difficult, and the equipment continues to require an abnormal level of service and maintenance.

18. Solar Electric Vehicle Charging Stations (State Public Works Division, Las Vegas) (23307). The electric vehicle charging stations would be used by the general public when they perform business at this building. The solar panels would offset energy used by the electric vehicle chargers and provide additional energy savings to the building.

19. Building 12 HVAC Systems Renovation (Stewart Facility) (23308). The existing heating equipment is approximately 20 years old and has reached the end of its useful service life. The existing temperature control system is obsolete and is becoming costly to service. The building is currently not ventilated, which is required by adopted mechanical code.

Background Information:

1. Computer Room Cooling System Upgrade (EITS Data Center) (21269). The EITS Data Center is 22,928 square-feet, was constructed in 1970, and remodeled in 2003.

2. Uninterruptable Power Supply System (EITS Data Center) (23004). The EITS Data Center is 22,928 square-feet, was constructed in 1970, and remodeled in 2003.

3. Replace Emergency Generator (Supreme Court Building) (23301). The Supreme Court Building is 118,900 square-feet and was constructed in 1991.

4. Renovate Pump Generator (Marlette Water System Pump Building) (23289). The Generator Building is 952 square-feet and was constructed in 2009. This project will renovate the larger pump generator while project 19-M21, which was completed in November 2021, replaced the small generator.

5. Replace Emergency Generator (Nevada State Library and Archives) (23299). The Nevada State Library and Archives is 130,000 square-feet and was constructed in 1992.

6. Concrete and Bench Replacement (Capitol Building Site) (23007). The concrete and benches on the capitol grounds were originally constructed in 1974. Many panels have been replaced in various areas, but failures continue to occur.

7. Building 17 HVAC Systems Renovation (Stewart Facility) (23010). Building No. 17 was constructed in 1964 and is a precast concrete and steel framed structure with a low slope single-ply roofing system. It contains offices, restrooms, conference areas and storage rooms for the Department of Corrections' operations. The two-story facility has been extensively remodeled and is in excellent shape with fire protection systems and ADA accessibility. The HVAC system includes, boilers, a chiller and cooling tower.

8. Building 107 HVAC System Replacement (Stewart Facility) (21038). The Building #107 State Fire Marshal is 32,832 square-feet and was constructed in 1963.

9. Additional East Slope Catchments (Marlette Lake Water System) (19009). The Marlette Lake Water System (MLWS) was originally constructed in the 1870's to provide water to Virginia City. It was purchased in 1963 by the State of Nevada and is currently run by the State Public Works Division. The MLWS provides raw water to Carson City and Storey County and is the only source of water for Virginia City, Gold Hill and Silver City. Water is still conveyed through the 1870's era inverted siphon that runs from a storage tank at Lakeview, under I-580 and back up in elevation to 5-Mile Reservoir near Virginia City. The East Slope Catchments collect snow melt and spring runoff that supplements water collected in the Marlette and Hobart water basins.

10. Site Drainage Improvements (Attorney General's Office Complex) (7208). The project site is bounded by the Attorney General's Office and Heroes Memorial Building. The Attorney General's Office is 23,100 square-feet and was constructed in 1937. The Heroes Memorial Building is 13,992 square-feet and was constructed in 1920.

Project No: M03 Title: Deferred Maintenance (Department of Administration)

Agency: State Public Works Division

Location: Statewide

11. Elevator Renovation (Blasdel Building) (23303). The existing elevator is an original 4 stop traction elevator with original motors and controls.

12. HVAC Systems Renovation (Nevada Early Intervention Services) (23013). The Nevada Early Intervention Services building was constructed in 1980 and is a slump stone masonry and wood framed structure with a composition roofing system and concrete foundation.

13. Upgrade Surveillance and Security Systems (Nevada State Capitol Complex and Governor's Mansion) (23306). The Governor's Mansion is 9,361 square-feet and was constructed in 1908. The State Capitol Annex is 9,864 square-feet and was constructed in 1905. The Nevada State Capitol is 54,778 square-feet and was constructed in 1870. The Nevada State Library and Archives is 130,000 square-feet and was constructed in 1992. The Blasdel Office Building is 41,680 square-feet and was constructed in 1957. The Frankie Sue Del Papa Building is 14,680 square-feet and was constructed in 1920. The Attorney General's Office is 23,100 square-feet and was constructed in 1937. The Service Cube Building is 4,800 square-feet and was constructed in 1994. The Supreme Court of Nevada Building is 118,900 square-feet and was constructed in 1991.

The following are Priority 2 projects:

14. Elevator Replacement and Fire Alarm Replacement (Belrose Building) (19038). This Belrose Building was constructed in 1973. This project was previously requested in 2019 and 2021.

15. Concrete Breezeway and Stairway Replacement (State Capitol and Annex Building) (19056). State Building and Grounds has attempted to patch the concrete surfaces by applying a synthetic surface coating over the concrete with limited success. Ice melt salts are seasonally applied to the concrete breezeway which accelerates rusting of guardrails and stair railing. Like the connecting ramp, the only viable solution is to replace the breezeway and steps and railings.

16. HVAC Renovation (Frankie Sue Del Papa Building) (23012). The Frankie Sue Del Papa Building is 14,680 square-feet and was constructed in 1920.

17. Air Handling Unit Replacement (Belrose Building) (23291). The Belrose Office Building is 41,075 square-feet and was constructed in 1973.

18. Solar Electric Vehicle Charging Stations (State Public Works Division, Las Vegas) (23307). The Las Vegas State Public Works Division Building is 7,087 square-feet and was built in 1974.

19. Building 12 HVAC Systems Renovation (Stewart Facility) (23308). This building was constructed in 1941 and is used as a dormitory for the State of Nevada Peace Officer Safety Training (POST) program. It is constructed with unreinforced stone masonry and has an asphalt composition roof. There are numerous sleeping rooms, Men's and Women's restrooms, laundry rooms and training rooms located within the facility. There is a new fire sprinkler and alarm system inside and heating is provided by gas fired hydronic heating system. There is no cooling provided and the building and restrooms are not ADA accessible.

Project No: M04 **Title:** Replace Doors, Locks, and Security Glazing (Southern Desert Correctional Center)

Description: Replace cell doors, locks, security glazing and install security gates at Housing Units 1, 5, and 6.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: SDCC **Project Mgr:** MML

State: 21,365,841
Agency: 0
Federal: 0
Other: 0
Total: 21,365,841

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	1,940,954	2,222,198	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Replace Cell Doors (336 @ \$18,900/ea) 6,350,400
Structural Plan Check	6,033	6,456	2 Door Controls (336 @ \$11,875/ea) 3,990,000
Mechanical Plan Check	0	0	3 Door Locks & Electronic Strikes (336 @ \$3,208/ea) 1,077,888
Electrical Plan Check	7,210	7,715	4 Software Licensing (9 @ \$31,500/ea) 283,500
Civil Plan Check	0	0	5 Housing Unit Security Bubble Glass (3 @ \$57,780/ea) 173,340
ADA Plan Check	0	0	6 Housing Unit Security Bubble Cage (3 @ \$57,780/ea) 173,340
Fire Marshal Plan Check	0	0	7 Exterior Door Controls (9 @ \$11,875/ea) 106,875
Code Compliance Plan Check	0	0	8 Disposal of Cell Doors (336 @ \$250/ea) 84,000
Constructability Plan Check	0	0	9 Exterior Door Locks & Strikes (9 @ \$3,208/ea) 28,872
CMAR Pre-Construction Services	0	0	10 Demolition of Glazing & Screens (3 @ \$3,250/ea) 9,750
PWD Project Mgmt & Inspection	569,031	569,031	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	2,523,228	2,805,400	Total 12,277,965
Construction Costs			
Allowances:			
Construction	14,733,559	16,868,452	1 Secure Facility Allowance (10%) 1,227,797
Construction Contingency	1,473,356	1,686,845	2 Occupied Facility (10%) 1,227,797
Green Building Equivalence	0	0	Total 2,455,594
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	16,206,915	18,555,297	Total 14,733,559
Miscellaneous			
Advertising	3,341	3,825	
Printing	1,152	1,319	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	4,493	5,144	
Total Project Cost	18,734,636	21,365,841	

Project No: M04 **Title:** Replace Doors, Locks, and Security Glazing (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

This project will design and construct cell doors, locks and security control room glazing for Housing Units 1, 5, and 6. This is similar to the door & lock replacement project (11-M15) already accomplished in units 2, 3, and 4.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

These housing units were built in 1980 and 1981. The doors and locking mechanisms are original to the buildings and have been problematic due to inmate abuse and age. The central control area in the housing units are encased in an expanded metal lath and plexiglass. This arrangement protects the officers but causes line of sight issues and blind spots. The plexiglass has hazed over the years, is scratched and damaged making it difficult for the officers to monitor the units. The cell doors in these units are 40 years old and need to be replaced. Correctional facilities must maintain operational cell doors for orderly and safe exiting as well as regular traffic, and operate automatically for life safety purposes.

Background Information:

Southern Desert Correctional Center Housing Units 1, 5, and 6 are 17,127 square-feet each and were constructed in 1980.

Project No: M05 **Title:** Life Safety, Security, and Lighting Replacement (Nevada State Museum, Carson City)

Description: Replace fire alarm, security system, interior lighting and install an access control system at the Nevada State Museum.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** JGA

State: 1,401,255
Agency: 0
Federal: 0
Other: 0
Total: 1,401,255

Project Group: Labs, Medical or Museums **Building Area:** 41,687 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	96,429	113,519	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Interior Lighting (41,687 sf@ \$8/sf) 333,496 2 Fire Alarm System (41,687 sf@ \$3/sf) 125,061 3 Intrusion Alarm System (41,687 sf@ \$2/sf) 83,374 4 Access Control Combiner Boxes (14 @ \$5,800/ea) 81,200 5 Lighting Controls (41,687 sf@ \$1.50/sf) 62,531 6 Door Access Control System (41,687 sf@ \$1.50/sf) 62,531 7 Security Software Licensing (2 @ \$2,000/ea) 4,000 Total 752,193 Allowances: 1 Occupied Facility (14%) 105,307 Total 105,307 Total 857,499	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	1,543	1,675		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	2,457	2,666		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	84,904	84,904		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	185,333	202,764		
Construction Costs				
Construction	857,499	1,009,469		
Construction Contingency	128,625	151,420		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	30,000	35,317		
Subtotal	1,016,124	1,196,206		
Miscellaneous				
Advertising	1,444	1,699		
Printing	498	586		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,942	2,285		
Total Project Cost	1,203,399	1,401,255		

Project No: M05 **Title:** Life Safety, Security, and Lighting Replacement (Nevada State Museum, Carson City)

Agency: Museums and History

Location: Carson City

Detail Description:

This project will design and construct replacement of the fire alarm, security system, LED lighting, and lighting controls at the Carson City Nevada State Museum. This project will also install an access control system.

Project Justification:

The Nevada Museum houses historical documents and irreplaceable artifacts related to the history of the State of Nevada. This project will provide full time monitoring, recording of thefts, and vandalism of irreplaceable museum artifacts that have occurred in recent years. The existing security system is approximately 15 years old, parts are no longer available, and it is at the end of its useful life. The existing lighting is approximately 23 years old, and has reached the end of its useful life. Track lighting in particular has caused electrical arcing damage to flooring, displays and is a fire risk to the facility.

Background Information:

The Nevada State Museum is 44,337 square feet and was constructed in 1871. The North Annex/FIB Building is 8,500 square feet and was constructed in 1955. The ADA Entrance Connecting Structure is 3,949 square feet and was constructed in 2008.

Project No: M06 **Title:** Hatchery Water Intrusion Repairs (Gallagher Fish Hatchery)

Description: Repair damaged concrete wall panels, repair roof support beam, replace skylights, install french drain and install exhaust fan.

Funding Summary

Department: Wildlife **Division:** Wildlife
Agency: Wildlife **Project Mgr:** JWR

State: 3,012,526
Agency: 0
Federal: 0
Other: 0
Total: 3,012,526

Project Group: Storage or Warehousing **Building Area:** 5,280 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Ruby Valley **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	192,510	226,627	
Surveys	10,000	10,850	
Soils Analysis	10,000	10,850	
Materials Testing Services	24,001	28,254	
Structural Plan Check	2,348	2,548	
Mechanical Plan Check	3,871	4,200	
Electrical Plan Check	3,123	3,388	
Civil Plan Check	2,136	2,317	
ADA Plan Check	0	0	
Fire Marshal Plan Check	4,228	4,588	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	146,079	146,079	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Architectural Evaluation	6,250	7,358	
Structural Evaluation	25,000	29,431	
Subtotal	429,546	476,489	
Construction Costs			
Construction	1,871,090	2,202,694	
Construction Contingency	280,664	330,404	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	2,151,754	2,533,098	
Miscellaneous			
Advertising	1,856	2,185	
Printing	640	754	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,496	2,939	
Total Project Cost	2,583,796	3,012,526	
Construction Cost Detail:			
1	Structural Repair		787,500
2	Water Intrusion Repair		285,000
3	French Drain Construction (530 lf@ \$282/lf)		149,460
4	Roof Replacement (5,500 sf@ \$22/sf)		121,000
5	Interior Refresh (2,410 sf@ \$36/sf)		86,760
6	Exterior Finishes (2,410 sf@ \$14/sf)		33,740
7	Fire Alarm Installation (5,280 sf@ \$5/sf)		26,400
8	Exit & Egress Lighting Installation (2 @ \$11,875/ea)		23,750
9	Exhaust Fan		16,560
10	Remove & Replace Entry Concrete (152 sf@ \$100/sf)		15,200
11	Skylight Replacement (8 @ \$960/ea)		7,680
12	Gutter & Ice Melt Installation (88 lf@ \$59/lf)		5,192
13	Downspout Assembly (2 @ \$500/ea)		1,000
Total			1,559,242
Allowances:			
1	Remote Site (10%)		155,924
2	Occupied Facility (10%)		155,924
Total			311,848
Total			1,871,090

Project No: M06 Title: Hatchery Water Intrusion Repairs (Gallagher Fish Hatchery)

Agency: Wildlife

Location: Ruby Valley

Detail Description:

This project will design and construct structural repairs to the exterior walls, foundation, floor slab, and structural roof repair caused by the cracked, discontinuous structural beams at both the east and west walls, which support the roof framing. Repairs will include demolition and replacement of the existing exterior concrete wall panels at main wall cracks, developing expansion joints, repairing existing steel angle roof support ledgers, repairing various locations of perimeter concrete walls, foundation repairs, interior concrete floor slab repairs and structural roof repairs.

Project Justification:

The ledger beam that supported the roof has cracked and is discontinuous, possibly compromising the structural integrity of the building. Considerable deterioration was recently observed at the hatchery building at the Gallagher Fish Hatchery in Ruby Valley by NDOW maintenance personnel. During freeze thaw conditions, the walls lift which causes them to separate, displacing the caulked joints between the wall panels and daylight can be seen through several pre-cast concrete wall panels. The skylights in the roof that are in disrepair and are also leaking. The sidewalk around the building is heaved from water intrusion and freeze thaw conditions.

Background Information:

The Gallagher Fish Hatchery building is a 5,280 square-foot, pre-cast concrete structure with a ballasted flat roof and was constructed in 1966.

Project No: M07 **Title:** Warehouse Air Conditioning Upgrade (Department of Motor Vehicles, Flamingo)

Description: Replace swamp coolers in the warehouse with rooftop air conditioning units.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** GCE

State: 0
Agency: 535,254
Federal: 0
Other: 0
Total: 535,254

Project Group: Storage or Warehousing **Building Area:** 9,723 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	30,497	34,916	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Insulation Upgrade 120,000
Structural Plan Check	1,354	1,449	2 Package Rooftop Unit 47,520
Mechanical Plan Check	1,061	1,136	3 Temperature Control System 36,000
Electrical Plan Check	750	803	4 Distribution, Ductwork & Equipment 24,552
Civil Plan Check	0	0	5 Electrical Modifications 18,000
ADA Plan Check	0	0	6 Crane/rigging 18,000
Fire Marshal Plan Check	0	0	7 Demolition of Equipment 12,787
Code Compliance Plan Check	0	0	8 Structural Modifications 12,312
Constructability Plan Check	0	0	9 Testing, Balancing & Commissioning 5,616
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	29,582	29,582	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	63,244	67,886	Total 294,787
Allowances:			
Construction Costs			1 Occupied Facility (20%) 58,957
Construction	353,744	405,002	
Construction Contingency	53,062	60,750	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	406,806	465,752	Total 58,957
Miscellaneous			
Advertising	1,049	1,202	
Printing	362	414	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,411	1,616	Total 353,744
Total Project Cost	471,461	535,254	

Project No: M07 **Title:** Warehouse Air Conditioning Upgrade (Department of Motor Vehicles, Flamingo)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct replacement of warehouse evaporative cooling units with rooftop air conditioning equipment for the Flamingo Department of Motor Vehicles.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The warehouse currently does not cool down to a comfortable temperature for employees and can damage the stored materials.

Background Information:

This warehouse was built in 1995 and is 9,723 square-feet.

Project No: M08 **Title:** Install Security Cameras (High Desert State Prison)

Description: Install cameras, workstations and digital storage at High Desert State Prison.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: HDSP **Project Mgr:** JKF

State:	5,527,956
Agency:	0
Federal:	0
Other:	0
Total:	5,527,956

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	447,422	512,254	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	4,191	4,484	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	199,757	199,757	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	651,370	716,495	
Construction Costs			
Construction	3,651,696	4,180,827	
Construction Contingency	547,754	627,124	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	4,199,450	4,807,951	
Miscellaneous			
Advertising	2,280	2,610	
Printing	786	900	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	3,066	3,510	
Total Project Cost	4,853,886	5,527,956	

Construction Cost Detail:

1 Fixed Cameras (650 @ \$3,972/ea)	2,581,800
2 Pan-tilt-zoom Cameras (32 @ \$5,040/ea)	161,280
3 Monitoring Stations (30 @ \$4,200/ea)	126,000
4 Enhanced Digital Storage	72,000
5 Cable & Conduit Installation (2,400 lf @ \$30/ea)	72,000
6 Software Licenses (30 @ \$1,000/ea)	30,000
Total	3,043,080

Allowances:

1 Remote Site (10%)	304,308
2 Secure Facility Allowance (10%)	304,308
Total	608,616

Total 3,651,696

Project No: M08 Title: Install Security Cameras (High Desert State Prison)

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

This project will design and construct video monitoring and recording equipment in every common inmate area and visitor area in High Desert State Prison, including cameras in Housing Units 1-8.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

This equipment will record and document actual activities, and help reduce grievances, by recording incidences with staff and inmates. Food preparation monitoring has also become a requirement for all of these facilities.

Background Information:

The High Desert State Prison is located 40 miles north of Las Vegas on the west side of Highway 95. It is the largest correctional facility within the Department of Corrections. The complex buildings total approximately 900,000 square-feet of space. The institution opened September 1, 2000 and is the reception unit for Southern Nevada.

Project No: M09 **Title:** Walk-in Cooler and Freezer Replacement (Southern Nevada State Veterans Home)

Description: Replacement of walk-in cooler and walk-in freezer at the Southern Nevada State Veterans Home.

Funding Summary

Department: NDVS **Division:** VetHome
Agency: SNSVH **Project Mgr:** GCE

State: 503,680
Agency: 0
Federal: 0
Other: 0
Total: 503,680

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 83,960 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Boulder City **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	28,641	32,791	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Cooler & Freezer Installation 297,600
Structural Plan Check	0	0	2 Cooler & Freezer Demolition 18,000
Mechanical Plan Check	3,063	3,277	3 Temporary Facilities 16,608
Electrical Plan Check	797	853	Total 332,208
Civil Plan Check	0	0	
ADA Plan Check	0	0	Total 332,208
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	27,782	27,782	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	60,283	64,703	
Construction Costs			
Construction	332,208	380,345	
Construction Contingency	49,831	57,052	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	382,039	437,397	
Miscellaneous			
Advertising	1,027	1,175	
Printing	354	405	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,381	1,580	
Total Project Cost	443,703	503,680	

Project No: M09 **Title:** Walk-in Cooler and Freezer Replacement (Southern Nevada State Veterans Home)

Agency: Southern Nevada State Veterans Home

Location: Boulder City

Detail Description:

This project will design and construct a replacement walk-in cooler and walk-in freezer for Southern Nevada State Veterans Home.

Project Justification:

The freezer and cooler casings are 22 years old and beyond their normal useful life. The panels have gaps which allows moist air into the system that causes condensation and a slipping hazard when the equipment enters defrost cycles. The paneling and insulation degradation will cause higher than normal energy costs until replaced.

Background Information:

The Southern Nevada Veterans Home was built in 2000 and is 83,960 square-feet.

Project No: M10 **Title:** Upgrade Security, Fire and Life Safety, and Electrical Systems (Nevada Historical Society)

Description: Project will update security, fire and life safety, electrical, and telecom systems at the Historical Society Building located in Reno.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: HistSoc **Project Mgr:** JGA

State: 1,919,083
Agency: 0
Federal: 0
Other: 0
Total: 1,919,083

Project Group: Labs, Medical or Museums **Building Area:** 22,200 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Reno **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail:
A/E Design & Supervision	135,019	154,583	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	12,558	14,377	
Structural Plan Check	2,081	2,226	
Mechanical Plan Check	3,201	3,425	
Electrical Plan Check	2,162	2,314	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	3,123	3,342	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	108,749	108,749	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	10,000	11,449	
Subtotal	276,893	300,465	
Construction Costs			
Construction	1,201,387	1,375,468	
Construction Contingency	180,208	206,320	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	30,000	34,347	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	1,411,595	1,616,135	
Miscellaneous			
Advertising	1,612	1,846	
Printing	556	637	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,168	2,483	
Total Project Cost	1,690,656	1,919,083	
			1 Interior Lighting & Controls (32,100 lf@ \$9.50/lf) 304,950 2 Data & Phone Systems (32,100 sf@ \$3.50/sf) 112,350 3 Main Switchboard & Panels 107,500 4 Electrical Feeders (1,500 lf@ \$65/lf) 97,500 5 Digital Storage & Viewing Stations 90,000 6 Fixed Cameras (20 @ \$3,972/ea) 79,440 7 Receptacles & Branch Circuiting (32,100 @ \$2/ea) 64,200 8 Intrusion Alarm System (32,100 sf@ \$2/sf) 64,200 9 Door Access Control (31,200 @ \$1.50/ea) 46,800 10 Fire Sprinkler Renovations (32,100 sf@ \$1.30/sf) 41,730 11 Security Gate & Fire Rated Door 27,200 12 Mechanical Modifications 20,000 13 Electrical Coordination Study 16,500 14 Trenching, Conduit & Backfill (100 lf@ \$108/lf) 10,800 15 Security Software Licensing (2 @ \$2,500/ea) 5,000 16 Concrete Pad (10 cy@ \$400/cy) 4,000 Total 1,092,170 Allowances: 1 Occupied Facility (10%) 109,217 Total 109,217 Total 1,201,387

Project No: M10 **Title:** Upgrade Security, Fire and Life Safety, and Electrical Systems (Nevada Historical Society)

Agency: Historical Society

Location: Reno

Detail Description:

This project will design and construct security and access control systems, renovate the fire and life safety systems, power distribution systems, lighting, lighting controls, receptacles, branch circuiting, data/telephone, and cameras at the Nevada Historical Society Building in Reno.

Project Justification:

The Nevada Historical Society houses historical documents and irreplaceable artifacts related to the history of the State of Nevada. This project will provide full time monitoring, recording of thefts, and vandalism of irreplaceable museum artifacts that have occurred in recent years. The existing electrical systems are approximately 25 years old and are at the end their useful life.

Background Information:

The Nevada Historical Society building is 22,200 square feet and was constructed in 1968.

Project No: M11 **Title:** Replace Cooling Tower Piers (Southern Nevada State Veterans Home)

Description: Remove and replace cooling tower piers at the Southern Nevada State Veterans Home.

Funding Summary

Department: NDVS **Division:** VetHome
Agency: SNSVH **Project Mgr:** KEN

State:	390,222
Agency:	0
Federal:	0
Other:	0
Total:	390,222

Project Group: Civil/Sitework	Building Area: 0 gsf
Project Type: Civil/Sitework	Months To Construction: 24
Project Site: Local	Const. Annual Inflation Rate: 7.00%
Location: Boulder City	Total Inflation: 14.49%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Replace Cooling Tower Piers 215,000 <hr/> Total 215,000 Total 215,000
A/E Design & Supervision	24,205	27,712	
Surveys	5,000	5,350	
Soils Analysis	10,000	10,700	
Materials Testing Services	5,656	6,476	
Structural Plan Check	1,075	1,150	
Mechanical Plan Check	750	803	
Electrical Plan Check	0	0	
Civil Plan Check	775	829	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	24,111	24,111	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	25,000	28,623	
Subtotal	96,572	105,754	
Construction Costs			
Construction	215,000	246,154	
Construction Contingency	32,250	36,923	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	247,250	283,077	
Miscellaneous			
Advertising	903	1,034	
Printing	311	357	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,214	1,391	
Total Project Cost	345,036	390,222	

Project No: M11 **Title:** Replace Cooling Tower Piers (Southern Nevada State Veterans Home)

Agency: Southern Nevada State Veterans Home

Location: Boulder City

Detail Description:

This project will design and construct replacement of the cooling tower piers at the Southern Nevada State Veterans Home.

Project Justification:

The existing concrete base piers have visible cracks.

Background Information:

The cooling towers were replaced in 2006.

Project No: M13 **Title:** Replace Surveillance Camera System (Northern Nevada Correctional Center)

Description: Replace and augment existing surveillance camera system at the Northern Nevada Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: NNCC **Project Mgr:** JGA

State: 3,182,837
Agency: 0
Federal: 0
Other: 0
Total: 3,182,837

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	214,139	252,090	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Fixed Cameras (250 @ \$3,972/ea) 993,000 2 Viewing Software License (40 @ \$5,000/ea) 200,000 3 Camera Viewing Stations (40 @ \$4,200/ea) 168,000 4 Enhanced Digital Storage 142,000 5 Fiber Optic Cable (5,000 lf@ \$24/lf) 120,000 6 Pan-tilt-zoom Cameras (15 @ \$5,040/ea) 75,600 <hr/> Total 1,698,600 Allowances: 1 Secure Facility Allowance (10%) 169,860 2 Occupied Facility (10%) 169,860 <hr/> Total 339,720 Total 2,038,320	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	3,223	3,497		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	129,413	129,413		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	346,775	385,000		
Construction Costs				
Construction	2,038,320	2,399,561		
Construction Contingency	305,748	359,934		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	30,000	35,317		
Subtotal	2,374,068	2,794,812		
Miscellaneous				
Advertising	1,911	2,249		
Printing	659	776		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,570	3,025		
Total Project Cost	2,723,413	3,182,837		

Project No: M13 **Title:** Replace Surveillance Camera System (Northern Nevada Correctional Center)

Agency: Northern Nevada Correctional Center

Location: Carson City

Detail Description:

This project will design and construct a replacement and augmentation of the existing security cameras in all inmate accessible areas of the prison and replace recording equipment in the Administration building at the Northern Nevada Correctional Center. This project will also replace and augment camera viewing stations in each housing unit and other inmate monitoring and control areas at the Nevada Department of Corrections Headquarters.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The existing camera system that was installed as part of project 07-M48 and is approximately 15 years old, is failing and has inadequate storage capabilities.

Background Information:

Northern Nevada Correctional Center is a medium security facility and was originally constructed in the late 1960's and expanded several times.

Project No: M14 **Title:** Replace Surveillance Camera System (Lovelock Correctional Center)

Description: Replace surveillance cameras, monitors, and recording equipment at the Lovelock Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: LCC **Project Mgr:** JGA

State: 3,160,020
Agency: 0
Federal: 0
Other: 0
Total: 3,160,020

Project Group: Armory, Military or Prisons **Building Area:** 256,308 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lovelock **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	238,704	281,009	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	3,148	3,415	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	131,565	131,565	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	373,417	415,989	
Construction Costs			
Construction	1,913,280	2,252,361	
Construction Contingency	286,992	337,854	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	128,154	150,866	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	2,328,426	2,741,081	
Miscellaneous			
Advertising	1,863	2,194	
Printing	643	756	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,506	2,950	
Total Project Cost	2,704,349	3,160,020	

Project No: M14 **Title:** Replace Surveillance Camera System (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project will design and construct replacement and augmentation of the existing security cameras in all inmate accessible areas of the prison and replace recording equipment in the Administration building at the Lovelock Correctional Center. This project will also replace and augment camera viewing stations in each housing unit and other inmate monitoring and control areas.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The existing analog camera system that was installed by the Department of Corrections, approximately 16 years ago, is failing and has inadequate storage capabilities.

Background Information:

The Lovelock Correctional Center (LCC) is approximately 100 acres and has approximately 400,000 square feet of building space. Construction occurred in two phases, the first was completed in 1993 and the second in 1997. This site houses an average of 1,600 inmates.

Project No: M15 **Title:** Chapel Remodel (Southern Nevada Veterans Memorial Cemetery)

Description: Remodel the exterior and interior with ceiling replacement, interior and exterior patch and paint, install protective bollards, replace windows and door hardware, and remove an operable partition.

Funding Summary

Department: NDVS **Division:** VetCem
Agency: SNVMC **Project Mgr:** JSP

State: 894,842
Agency: 0
Federal: 0
Other: 0
Total: 894,842

Project Group: Offices or Dorms **Building Area:** 4,800 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Boulder City **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail:
A/E Design & Supervision	65,773	75,303	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	1,562	1,671	
Mechanical Plan Check	1,686	1,804	
Electrical Plan Check	1,012	1,082	
Civil Plan Check	0	0	
ADA Plan Check	1,686	1,804	
Fire Marshal Plan Check	1,756	1,879	
Code Compliance Plan Check	3,650	3,906	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	62,686	62,686	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	139,811	150,135	
Construction Costs			
Construction	561,996	643,429	1 Downlight Replacement (136 @ \$600/ea) 81,600
Construction Contingency	84,299	96,514	2 Exterior Patch & Painting (4,800 sf@ \$15/sf) 72,000
Green Building Equivalence	0	0	3 Window Replacement (300 sf@ \$215/sf) 64,500
Utility/Off-Site Costs	0	0	4 Interior Painting (4,800 sf@ \$10/sf) 48,000
Utility Connection Fees	0	0	5 Ceiling Tiles Replacement (2,550 sf@ \$15/sf) 38,250
Data/Telecom Wiring	0	0	6 Lavatory Replacement (2 @ \$18,600/ea) 37,200
Furnishings and Equipment	0	0	7 Column Base Removal (36 @ \$1,000/ea) 36,000
Roof Maint. Agreement	0	0	8 Door Hardware Replacement (16 @ \$1,500/ea) 24,000
Local Government Requirements	0	0	9 Door Replacement (2 @ \$11,000/ea) 22,000
Hazardous Material Abatement	2,500	2,862	10 Carpet Replacement (480 sy@ \$36/sy) 17,280
Subtotal	648,795	742,805	11 Window Demolition 10,500
Miscellaneous			12 Bollard Replacement 9,000
Advertising	1,235	1,414	13 Operable Partition Demolition 8,000
Printing	426	488	Total 468,330
Temporary Facilities	0	0	Allowances:
Agency Moving Costs	0	0	1 Occupied Facility (20%) 93,666
Land Purchase	0	0	Total 93,666
Subtotal	1,661	1,902	Total 561,996
Total Project Cost	790,267	894,842	

Project No: M15 **Title:** Chapel Remodel (Southern Nevada Veterans Memorial Cemetery)

Agency: Southern Nevada Veterans Memorial Cemetery

Location: Boulder City

Detail Description:

This project will design and construct the remodel of the interior and exterior of the Chapel at the Southern Nevada Veterans Memorial Cemetery. The work will replace windows, door hardware, carpet, ceiling tile, bollards, lights, patch and repaint interior and exterior walls, and remove decorative column bases and the operable partition in the center of the main chapel space.

Project Justification:

The Chapel has been heavily used, resulting in wear and tear on the finishes and doors. The west facing storefront glazing system is at the end of its useful service life, with gaps developing between the double pane glazing. The Chapel does not conduct simultaneous services so the operable partition dividing the chapel is unnecessary. The operable partition is stored two pockets that protrude into the sanctuary, so the removal of this unnecessary partition will improve the user experience. The large square column bases are trip hazards that have resulted in several accidents. This project will improve energy efficiency at the facility, which supports the intent of Senate Bill 254.

Background Information:

The Chapel is 4,800 square-feet and was constructed in 1999. This project was previously requested in 2017, 2019, and 2021.

Project No: M16 **Title:** Building Seismic Retrofit & Envelope Maintenance (Nevada Historical Society)

Description: Design and construct building seismic retrofit. Repair and paint building envelope to maintain building integrity and state assets.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: HistSoc **Project Mgr:** MNB

State: 1,434,832
Agency: 0
Federal: 0
Other: 0
Total: 1,434,832

Project Group: Labs, Medical or Museums **Building Area:** 22,200 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Reno **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	98,379	112,634	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	1,875	2,006	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	3,650	3,906	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	88,425	88,425	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	20,000	22,898	
Subtotal	212,329	229,869	
Construction Costs			
Construction	874,866	1,001,634	
Construction Contingency	131,230	150,245	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	44,400	50,834	
Subtotal	1,050,496	1,202,713	
Miscellaneous			
Advertising	1,461	1,673	
Printing	504	577	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,965	2,250	
Total Project Cost	1,264,790	1,434,832	
Construction Cost Detail:			
1 Demolition & Stucco Repair (4,100 sf@ \$65/sf)			266,500
2 Exterior Paint (20,140 sf@ \$11/sf)			221,540
3 Seismic Retrofit (12,500 sf@ \$17/sf)			212,500
4 Repair to Ceiling & Paint (964 sf@ \$25/sf)			24,100
5 Paint Interior Perimeter Walls (2,880 sf@ \$6/sf)			17,280
6 Parapet Flashing Repair (206 lf@ \$60/lf)			12,360
7 Selective Ceiling Demolition (960 sf@ \$11/sf)			10,560
8 Paint Ext. Doors (6 @ \$431/ea)			2,586
Total			767,426
Allowances:			
1 Occupied Facility (14%)			107,440
Total			107,440
Total			874,866

Project No: M16 **Title:** Building Seismic Retrofit & Envelope Maintenance (Nevada Historical Society)

Agency: Historical Society

Location: Reno

Detail Description:

This project will design and construct necessary seismic retrofits to the existing structure, with interior repairs to walls and ceiling as required to complete the seismic upgrade. Renovate exterior stucco columns and repair concrete bases. Repair portions of exterior wall stucco and parapet cap as required. Paint the exterior of building.

Project Justification:

Seismic retrofit will anchor the walls into the roof diaphragm. Portions of the stucco wall assembly are showing evidence of damage due to water intrusion, stucco is pulling away from the walls at both of the northern corners of the building.

Background Information:

The Nevada Historical society facility is 22,200 square feet and was constructed in 1968.

Project No: M17 **Title:** Install Fiber Optic Loop (Southern Desert Correctional Center)

Description: This project will replace the aging Cat-5 network backbone cabling throughout the entire facility of Southern Desert Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: SDCC **Project Mgr:** JKF

State: 2,016,639
Agency: 0
Federal: 0
Other: 0
Total: 2,016,639

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	161,337	184,715	1 Trenching & Conduit (4,710 lf@ \$108/lf) 508,680
Surveys	15,000	16,050	2 Install Fiber Optic Cable (12,990 lf@ \$24/lf) 311,760
Soils Analysis	7,500	8,025	3 Install Fiber Optic Switches (21 @ \$6,000/ea) 126,000
Materials Testing Services	16,581	18,983	4 Patching & Sidewalk Repair (1,880 lf@ \$25/) 47,000
Structural Plan Check	0	0	Total 993,440
Mechanical Plan Check	0	0	Allowances:
Electrical Plan Check	2,289	2,449	1 Remote Site (14%) 139,082
Civil Plan Check	1,881	2,013	2 Secure Facility Allowance (14%) 139,082
ADA Plan Check	0	0	Total 278,164
Fire Marshal Plan Check	0	0	Total 1,271,604
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	107,642	107,642	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	312,230	339,877	
Construction Costs			
Construction	1,271,604	1,455,859	
Construction Contingency	190,741	218,379	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	1,462,345	1,674,238	
Miscellaneous			
Advertising	1,639	1,877	
Printing	565	647	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,204	2,524	
Total Project Cost	1,776,779	2,016,639	

Project No: M17 **Title:** Install Fiber Optic Loop (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

This project will design and construct replacement of aging Cat-5 network backbone cabling throughout the entire facility of Southern Desert Correctional Center using the spare conduits installed under project 13-M07.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The existing Cat-5 network backbone is old, unreliable and needs replacement. The network replacement to fiber optic cable will be required for future door control replacement projects to ensure reliability and match other network backbones at our institutional facilities.

Background Information:

The facility opened in 1982.

Project No: M18 **Title:** HVAC System Renovation (Combined Support Maintenance Shop)

Description: This project is the continuation of 23-A013 and will replace rooftop units, heating/ventilation units, makeup air units, and exhaust fans at the Combined Support Maintenance Shop in Carson City.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** BJB

State: 1,041,259
Agency: 0
Federal: 0
Other: 0
Total: 1,041,259

Project Group: Armory, Military or Prisons **Building Area:** 41,619 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	68,143	80,220	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	6,884	8,105	1 Makeup Air Units 133,446
Structural Plan Check	1,647	1,787	2 Garage Door Replacement 106,605
Mechanical Plan Check	1,941	2,106	3 Temperature Controls Modifications 91,840
Electrical Plan Check	1,165	1,264	4 Heating & Ventilation Units & Duct 67,375
Civil Plan Check	1,412	1,532	5 Package Rooftop Units 53,545
ADA Plan Check	0	0	6 Exhaust Fans 47,175
Fire Marshal Plan Check	1,958	2,124	7 Electrical Modifications 23,290
Code Compliance Plan Check	0	0	8 Test, Balance, & Commissioning 10,765
Constructability Plan Check	0	0	9 Crane/rigging 7,500
CMAR Pre-Construction Services	0	0	10 Demolition 6,800
PWD Project Mgmt & Inspection	66,099	66,099	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	149,249	163,237	Total 548,341
Allowances:			
Construction Costs			
Construction	647,042	761,714	1 Occupied Facility (18%) 98,701
Construction Contingency	97,056	114,257	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	744,098	875,971	Total 647,042
Miscellaneous			
Advertising	1,295	1,525	
Printing	447	526	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,742	2,051	
Total Project Cost	895,089	1,041,259	

Project No: M18 **Title:** HVAC System Renovation (Combined Support Maintenance Shop)

Agency: Nevada Army National Guard

Location: Carson City

Detail Description:

This project will design and construct the replacement of roof top units, heaters/ventilators, and makeup air units at the (Combined Support Maintenance Shop (CMS) Building).

Project Justification:

Portions of the proposed equipment are 30 years old and near the end of its service life.

Background Information:

The CSMS Building is 41,619 square feet and was constructed in 1992.

Project No: M19 **Title:** Repair Freight Elevator (Nevada State Museum, Las Vegas)

Description: Replace the damaged hydraulic shaft in the freight elevator to return the elevator to a safe and operable condition.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** WJL

State: 143,017
Agency: 0
Federal: 0
Other: 0
Total: 143,017

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 200 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	9,876	11,307	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	Construction Cost Detail:
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	3,650	3,906	
Constructability Plan Check	2,500	2,675	
CMAR Pre-Construction Services	0	0	1 Elevator Hydraulic Shaft 55,000
PWD Project Mgmt & Inspection	9,580	9,580	2 Electrical & Fire Life Safety 23,500
3rd Party Commissioning	0	0	3 Demolition & Shoring 8,500
FF&E Design Fee	0	0	Total 87,000
Subtotal	25,606	27,468	Total 87,000
Construction Costs			
Construction	87,000	99,606	
Construction Contingency	13,050	14,941	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	100,050	114,547	
Miscellaneous			
Advertising	650	745	
Printing	224	257	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	874	1,002	
Total Project Cost	126,530	143,017	

Project No: M19 **Title:** Repair Freight Elevator (Nevada State Museum, Las Vegas)

Agency: Museums and History

Location: Las Vegas

Detail Description:

This project will design and construct repairs to the freight elevator at the Nevada State Museum. The scope of work includes the repair/ replacement of the existing bent and damaged components to ensure the safe and operable functioning of the existing freight elevator.

Project Justification:

It is necessary to replace the drive components in the existing elevator to provide a safer and more dependable freight elevator.

Background Information:

The existing freight elevator has a bent hydraulic shaft and is leaking fluids. This is the original freight elevator and has not been replaced since installation in 2009.

Project No: M20 **Title:** Depot Building Foundation Stabilization (East Ely Railroad Museum)

Description: Provide foundation stabilization of the East Ely Depot building.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: RR_Mus **Project Mgr:** KEN

State: 821,347
Agency: 0
Federal: 0
Other: 0
Total: 821,347

Project Group: Labs, Medical or Museums **Building Area:** 8,600 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Ely **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	61,857	70,820	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	20,000	21,400	Construction Cost Detail:
Materials Testing Services	5,637	6,453	
Structural Plan Check	1,420	1,519	1 Shoring 350,000
Mechanical Plan Check	0	0	Total 350,000
Electrical Plan Check	0	0	Allowances:
Civil Plan Check	0	0	
ADA Plan Check	0	0	1 Remote Site (20%) 70,000
Fire Marshal Plan Check	0	0	Total 70,000
Code Compliance Plan Check	0	0	Total 420,000
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	48,465	48,465	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Historic Evaluation	28,000	32,057	
Structural Evaluation	50,000	57,245	
Subtotal	215,379	237,959	
Construction Costs			
Construction	420,000	480,858	
Construction Contingency	63,000	72,129	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	25,000	28,623	
Subtotal	508,000	581,610	
Miscellaneous			
Advertising	1,155	1,322	
Printing	398	456	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,553	1,778	
Total Project Cost	724,932	821,347	

Project No: M20 **Title:** Depot Building Foundation Stabilization (East Ely Railroad Museum)

Agency: Railroad Museum

Location: Ely

Detail Description:

This project will design and construct shoring that addresses structural deficiencies related to the deterioration of the sandstone walls below grade.

Project Justification:

The first story walls are constructed using unreinforced sandstone blocks, and the building was constructed prior to the adoption of seismic codes. Where the sandstone blocks extend below grade, the sandstone has deteriorated over the life of the building.

Background Information:

The East Ely Railroad Depot building was constructed in 1907 and served as the transportation center of eastern Nevada until the 1960's. The building remained as the administrative offices of the Northern Nevada Railway until it closed in 1983. The building was given to the State of Nevada to establish a museum in 1990. One year later, the State opened a Museum showcasing the remarkable industrial heritage of eastern Nevada in the facility and it currently serves as a museum and the focal point of the East Ely Railroad Depot site. The structure is listed as a National Landmark.

Project No: M21 **Title:** Site Drainage Improvements (Las Vegas Readiness Center)

Description: This project is the continuation of 23-A006 and will construct a drainage channel, box culvert, and parking area at the Las Vegas Readiness Center.

Funding Summary

Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** AFS

State: 969,411
Agency: 0
Federal: 0
Other: 0
Total: 969,411

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	90,944	104,122	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	25,995	29,762		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	87,610	87,610		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	204,549	221,494		
Construction Costs				
Construction	566,160	648,197		Construction Cost Detail: 1 Box Culvert 8' X 4' (530 lf@ \$800/lf) 424,000 2 Concrete Head Wall (70 cy@ \$165/cy) 11,550 3 Import & Compact Fill (385 cy@ \$30/cy) 11,550 4 Gravel Cover (350 cy@ \$50/cy) 17,500 5 Finish Grade (7,200 sf@ \$1/sf) 7,200 <hr/> Total 471,800 Allowances: 1 Occupied Facility (20%) 94,360 <hr/> Total 94,360 <hr/> Total 566,160
Construction Contingency	84,924	97,229		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	651,084	745,426		
Miscellaneous				
Advertising	1,618	1,852		
Printing	558	639		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,176	2,491		
Total Project Cost	857,809	969,411		

Project No: M21 **Title:** Site Drainage Improvements (Las Vegas Readiness Center)

Agency: Nevada Army National Guard

Location: Las Vegas

Detail Description:

This project will construct an alternate drainage method to the current water conveyance channel, in order to utilize the space that the drainage channel occupies for vehicle travel and parking. The project includes replacement of open channel with box culvert and headwalls, grading and gravel cover.

Project Justification:

The current drainage channel divides the property, creating a mote and island for buildings and vehicles. The portion of land identified by this project is unusable as it is currently configured. A site drainage study has been completed and includes water flow modeling.

Background Information:

The Las Vegas Readiness Center site is located in southwest Las Vegas and consists of 6 structures; the Readiness Center, the Field Maintenance Shop, the Military Storage Building, the Hazardous Materials Storage Building and 2 parking structures. The site has paved access roads and paved parking including ADA accessible parking stalls. The site utilities include natural gas, city water, and city sewer services.

Project No: M22 **Title:** Seismic Replacement of Raised Server Room Floor (Department of Motor Vehicles, Carson City)

Description: Replace non-seismic rated server room raised floor system at the Carson City Department of Motor Vehicles Computer Facility.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** JGA

State: 0
Agency: 321,327
Federal: 0
Other: 0
Total: 321,327

Project Group: Offices or Dorms **Building Area:** 10,255 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	20,658	24,319	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	2,130	2,508	1 Replace Raised Floor System (1,175 sf@ \$100/sf) 117,500
Structural Plan Check	980	1,063	2 Temporary Server Rack Supports (10 @ \$2,250/ea) 22,500
Mechanical Plan Check	0	0	Total 140,000
Electrical Plan Check	750	814	Allowances:
Civil Plan Check	0	0	1 Occupied Facility (20%) 28,000
ADA Plan Check	0	0	2 Phased Construction (20%) 28,000
Fire Marshal Plan Check	0	0	Total 56,000
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	Total 196,000
PWD Project Mgmt & Inspection	20,038	20,038	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	5,000	5,886	
Subtotal	49,556	54,628	
Construction Costs			
Construction	196,000	230,736	
Construction Contingency	29,400	34,610	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	225,400	265,346	
Miscellaneous			
Advertising	854	1,006	
Printing	295	347	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,149	1,353	
Total Project Cost	276,105	321,327	

Project No: M22 **Title:** Seismic Replacement of Raised Server Room Floor (Department of Motor Vehicles, Carson City)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct a seismic rated raised server room floor at the Carson City Department of Motor Vehicles (DMV) Computer Facility. This project will also provide temporary relocation and support of existing server racks to maintain operations during construction.

If this project requires escort services, then expense will need to be included in the Department of Motor Vehicles operating budget.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The raised flooring is approximately 25 years old, has reached the end of its useful life, and does not meet minimum seismic requirements for supporting the server room equipment currently installed. The DMV Computer Facility provides network communications to all Nevada DMV facilities and an outage due to the failure of the raised floor system would interrupt business at all connected facilities statewide.

Background Information:

The DMV Computer Facility is 10,255 square feet and was constructed in 1998.

Project No: M23 **Title:** Central Plant Replacement (Department of Motor Vehicles, Decatur)

Description: Replace central plant heating water and chilled water equipment and piping.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** GCE

State: 0
Agency: 1,500,870
Federal: 0
Other: 0
Total: 1,500,870

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	85,637	98,046	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Chilled Water Plant Equipment 351,360
Structural Plan Check	0	0	2 Chilled Water Pumps & Piping 179,784
Mechanical Plan Check	5,182	5,545	3 Temperature Control Modifications 173,520
Electrical Plan Check	2,387	2,554	4 Boiler Plant Equipment 59,789
Civil Plan Check	0	0	5 Heating Water Pumps & Piping 51,394
ADA Plan Check	0	0	6 Demolition of Equipment & Piping 34,171
Fire Marshal Plan Check	0	0	7 Testing, Balancing & Commissioning 22,320
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	Total 872,338
PWD Project Mgmt & Inspection	83,068	83,068	Allowances:
3rd Party Commissioning	0	0	1 Occupied Facility (14%) 122,127
FF&E Design Fee	0	0	Total 122,127
Subtotal	176,274	189,213	Total 994,465
Construction Costs			
Construction	994,465	1,138,563	
Construction Contingency	149,170	170,784	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	1,143,635	1,309,347	
Miscellaneous			
Advertising	1,500	1,718	
Printing	517	592	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,017	2,310	
Total Project Cost	1,321,926	1,500,870	

Project No: M23 **Title:** Central Plant Replacement (Department of Motor Vehicles, Decatur)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct the replacement of the existing central plant heating and cooling equipment at the Decatur Department of Motor Vehicles. This project will include replacing the existing chillers, boilers, cooling towers, plate and frame heat exchanger, pumps, piping, and related controls.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The existing central plant at the Decatur DMV is approximately 16 years old and is nearing the end of its useful service life. The equipment replacement will increase the system efficiency, reliability, and provide operational cost savings.

Background Information:

This Decatur DMV was built in 2006 and is 23,568 square-feet.

Project No: M24 **Title:** Boiler Plant Renovation (Regional Medical Facility, Northern Nevada Correctional Center)

Description: Replace boilers, water heater, pumps, piping, and associated temperature controls at the Regional Medical Facility in Carson City

Funding Summary

Department: NDOC **Division:** Correctional
Agency: NNCC **Project Mgr:** BJB

State: 1,212,846
Agency: 0
Federal: 0
Other: 0
Total: 1,212,846

Project Group: Armory, Military or Prisons **Building Area:** 61,138 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	80,415	94,666	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	2,291	2,486		
Electrical Plan Check	1,375	1,491		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	78,097	78,097		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	162,178	176,740		
Construction Costs				
Construction	763,723	899,074		Construction Cost Detail: 1 Temperature Controls Modifications 203,285 2 Boiler Plant Equipment 175,659 3 Water Heaters & Tempering Valves 91,908 4 Heating Water Pumps & Piping 87,547 5 Testing & Commissioning 32,947 6 Electrical Modifications 20,125 7 Demolition of Equip, Duct, & Pipe 16,152 8 Temporary Domestic Hot Water 15,000 9 Crane/rigging 4,600 <hr/> Total 647,223 Allowances: 1 Secure Facility Allowance (18%) 116,500 <hr/> Total 116,500 <hr/> Total 763,723
Construction Contingency	114,558	134,861		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	878,281	1,033,935		
Miscellaneous				
Advertising	1,371	1,614		
Printing	473	557		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,844	2,171		
Total Project Cost	1,042,303	1,212,846		

Project No: M24 **Title:** Boiler Plant Renovation (Regional Medical Facility, Northern Nevada Correctional Center)

Agency: Northern Nevada Correctional Center

Location: Carson City

Detail Description:

This project will design and construct replacement of boilers, water heater, pumps, piping, and associated temperature controls.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The heating equipment is original to the building (approximately 29 years old) and is past its useful life. It is becoming difficult to source replacement parts for the existing boilers.

Background Information:

The Regional Medical Facility was constructed in 1993 and is located on the Northern Nevada Correctional Center site. The facility's primary purpose is to handle inmate medical conditions throughout the State of Nevada's Correctional Facilities. It also serves as the trauma center, infectious disease treatment and isolation facility, and houses terminally ill inmates. It has a fire alarm and sprinkler system and also is mostly ADA accessible. This facility has a stand alone generator and HVAC system.

Project No: M25 **Title:** Replace Door Access Controls and Security System (Department of Motor Vehicles, Decatur)

Description: Replace door access controls, panic buttons and security system at Decatur DMV.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** JKF

State: 0
Agency: 925,434
Federal: 0
Other: 0
Total: 925,434

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 23,568 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	52,818	60,471	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	4,452	4,763	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	51,233	51,233	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	108,503	116,467	
Construction Costs			
Construction	612,934	701,748	
Construction Contingency	91,940	105,262	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	704,874	807,010	
Miscellaneous			
Advertising	1,271	1,455	
Printing	438	502	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,709	1,957	
Total Project Cost	815,086	925,434	

Project No: M25 **Title:** Replace Door Access Controls and Security System (Department of Motor Vehicles, Decatur)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct replacement of door access controls, panic buttons and security system at Decatur DMV.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The existing security system is original to the building which is 16 years old and past its useful life. The door lock system is antiquated and does not provide secure access to certain areas. A new modern card access system would allow limited access to areas on the site, as there is no security system in place at the vehicle inspection building.

Background Information:

The North Decatur DMV Services Center is 23,568 square-feet and was constructed in 2006.

Project No: M26 **Title:** Chilled and Hot Water Building Piping Renovation (Lovelock Correctional Center)

Description: Replace chilled and hot water piping, pumps, control valves, and associated temperature controls in several buildings at Lovelock Correctional Center.

Funding Summary	
State:	3,576,991
Agency:	0
Federal:	0
Other:	0
Total:	3,576,991

Department: NDOC **Division:** Correctional
Agency: LCC **Project Mgr:** TJD

Project Group: Armory, Military or Prisons	Building Area: 0 gsf
Project Type: Rehab	Months To Construction: 24
Project Site: Remote	Const. Annual Inflation Rate: 8.50%
Location: Lovelock	Total Inflation: 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	279,736	329,313	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	28,630	33,705	
Structural Plan Check	0	0	
Mechanical Plan Check	4,254	4,616	
Electrical Plan Check	3,352	3,637	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	150,870	150,870	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	466,842	522,141	
Construction Costs			
Construction	2,254,189	2,653,688	
Construction Contingency	338,128	398,053	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	2,592,317	3,051,741	
Miscellaneous			
Advertising	1,964	2,312	
Printing	677	797	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,641	3,109	
Total Project Cost	3,061,800	3,576,991	

Construction Cost Detail:		
1	Temperature Controls Modifications	531,743
2	Heating Water Piping Modifications	510,151
3	Chilled Water Piping Modifications	402,097
4	Demolition of Equip, Duct, Pipe	195,960
5	Testing & Commissioning	149,040
6	Electrical Modifications	89,500
Total		1,878,491
Allowances:		
1	Remote Site (10%)	187,849
2	Secure Facility Allowance (10%)	187,849
Total		375,698
Total		2,254,189

Project No: M26 **Title:** Chilled and Hot Water Building Piping Renovation (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project will design and construct replacement of hot and chilled water piping, pumps, control valves, and associated temperature controls in several buildings at Lovelock Correctional Center .

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The piping, pumps, and temperature control valves are original to the buildings (approximately 24 to 35 years old). The pumps are difficult to access and the pumps and temperature control valves are at the end of their service life. Additionally, this work will allow for variable volume distribution of hot and chilled water to the site, by removing the tertiary piping bridges and installing 2-way temperature control valves at air handling units and terminal units. Variable-volume distribution of hot and chilled water represents a large potential for energy savings. The means to distribute hot and chilled water using variable-speed pumps was installed with the recent hot and chilled water plant projects at the site.

Background Information:

The Lovelock Correctional Center (LCC) is located off of Interstate 80, approximately 5 miles North of Lovelock, Nevada. It is a very well maintained facility consisting of approximately 640 acres of which approximately 100 acres is developed and maintained. The site has approximately 400,000 square feet of building space. It was constructed in two phases. The first was completed in 1993 and the second in 1997. This site houses an average of 1,600 inmates. There is a large paved parking area with designated ADA accessible parking for employees and the public, a paved access road to the maintenance and shipping area buildings, and an access road which circles the facility. There are also two large settling ponds and a sewage grinder on site.

Project No: M27 **Title:** HVAC Systems Renovation (Multi-Purpose Building, Warm Springs Correctional Center)

Description: Replace package rooftop units and add make-up air unit to the Multi-Purpose Building at the Warm Springs Correctional Center in Carson City.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: WSCC **Project Mgr:** BJB

State: 903,742
Agency: 0
Federal: 0
Other: 0
Total: 903,742

Project Group: Armory, Military or Prisons **Building Area:** 21,600 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Temperature Controls Modifications 97,375 2 Package Rooftop Units 61,180 3 Kitchen Ventilation Unit 59,350 4 Air Distribution & Ductwork 48,880 5 Electrical Modifications 46,900 6 Demolition of Equipment & Ductwork 36,050 7 Testing, Balancing & Commissioning 23,200 8 Crane/rigging 20,725 <hr/> Total 393,660 Allowances: 1 Secure Facility Allowance (20%) 78,732 2 Occupied Facility (20%) 78,732 <hr/> Total 157,464 Total 551,124
A/E Design & Supervision	58,051	68,340	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	5,885	6,928	
Structural Plan Check	1,551	1,683	
Mechanical Plan Check	1,653	1,794	
Electrical Plan Check	992	1,076	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	1,731	1,878	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	56,310	56,310	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	126,173	138,009	
Construction Costs			
Construction	551,124	648,797	
Construction Contingency	82,669	97,320	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	15,000	17,658	
Subtotal	648,793	763,775	
Miscellaneous			
Advertising	1,237	1,456	
Printing	426	502	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,663	1,958	
Total Project Cost	776,629	903,742	

Project No: M27 **Title:** HVAC Systems Renovation (Multi-Purpose Building, Warm Springs Correctional Center)

Agency: Warm Springs Correctional Center

Location: Carson City

Detail Description:

This project will design and construct the replacement of package rooftop units and add a make-up air unit at the multi-purpose building (Culinary/Infirmary Building) at the Warm Springs Correctional Center in Carson City. This project also includes the installation of a temperature control system to control the equipment.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

This equipment is over 30 years old and is at the end of its useful life. The equipment contains R-22 refrigerant which is no longer manufactured in, or imported to the United States.

Background Information:

The Multi-Purpose/Culinary/Infirmary Building is 21,600 square-feet and was constructed in 1980.

Project No: M28 **Title:** Replace Surveillance Cameras, Door Access Controls and Security System (Department of Motor Vehicles, Flamingo)

Description: Replace surveillance cameras, door Access controls, and security system at Flamingo DMV.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** JKF

State: 0
Agency: 2,224,781
Federal: 0
Other: 0
Total: 2,224,781

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 31,800 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	128,226	146,806	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	6,490	6,945		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	106,157	106,157		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	240,873	259,908		
Construction Costs				
Construction	1,490,335	1,706,285		Construction Cost Detail: 1 Interior Fixed Cameras (112 @ \$4,500/ea) 504,000 2 Replace Intrusion Alarm & Keypads (31,800 sf@ \$8.25/sf) 262,350 3 Exterior Fixed Cameras (35 @ \$5,400/ea) 189,000 4 Replace Panic Buttons (55 @ \$2,000/ea) 110,000 5 Door Access Controls (17 @ \$6,000/ea) 102,000 6 Security Software Licensing 75,000 7 Camera Licensing Software 75,000 8 Conduit & Cabling (1,250 lf@ \$30/lf) 37,500 Total 1,354,850 Allowances: 1 Occupied Facility (10%) 135,485 Total 135,485 Total 1,490,335
Construction Contingency	223,550	255,943		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	1,713,885	1,962,228		
Miscellaneous				
Advertising	1,718	1,967		
Printing	592	678		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,310	2,645		
Total Project Cost	1,957,068	2,224,781		

Project No: M28 **Title:** Replace Surveillance Cameras, Door Access Controls and Security System (Department of Motor Vehicles, Flamingo)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will design and construct replacement of surveillance cameras, door access controls, and security system at the Flamingo DMV.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The existing camera system has limited coverage and is unreliable. The door lock system is antiquated and does not provide secure access to certain areas. A new modern card access system will allow secure access to areas on the site, as there is no security system in place at the vehicle inspection building or warehouse building.

Background Information:

The Flamingo DMV is 31,800 square-feet and was constructed in 1995.

Project No: M29 **Title:** Electrical Service Upgrade (Southern Desert Correctional Center)

Description: Remove backup generator, electrical service and meter and place housing Units 11 and 12 on existing campus power system at Southern Desert Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: SDCC **Project Mgr:** JKF

State: 1,303,647
Agency: 0
Federal: 0
Other: 0
Total: 1,303,647

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	97,850	112,029	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	9,889	11,322		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	1,343	1,437		
Civil Plan Check	1,521	1,627		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	82,500	82,500		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Utility Study - Electrical	25,000	28,623		
Permit Fees - NV Energy	15,000	17,174		
Subtotal	233,103	254,711		
Construction Costs				
Construction	746,135	854,250	<p>Construction Cost Detail:</p> <p>1 Medium Voltage Cable (1,105 lf@ \$194/lf) 214,370</p> <p>2 Medium Voltage Transformer 133,000</p> <p>3 Trenching, Conduit & Backfill (1,015 lf@ \$108/lf) 109,620</p> <p>4 Precast Pullbox 37,350</p> <p>5 Electrical Coordination Study 25,525</p> <p>5 Fuses at Switch 14,400</p> <p>6 Generator & Switchboard Removal (2 @ \$7,182/ea) 14,364</p> <hr/> <p>Total 548,629</p> <p>Allowances:</p> <p>1 Remote Site (18%) 98,753</p> <p>2 Secure Facility Allowance (18%) 98,753</p> <hr/> <p>Total 197,506</p> <hr/> <p>Total 746,135</p>	
Construction Contingency	111,920	128,137		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	56,250	64,401		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	914,305	1,046,788		
Miscellaneous				
Advertising	1,395	1,597		
Printing	481	551		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,876	2,148		
Total Project Cost	1,149,284	1,303,647		

Project No: M29 **Title:** Electrical Service Upgrade (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

This project will design and construct removal of the backup generator, electrical service and meter, and place Housing Units 11 and 12 on the loop power system at the Southern Desert Correctional Center (SDCC). The loop power system is backed up with multiple emergency generators, and this secondary generator can be removed.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The Housing Units 11 and 12 are fed power from NV Energy, which costs the facility approximately \$5,000 per month in meter fees. By moving the power to the existing loop power system, the agency can save on the meter fees and maintenance on the emergency generator and additional electrical equipment.

Background Information:

The SDCC Housing Units 11 and 12 are 23,780 square-feet each and were constructed in 2008. When Housing Units 11 and 12 were built, the existing loop power system could not accommodate the additional loads of the new housing units. The loop power system was upgraded under project 13-M07, which can now accommodate the Housing Units 11 and 12.

Project No: M30 **Title:** Replace Comfort Station #4 (Sand Harbor State Park)

Description: Remove and replace the comfort station at Sand Harbor, Lake Tahoe Nevada State Parks.

Funding Summary

Department: CNR **Division:** Parks
Agency: Parks **Project Mgr:** TJD

State: 1,178,650
Agency: 750,000
Federal: 0
Other: 0
Total: 1,928,650

Project Group: Offices or Dorms **Building Area:** 1,100 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lake Tahoe/Sand Harbor **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
A/E Design & Supervision	150,387	172,178	
Surveys	7,500	8,025	
Soils Analysis	10,000	10,700	
Materials Testing Services	15,439	17,676	
Structural Plan Check	2,072	2,217	
Mechanical Plan Check	3,181	3,404	
Electrical Plan Check	2,126	2,274	
Civil Plan Check	1,854	1,984	
ADA Plan Check	3,027	3,239	
Fire Marshal Plan Check	3,089	3,306	
Code Compliance Plan Check	4,048	4,331	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	109,055	109,055	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Historic Evaluation	5,000	5,725	
Permit Fees - TRPA & NDEP	13,800	15,800	
Subtotal	330,578	359,913	
Construction Costs			
Construction	1,180,905	1,352,018	
Construction Contingency	177,136	202,803	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	10,000	11,449	
Subtotal	1,368,041	1,566,270	
Miscellaneous			
Advertising	1,602	1,834	
Printing	552	633	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,154	2,467	
Total Project Cost	1,700,773	1,928,650	

Project No: M30 Title: Replace Comfort Station #4 (Sand Harbor State Park)

Agency: Nevada Division of State Parks

Location: Lake Tahoe/Sand Harbor

Detail Description:

This project will design and construct the replacement of comfort station #4 at Sand Harbor Lake Tahoe Nevada State Parks. This is one of three remaining older comfort stations with multi-user "Men's" and "Women's" stalls. The replacement comfort station will be unisex, ADA compliant, premanufactured, and of the same style and appearance as the other comfort stations replaced in 2016. This comfort station is heavily used by park visitors and will be one of the largest with up to 12 individual, single-user toilet stalls.

Funding Description:

\$750,000 Lake Tahoe EIP funds through Nevada State Lands.

Project Justification:

The comfort station is over 50 years old and nearing the end of its service life requiring regular water fixture repair and replacement. The toilets are deteriorating and only a limited number meet the current ADA standards. The shower stalls in this building were removed and converted to restroom stalls in 2015, however visitor demand still exceeds the capacity. This comfort station is one of the most heavily used in the Nevada State Parks system and centrally located in Sand Harbor State Park, serving a large portion of park visitors during the day and Shakespeare Festival attendees in the summer evenings.

Background Information:

Comfort Station #4 is 1,250 square-feet and was constructed in 1970.

Project No: M31 **Title:** Replace Comfort Stations #5 and #6 (Sand Harbor State Park)

Description: Replace Comfort Stations #5 and #6 with prefabricated restrooms at the Sand Harbor State Park, Lake Tahoe.

Funding Summary

Department: CNR **Division:** Parks
Agency: Parks **Project Mgr:** TJD

State: 1,997,316
Agency: 0
Federal: 0
Other: 0
Total: 1,997,316

Project Group: Offices or Dorms **Building Area:** 900 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lake Tahoe/Sand Harbor **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	154,708	177,126	
Surveys	12,000	12,840	
Soils Analysis	12,000	12,840	
Materials Testing Services	15,890	18,193	
Structural Plan Check	2,087	2,233	
Mechanical Plan Check	3,217	3,442	
Electrical Plan Check	2,190	2,343	
Civil Plan Check	1,865	1,996	
ADA Plan Check	3,033	3,245	
Fire Marshal Plan Check	3,148	3,369	
Code Compliance Plan Check	4,127	4,416	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	117,862	117,862	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Historic Evaluation	5,000	5,725	
Permit Fees - TRPA & NDEP	13,800	15,800	
Subtotal	350,927	381,429	
Construction Costs			
Construction	1,216,694	1,392,993	
Construction Contingency	182,504	208,949	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	10,000	11,449	
Subtotal	1,409,198	1,613,391	
Miscellaneous			
Advertising	1,621	1,856	
Printing	559	640	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,180	2,496	
Total Project Cost	1,762,305	1,997,316	

Project No: M31 Title: Replace Comfort Stations #5 and #6 (Sand Harbor State Park)

Agency: Nevada Division of State Parks

Location: Lake Tahoe/Sand Harbor

Detail Description:

This project will design and construct replacement of Comfort Stations #5 and #6 at the Sand Harbor State Park with prefabricated restroom facilities. The work will include demolition of the existing buildings, installation of foundations, erection of the prefabricated structure, connection to site utilities, restoring sidewalk access, and landscaping. Each comfort station will have 4 private toilet stalls with hand washing stations. Temporary portable restroom facilities would be provided during the construction of new restroom facilities.

Project Justification:

These comfort stations are the two remaining restroom buildings at Sand Harbor that have not been renovated or replaced and require significant maintenance resources each year due to their deteriorating conditions. The comfort stations were constructed in 1970 and do not meet the requirements of the Americans with Disabilities Act. If at any time during the peak season one of the stations becomes unusable it overburdens the remainder of restrooms and creates sanitation issues.

Background Information:

The existing comfort stations are wood framed construction and were built in 1970. The phased replacement would address the last 2 out of 8 comfort stations that were/are all in need of replacement. State Parks acquired EIP and Q1 funding to rehabilitate Comfort Station #4 and to replace Comfort Stations #1, 2, 3, 7 & 8 in 2015. This project was first requested in 2013.

Project No: M32 **Title:** Wastewater System Improvements (Lovelock Correctional Center)

Description: This project is a continuation of 21-P07 and will construct wastewater system improvements at the Lovelock Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: LCC **Project Mgr:** AFS

State: 10,652,825
Agency: 0
Federal: 0
Other: 0
Total: 10,652,825

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lovelock **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	240,425	283,035	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	170,279	200,457	1 Aeration 756,000
Structural Plan Check	0	0	2 Install Pond Liner 705,500
Mechanical Plan Check	0	0	3 Headworks Improvements 970,831
Electrical Plan Check	0	0	4 Pond Expansion 660,045
Civil Plan Check	0	0	5 Sludge Removal & Disposal 502,250
ADA Plan Check	0	0	6 Install Fence 445,000
Fire Marshal Plan Check	0	0	7 Pond Liner Removal & Disposal 397,000
Code Compliance Plan Check	0	0	8 Basin Rehabilitation 364,000
Constructability Plan Check	0	0	9 Pump Station Improvements 1,116,741
CMAR Pre-Construction Services	0	0	10 Monitoring Wells 299,900
PWD Project Mgmt & Inspection	287,772	287,772	11 Dewatering 407,400
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Permit Fees - NDEP	10,000	11,772	
Subtotal	708,476	783,036	Total 6,624,667
Construction Costs			
Allowances:			
Construction	7,287,134	8,578,596	1 Remote Site (10%) 662,467
Construction Contingency	1,093,070	1,286,789	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	8,380,204	9,865,385	Total 7,287,134
Miscellaneous			
Advertising	2,782	3,275	
Printing	959	1,129	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	3,741	4,404	
Total Project Cost	9,092,421	10,652,825	

Project No: M32 **Title:** Wastewater System Improvements (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project will construct improvements to the wastewater treatment facility at the Lovelock Correctional Center. It includes headworks, pump station, basin improvements, monitoring wells fencing, and dewatering.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The current wastewater treatment facility is discharging treated wastewater that does not comply with the discharge permit. The current facility is not capable of producing the required quality of discharge water. Upgrades to the treatment system are necessary for proper wastewater treatment.

Background Information:

Lovelock Correctional Center was constructed in 1993 and is located 8 miles north of Lovelock. Phase II was funded from 95-C1 and constructed in 1997. Lovelock Correctional Center consists of four bow-tie housing units and two half size bow-tie housing units, core buildings including prison industries, a central plant, and a warehouse.

Project No: M33 **Title:** Rehabilitate Historic Fence and Lighting (State Capitol Plaza)

Description: Provide critical maintenance, repairs and restoration of the historic fence and lighting surrounding the Capitol Building.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** ALB

State: 1,270,366
Agency: 0
Federal: 0
Other: 0
Total: 1,270,366

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	73,716	86,780	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	13,940	16,411	1 Recast Iron Light Fixture & Post (12 @ \$20,854/ea) 250,248
Structural Plan Check	1,655	1,796	2 Prep & Paint Fence (1,310 lf@ \$137/lf) 179,470
Mechanical Plan Check	0	0	3 Fence Panels (48 @ \$1,862/ea) 89,376
Electrical Plan Check	1,179	1,280	4 Arborist 37,740
Civil Plan Check	1,421	1,542	5 Coping Stone (27 @ \$1,127/ea) 30,429
ADA Plan Check	1,966	2,133	6 Electrical Work (12 @ \$2,472/ea) 29,664
Fire Marshal Plan Check	0	0	7 Post Base (12 @ \$1,957/ea) 23,484
Code Compliance Plan Check	0	0	8 Salvage / Replace Components 6,290
Constructability Plan Check	0	0	9 Remove Light Fixture / End Post (12 @ \$413/ea) 4,956
CMAR Pre-Construction Services	0	0	10 Repair Wood Urns (3 @ \$1,210/ea) 3,630
PWD Project Mgmt & Inspection	71,504	71,504	Total 655,287
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Historic Evaluation	43,750	51,504	Total 655,287
Subtotal	209,131	232,950	
Construction Costs			
Construction	655,287	771,420	
Construction Contingency	98,293	115,713	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	125,800	148,095	
Subtotal	879,380	1,035,228	
Miscellaneous			
Advertising	1,382	1,627	
Printing	477	561	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,859	2,188	
Total Project Cost	1,090,370	1,270,366	

Project No: M33 Title: Rehabilitate Historic Fence and Lighting (State Capitol Plaza)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct the Capitol Plaza's fence rehabilitation and perimeter lighting. The scope consists of ironwork repairs, sandstone repairs, fence stabilization, painting and light fixture restoration. This project also includes recasting the end posts to 1875 appearance and recasting and restoring the light extensions to the 1911 design.

Project Justification:

Ironwork support points have rusted and expanded, eroding the stone base, and leaving portions of the fence unsupported. The fence is undulating due to damaged connections caused by impact and vehicular damage, and structural failures due to loss of anchorage. Base stones are fractured, spalling, eroding, and covered with biological growth in places. Previous failed patches are apparent. Corrosion exists throughout on posts, rails and finials. Ground settling/movement has caused upheaval to the sandstone base. The Capitol Fence also exhibits signs of structural instability. The fence panels are not weighted as originally constructed. The new end posts are oversized and add to the instability of the fence. The footings for the light posts are unstable and modern concrete fixes have added to the instability rather than resolving the problem. Concrete is a porous material that absorbs water and has contributed to iron corrosion and structural instability. Various conditions exist with the footings on each of the twelve light posts. To stabilize the lights, a firm connection between the foundation wall and the post base is required.

Background Information:

The restoration work for this project was identified and outlined in the 2015 Capitol Fence HSR (Historic Structure Report). This request is based on an HSR for the Capitol Fence completed in 2015 to serve as a planning tool to guide decisions on preservation and maintenance efforts and to avoid treatments that could damage the structure's integrity. An alternative purpose of the Capitol Fence HSR was to identify, evaluate, and provide treatment recommendations and cost estimates for protecting this historic resource. The Capitol Fence HSR, SPWD Project Number 15-A025, was an agency project funded by the Buildings & Grounds Section of the State Public Works Division. A simple wooden fence enclosed the Plaza in approximately 1870 when the Capitol building was constructed. The ca. 1875 Capitol Iron Fence remains largely intact in its original configuration except for sections, representing roughly twenty percent of total historic fabric, that were removed when the Blasdel building was constructed in 1957 in the northeast corner of the Capitol Plaza. Recent changes to the fence over the past 35 years include replacing the historic cast iron end posts with taller flat stock iron posts with light fixtures, the addition of larger iron backstays, and inappropriate fixes such as welding of railing components and concrete repairs to the sandstone base.

Project No: M34 **Title:** Security Upgrades (Ely Industrial Shop)
Description: Provide shop, office and yard security upgrades with security cameras and barbed wire at Ely Industrial Shop facility.
Department: CNR **Division:** Forestry
Agency: Forestry **Project Mgr:** KEN

Funding Summary	
State:	830,047
Agency:	0
Federal:	0
Other:	0
Total:	830,047

Project Group: Mech/Elect/Struct/Roofing	Building Area:	0	gsf
Project Type: Remodel	Months To Construction:	24	
Project Site: Remote	Const. Annual Inflation Rate:	7.00%	
Location: Ely	Total Inflation:	14.49%	

	2022	2024	Remarks													
Professional Services																
A/E Design & Supervision	65,329	74,795	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.													
Surveys	0	0														
Soils Analysis	0	0														
Materials Testing Services	0	0														
Structural Plan Check	0	0														
Mechanical Plan Check	0	0														
Electrical Plan Check	4,100	4,388														
Civil Plan Check	0	0														
ADA Plan Check	0	0														
Fire Marshal Plan Check	0	0														
Code Compliance Plan Check	0	0														
Constructability Plan Check	0	0														
CMAR Pre-Construction Services	0	0														
PWD Project Mgmt & Inspection	57,618	57,618														
3rd Party Commissioning	0	0														
FF&E Design Fee	0	0														
Subtotal	127,047	136,801														
Construction Costs																
Construction	525,120	601,210		<p>Construction Cost Detail:</p> <table border="1"> <tbody> <tr> <td>1 Security Cameras at Shop & Office</td> <td>207,600</td> </tr> <tr> <td>2 Barbed Wire Top Guard (10,000 lf@ \$20/lf)</td> <td>200,000</td> </tr> <tr> <td>3 Selective Demolition</td> <td>30,000</td> </tr> <tr> <td>Total</td> <td>437,600</td> </tr> </tbody> </table> <p>Allowances:</p> <table border="1"> <tbody> <tr> <td>1 Remote Site (20%)</td> <td>87,520</td> </tr> <tr> <td>Total</td> <td>87,520</td> </tr> </tbody> </table> <p>Total 525,120</p>	1 Security Cameras at Shop & Office	207,600	2 Barbed Wire Top Guard (10,000 lf@ \$20/lf)	200,000	3 Selective Demolition	30,000	Total	437,600	1 Remote Site (20%)	87,520	Total	87,520
1 Security Cameras at Shop & Office	207,600															
2 Barbed Wire Top Guard (10,000 lf@ \$20/lf)	200,000															
3 Selective Demolition	30,000															
Total	437,600															
1 Remote Site (20%)	87,520															
Total	87,520															
Construction Contingency	78,768	90,181														
Green Building Equivalence	0	0														
Utility/Off-Site Costs	0	0														
Utility Connection Fees	0	0														
Data/Telecom Wiring	0	0														
Furnishings and Equipment	0	0														
Roof Maint. Agreement	0	0														
Local Government Requirements	0	0														
Hazardous Material Abatement	0	0														
Subtotal	603,888	691,391														
Miscellaneous																
Advertising	1,205	1,379														
Printing	415	476														
Temporary Facilities	0	0														
Agency Moving Costs	0	0														
Land Purchase	0	0														
Subtotal	1,620	1,855														
Total Project Cost	732,555	830,047														

Project No: M34 **Title:** Security Upgrades (Ely Industrial Shop)

Agency: Nevada Division of Forestry

Location: Ely

Detail Description:

This project will design and construct security upgrades including security cameras at the existing office and the Industrial shop and the addition of three strand barbed wire to the top of the existing perimeter chain link fencing.

Project Justification:

Vandalism and break-ins have occurred necessitating the need for security upgrades at this facility.

Background Information:

This project was previously requested in 2017, 2019, and 2021 CIP.

Project No: M35 **Title:** Direct Digital Control System Upgrade (Lovelock Correctional Center)

Description: Replace existing direct digital control system at the Lovelock Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: LCC **Project Mgr:** TJD

State: 2,772,885
Agency: 0
Federal: 0
Other: 0
Total: 2,772,885

Project Group: Armory, Military or Prisons **Building Area:** 20,000 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lovelock **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	213,109	250,877	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	3,701	4,015	
Electrical Plan Check	3,020	3,277	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	134,344	134,344	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
3rd Party Commissioningg	28,640	33,716	
Subtotal	382,814	426,229	
Construction Costs			
Construction	1,700,831	2,002,261	
Construction Contingency	255,125	300,339	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	10,000	11,772	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	25,000	29,431	
Subtotal	1,990,956	2,343,803	
Miscellaneous			
Advertising	1,802	2,121	
Printing	621	732	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,423	2,853	
Total Project Cost	2,376,193	2,772,885	

Project No: M35 **Title:** Direct Digital Control System Upgrade (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project will design and construct replacement of the existing temperature control system hardware and software at the Lovelock Correctional Center. This project would include replacement of the controls for each building on the campus and connect to the recently renovated central chiller and heating hot water plants completed in SPWD Project 19-M10 and 21-M54.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The existing direct digital control system is more than 20 years old. It is becoming increasingly difficult to manage and/or repair the control system as hardware components and software support become more difficult to obtain.

Background Information:

The Lovelock Correctional Center was constructed in 1993.

Project No: M36 **Title:** Install Emergency Generator (Northern Region 2 Headquarters)

Description: Install emergency generator, automatic transfer switch and concrete pad at the Division of Forestry Northern Region 2 Headquarters.

Funding Summary	
State:	702,448
Agency:	0
Federal:	0
Other:	0
Total:	702,448

Department: CNR **Division:** Forestry
Agency: Forestry **Project Mgr:** JGA

Project Group: Offices or Dorms	Building Area:	5,800	gsf
Project Type: Rehab	Months To Construction:	24	
Project Site: Remote	Const. Annual Inflation Rate:	8.50%	
Location: Elko	Total Inflation:	17.72%	

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	57,765	68,003	
Surveys	5,500	5,968	
Soils Analysis	0	0	
Materials Testing Services	5,569	6,556	
Structural Plan Check	1,415	1,535	
Mechanical Plan Check	0	0	
Electrical Plan Check	750	814	
Civil Plan Check	1,108	1,202	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	49,075	49,075	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	5,000	5,886	
Subtotal	126,182	139,039	
Construction Costs			
Construction	414,862	488,386	
Construction Contingency	62,229	73,258	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	477,091	561,644	
Miscellaneous			
Advertising	1,115	1,312	
Printing	384	453	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,499	1,765	
Total Project Cost	604,772	702,448	

Construction Cost Detail:		
1	Emergency Generator	183,000
2	Electrical Switchgear	35,000
3	Automatic Transfer Switch	23,000
4	Trenching, Conduit & Backfill (210 lf@ \$108/lf)	22,680
5	Electrical Coordination Study	16,500
6	Fenced Enclosure (90 lf@ \$135/lf)	12,150
7	Generator Concrete Pad (10 cy@ \$400/cy)	4,000
Total		296,330
Allowances:		
1	Remote Site (20%)	59,266
2	Occupied Facility (20%)	59,266
Total		118,532
Total		414,862

Project No: M36 **Title:** Install Emergency Generator (Northern Region 2 Headquarters)

Agency: Nevada Division of Forestry

Location: Elko

Detail Description:

This project will design and construct an emergency generator and automatic transfer switch at the Nevada Division of Forestry at the Northern Region 2 Headquarters. Though the final equipment size and capacities would be determined during the formal design phase, for comparative purposes this proposal is based on a 150 kW diesel generator.

Project Justification:

The existing distribution system does not include emergency electrical power for this critical facility. Equipment necessary for support of fire fighting, facility operation, including life safety systems, are inoperable during power outages. Unplanned power outages occur regularly throughout the year warranting the addition of a standby generator.

Background Information:

The NDF Northern Region 2 Office/Garage is 5,084 square-feet and was constructed in 1980.

Project No: M37 **Title:** Chilled Water Central Plant Renovation (Desert Research Institute, Northern Nevada Science Center)

Description: Replace water-cooled chillers, cooling towers, pumps, piping, and associated temperature control system at DRI Northern Nevada Science Center in Reno.

Funding Summary

Department: NSHE **Division:** DRI
Agency: DRI **Project Mgr:** TJD

State: 5,382,593
Agency: 0
Federal: 0
Other: 0
Total: 5,382,593

Project Group: Labs, Medical or Museums **Building Area:** 63,082 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Reno **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	390,272	446,822	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0	Construction Cost Detail:	
Materials Testing Services	0	0		1 Chilled Water Plant Equipment 1,188,180
Structural Plan Check	2,995	3,204		2 Chilled Water Pumps & Piping 459,868
Mechanical Plan Check	5,487	5,871		3 Temperature Controls Modifications 458,022
Electrical Plan Check	4,092	4,378		4 Architectural Modifications 207,000
Civil Plan Check	0	0		5 Electrical Modifications 129,375
ADA Plan Check	0	0		6 Temporary Chiller Rental 120,000
Fire Marshal Plan Check	0	0		7 Demolition of Equip, Duct, & Pipe 105,928
Code Compliance Plan Check	9,121	9,759		8 Testing & Commissioning 101,471
Constructability Plan Check	0	0		9 Air Distribution & Ductwork 28,255
CMAR Pre-Construction Services	0	0		10 Crane/rigging 58,500
PWD Project Mgmt & Inspection	207,359	207,359		11 Exhaust Fans 25,041
3rd Party Commissioning	82,007	93,889	12 Fan Coil Units 23,920	
FF&E Design Fee	0	0		
Structural Evaluation	15,000	17,174		
Subtotal	716,333	788,456	Total 2,905,560	
Construction Costs				
Construction	3,486,672	3,991,891	Allowances:	
Construction Contingency	523,001	598,784		1 Occupied Facility (10%) 290,556
Green Building Equivalence	0	0	2 Phased Construction (10%) 290,556	
Utility/Off-Site Costs	0	0	Total 581,112	
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0	Total 3,486,672	
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	4,009,673	4,590,675		
Miscellaneous				
Advertising	2,248	2,574		
Printing	775	888		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	3,023	3,462		
Total Project Cost	4,729,029	5,382,593		

Project No: M37 **Title:** Chilled Water Central Plant Renovation (Desert Research Institute, Northern Nevada Science Center)

Agency: Desert Research Institute

Location: Reno

Detail Description:

This project will design and construct replacement of water-cooled chillers, cooling towers, pumps, piping, and associated temperature control system at Desert Research Institute's Northern Nevada Science Center on its Reno Campus.

Project Justification:

The chilled water plant equipment is approximately 23 years old and is past its service life . The chillers experience frequent failures and replacement parts are becoming increasingly difficult to source. Failure of the chilled water plant could compromise grant and taxpayer funded experiments and force building closure while emergency replacement equipment is located.

Background Information:

The Northern Nevada Science Center was constructed in 1999 and has 63,082 square-feet; the system also serves three other adjoining campus buildings – the total area served is 139,975 square-feet.

Project No: M38 **Title:** Culinary Building Plumbing Replacement (Ely State Prison)

Description: This project will replace the plumbing in the crawlspace below the culinary/laundry spaces in Building 10 at the Ely State Prison.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: ESP **Project Mgr:** GCE

State: 3,789,345
Agency: 0
Federal: 0
Other: 0
Total: 3,789,345

Project Group: Armory, Military or Prisons **Building Area:** 48,600 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Ely **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	292,540	334,929	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	4,361	4,666	
Electrical Plan Check	0	0	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	158,246	158,246	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Permit Fees - Health	7,500	8,587	
Subtotal	462,647	506,428	
Construction Costs			
Construction	2,360,650	2,702,708	
Construction Contingency	354,098	405,406	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	2,714,748	3,108,114	
Miscellaneous			
Advertising	1,993	2,281	
Printing	687	787	
Temporary Facilities	150,000	171,735	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	152,680	174,803	
Total Project Cost	3,330,075	3,789,345	

Construction Cost Detail:

1	Flooring Repairs	812,400
2	Waste & Vent Piping	349,920
3	Plumbing Fixtures	241,344
4	Steam & Condensate Piping	223,200
5	Domestic Water Piping	213,408
6	Demolition of Equipment & Piping	92,736
7	Testing, Balancing & Commissioning	18,000
8	Coordination & Seismic	16,200
Total		1,967,208

Allowances:

1	Remote Site (10%)	196,721
2	Secure Facility Allowance (10%)	196,721
Total		393,442

Total **2,360,650**

Project No: M38 **Title:** Culinary Building Plumbing Replacement (Ely State Prison)

Agency: Ely State Prison

Location: Ely

Detail Description:

This project will design and construct replacement of the above ground and crawlspace plumbing for the culinary and laundry areas at Building 10 at Ely State Prison.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The domestic water, steam and sewer piping above and below the culinary space is over 30 years old and is constantly failing. The leaks have created a hazard of standing water in the crawlspace below the kitchen/laundry spaces.

Background Information:

The Building #10 - Work and Recreation is 48,600 square-feet and was constructed in 1987.

Project No: M40 **Title:** Water Controls Replacement (High Desert State Prison)

Description: This project will replace water controls to each inmate cell for housing Units 1 through 12.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: HDSP **Project Mgr:** GCE

State: 7,363,878
Agency: 0
Federal: 0
Other: 0
Total: 7,363,878

Project Group: Armory, Military or Prisons **Building Area:** 562,436 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	591,244	676,916	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Domestic Water Piping 800,000
Structural Plan Check	0	0	2 Plumbing Fixture Control Valves 740,430
Mechanical Plan Check	6,214	6,649	3 Plumbing Fixture Water Controllers 650,000
Electrical Plan Check	4,913	5,257	4 Networking Programming & Software 500,000
Civil Plan Check	0	0	5 Plumbing Control Sensor Buttons 370,944
ADA Plan Check	0	0	6 Testing Balancing & Commissioning 350,000
Fire Marshal Plan Check	0	0	7 Demolition of Piping & Equipment 349,985
Code Compliance Plan Check	0	0	8 Electrical Modifications 240,000
Constructability Plan Check	0	0	9 Plumbing Fixtures 45,216
CMAR Pre-Construction Services	0	0	Total 4,046,575
PWD Project Mgmt & Inspection	277,801	277,801	
3rd Party Commissioning	0	0	Allowances:
FF&E Design Fee	0	0	1 Remote Site (10%) 404,658
Subtotal	880,172	966,623	2 Secure Facility Allowance (10%) 404,658
Construction Costs			
Construction	4,855,891	5,559,510	Total 809,316
Construction Contingency	728,384	833,926	
Green Building Equivalence	0	0	Total 4,855,891
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	5,584,275	6,393,436	
Miscellaneous			
Advertising	2,481	2,840	
Printing	855	979	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	3,336	3,819	
Total Project Cost	6,467,783	7,363,878	

Project No: M40 **Title:** Water Controls Replacement (High Desert State Prison)

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

This project will design and construct addition of domestic water metering controls to inmate Housing Units 1 through 12 at High Desert State Prison.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

Significant water savings will occur. Housing Units 9 through 12 currently do not have any water limiting controls on toilets. Inmates will no longer be able to flood housing units causing a nuisance for the prison. Inmates will no longer be able to flush contraband down toilets when corrections officers search each housing unit. This will get housing units 1-12 water controls under one central system, and allow for quick, remote modifications.

Background Information:

The High Desert State Prison is located 40 miles north of Las Vegas on the west side of Highway 95. It is the largest correctional facility within the Department of Corrections. The complex buildings total approximately 900,000 square-feet of space. The institution opened September 1, 2000 and is the reception unit for Southern Nevada.

Project No: M41 **Title:** Recreation Yard Cages (Northern Nevada Correctional Center)

Description: Install eighteen individual sized recreation cages at Housing Unit 7.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: NNCC **Project Mgr:** MML

State: 2,469,843
Agency: 0
Federal: 0
Other: 0
Total: 2,469,843

Project Group: Armory, Military or Prisons **Building Area:** 3,240 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	163,648	192,650	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	20,000	21,700	
Soils Analysis	8,000	8,680	
Materials Testing Services	16,106	18,961	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	1,978	2,146	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	4,874	5,288	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	110,595	110,595	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	325,201	360,020	
Construction Costs			
Construction	1,556,386	1,832,217	
Construction Contingency	233,458	274,832	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	1,789,844	2,107,049	
Miscellaneous			
Advertising	1,752	2,063	
Printing	604	711	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,356	2,774	
Total Project Cost	2,117,401	2,469,843	

Project No: M41 **Title:** Recreation Yard Cages (Northern Nevada Correctional Center)

Agency: Northern Nevada Correctional Center

Location: Carson City

Detail Description:

This project will design and construct eighteen individual, ADA compliant, recreation yard cages. These yards will replace the existing yards that are not ADA compliant, do not meet the square foot requirements, and do not have an asphalt or concrete slab.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

Individual recreation yard enclosures permit inmates to exercise outside without contacting other inmates.

Background Information:

Northern Nevada Correctional Center is a medium security facility and was originally constructed in the late 1960's and expanded several times. Housing Unit #5 was constructed in 1977 and is 13,641 square-feet.

Project No: M42 **Title:** Upgrade Heating and Air Conditioning (Marjorie Russell Research Center)

Description: Upgrade heating and air conditioning systems at the Marjorie Russell Research Center.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** IHK

State: 269,066
Agency: 0
Federal: 0
Other: 0
Total: 269,066

Project Group: Labs, Medical or Museums **Building Area:** 6,000 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
A/E Design & Supervision	17,584	20,700	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	1,703	2,004	
Structural Plan Check	781	847	
Mechanical Plan Check	750	814	
Electrical Plan Check	750	814	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	17,056	17,056	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Structural Evaluation	2,000	2,354	
Subtotal	40,624	44,589	
Construction Costs			
Construction	156,172	183,850	
Construction Contingency	23,426	27,577	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	10,000	11,772	
Subtotal	189,598	223,199	
Miscellaneous			
Advertising	807	950	
Printing	278	328	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,085	1,278	
Total Project Cost	231,307	269,066	

Project No: M42 **Title:** Upgrade Heating and Air Conditioning (Marjorie Russell Research Center)

Agency: Museums and History

Location: Carson City

Detail Description:

This project will design and construct replacement of heating, ventilating, and air conditioning equipment at the Marjorie Russell Clothing and Textile Research Center in Carson City. The impacted areas of the building are used to store historical clothing and textile collections.

Project Justification:

The existing equipment is more than 25 years old and has reached the end of its useful life.

Background Information:

This building was constructed in 1968, is located at 2351 Arrowhead Drive in Carson City, is approximately 6,000 square-feet, and is open to the public by appointment only.

Project No: M43 **Title:** HVAC System Renovation (Indian Hills Curatorial Center)

Description: Replace the existing heating systems and install air conditioning systems at the Indian Hills Curatorial Center.

Funding Summary

Department: T&CultAffr **Division:** MusHist
Agency: MusHist **Project Mgr:** BJB

State: 1,066,071
Agency: 0
Federal: 0
Other: 0
Total: 1,066,071

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 15,600 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
A/E Design & Supervision	58,015	68,296	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	7,157	8,426	
Structural Plan Check	0	0	
Mechanical Plan Check	4,155	4,508	
Electrical Plan Check	1,616	1,753	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	56,274	56,274	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	127,217	139,257	
Construction Costs			
Construction	673,314	792,642	
Construction Contingency	100,997	118,896	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	11,200	13,185	
Subtotal	785,511	924,723	
Miscellaneous			
Advertising	1,321	1,555	
Printing	455	536	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	1,776	2,091	
Total Project Cost	914,504	1,066,071	

Construction Cost Detail:

1	Architectural Modifications (8,350 sf@ \$45/sf)	375,750
2	Package Rooftop Units	62,100
3	Air Distribution & Ductwork	38,160
4	Electrical Modifications	27,300
5	Roll-up Door	23,815
6	Crane/rigging	12,950
7	Temperature Controls Modifications	10,350
8	Demolition of Equipment & Ductwork	10,350
9	Testing & Commissioning	9,830
Total		570,605
Allowances:		
1	Occupied Facility (18%)	102,709
Total		102,709
Total		673,314

Project No: M43 Title: HVAC System Renovation (Indian Hills Curatorial Center)

Agency: Museums and History

Location: Carson City

Detail Description:

This project will design and construct heating, ventilating, and air conditioning equipment at the Indian Hills Curatorial Center in Carson City. The impacted areas of this building are used to store historical and anthropological collections. The project will also add exterior wall insulation on the existing masonry walls. The project will also replace the existing southeast overhead door.

Project Justification:

The existing equipment (heating and ventilation only) is approximately 30 years old and has reached the end of its useful service life. The southeast overhead door is not insulated and does not seal well. Installation of interior insulation is not practical due to extensive anchored shelving installed on the interior walls necessitating exterior insulation and finishes. New heating, ventilating, and air conditioning equipment is necessary to provide appropriate temperature conditions for the collections stored at this facility (ability to maintain space temperatures at or below 80 degrees in summer and at or above 60 degrees in winter).

Background Information:

This project involves work in the original 12,800 square-foot building constructed in 1980. The storage area is approximately 10,000 square-feet and the office area is approximately 2,800 square-feet. A structural evaluation of the existing roof system is required during design of this project to ensure the feasibility of installing new mechanical equipment on the roof.

Project No: M44 **Title:** Upgrade Perimeter Security Fence (Southern Desert Correctional Center)

Description: This project will upgrade the perimeter security fence with an additional fence and upgrade portions of the existing fence.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: SDCC **Project Mgr:** MML

State: 10,633,595
Agency: 0
Federal: 0
Other: 0
Total: 10,633,595

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Indian Springs **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	832,553	953,190	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Install 14' Perimeter Fence (6,900 lf@ \$431/lf) 2,973,900 2 Reinforce Existing Outside Fence (6,700 lf@ \$139/lf) 931,300 3 Construct No-Dig Footing (13,600 lf@ \$46/lf) 625,600 4 Site Grading (26,100 sf@ \$21/sf) 548,100 5 Remove Perimeter Security Fence (6,700 lf@ \$32/lf) 214,400 6 Construct AC Perimeter Roadway (26,100 sf@ \$7/sf) 182,700 7 Install Light Fixtures (34 @ \$5,000/ea) 170,000 8 Grouted Rip Rap Swale 50,000 9 Remove AC Perimeter Roadway (14,688 sf@ \$3/sf) 44,064 Total 5,740,064 Allowances: 1 Remote Site (10%) 574,006 2 Secure Facility Allowance (10%) 574,006 Total 1,148,012 Total 6,888,076	
Surveys	25,000	26,750		
Soils Analysis	25,000	26,750		
Materials Testing Services	162,661	186,231		
Structural Plan Check	4,072	4,357		
Mechanical Plan Check	0	0		
Electrical Plan Check	6,033	6,455		
Civil Plan Check	3,378	3,614		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	352,938	352,938		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	1,411,635	1,560,285		
Construction Costs				
Construction	6,888,077	7,886,159		
Construction Contingency	1,033,212	1,182,924		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	7,921,289	9,069,083		
Miscellaneous				
Advertising	2,745	3,143		
Printing	947	1,084		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	3,692	4,227		
Total Project Cost	9,336,616	10,633,595		

Project No: M44 **Title:** Upgrade Perimeter Security Fence (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

This project will design and construct an upgrade to the perimeter security fencing at the Southern Desert Correctional Center (SDCC). The scope of work will include perimeter fencing, concertina razor wire including razor wire between the inside and outside perimeter fence, high mast lights, and a new perimeter roadway.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The SDCC perimeter security fence was last upgraded in 2003 with the removal of existing razor wire and the placement of new razor wire. The current fence at SDCC has been reconfigured and pieced together due to expanding facilities and new construction. The current fence configuration is inconsistent with the redesigned facility, and reduces the integrity of the institution's overall security. Due to the irregularities in the fence line, blind spots are present at several locations.

Background Information:

Southern Desert Correctional Center is located 35 miles northwest of Las Vegas outside Indian Springs and was occupied in 1981. SDCC operates as a medium custody correctional center.

Project No: M45 **Title:** HVAC Systems Renovation (Governor's Mansion)
Description: Replace chilled and hot water plants, rooftop units, temperature control system, and associated electrical at the Governor's Mansion and Nevada Room in Carson City.
Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** TJD

Funding Summary	
State:	2,396,252
Agency:	0
Federal:	0
Other:	0
Total:	2,396,252

Project Group: Mech/Elect/Struct/Roofing	Building Area: 0 gsf
Project Type: Rehab	Months To Construction: 24
Project Site: Local	Const. Annual Inflation Rate: 8.50%
Location: Carson City	Total Inflation: 17.72%

	2022	2024	Remarks
Professional Services			All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
A/E Design & Supervision	131,997	155,390	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	15,887	18,703	
Structural Plan Check	0	0	
Mechanical Plan Check	6,227	6,757	
Electrical Plan Check	3,227	3,502	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	120,255	120,255	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	277,593	304,607	
Construction Costs			
Construction	1,534,280	1,806,193	
Construction Contingency	230,142	270,929	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	10,000	11,772	
Subtotal	1,774,422	2,088,894	
Miscellaneous			
Advertising	1,738	2,046	
Printing	599	705	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,337	2,751	
Total Project Cost	2,054,352	2,396,252	

Construction Cost Detail:

1	Temperature Control Modifications	287,100
2	Chilled & Hot Water Equipment	252,500
3	Domestic Water Heating Equipment	220,600
4	Chilled & Hot Water Modifications	150,400
5	Package Rooftop Units	134,550
6	Kitchen Make-up Air Unit	114,400
7	Refrigeration & Food Storage	50,550
8	Demolition	45,300
9	Exhaust Fans	35,200
10	Testing, Balancing & Commissioning	35,100
11	Air Distribution & Ductwork	34,600
12	Electrical Modifications	34,500
Total		1,394,800
Allowances:		
1	Occupied Facility (10%)	139,480
Total		139,480
Total		1,534,280

Project No: M45 **Title:** HVAC Systems Renovation (Governor's Mansion)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct replacement of the chilled and hot water plants, rooftop units, refrigeration equipment, make-up air unit, exhaust fans, temperature control system, and associated electrical at the Governor's Mansion and Nevada Room in Carson City.

Project Justification:

The mechanical systems are between 24 and 33 years old and have reached the end of their service life. The chiller and rooftop units utilize R-22 refrigerant has not been available in the United States since January 1, 2020.

Background Information:

The Governor's Mansion is 9,361 square-feet and was constructed in 1908. The Nevada Room is 6,608 square-feet and was constructed in 1998.

Project No: M46 **Title:** East Slope Transmission Main Upgrade (Marlette Lake Water System)

Description: Replace transmission main from Tunnel Catchment to Diversion Dam.

Funding Summary

Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** AFS

State: 9,127,297
Agency: 0
Federal: 0
Other: 0
Total: 9,127,297

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 15
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 10.74%

	2022	2023	Remarks
Professional Services			
A/E Design & Supervision	782,734	866,764	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	15,000	15,838	
Soils Analysis	15,000	15,838	
Materials Testing Services	146,187	161,881	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	3,210	3,389	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	288,776	288,776	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Easement Acquisition	25,000	27,684	
Architectural Historian	25,000	27,684	
Subtotal	1,300,907	1,407,854	
Construction Costs			
Construction	6,050,000	6,699,502	
Construction Contingency	907,500	1,004,925	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	10,000	11,074	
Hazardous Material Abatement	0	0	
Subtotal	6,967,500	7,715,501	
Miscellaneous			
Advertising	2,647	2,931	
Printing	913	1,011	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	3,560	3,942	
Total Project Cost	8,271,967	9,127,297	

Project No: M46 **Title:** East Slope Transmission Main Upgrade (Marlette Lake Water System)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project will design and construct replacement of the 8" and 11" water transmission mains with 12" and 18" transmission mains from the East Slope Catchments to the Diversion Dam for the Marlette Lake Water System (MLWS). The project includes removal of existing pipe, trenching, backfill and installation of new pipe and easement acquisition for the pipeline alignment.

Project Justification:

The existing pipeline has been in service for over 70 years and is beyond its useful life expectancy. Increasing the pipeline size will also support increased water delivery flows from the East Slope Catchments. A majority of this pipeline is at grade and at risk of damage by vehicle traffic, falling rocks and logs.

Background Information:

The Marlette Lake Water System (MLWS) was originally constructed in the 1870's to provide water to Virginia City. It was purchased in 1963 by the State of Nevada and is currently run by the State Public Works Division. The MLWS provides raw water to Carson City and Storey County and is the only source of water for Virginia City, Gold Hill and Silver City. Water is still conveyed through the 1870's era inverted siphon that runs from a storage tank at Lakeview, under I-580 and back up in elevation to 5-Mile Reservoir near Virginia City. The transmission mains currently run approximately 3 miles from Diversion Dam to the East Slope Catchments.

Project No: M47 **Title:** HVAC Systems Renovation (Emergency Operations Center)
Description: Replace boilers, chiller, air handling units, VAV terminal units, piping, and associated temperature controls at the Emergency Operations Center in Carson City
Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** BJB

Funding Summary	
State:	4,434,955
Agency:	0
Federal:	0
Other:	0
Total:	4,434,955

Project Group: Armory, Military or Prisons	Building Area: 34,351 gsf
Project Type: Rehab	Months To Construction: 24
Project Site: Local	Const. Annual Inflation Rate: 8.50%
Location: Carson City	Total Inflation: 17.72%

	2022	2024	Remarks
Professional Services			
A/E Design & Supervision	297,373	350,075	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	2,734	2,966	
Mechanical Plan Check	4,835	5,246	
Electrical Plan Check	3,701	4,015	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	179,255	179,255	
3rd Party Commissioning	44,656	52,571	
FF&E Design Fee	0	0	
Subtotal	532,554	594,128	
Construction Costs			
Construction	2,834,585	3,336,944	
Construction Contingency	425,188	500,542	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	3,259,773	3,837,486	
Miscellaneous			
Advertising	2,110	2,484	
Printing	728	857	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	2,838	3,341	
Total Project Cost	3,795,165	4,434,955	

Construction Cost Detail:	
1 Air Handling Systems	1,038,450
2 Temperature Controls Modifications	429,249
3 Chilled Water Plant Equipment	210,864
4 Demolition of Equip, Duct, & Pipe	152,835
5 Boiler Plant Equipment	148,443
6 Chilled Water Pumps & Piping	123,682
7 Testing & Commissioning	116,251
8 Heating Water Pumps & Piping	106,605
9 Electrical Modifications	86,250
10 Air Distribution & Ductwork	60,996
11 Crane/rigging	59,800
12 Fan Coil Units	31,740
13 Package Rooftop Units	11,730
Total	2,576,895
Allowances:	
1 Occupied Facility (10%)	257,690
Total	257,690
Total	2,834,585

Project No: M47 **Title:** HVAC Systems Renovation (Emergency Operations Center)

Agency: Nevada Army National Guard

Location: Carson City

Detail Description:

This project will design and construct the replacement of boilers, chiller, air handling units, VAV terminal units, pumps, piping, and associated temperature controls in the Emergency Operations Center.

Project Justification:

The existing heating and cooling equipment is approximately 17 years old and is reaching the end of its useful service life. The existing temperature control system is obsolete and is becoming costly to service. The existing air-cooled chiller has experienced compressor failures recently.

Background Information:

The Emergency Operations Center was built in 2005 and has an occupied area of 34,351 square feet.

Project No: M48 **Title:** Housing Units 1 thru 4 Plumbing Fixture Water Control Renovations (Lovelock Correctional Center)

Description: Replace existing fixture water saving control systems, piping, and valves at the Lovelock Correctional Center.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: LCC **Project Mgr:** TJD

State: 5,585,892
Agency: 0
Federal: 0
Other: 0
Total: 5,585,892

Project Group: Armory, Military or Prisons **Building Area:** 44,500 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Lovelock **Total Inflation:** 17.72%

	2022	2024	Remarks																																				
Professional Services																																							
A/E Design & Supervision	434,363	511,342	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.																																				
Surveys	0	0																																					
Soils Analysis	0	0																																					
Materials Testing Services	0	0																																					
Structural Plan Check	0	0																																					
Mechanical Plan Check	5,543	6,014																																					
Electrical Plan Check	4,125	4,476																																					
Civil Plan Check	0	0																																					
ADA Plan Check	0	0																																					
Fire Marshal Plan Check	0	0																																					
Code Compliance Plan Check	0	0																																					
Constructability Plan Check	0	0																																					
CMAR Pre-Construction Services	0	0																																					
PWD Project Mgmt & Inspection	219,165	219,165																																					
3rd Party Commissioning	0	0																																					
FF&E Design Fee	0	0																																					
Architectural Survey	16,240	19,118																																					
Subtotal	679,436	760,115																																					
Construction Costs																																							
Construction	3,542,604	4,170,442		<p>Construction Cost Detail:</p> <table border="1"> <tr><td>1</td><td>Water Controls Hardware</td><td>1,104,600</td></tr> <tr><td>2</td><td>Plumbing Fixture Valves</td><td>732,480</td></tr> <tr><td>3</td><td>Domestic Water Piping</td><td>480,000</td></tr> <tr><td>4</td><td>Electrical Modifications</td><td>250,000</td></tr> <tr><td>5</td><td>Waste & Vent Piping</td><td>155,250</td></tr> <tr><td>6</td><td>Testing & Commissioning</td><td>84,000</td></tr> <tr><td>7</td><td>Demolition of Piping & Equipment</td><td>79,200</td></tr> <tr><td>8</td><td>Programming & Software</td><td>66,640</td></tr> <tr><td colspan="2">Total</td><td>2,952,170</td></tr> </table> <p>Allowances:</p> <table border="1"> <tr><td>1</td><td>Remote Site (10%)</td><td>295,217</td></tr> <tr><td>2</td><td>Secure Facility Allowance (10%)</td><td>295,217</td></tr> <tr><td colspan="2">Total</td><td>590,434</td></tr> </table> <p>Total 3,542,604</p>	1	Water Controls Hardware	1,104,600	2	Plumbing Fixture Valves	732,480	3	Domestic Water Piping	480,000	4	Electrical Modifications	250,000	5	Waste & Vent Piping	155,250	6	Testing & Commissioning	84,000	7	Demolition of Piping & Equipment	79,200	8	Programming & Software	66,640	Total		2,952,170	1	Remote Site (10%)	295,217	2	Secure Facility Allowance (10%)	295,217	Total	
1	Water Controls Hardware	1,104,600																																					
2	Plumbing Fixture Valves	732,480																																					
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Total		2,952,170																																					
1	Remote Site (10%)	295,217																																					
2	Secure Facility Allowance (10%)	295,217																																					
Total		590,434																																					
Construction Contingency	531,391	625,566																																					
Green Building Equivalence	0	0																																					
Utility/Off-Site Costs	0	0																																					
Utility Connection Fees	0	0																																					
Data/Telecom Wiring	22,250	26,193																																					
Furnishings and Equipment	0	0																																					
Roof Maint. Agreement	0	0																																					
Local Government Requirements	0	0																																					
Hazardous Material Abatement	0	0																																					
Subtotal	4,096,245	4,822,201																																					
Miscellaneous																																							
Advertising	2,259	2,659																																					
Printing	779	917																																					
Temporary Facilities	0	0																																					
Agency Moving Costs	0	0																																					
Land Purchase	0	0																																					
Subtotal	3,038	3,576																																					
Total Project Cost	4,778,719	5,585,892																																					

Project No: M48 **Title:** Housing Units 1 thru 4 Plumbing Fixture Water Control Renovations (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project will design and construct replacement of plumbing fixture water controls serving Housing Units 1 through 4 at the Lovelock Correctional Center. The project includes replacing existing water controls, piping, and valves.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The plumbing fixture water controls are over 30 years old and have reached the end of their useful life. These water control systems are failing resulting in excessive domestic water usage. Piping in the plumbing chase areas is leaking at valves and needs to be reconfigured for the new valves. Replacing the water controls will significantly reduce housing unit water usage.

Background Information:

Housing Units 1, 2, 3 & 4 are approximately 44,500 square-feet each and were constructed in 1993 and 1997.

Project No: M49 **Title:** Install Site Security Cameras (Ely State Prison)

Description: Install parking lot and perimeter road security cameras at Ely State Prison.

Funding Summary

Department: NDOC **Division:** Correctional
Agency: ESP **Project Mgr:** JKF

State: 1,406,531
Agency: 0
Federal: 0
Other: 0
Total: 1,406,531

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 7.00%
Location: Ely **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	115,953	132,755	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	1,612	1,725		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	90,286	90,286		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	207,851	224,766		
Construction Costs				
Construction	895,871	1,025,683		Construction Cost Detail: 1 Cable & Fiber Installation (2,115 lf@ \$95/lf) 200,925 2 Trenching, Conduit & Backfill (1,325 lf@ \$108/lf) 143,100 3 Enhanced Digital Storage 72,000 4 Asphalt Patching (1,155 lf@ \$60/lf) 69,300 5 Concrete Patching (550 lf@ \$90/lf) 49,500 6 Fixed Cameras (12 @ \$3,972/ea) 47,664 7 Pan-tilt-zoom Cameras (6 @ \$5,040/ea) 30,240 8 Software Licenses (5 @ \$5,000/ea) 25,000 9 Camera Viewing Stations (5 @ \$4,200/ea) 21,000 Total 658,729 Allowances: 1 Remote Site (18%) 118,571 2 Secure Facility Allowance (18%) 118,571 Total 237,142 Total 895,871
Construction Contingency	134,381	153,852		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	1,030,252	1,179,535		
Miscellaneous				
Advertising	1,448	1,658		
Printing	499	572		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,947	2,230		
Total Project Cost	1,240,050	1,406,531		

Project No: M49 **Title:** Install Site Security Cameras (Ely State Prison)

Agency: Ely State Prison

Location: Ely

Detail Description:

This project will design and construct video monitoring and recording equipment in the parking lot and along the perimeter road at Ely State Prison.

If this project requires custody escort services, then this expense will need to be included in the Nevada Department of Corrections' operating budget.

Project Justification:

The facility does not have any security cameras in the parking lot or along the perimeter road. This equipment will record and document actual activities, and help reduce grievances, by recording incidences when they occur. The facility relies on the guard towers for surveillance, which distracts the tower guards from watching the prison yard activities.

Background Information:

Ely State Prison was built in two phases: Phase I was completed in August 1989, and Phase II was completed in November 1990.

Project No: M50 **Title:** Door Hardware Replacement (Nevada State Capitol)

Description: Replace all door hardware, locksets and hinges, on all interior and exterior doors throughout the Capitol Building.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** ALB

State: 1,844,028
Agency: 0
Federal: 0
Other: 0
Total: 1,844,028

Project Group: Offices or Dorms **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Carson City **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	100,707	118,555	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	3,029	3,287		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	4,082	4,429		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	88,080	88,080		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Architectural Historian	6,250	7,358		
Subtotal	202,148	221,709		
Construction Costs				
Construction	1,196,470	1,408,514		<p>Construction Cost Detail:</p> <p>1 Hardware Replacement (146 @ \$7,000/ea) 1,022,000</p> <p>2 Door & Jamb Repair (146 @ \$450/ea) 65,700</p> <hr/> <p>Total 1,087,700</p> <p>Allowances:</p> <p>1 Occupied Facility (10%) 108,770</p> <hr/> <p>Total 108,770</p> <hr/> <p>Total 1,196,470</p>
Construction Contingency	179,471	211,277		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	1,375,941	1,619,791		
Miscellaneous				
Advertising	1,597	1,880		
Printing	551	648		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	2,148	2,528		
Total Project Cost	1,580,237	1,844,028		

Project No: M50 Title: Door Hardware Replacement (Nevada State Capitol)

Agency: State Public Works Division

Location: Carson City

Detail Description:

This project will design and construct replacement of door hardware including locksets, pull push plates, hinges, closures, door handles, kick plates, door stops, electronic door devices and card readers and will repair door jambs.

Project Justification:

The locksets and hinges on all doors throughout the Capitol building have been replaced at different times over the life of the Capitol building and are not standardized throughout. Some of the essential hardware including hinges on various doors is missing. In many cases replacement hardware is no longer available or not available in the same finish as the original.

Background Information:

Replacement of door hardware in the past was installed without consideration of color, type or manufacturer therefore, very little of the door hardware matches. The State Capitol Building (FCA Building No. 0235) was originally constructed in 1870 and remodeled in 1977. The CIP project 21-M46 (Exterior Renovation – Capitol and Annex buildings) will re-stain, re-paint and install door handles and electronic door devices and card readers on seven (7) exterior doors at the Capitol and three (3) exterior doors at the Annex.

Project No: M51 **Title:** Additional Deferred Maintenance (NSHE)

Description: This project will provide for additional deferred maintenance needs including ADA and life safety.

Funding Summary

Department: NSHE **Division:** NSHE
Agency: NSHE **Project Mgr:** BJW

State: 50,000,000
Agency: 0
Federal: 0
Other: 0
Total: 50,000,000

Project Group: Classrooms **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 0
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Var. Locations **Total Inflation:** 0.00%

	2022	2022	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	0	0	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 UNR 18,419,447
Structural Plan Check	0	0	2 UNLV 15,824,887
Mechanical Plan Check	0	0	3 CSN 6,750,827
Electrical Plan Check	0	0	4 TMCC 2,698,460
Civil Plan Check	0	0	5 WNC 1,388,517
ADA Plan Check	0	0	6 DRI 1,272,853
Fire Marshal Plan Check	0	0	7 GBC 1,193,310
Code Compliance Plan Check	0	0	8 NSC 921,857
Constructability Plan Check	0	0	9 Contingency Pool 666,667
CMAR Pre-Construction Services	0	0	10 System Administration 333,333
PWD Project Mgmt & Inspection	529,842	529,842	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	529,842	529,842	Total 49,470,158
Construction Costs			
Total 49,470,158			
Construction	49,470,158	49,470,158	
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	49,470,158	49,470,158	
Miscellaneous			
Advertising	0	0	
Printing	0	0	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	0	0	
Total Project Cost	50,000,000	50,000,000	

Project No: M51 **Title:** Additional Deferred Maintenance (NSHE)

Agency: Nevada System of Higher Education

Location: Var. Locations

Detail Description:

This project will provide ongoing system-wide repairs and improvements of Nevada System of Higher Education (NSHE) facilities. Funding will be used in a manner consistent with the allowable uses of the Capital Construction fund for Higher Education and the Special Capital Construction Fund for Higher Education.

Project Justification:

NSHE historically receives \$15 million each biennium for deferred maintenance: \$10 million from state funds and \$5 million from the SHECC fund. This has covered a small percentage of deferred maintenance project needs of all institutions.

Background Information:

Beyond the \$15 million in deferred maintenance projects identified for the upcoming biennium NSHE has identified additional \$91.7 million in immediate needs.

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Statewide

High Priority for 2023

Project No: S01 **Title:** Statewide Roofing Program

Description: Roofing replacement and repairs at various buildings.

Funding Summary

Department: Admin **Division:** Admin
Agency: Admin **Project Mgr:** AJL

State: 8,706,087
Agency: 0
Federal: 0
Other: 0
Total: 8,706,087

Project Group: Mech/Elect/Struct/Roofing **Building Area:** 8,459,689 gsf
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	360,361	422,259	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	821,410	821,410		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Conceptual Design	0	0		
Architectural Evaluation	0	0		
Subtotal	1,181,771	1,243,669		
Construction Costs				
Construction	5,578,696	6,504,918	<p style="text-align: center;">2022 Project Cost Detail</p> <p style="text-align: center;">Priority 1</p> <p>1 Roofing, Bryan Building (23283) 657,434 2 Roofing, Various Buildings (HDSP) (21115) 1,814,714 3 Roofing, Buildings 6, 7, & 10 (LCC) (23297) 1,083,272 4 Roofing, Nevada Historical Society, Reno (23287) 599,961 5 Roofing, Building 17 (Stewart Facility) (19096) 537,010 6 Roofing, Buildings 13, 14, & 15, (SNCAS). (23202) 422,814 7 Roofing, Central Plant and Operations, (NNCC). (23284) 679,180 8 Roofing, Buildings 20 and 22, (NNAMHS). (23239) 273,299 9 Roofing, Administration Building, NDF,(SCC) (19366) 144,133 10 Roofing, NDF Indust. & Storage (JCC) (7543) 275,920 11 Roofing, Admin. Building 1, (WSCC) (19363) 427,377 12 Roofing, Multipurpose and Office Bldg., (PCC). (23300) 463,664 13 Emergency Roofing Repairs (23296) 200,000 Total Cost 7,578,778</p> <p style="text-align: center;">Priority 2</p> <p>14 Roofing, Multi-purpose Building, (ECC). (7774) 256,829 15 Roofing, Various Buildings (SDCC). (7162) 2,121,824 16 Roofing Replacement (Emergency Operations Center) (23 573,143 17 Roofing (EITS Data Center) (23019) 600,149 18 Skylights, Various Comfort Stations, (VoFSP) (19421) 39,698 19 Roofing, Housing Unit 2, (WSCC) (7110) 794,448 20 Roofing, Superintendent's Residence, (NYTC) (19222) 269,397 21 Skylights, Industrial Vocational Building, (NYTC) (19240) 73,737 22 Roofing, Culinary and Dining Room Bldg. (NNCC) (7315) 374,544 23 Roofing, North FIB Building, (NSM)(CC). (7415) 432,148 24 Roofing, Eastern Region HQ Bldg. (NDOW) (23137) 219,217 Total Cost 5,755,134</p>	
Construction Contingency	806,804	945,738		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	10,000	10,000		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	6,395,500	7,460,656		
Miscellaneous				
Advertising	1,122	1,310		
Printing	385	452		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,507	1,762		
Total Project Cost	7,578,778	8,706,087		

Project No: S01 Title: Statewide Roofing Program

Agency: Administration

Location: Statewide

Detail Description:

This project will install new roofing systems on various state buildings at:

1. Bryan Building, single ply, Carson City, (23283).
2. Various Buildings, High Desert State Prison (HDSP), (21115).
3. Buildings 6, 7, & 10 Lovelock Correctional Center (LCC), 23297).
4. Nevada Historical Society, Reno (23287).
5. Building 17, Stewart Facility (19096).
6. Buildings 13, 14, & 15, Southern Nevada Child Adolescent Services (SNCAS), (23202).
7. Chiller Plant & Operations Building, Northern Nevada Correctional Center (NNCC), (23284).
8. Buildings 20 & 22, Northern Nevada Adult Mental Health (NNAMH), (23239).
9. NDF Office Administration Building, Stewart Conservation Camp (SCC), (19366).
10. NDF Office & Industrial Shop, Jean Conservation Camp (JCC), (7543).
11. Administration Building, Warm Springs Correctional Center (WSCC), (19363).
12. NDF Office and Multi-purpose Shop, Pioche Conservation Camp (PCC), (23300).
13. Emergency Repairs, various buildings.

Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

Project Justification:

The current roofing systems are beyond their useful service life. A roof replacement will insure a water tight roofing system and protect the building interior.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit (NDL) Warranty. The membrane manufacturer must agree to the provisions of the NDL warranty prior to acceptance of the roof submittal.

Project No: S01g **Title:** Reroof Plumb Lane Readiness Center

Description: Replace single-ply roofing at the Plumb Lane Readiness Center.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** AJL

State: 127,044
Agency: 0
Federal: 319,983
Other: 0
Total: 447,027

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Reno **Total Inflation:** 17.72%

	2022	2024	Remarks
Professional Services			
All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.			
Construction Cost Detail:			
A/E Design & Supervision	20,865	24,563	
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	1 Membrane Installation (16,500 sf@ \$12/sf) 198,000
Structural Plan Check	0	0	2 Dens Deck (16,500 sf@ \$4/sf) 66,000
Mechanical Plan Check	0	0	3 Demolition (16,500 sf@ \$1/sf) 16,500
Electrical Plan Check	0	0	4 Misc. Components (16,500 sf@ \$1/sf) 16,500
Civil Plan Check	0	0	
ADA Plan Check	0	0	Total 297,000
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	Total 297,000
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	20,239	20,239	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Subtotal	41,104	44,802	
Construction Costs			
Construction	297,000	349,636	
Construction Contingency	44,550	52,445	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	341,550	402,081	
Miscellaneous			
Advertising	91	107	
Printing	31	37	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	122	144	
Total Project Cost	382,776	447,027	

Project No: S01g Title: Reroof Plumb Lane Readiness Center

Agency: State Public Works Division

Location: Reno

Detail Description:

This project will design and construct a roofing system on the Plumb Lane Readiness Center Two Buildings, Reno, NV. The existing roofs were installed in 2000.

Funding Description:

This is a 75% Facilities, Sustainment, Restoration and Modernization (FSRM) federally funded project for eligible costs. State funds will cover ineligible costs for project management, inspection, plan checking, advertising, printing and remaining portions of the project that cannot be covered by federal funds.

Project Justification:

The current roofing system is beyond its useful service life. A replacement roof will insure a water tight roofing system and protect the building interior.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit (NDL) Warranty developed by the SPWD staff. The membrane manufacturer must agree to the provisions of the NDL warranty prior to acceptance of the roof submittal. Additionally, the SPWD requires an annual inspection of all new roofs by the manufacturer and SPWD personnel as part of the Preventative Maintenance Agreement.

Project No: S01h **Title:** Roofing Replacement, Express Office Building (Department of Motor Vehicles, Donovan)

Description: This project will provide for a Décor style single ply roofing system over the existing metal roof.

Funding Summary

Department: Admin **Division:** Admin
Agency: Admin **Project Mgr:** HAP

State: 0
Agency: 191,025
Federal: 0
Other: 0
Total: 191,025

Project Group: Offices or Dorms **Building Area:** 5,600 gsf
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 7.00%
Location: Las Vegas **Total Inflation:** 14.49%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	9,876	11,307	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail:	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	0	0		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	9,580	9,580		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	19,456	20,887		
Construction Costs				
Construction	129,125	147,835		1 Membrane Installation (5,600 sf@ \$13/sf) 72,800
Construction Contingency	19,369	22,175		2 Insulation (5,600 sf@ \$4/sf) 22,400
Green Building Equivalence	0	0	3 Cover Board (5,600 sf@ \$3/sf) 16,800	
Utility/Off-Site Costs	0	0	4 Décor Ribs (5,600 sf@ \$2/sf) 11,200	
Utility Connection Fees	0	0	5 Rain Gutters (125 lf@ \$25/lf) 3,125	
Data/Telecom Wiring	0	0	6 Misc Components (5,600 sf@ \$0.50/sf) 2,800	
Furnishings and Equipment	0	0	Total 129,125	
Roof Maint. Agreement	0	0	Total 129,125	
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	148,494	170,010		
Miscellaneous				
Advertising	83	95		
Printing	29	33		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	112	128		
Total Project Cost	168,062	191,025		

Project No: S01h **Title:** Roofing Replacement, Express Office Building (Department of Motor Vehicles, Donovan)

Agency: Administration

Location: Las Vegas

Detail Description:

This project will design and construct a décor style single ply membrane roofing system over the existing metal roof on Express DMV Office, Donovan, Las Vegas.

Funding Description:

This project is 100% Highway funded.

Project Justification:

The current roofing system was installed in 1995. A new roof will ensure a water tight roofing system and protect the building interior.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit (NDL) Warranty. The membrane manufacturer must agree to the provisions of the NDL warranty prior to acceptance of the roof submittal.

Project No: S02 **Title:** Statewide ADA Program
Description: Access as required by Title II of the Americans with Disabilities Act.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MCR

State: 4,410,352
Agency: 0
Federal: 0
Other: 0
Total: 4,410,352

Project Group: Offices or Dorms **Building Area:** 50,442 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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	2022	2024
Professional Services		
A/E Design & Supervision	403,986	471,469
Surveys	15,200	16,417
Soils Analysis	0	0
Materials Testing Services	28,638	33,436
Structural Plan Check	2,847	3,088
Mechanical Plan Check	5,625	6,061
Electrical Plan Check	5,025	5,418
Civil Plan Check	3,309	3,571
ADA Plan Check	7,777	8,396
Fire Marshal Plan Check	4,236	4,563
Code Compliance Plan Check	25,550	27,558
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	453,759	453,759
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
HCQC Review	9,000	10,450
Architectural Historian	5,000	5,886
Historic Evaluation	8,000	9,418
Camera Pipe Inspections	4,000	4,580
Subtotal	981,952	1,064,069

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1	ADA Upgrades Building 1309 (DRC) (7050)	698,788
2	ADA Upgrades (Nevada Historical Society) (23173)	533,897
3	ADA Upgrades Building 15 (SNCAS) (23210)	293,073
4	ADA Upgrades Building 8 (NNAMHS) (23246)	381,044
5	ADA Upgrades NSRM (Boulder City) (23169)	172,156
6	ADA Upgrades (NYTC) (19213)	1,072,543
7	Facility and site ADA Upgrades (EITS) (21268)	596,175
8	Emergent ADA Projects (23295)	100,000
Total Cost		3,847,676

Priority 2

9	ADA Upgrades Building 1310 (DRC) (7051)	695,565
10	ADA Upgrades (Lost City Museum) (19188)	101,007
11	ADA Accessible Route (NDF, Elko) (7534)	220,077
Total Cost		1,016,649

	2022	2024
Construction Costs		
Construction	2,444,481	2,854,547
Construction Contingency	351,672	410,524
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	60,100	70,181
Subtotal	2,856,253	3,335,252

	2022	2024
Miscellaneous		
Advertising	7,042	8,202
Printing	2,429	2,829
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	9,471	11,031
Total Project Cost	3,847,676	4,410,352

Project No: S02 Title: Statewide ADA Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

This program will provide Statewide Accessibility under Title II, program accessibility, of the Americans with Disabilities Act for the removal of barriers.

1. This project will design and construct building 1309 at Desert Regional Center to comply with the Americans with Disabilities Act Guidelines.
2. This project will design and construct the Nevada Historical Society building entrance, stairs and ramps to comply with the Americans with Disabilities Act Guidelines.
3. This project will design and construct building 15 at Southern Nevada Child & Adolescent Services to comply with the Americans with Disabilities Act Guidelines.
4. This project will design and construct restrooms in building 8 at Northern Nevada Adult Mental Health Services to comply with the Americans with Disabilities Act Guidelines.
5. This project will design and construct the Boulder City Railroad Museum building & site to comply with the Americans with Disabilities Act.
6. This project will design and construct 2 housing units and the Administration building to comply with the Americans with Disabilities Act Guidelines.
7. This project will design and construct the replacement of the south building pedestrian ramp and stairs, loading dock pedestrian stairs, sliding access gate and ground dock lift. The interior breakroom shall be remodeled to comply with the American's with Disabilities Act.

Project Justification:

The Statewide ADA program is prioritized in accordance with the following decision matrix: All Department of Justice directives are given the highest priority. Next, state agencies are given the following priority order: Mental Health, Administration, Museums, Prisons, Parks, Wildlife and then all others based on the programs offered to the public. This priority order is based on the accessibility needs of the clientele and the programs offered at these facilities, to decrease the State's exposure to accessibility liabilities.

Background Information:

Title II of the Americans with Disabilities Act is a civil rights law and under that law all states are required to provide program access. Based on past experience with this program, these types of small multi-dimensional retrofit projects require higher than average architectural and engineering fees.

Project No: S03 **Title:** Statewide Fire and Life Safety
Description: Fire alarm and fire sprinkler systems installations and upgrades.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BBM

State: 8,304,573
Agency: 0
Federal: 0
Other: 0
Total: 8,304,573

Project Group: Offices or Dorms **Building Area:** 2,842,918 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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Professional Services		
A/E Design & Supervision	596,169	686,459
Surveys	12,000	12,840
Soils Analysis	0	0
Materials Testing Services	52,036	59,709
Structural Plan Check	4,477	4,811
Mechanical Plan Check	10,732	11,557
Electrical Plan Check	6,487	6,975
Civil Plan Check	4,462	4,790
ADA Plan Check	0	0
Fire Marshal Plan Check	9,390	10,067
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	419,889	419,889
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Hazardous Materials Testing	5,000	5,805
Architectural Historian	8,000	9,418
Fire Flow Testing	2,500	2,500
Subtotal	1,131,142	1,234,820

Construction Costs		
Construction	5,252,160	6,055,773
Construction Contingency	787,824	908,365
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	4,000	4,709
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	73,000	83,837
Subtotal	6,116,984	7,052,684

Miscellaneous		
Advertising	5,757	6,673
Printing	1,986	2,301
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Fire Flow Testing	7,000	8,095
Subtotal	14,743	17,069
Total Project Cost	7,262,869	8,304,573

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1 Fire Sprinkler Installation (SDCC) (7466)	5,144,101
2 Fire Sprinkler Installation (Stewart) (7218)	559,998
3 Fire Suppression Replacement (NSLA) (21042)	1,256,475
4 Fire Sprinkler Installation (NNAMHS) (7351)	302,295
Total Cost	7,262,869

Priority 2

5 Fire Alarm Replacement (DRC) (19158)	189,838
6 Fire Sprinkler Installation (CYC) (19225)	255,115
7 Fire Sprinkler Installation (Walker) (21225)	855,039
8 Fire Sprinkler Installation (Walker) (23037)	1,056,725
9 Fire Alarm Replacement (Casa Grande) (23128)	1,404,342
10 Fire Suppression Replacement (NSM) (23174)	1,050,748
11 Fire Sprinkler Installation (NYTC) (23213)	668,276
12 Fire Alarms Upgrades (SNCAS) (7119)	526,731
13 Fire Sprinkler Installation (SNAMHS) (7452)	1,117,381
14 Fire Sprinkler Installation (NYTC) (19212)	1,124,368
15 Fire Sprinkler Installation (SNCAS) (21150)	679,644
16 Fire Sprinkler Installation (IHCC) (21183)	660,909
17 Fire Sprinkler Installation (LCM) (7045)	905,539
18 Fire Sprinkler Installation (Ely RR) (7456)	837,415
19 Fire Sprinkler Installation (WCC) (7255)	1,341,681
20 Fire Sprinkler Installation (ECC) (7277)	1,433,768
Total Cost	14,107,519

Project No: S03 Title: Statewide Fire and Life Safety

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will install new and upgrade existing fire alarm and fire suppression systems in State owned buildings. Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

Priority one projects are as follows:

1. Fire Suppression System Installation (SDCC Housing Units 1-7 - 7466) Install fire suppression systems in Housing Units 1 through 7 at Southern Desert Correctional Center.
2. Fire Suppression Installation (Stewart Facility - Building 89 - 7218) Install a fire suppression system in Building 89, the Nevada Division of Corrections Administration Offices.
3. Replace Fire Suppression System (NSLA - 21042) Replace current Halon fire protection (clean gas) systems in the Nevada State Library and Archives building.
4. Fire Suppression Installation (NNAMHS - Maintenance Facility - 7351) Install a fire suppression system in the Maintenance Building #22 on the Northern Nevada Adult Mental Health Services campus.

Project Justification:

This work is required to maintain existing and install new fire and life safety systems.

Background Information:

SPWD uses Fire Marshal NAC 477 requirements and "Prioritization Report for Fire Protection Systems in State Owned Buildings" developed by the Fire Marshal office, Risk Management, and SPWD to maintain and upgrade existing building's fire protection systems.

Project No: S03g **Title:** Statewide Fire and Life Safety Program - Nevada Army National Guard

Description: Fire alarm replacements and fire suppression installations for the Nevada Army National Guard.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BBM

State: 1,456,639
Agency: 0
Federal: 1,974,389
Other: 0
Total: 3,431,028

Project Group: Armory, Military or Prisons **Building Area:** 174,800 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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Professional Services		
A/E Design & Supervision	229,173	262,381
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	23,271	26,644
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	4,356	4,661
Civil Plan Check	0	0
ADA Plan Check	0	0
Fire Marshal Plan Check	6,273	6,712
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	208,905	208,905
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Condition Assessment Report	7,500	8,587
Subtotal	479,478	517,890

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1 Fire Alarm Replacement (Henderson) (23067)	287,669
2 Fire Alarm Replacement (CCA) (23078)	1,120,585
3 Fire Suppression (WCTC) (23095)	1,615,672
Total Cost	3,023,926

Construction Costs		
Construction	2,208,045	2,527,991
Construction Contingency	331,207	379,199
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Subtotal	2,539,252	2,907,190

Miscellaneous		
Advertising	3,864	4,423
Printing	1,332	1,525
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	5,196	5,948
Total Project Cost	3,023,926	3,431,028

Project No: S03g **Title:** Statewide Fire and Life Safety Program - Nevada Army National Guard

Agency: State Public Works Division

Location: Statewide

Detail Description:

This program will install and upgrade new and existing fire alarm and fire sprinkler systems in Nevada Army National Guard buildings.

1. Fire Alarm Replacement (Henderson Armory - 23067) This project will replace the fire alarm system at the Henderson Armory which is occupied by the Nevada National Army Guard.
2. Fire Alarm System Replacement (Clark County Armory - 23078) This project will replace the fire alarm system at the Clark County Armory located in North Las Vegas. If these projects are completed with savings, the excess funds may be used for fire and life safety systems at other Nevada Army National Guard facilities.
3. Fire Suppression System (Washoe County Training Center - 23095) This project will install a fire suppression system at the Washoe County Armory.

Funding Description:

This is a 50% Facilities, Sustainment, Restoration and Modernization (FSRM) federally funded project for eligible costs. State funds will cover ineligible costs for project management, inspection, plan checking, advertising, printing and remaining portions of the project that cannot be covered by federal funds.

Project Justification:

This project is required to maintain and upgrade existing fire and life safety systems.

Background Information:

SPWD uses Fire Marshal NAC 477 requirements and "Prioritization Report for Fire Protection Systems in State Owned Buildings" developed by the Fire Marshal office, Risk Management, and SPWD to maintain and upgrade existing building's fire protection systems.

Project No: S04 **Title:** Statewide Advance Planning Program

Description: Necessary studies to formulate future capital improvements programs.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BJW

State: 2,605,703
Agency: 0
Federal: 0
Other: 0
Total: 2,605,703

Project Group: Offices or Dorms **Building Area:** 0 gsf
Project Type: Addition **Months To Construction:** 15
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 10.74%

	2022	2023	Remarks
Professional Services			
A/E Design & Supervision	500,000	553,678	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	1,733,660	1,733,660	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Information Technology Support	275,000	304,523	
Subtotal	2,508,660	2,591,861	
Construction Costs			
Construction	0	0	
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	0	0	
Miscellaneous			
Advertising	2,500	2,768	
Printing	10,000	11,074	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	12,500	13,842	
Total Project Cost	2,521,160	2,605,703	

Project No: S04 Title: Statewide Advance Planning Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

Advance Planning provides funding for specific studies; greatly facilitates orderly programming, scheduling, and funding of construction projects over two or more biennia; and allows for greater in-depth evaluation of proposed projects.

Advance Planning for the contracting of consultants provides funding for numerous miscellaneous planning and/or study projects for which the need only becomes apparent during the biennium, including, but not limited to, evaluations of requested projects for the subsequent Capital Improvement Program (CIP).

SPWD formulation of future CIPs is the in-house effort to define and estimate projects for the Capital Improvement program. This biennial effort is funded in this project to assure accountability for time expended. It was determined that the time spent on developing the CIP would be accumulated under this project number.

Project Justification:

Developing systematic decision-making methods leads to decisions made in the State's best interest. These feasibility studies are justified by the increasing need for maintenance funding. The continuing increase in the age of state-owned facilities justifies this project. With the facility floor plans and infrastructure becoming less and less efficient these planning funds are necessary. Changes in technology and the needs for "new government" also supports the justification for this statewide program.

Background Information:

The SPWD has been receiving more applications every year, in 2018 750 applications were received, in 2020 914 applications were received and in 2022 720 CIP projects were received. Historically, the SPWD received less than 400 CIP project requests. With the need for contracted planning efforts increasing, it is estimated that \$500,000 is needed for contracted professional support to develop future CIP projects and long-term statewide office needs and \$275,000 is needed for contract information technology support in the development of the 2025 CIP.

Project No: S05 **Title:** Statewide Paving Program
Description: Design, construct and maintain pavements throughout the state.

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MJM

Funding Summary	
State:	5,994,892
Agency:	0
Federal:	0
Other:	0
Total:	5,994,892

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Remote **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	402,751	473,808	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.	
Surveys	55,000	59,675		
Soils Analysis	60,000	65,100		
Materials Testing Services	78,877	92,855		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	16,000	17,360		
Civil Plan Check	17,000	18,437		
ADA Plan Check	1,532	1,662		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	336,580	336,580		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Siting Study	15,675	18,453		
Subtotal	983,415	1,083,930		
Construction Costs				
Construction	3,573,034	4,204,267		
Construction Contingency	520,956	612,981		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	60,000	70,634		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	5,000	5,886		
Hazardous Material Abatement	0	0		
Subtotal	4,158,990	4,893,768		
Miscellaneous				
Advertising	8,557	10,054		
Printing	6,071	7,140		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	14,628	17,194		
Total Project Cost	5,157,033	5,994,892		

2022 Project Cost Detail

Priority 1		
1	Tarmac Maintenance (Sierra Front) (7546)	168,375
2	Pavement Preservation (NDOW Reno) (23147)	97,495
3	Site Improvements (Blasdel Parking Lot) (21041)	434,219
4	Pavement Maintenance (Sparks Ag) (21271)	135,659
5	Pavement Preservation (EiCon Building) (23278)	81,038
6	Pavement Maintenance (Capitol Complex) (7219)	483,452
7	Pavement Maintenance (SNVH) (23155)	92,862
8	Pavement Maintenance, PH 1 (NNAMHS) (23218)	290,376
9	Pavement Maintenance (NNEIS) (23018)	287,962
10	Pavement Maintenance (EITS) (21267)	97,247
11	Emergent Paving Maintenance (23294)	100,000
12	Electric Vehicle Charging Stations (23604)	2,888,348
Total Cost		5,157,033
Priority 2		
13	Pavement Maintenance (WSCC) (7143a)	106,506
14	Pavement Maintenance (Las Vegas SPWD Office) (23280)	121,987
15	Pavement Maintenance (Jean Conservation Camp) (7170)	371,809
16	Pavement Maintenance (SDCC) (21102)	181,324
17	Pavement Maintenance (LCC) (23129)	439,388
18	Pavement Maintenance (Lake Mead Hatchery) (21249)	278,166
19	Pavement Maintenance (TLVCC) (7550)	416,984
20	Pavement Maintenance (HDSP) (23133)	841,454
21	Parking Lot Repairs (Sierra Front) (7551)	290,232
22	Pavement Maintenance (FMWCC) (23135)	238,209
23	Pavement Maintenance (Little Washoe Lake) (21229)	90,853
24	Pavement Maintenance (Cathedral Gorge) (7137)	300,553
25	Road Maintenance (NNCC) (7313)	965,872
26	Pavement Maintenance (Kershaw Ryan) (21231)	331,078
Total Cost		4,974,415

Project No: S05 Title: Statewide Paving Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will provide for statewide slurry seal, overlay and new paving. Projects within this program are of a maintenance type activity, which will generally consist of crack sealing, surface sealing and restriping, and may also include patching and repairs.

Emergent paving maintenance funds will be used to patch potholes, re-stripe parking lots where the striping has faded that are not in the current program for sealing, replace faded and hard to read parking lot signage, fill large cracks that have created tripping hazards, and replace or re-install broken or displaced parking blocks.

Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

Project Justification:

The purpose of this Statewide Paving Program is to optimize paving life cycle costs, extend the pavement longevity and maintain safe paving surfaces for employees and the public. Crack seal and slurry seal is a preferred method of meeting these goals. This program will also address pavement that needs repair or an overlay. If the pavement has deteriorated to the point it cannot be repaired, then reconstruction is the recommended solution. New paving construction projects are also considered to be within the scope of this statewide program. The projects within the program may also construct paving improvements to bring facilities into compliance with ADA and code requirements.

Background Information:

The goal of this program is to bring the paved parking areas and access roads to an adequate service level and perform economical cyclical maintenance rather than premature pavement replacement.

Project No: S05g1 **Title:** Statewide Paving Program (Nevada Army National Guard)
Description: Design, construct, and maintain pavements at Nevada National Guard facilities throughout the State.
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MJM

Funding Summary	
State:	650,857
Agency:	0
Federal:	552,562
Other:	0
Total:	1,203,419

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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Professional Services		
A/E Design & Supervision	87,924	101,762
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	6,513	7,668
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	2,912	3,131
ADA Plan Check	0	0
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	90,127	90,127
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Subtotal	187,476	202,688

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1	Pavement Maintenance (NLVRC, FETC) (23075)	185,122
2	Pavement Maintenance (WCRC) (23087)	424,777
3	Pavement Maintenance (CCRC, FETC) (23076)	357,946
4	Pavement Maintenance (HRC) (23077)	83,881
Total Cost		1,051,726

Construction Costs		
Construction	747,727	865,820
Construction Contingency	112,160	129,873
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Subtotal	859,887	995,693

Miscellaneous		
Advertising	3,244	3,746
Printing	1,119	1,292
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	4,363	5,038

Total Project Cost 1,051,726 1,203,419

Project No: S05g1 Title: Statewide Paving Program (Nevada Army National Guard)

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will provide cleaning, crack seal, slurry seal and re-striping of the asphalt pavement at the Nevada Army National Guard Readiness Centers. These Readiness Centers are the North Las Vegas Readiness Center and the Clark County Readiness Center located at the Floyd Edsall Training Center, the Henderson Readiness Center, and the Washoe County Readiness Center at the Harry Reid Training Center in Stead. If this project is completed with savings, the excess funds may be used for paving treatments at other Nevada Army National Guard facilities.

Funding Description:

This is a 50% Facilities, Sustainment, Restoration and Modernization (FSRM) federally funded project for eligible costs. State funds will cover ineligible costs for project management, inspection, plan checking, advertising, printing and remaining portions of the project that cannot be covered by federal funds.

Project Justification:

The existing asphalt pavements are due for its regular preventative maintenance.

Background Information:

The existing asphalt pavement has not been sealed since the facility was built in the year 2005. This project was previously requested in the 2015 and 2017 CIP's.

Project No: S05g2 **Title:** Apron Pavement Preservation (Harry Reid Training Center)

Description: Crack seal, slurry and restripe pavement at the Army Aviation Support Facility Apron.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MJM

State: 53,523
Agency: 0
Federal: 713,378
Other: 0
Total: 766,901

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Stead **Total Inflation:** 17.72%

	2022	2024	Remarks	
Professional Services				
A/E Design & Supervision	54,011	63,583	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded. Construction Cost Detail: 1 Slurry Seal (615,000 sf@ \$0.50/sf) 307,500 2 Crack Seal (615,000 sf@ \$0.12/sf) 73,800 3 Post Sweep (2 @ \$18,575/ea) 37,150 4 Striping 28,650 5 Back Roll (490,000 @ \$0.05/ea) 24,500 6 Surface Debris Removal (16,750 sf@ \$0.50/sf) 8,375 <hr/> Total 479,975 Total 479,975	
Surveys	0	0		
Soils Analysis	0	0		
Materials Testing Services	0	0		
Structural Plan Check	0	0		
Mechanical Plan Check	0	0		
Electrical Plan Check	0	0		
Civil Plan Check	1,217	1,320		
ADA Plan Check	0	0		
Fire Marshal Plan Check	0	0		
Code Compliance Plan Check	0	0		
Constructability Plan Check	0	0		
CMAR Pre-Construction Services	0	0		
PWD Project Mgmt & Inspection	50,355	50,355		
3rd Party Commissioning	0	0		
FF&E Design Fee	0	0		
Subtotal	105,583	115,258		
Construction Costs				
Construction	479,975	565,039		
Construction Contingency	71,996	84,756		
Green Building Equivalence	0	0		
Utility/Off-Site Costs	0	0		
Utility Connection Fees	0	0		
Data/Telecom Wiring	0	0		
Furnishings and Equipment	0	0		
Roof Maint. Agreement	0	0		
Local Government Requirements	0	0		
Hazardous Material Abatement	0	0		
Subtotal	551,971	649,795		
Miscellaneous				
Advertising	1,168	1,374		
Printing	403	474		
Temporary Facilities	0	0		
Agency Moving Costs	0	0		
Land Purchase	0	0		
Subtotal	1,571	1,848		
Total Project Cost	659,125	766,901		

Project No: S05g2 **Title:** Apron Pavement Preservation (Harry Reid Training Center)

Agency: State Public Works Division

Location: Stead

Detail Description:

This project will design and construction a crack seal, slurry, and stripe of the pavement at the Army Aviation Support Facility at the Harry Reid Training Center. It includes the removal of an existing coating on a portion of the pavement to the south of the building, the sealing of the construction joints in the pavement on the tarmac, a back rolling of the slurry on the tarmac, and two post sweeps to manage the aggregate raveling that occurs after a slurry is applied.

Funding Description:

This is a 100% Facilities, Sustainment, Restoration and Modernization (FSRM) federally funded project for eligible costs. State funds will cover ineligible costs for project management, inspection, plan checking, advertising, printing and remaining portions of the project that cannot be covered by federal funds.

Project Justification:

This pavement is due for cyclical maintenance to avoid deterioration of the surface.

Background Information:

These pavements were constructed as part of three different projects that have taken place within the last 12 years. This is the first request for this project.

Project No: S05h **Title:** Statewide Paving Program (Highway Funding)

Description: Design, construct and maintain pavements throughout the state.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MJM

State: 0
Agency: 1,796,090
Federal: 0
Other: 0
Total: 1,796,090

Project Group: Civil/Sitework **Building Area:** 0 gsf
Project Type: Civil/Sitework **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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Professional Services		
A/E Design & Supervision	125,666	145,336
Surveys	0	0
Soils Analysis	20,000	21,400
Materials Testing Services	40,668	46,560
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	4,306	4,637
ADA Plan Check	0	0
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	129,750	129,750
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Subtotal	320,390	347,683

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1	Pavement Maintenance (Reno NHP) (23017)	229,217
2	Pavement Maintenance (Flamingo DMV) (23293)	245,054
3	Pavement Maintenance (License Plate Factory) (23034)	85,428
4	Motorcycle Test Pad Upgrade (Flamingo DMV) (23025)	333,375
5	Pavement Preservation (Carson City DMV) (23279)	207,999
6	Motorcycle Test Pad Upgrade (Decatur DMV) (23026)	472,349
Total Cost		1,573,422

Priority 2

7	Pavement Preservation (Sahara DMV) (23281)	267,483
8	Pavement Preservation (South Reno DMV) (23282)	248,615
9	Motorcycle Test Pad Upgrade (Sahara DMV) (23024)	391,634
10	Motorcycle Test Pad Upgrade (South Reno DMV) (23027)	391,634
Total Cost		1,299,366

Construction Costs		
Construction	1,083,869	1,252,847
Construction Contingency	162,581	187,928
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Subtotal	1,246,450	1,440,775

Miscellaneous		
Advertising	4,895	5,674
Printing	1,687	1,958
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	6,582	7,632
Total Project Cost	1,573,422	1,796,090

Project No: S05h Title: Statewide Paving Program (Highway Funding)

Agency: State Public Works Division

Location: Statewide

Detail Description:

Statewide slurry seal, overlay and new paving at facilities that are supported by Federal Highway Funds. The projects at the Reno NHP (23017), Flamingo DMV (23293), the License Plate Factory (23034), and the Carson City DMV (23279) are pavement maintenance projects that will include patching, crack seal, slurry seal, and restriping. Projects 23025 (Flamingo DMV) and 23026 (Decatur DMV) will include the replacement of the existing asphalt pavement surface in the motorcycle test courses with a reinforced concrete surface. Priority one projects are those that are planned to be completed within available funding. Priority two projects will be completed as project savings allows. Priority two projects are in priority order. During the course of the biennium, conditions change and project savings may be used to complete emergency repairs or priority two projects that have presented unique needs elevating the priority.

Funding Description:

This project is 100% Highway funded.

Project Justification:

Existing pavements at the Reno NHP, Flamingo DMV, and the License Plate Factory need preventative maintenance to preserve the State's assets, and maintain them in a condition that is safe and usable by facility staff and customers. Much of the pavement at the Carson City DMV was either constructed or reconstructed as a part of the 2017 CIP, and should have the first round of cyclical maintenance applied. Constructing motorcycle test courses using an asphalt surface have proven to be problematic over time. While both concrete and asphalt can begin to crack, a crack in a concrete surface constructed over a proper structural section will likely remain in a static state and will not continue to widen. Conversely, when an asphalt surface begins to crack, regardless of the integrity of the structural section below, it will begin to widen. Once the cracks reach a certain width they become a tire trap for motorcycles. In addition, the more aggressive pavement maintenance treatments that help with the life span extension and assist with ensuring that cracking does not occur are not appropriate for motorcycle courses as those treatments shed aggregate creating an unstable and slippery surface for new motorcycle riders.

Background Information:

The License Plate factory has never had the pavement addressed. It has been several years since the Reno NHP was sealed, and the Flamingo DMV has not been sealed since 2015. The Carson City DMV Commercial Drivers License test course is shared with the motorcycle test course, and the pavement cracking had progressed so quickly that crack fill mitigation measures did not work. This resulted in a complete rehabilitation of the area as a part of the 2017 CIP. More recently, the cracking was so prevalent in the course at the Henderson DMV that it was repaved during the 2019 CIP maintenance project, and in 2021 the course at the Flamingo DMV required an emergency crack sealing when an applicants tire got stuck in a crack.

Project No: S06 **Title:** Statewide Indoor Air Quality - Environmental Program

Description: Mitigation of asbestos, lead, mold, water quality, and indoor air quality issues.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BJW

State: 58,861
Agency: 100,000
Federal: 0
Other: 0
Total: 158,861

Project Group: Offices or Dorms **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 17.72%

	2022	2024	Remarks
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	2022	2024
Professional Services		
A/E Design & Supervision	0	0
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	0	0
ADA Plan Check	0	0
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Services	0	0
PWD Project Mgmt & Inspection	0	0
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Subtotal	0	0

All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.

2022 Project Cost Detail

Priority 1

1	Emergency Mitigation - Risk Management (23506a)	100,000
2	Asbestos, Mold & Lead Paint Surveys (23506b)	50,000
Total Cost		150,000

Construction Costs		
Construction	100,000	100,000
Construction Contingency	0	0
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	50,000	58,861
Subtotal	150,000	158,861

Miscellaneous		
Advertising	0	0
Printing	0	0
Temporary Facilities	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Subtotal	0	0

Total Project Cost 150,000 158,861

Project No: S06 Title: Statewide Indoor Air Quality - Environmental Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will address environmental issues at State-owned and leased buildings. The primary environmental issues are asbestos, indoor air quality (IAQ), lead paint, and mold. The US Environmental Protection Agency (EPA) and Occupational & Health Administration (OSHA) agencies require a building owner to address all known or suspected health concerns.

1. This project will investigate active health & safety and environmental issues in State Owned and Leased Buildings. The funding for this project is provided by Risk Management.
2. This project will address unanticipated health & safety and environmental issues in State Owned buildings.

Funding Description:

Agency funding is provided by the Risk Management Division.

Project Justification:

This program has approximately 2,600 State-owned buildings. Environmental issues occur during the normal operation of the buildings and must be addressed once they are identified.

Background Information:

There are approximately 2,600 state-owned buildings. This does not include Legislative, NDOT or NSHE buildings. Buildings & Grounds leases 320 buildings for additional agency office space.

Project No: S09 **Title:** Statewide Building Official Program

Description: Continue to allow the SPWD to accept fees not authorized in the CIP as required to pay for contracted plan review and inspection services on those projects.

Funding Summary

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** BJW

State: 0
Agency: 4,502,500
Federal: 0
Other: 0
Total: 4,502,500

Project Group: Classrooms **Building Area:** 0 gsf
Project Type: Addition **Months To Construction:** 0
Project Site: Local **Const. Annual Inflation Rate:** 8.50%
Location: Statewide **Total Inflation:** 0.00%

	2022	2022	Remarks
Professional Services			
A/E Design & Supervision	0	0	All costs are estimated based upon 2022 information. During project implementation, funds will be shifted between categories as necessitated by actual costs. The total budget will not be exceeded.
Surveys	0	0	
Soils Analysis	0	0	
Materials Testing Services	0	0	
Structural Plan Check	0	0	
Mechanical Plan Check	0	0	
Electrical Plan Check	0	0	
Civil Plan Check	0	0	
ADA Plan Check	0	0	
Fire Marshal Plan Check	0	0	
Code Compliance Plan Check	0	0	
Constructability Plan Check	0	0	
CMAR Pre-Construction Services	0	0	
PWD Project Mgmt & Inspection	0	0	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Permit Fees	4,502,500	4,502,500	
Subtotal	4,502,500	4,502,500	
Construction Costs			
Construction	0	0	
Construction Contingency	0	0	
Green Building Equivalence	0	0	
Utility/Off-Site Costs	0	0	
Utility Connection Fees	0	0	
Data/Telecom Wiring	0	0	
Furnishings and Equipment	0	0	
Roof Maint. Agreement	0	0	
Local Government Requirements	0	0	
Hazardous Material Abatement	0	0	
Subtotal	0	0	
Miscellaneous			
Advertising	0	0	
Printing	0	0	
Temporary Facilities	0	0	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Subtotal	0	0	
Total Project Cost	4,502,500	4,502,500	

Project No: S09 Title: Statewide Building Official Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

NRS 341 requires the State Public Works Division to assume the role of the building official for building projects on State land or funded with State money. Some building projects requiring SPWD building official oversight are not included in the CIP program. This project will allow the SPWD to accept fees for those non-CIP projects and use the fees to pay for contracted plan review and inspection services on those non-CIP projects. Each project will be accounted for in a separate category in the accounting system.

Funding Description:

Funds from this program and previous building official activities can be used for any 1562 budgeted activity.

This project is funded 100% from agency fees for non-CIP projects, (i.e., Agency Projects).

Project Justification:

This project will provide the necessary means to efficiently administer building official projects.

Background Information:

In the past, the SPWD tracked these projects in a database and paid plan check fees for these projects out of budget account 1562. That system was cumbersome, inefficient, and prone to mistakes. Since the 2007 CIP, the Governor and Legislature have authorized the current method in Project S09 which is efficient and effective.