

STATE PUBLIC WORKS BOARD 2013-2015



SDCC CORE EXPANSION



NYTC, 600KW PHOTOVOLTAIC SYSTEM



PROPOSED SAHARA DMV

RECOMMENDED CAPITAL
IMPROVEMENT PROGRAM

Brian Sandoval
Governor



Jeff Mohlenkamp
Director

Gustavo "Gus" Nuñez
Administrator

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Public Works Section
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STATE OF NEVADA
DEPARTMENT OF ADMINISTRATION
Public Works Division

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January 21, 2013

Members of the Senate and Assembly
77th Session
Nevada State Legislature
Capitol Complex, Carson City, Nevada

On behalf of the State Public Works Board in accordance with NRS 341.191, I am pleased to present the final version of the Governor's Recommended Capital Improvement Program (2013 CIP) for your consideration. The 2013 CIP is the culmination of the tireless efforts of State agencies, the Public Works Board and staff. These efforts include the analysis of agency requests, agency presentations and Board hearings, assessment and development of priorities, and the incorporation of recommendations from the Executive Branch.

The Recommended 2013 CIP is primarily comprised of 'critical' projects, which considers 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 will ensure that building systems are maintained, so that State government can carry out its programs and functions. Many critical projects have been phased in order to fit within the available funding.

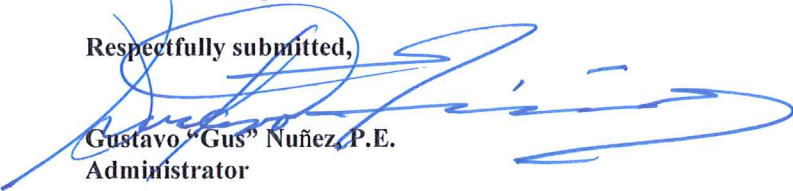
Critical projects are divided into five categories: (1) "Life Safety/Code/Legal Issues" in State buildings that create a high degree of exposure for potential liability; (2) "Security Issues" for the Department of Corrections, Lakes Crossing and the Grant Sawyer building; (3) Maintenance of "HVAC and Electrical" that, if left unaddressed, have a high probability of disrupting building occupancy; (4) "Arresting Deterioration of Facilities" would cost significantly more if left for a future CIP; and, (5) "Institutional Requirements" are absolutely needed for an agency to carry out its mission.

The final category of projects, "Category 6", "Leveraging Non-State Funded Projects" includes projects that have state and non-state funding sources. This category includes 'critical' projects as defined above, but also includes several projects that are considered discretionary.

The State-funded portion of the recommended 2013 CIP equals approximately twenty percent of the total agency requests. "State Funding" as used in the recommended 2013 CIP consists of general obligation bonds and/or general funds; and, "Other Funding" consists of Highway, Federal, and/or agency provided funds.

The Total request for all project categories is \$100,299,062 (\$85,128,682 in "State Funding" and \$15,170,379 in "Other Funding").

Respectfully submitted,


Gustavo "Gus" Nuñez, P.E.
Administrator

2013 CIP
Governor's Recommendation
By Category

State Public Works Board

Governor's Recommendation by Category Analysis of State Funding Distribution

1. Life Safety/Code/Legal Issues
2. Security Issues
3. HVAC/Electrical
4. Arresting Deterioration of Facilities
5. Institutional Requirements
6. Leveraging Non-State Funding

Life Safety/Code/Legal Issues

Overall Priority	CIP Title	Other	State	Total
M01	Lake's Crossing Life Safety Upgrades	0	830,556	830,556
C01	Replace Access Bridge (Caliente Youth Center)	1,979,526	619,843	2,599,369
M23	Asbestos Abatement & Restoration - Henderson Armory	172,848	196,013	368,861
S03	Statewide Fire and Life Safety Program	0	2,971,732	2,971,732
M02	Fire/Smoke Control System Upgrades (Sawyer Office Building)	0	986,036	986,036
S06	Statewide Indoor Air Quality Program	100,000	250,631	350,631
M03	Gallagher Fish Hatchery Radon Mitigation	0	202,286	202,286
S02g	Plumb Lane Armory Sidewalk Replacement and Restroom Remodel	114,854	55,852	170,706
S02	Statewide ADA Program	0	2,074,900	2,074,900
Total		2,367,228	8,187,849	10,555,077

Security Issues

Overall Priority	CIP Title	Other	State	Total
M04	Control Room Renovation (Lake's Crossing)	0	1,610,008	1,610,008
M05	Repair/Upgrade Door Control Panels (HDSP) - Phase 1	0	2,150,169	2,150,169
M06	Replace Door Control Panels (Lovelock Correctional Center) - Phase 1	0	2,332,830	2,332,830
M07	Replace High Mast Lighting (Southern Desert Correctional Center)	0	1,732,918	1,732,918
M08	Mail Room HVAC System Installation (Sawyer Office Building)	0	297,956	297,956
	Total	0	8,123,881	8,123,881

HVAC/Electrical

Overall Priority	CIP Title	Other	State	Total
M09	Boiler Plant Improvements (Lake's Crossing)	0	266,028	266,028
M10	Replace Boiler Burners (Ely State Prison)	0	672,249	672,249
M11	Replace Air Handling Units (Ely State Prison) - Phase 1	0	4,989,248	4,989,248
M12	Replace Air Handling Units (Lovelock Correctional Center) - Phase 1	0	3,908,807	3,908,807
M13	Underground Piping Assessment (Lovelock Correctional Center)	0	262,325	262,325
M14	Replace Main Electrical Bus and Switchgear (SDCC)	0	2,212,653	2,212,653
M15	Boiler Replacement (Southern Nevada Women's Correctional Center)	0	1,109,507	1,109,507
M16	Replace Rooftop HVAC Units (SNWCC)	0	697,344	697,344
M17	HVAC System Renovation (Northern Nevada Correctional Center)	0	724,235	724,235
M18	Chiller and Boiler Replacement (WSCC - Building 2)	0	681,375	681,375
M19	HVAC Control System Upgrade (Desert Willow Treatment Center)	0	385,275	385,275
M20	Replace HVAC Systems (CYC Multi-Purpose Room)	0	345,999	345,999
M21	Server Room Air Conditioner Installation (LVRC)	117,993	140,126	258,119
M22	Boiler Plant Improvements (Washoe County Armory)	129,537	63,744	193,281
M24	Install Air Conditioning (Henderson Armory)	610,260	707,657	1,317,917
M26	HVAC System Renovation (Stewart Building 107)	0	190,040	190,040

(Continued)

HVAC/Electrical (continued...)

Overall Priority	CIP Title	Other	State	Total
M25	Electrical Power Upgrades (Henderson Armory)	336,621	387,326	723,947
M27	Chilled and Hot Water Piping Replacement (Sawyer Office Building)	0	594,745	594,745
M28	Server Room Ventilation System Upgrades (Bryan Building)	0	65,103	65,103
M29	HVAC System Renovation (Stewart Building 6)	0	255,341	255,341
M30	Replace HVAC Units (Lost City Museum)	0	259,870	259,870
M31	HVAC System Renovation (NNCAS Administration Building)	0	265,108	265,108
M32	HVAC System Replacement (Multiple Buildings at DRC)	0	278,009	278,009
M33	Replace Emergency Generator (Desert Regional Center)	0	1,279,479	1,279,479
M34	Replace Rooftop HVAC Units (SNCAS Building 15)	0	98,357	98,357
M35	HVAC System Renovation (NNCAS Residential Buildings)	0	89,068	89,068
M36	HVAC System Renovation (Sierra Regional Center Building 603)	0	48,973	48,973
M37	Power Service Upgrade (Spring Valley State Park)	350,000	1,625,362	1,975,362
M38	Boiler Plant Improvements (Blasdel Building)	0	407,412	407,412
M39	HVAC System Renovation (Reno Wildlife Headquarters)	0	244,922	244,922
	Total	1,544,411	23,255,687	24,800,098

Arresting Deterioration of Facilities

Overall Priority	CIP Title	Other	State	Total
M40	Replace Toilet and Urinal Flush Valves (Multiple Buildings at ESP)	0	1,246,108	1,246,108
M41	FMWCC Shower and Bathroom Renovations	0	1,328,137	1,328,137
S01	Statewide Roofing Program	0	3,285,090	3,285,090
M42	Recondition Existing Water Tanks	0	382,487	382,487
M43	Exterior Building Protection (High Desert State Prison) - Phase 1	0	2,335,525	2,335,525
M44	NNCC Replace Culinary Flooring	0	478,590	478,590
M45	Remove and Replace Infirmary Flooring at Ely State Prison	0	544,327	544,327
M46	Remove and Replace Culinary Flooring at Ely State Prison	0	288,922	288,922
M47	FMWCC Building - Sealing of Expansion Joints and Painting	0	719,395	719,395
P06	Planning for Sanitary Sewer Upgrades, SNCAS, DRC and SNAMHS	0	240,266	240,266
M49	Elevators Upgrade at Belrose Building	0	275,715	275,715
M50	Replace Freight Elevator (Nevada State Museum)	0	1,022,108	1,022,108
S01g	Roof Replacement, Nevada National Guard	28,587	36,671	65,258
M51	Drainage System Improvements, Governor's Mansion	0	75,226	75,226
M52	Governor's Mansion Complex Exterior Finishes	0	609,656	609,656
M53	Historic Building at Old Las Vegas Mormon Fort Park	0	159,583	159,583
M54	Replace Man Doors (Stead Training Facility)	347,159	27,038	374,197
S05	Statewide Paving Program	0	685,140	685,140
M55	Upgrades to the Compact Shelving State Library and Archives	0	463,801	463,801
M56	Roof Replacement, Nevada State Veterans Home -complete	0	1,788,749	1,788,749
Total		375,746	15,992,534	16,368,280

Institutional Requirements

Overall Priority	CIP Title	Other	State	Total
M57	Deferred Maintenance (HECC/SHECC)	0	15,000,000	15,000,000
C02	Remodel Administration Building to Accommodate Executions at ESP	0	692,289	692,289
C04	Water Production Well at HDSP	0	822,445	822,445
P02	Planning for Las Vegas Metro Building Upgrades	0	319,287	319,287
S04	Statewide Advance Planning Program	0	736,390	736,390
S09	Statewide Building Official Program	924,114	0	924,114
S08	Statewide Energy Efficiency Program	0	2,006,013	2,006,013
C05	Loading Dock (Nevada State Museum)	0	987,039	987,039
S03g	Carson City NNG Fire Sprinkler Installation	0	196,200	196,200
P03	Planning for Armory Building Renovation	0	144,080	144,080
P07	Planning for Northern Nevada Veterans Home	0	3,700,519	3,700,519
C06	Compact Shelving State Records Center	0	700,144	700,144
Total		924,114	25,304,406	26,228,520

Leveraging Non-State Funding

Overall Priority	CIP Title	Other	State	Total
S01h	Roof replacement, DMV Flamingo DMV Inspection Station	693,548	0	693,548
M58	HVAC System Renovation (Carson City Motor Pool)	46,890	0	46,890
P04	Planning for Field Maintenance Shop (Washoe County Armory)	0	*1,044,330	1044330
P05	UNLV Hotel College Academic Building	1,725,461	**3,220,000	4,945,461
C03	TAG Plant	4,372,336	0	4,372,336
S05h	Flamingo DMV Parking Lot Expansion & Preventative Maintenance	977,316	0	977,316
P01	Planning for Sahara DMV Replacement Building	2,143,330	0	2,143,330
	Total	9,958,881	4,264,330	14,223,211

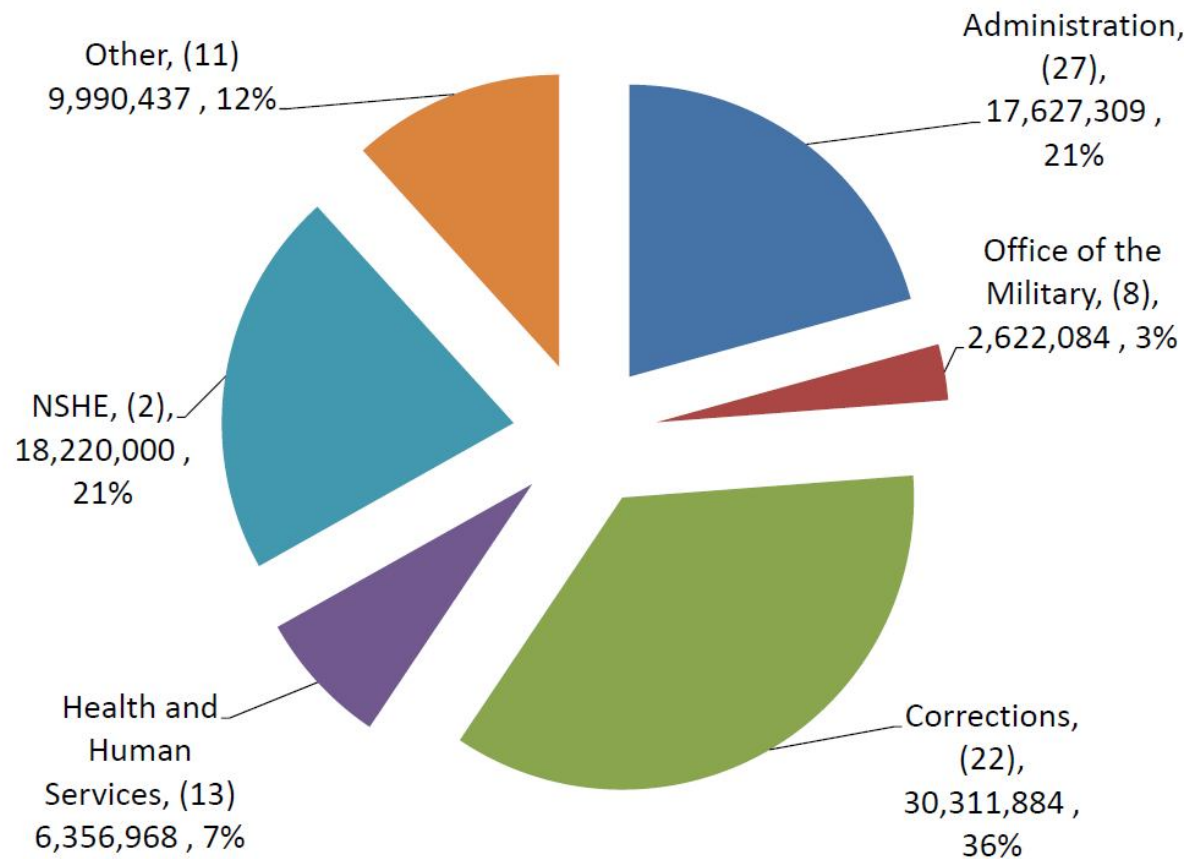
* Reimbursed at approximately 75% by Federal Funds once construction funding is approved.

** Reallocation of existing 2009 CIP bond authority.

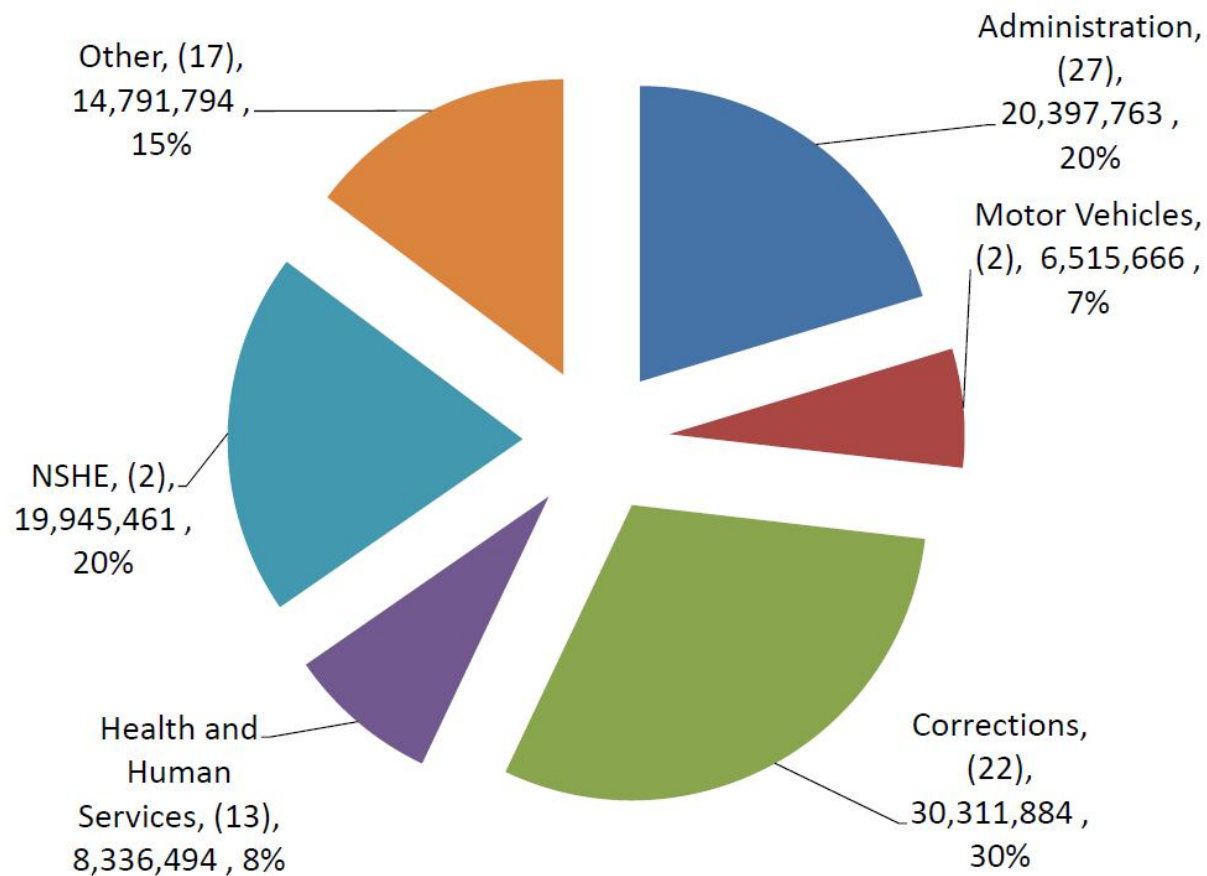
Analysis of State Funding Distribution

	Priority Item	Sum of Other	Sum of State
1	Life Safety/Code/Legal Issues	2,367,228	8,187,849
2	Security Issues	-	8,123,881
3	HVAC/Electrical	1,544,411	23,255,687
4	Arresting Deterioration of Facilities	375,746	15,992,534
5	Institutional Requirements	924,114	25,304,406
	Subtotal	5,211,499	80,864,357
6	Leveraging Non-State Funding	9,958,881	4,264,330
	Grand Total	15,157,380	85,128,687

Governor's Recommendation Analysis of State Funding Distribution by Department (83 projects \$85m)



Governor's Recommendation Analysis of Total Funding Distribution by Department (83 projects \$100m)



**2013 Capital Improvement Program Governor's Recommendation
By Department**

	Project Count	State Funding	Other Funding	Total Funding
Department of Administration	27	17,627,309	2,770,454	20,397,763
Department of Conservation & Natural Resources	2	1,784,944	350,000	2,134,944
Department of Corrections	22	30,311,884	0	30,311,884
Department of Cultural Affairs	3	2,269,018	0	2,269,018
Department of Health & Human Services	13	6,356,968	1,979,526	8,336,494
Department of Motor Vehicles	2	0	6,515,666	6,515,666
Department of Wildlife	2	447,208	0	447,208
Nevada System of Higher Education	2	18,220,000	1,725,461	19,945,461
Office of the Military	8	2,622,084	1,829,272	4,451,356
Office of Veterans' Services	2	5,489,267	0	5,489,267
	83	\$85,128,682	\$15,170,379	\$100,299,062

Thursday, January 03, 2013 1:57 PM

**2013 Governor Recommended Capital Improvement Program
By Classification
\$85.1 Million State Funding**

Tuesday, January 08, 2013
2:23 PM

Project No.	Department	Division	Agency	Location	Project Name	State Funding	Other Funding	Total Funding
C01	DHHS	CFS	CYC	Caliente	Replace Access Bridge (Caliente Youth Center)	619,843	1,979,526	2,599,369
C02	NDOC	NDOC	NDOC	Ely	Remodel Administration Building to Accommodate Executions (Ely State Prison)	692,289	0	692,289
C03	DMV	DMV	DMV	Carson City	TAG Plant (NNCC)	0	4,372,336	4,372,336
C04	NDOC	HDSP	HDSP	Indian Springs	Water Production Well (Indian Springs Prison Complex)	822,445	0	822,445
C05	CultAffr	MusHist	Museum	Carson City	Loading Dock (Nevada State Museum)	987,039	0	987,039
C06	Admin	LibArch	LibArch	Carson City	Compact Shelving (State Library and Archives Building)	700,144	0	700,144
M01	DHHS	MH/DS	Lakes	Sparks	Life Safety Upgrades (Lake's Crossing)	830,556	0	830,556
M02	Admin	SPWD	B&G	Las Vegas	Fire/Smoke Control System Upgrades (Sawyer Office Building)	986,036	0	986,036
M03	Wildlife	Wildlife	Wildlife	Ruby Valley	Radon Mitigation (Gallagher Fish Hatchery)	202,286	0	202,286
M04	DHHS	MH/DS	Lakes	Sparks	Control Room Renovation (Lake's Crossing)	1,610,008	0	1,610,008
M05	NDOC	HDSP	HDSP	Indian Springs	Repair/Upgrade Door Control Panels (HDSP) - Phase 1	2,150,169	0	2,150,169
M06	NDOC	LCC	LCC	Lovelock	Replace Door Control Panels (Lovelock Correctional Center)- Phase 1	2,332,830	0	2,332,830
M07	NDOC	SDCC	SDCC	Indian Springs	Replace High Mast Lighting (Southern Desert Correctional Center)	1,732,918	0	1,732,918
M08	Admin	SPWD	B&G	Las Vegas	Mail Room HVAC System Installation (Sawyer Office Building)	297,956	0	297,956
M09	DHHS	MH/DS	Lakes	Sparks	Boiler Plant Improvements (Lake's Crossing)	266,028	0	266,028
M10	NDOC	ESP	ESP	Ely	Replace Boiler Burners (Ely State Prison)	672,249	0	672,249
M11	NDOC	ESP	ESP	Ely	Replace Air Handling Units (Ely State Prison) - Phase I	4,989,248	0	4,989,248
M12	NDOC	LCC	LCC	Lovelock	Replace Air Handling Units (Lovelock Correctional Center) - Phase 1	3,908,807	0	3,908,807
M13	NDOC	LCC	LCC	Lovelock	Underground Piping Assessment (Lovelock Correctional Center)	262,325	0	262,325
M14	NDOC	SDCC	SDCC	Indian Springs	Replace Main Electrical Loop and Switchgear (SDCC)	2,212,653	0	2,212,653
M15	NDOC	SNWCC	SNWCC	N. Las Vegas	Boiler Replacement (Southern Nevada Women's Correctional Center)	1,109,507	0	1,109,507
M16	NDOC	SNWCC	SNWCC	N. Las Vegas	Replace Rooftop HVAC Units - Housing Units (SNWCC) - Phase I	697,344	0	697,344

**2013 Governor Recommended Capital Improvement Program
By Classification
\$85.1 Million State Funding**

Tuesday, January 08, 2013
2:23 PM

Project No.	Department	Division	Agency	Location	Project Name	State Funding	Other Funding	Total Funding
M17	NDOC	NNCC	NNCC	Carson City	HVAC System Renovation (Northern Nevada Correctional Center)	724,235	0	724,235
M18	NDOC	WSCC	WSCC	Carson City	Chiller and Boiler Replacement (WSCC - Housing Unit 2)	681,375	0	681,375
M19	DHHS	CFS	SNCAS	Las Vegas	HVAC Control System Upgrade (Desert Willow Treatment Center)	385,275	0	385,275
M20	DHHS	CFS	CYC	Caliente	Replace HVAC Systems (CYC Multi-Purpose Room)	345,999	0	345,999
M21	Military	NArmyNG	NArmyNG	Las Vegas	Server Room Air Conditioner Installation (LVRC)	140,126	117,993	258,119
M22	Military	NArmyNG	NArmyNG	Reno	Boiler Plant Improvements (Washoe County Armory)	63,744	129,537	193,281
M23	Military	NArmyNG	NArmyNG	Henderson	Asbestos Abatement & Restoration (Henderson Armory)	196,013	172,848	368,861
M24	Military	NArmyNG	NArmyNG	Henderson	Install Air Conditioning (Henderson Armory)	707,657	610,260	1,317,917
M25	Military	NArmyNG	NArmyNG	Henderson	Electrical Power Upgrades (Henderson Armory)	387,326	336,621	723,947
M26	Admin	B&G	B&G	Stewart	HVAC System Renovation (Stewart Building 107)	190,040	0	190,040
M27	Admin	SPWD	B&G	Las Vegas	Chilled and Hot Water Piping Replacement (Sawyer Office Building) Phase 1	594,745	0	594,745
M28	Admin	B&G	B&G	Carson City	Server Room Ventilation System Upgrades (Bryan Building)	65,103	0	65,103
M29	Admin	B&G	B&G	Stewart	HVAC System Renovation (Stewart Building 6)	255,341	0	255,341
M30	CultAffr	MusHist	LostCity	Overton	Replace HVAC Units (Lost City Museum)	259,870	0	259,870
M31	DHHS	CFS	NNCAS	Reno	HVAC System Renovation (NNCAS Administration Building)	265,108	0	265,108
M32	DHHS	MH/DS	DRC	Las Vegas	HVAC System Replacement (Multiple Buildings at DRC)	278,009	0	278,009
M33	DHHS	MH/DS	DRC	Las Vegas	Replace Emergency Generator (Desert Regional Center)	1,279,479	0	1,279,479
M34	DHHS	CFS	SNCAS	Las Vegas	Replace Rooftop HVAC Units (SNCAS Building 15)	98,357	0	98,357
M35	DHHS	CFS	NNCAS	Reno	HVAC System Renovation (NNCAS Residential Buildings)	89,068	0	89,068
M36	DHHS	CFS	SRC	Sparks	HVAC System Renovation (Sierra Regional Center Building 603)	48,973	0	48,973
M37	CNR	Parks	Parks	Pioche	Power Service Upgrade (Spring Valley State Park)	1,625,362	350,000	1,975,362
M38	Admin	B&G	B&G	Carson City	Boiler Plant Improvements (Blasdel Building)	407,412	0	407,412

**2013 Governor Recommended Capital Improvement Program
By Classification
\$85.1 Million State Funding**

Tuesday, January 08, 2013
2:23 PM

Project No.	Department	Division	Agency	Location	Project Name	State Funding	Other Funding	Total Funding
M39	Wildlife	Wildlife	Wildlife	Reno	HVAC System Renovation (Reno Wildlife Headquarters)	244,922	0	244,922
M40	NDOC	ESP	ESP	Ely	Replace Toilet and Urinal Flush Valves (Multiple Buildings at ESP)	1,246,108	0	1,246,108
M41	NDOC	SNWCC	SNWCC	N. Las Vegas	Shower and Bathroom Renovations (SNWCC)	1,328,137	0	1,328,137
M42	NDOC	HDSP	HDSP	Indian Springs	Recondition Existing Water Tanks, Phase I (Indian Springs Prison Complex)	382,487	0	382,487
M43	NDOC	HDSP	HDSP	Indian Springs	Exterior Building Protection (High Desert State Prison) - Phase 1	2,335,525	0	2,335,525
M44	NDOC	NNCC	NNCC	Carson City	Replace Culinary Flooring (NNCC)	478,590	0	478,590
M45	NDOC	ESP	ESP	Ely	Remove and Replace Infirmary Flooring (Ely State Prison)	544,327	0	544,327
M46	NDOC	ESP	ESP	Ely	Remove and Replace Culinary Flooring (Ely State Prison)	288,922	0	288,922
M47	NDOC	SNWCC	SNWCC	N. Las Vegas	Sealing of Expansion Joints and Painting (SNWCC Building)	719,395	0	719,395
M49	Admin	SPWD	B&G	Las Vegas	Elevator Upgrade (Belrose Building)	275,715	0	275,715
M50	CultAffr	MusHist	Museum	Carson City	Replace Freight Elevator (Nevada State Museum)	1,022,108	0	1,022,108
M51	Admin	SPWD	B&G	Carson City	Drainage System Improvements (Governor's Mansion)	75,226	0	75,226
M52	Admin	SPWD	B&G	Carson City	Exterior Finishes (Governor's Mansion Complex)	609,656	0	609,656
M53	CNR	Parks	Parks	Las Vegas	Rehabilitate Historic Building (Old Las Vegas Mormon Fort Park)	159,583	0	159,583
M54	Military	NArmyNG	NArmyNG	Reno	Replace Man Doors (Stead Training Facility)	27,038	347,159	374,197
M55	Admin	LibArch	LibArch	Carson City	Upgrades to the Compact Shelving (State Library and Archives Building)	463,801	0	463,801
M56	VetSvc	VetSvc	VetSvc	Boulder City	Roof Replacement (Nevada State Veterans Home)	1,788,749	0	1,788,749
M57	NSHE	NSHE	NSHE	Various	Deferred Maintenance (HECC/SHECC)	15,000,000	0	15,000,000
M58	Admin	Admin	Admin	Carson City	HVAC System Renovation (Carson City Motor Pool)	0	46,890	46,890
P01	DMV	DMV	DMV	Las Vegas	Planning for Sahara DMV Replacement Building	0	2,143,330	2,143,330
P02	Admin	SPWD	B&G	Las Vegas	Planning for Las Vegas Metro Building Upgrades	319,287	0	319,287
P03	Admin	SPWD	B&G	Carson City	Armory Building Renovation	144,080	0	144,080

**2013 Governor Recommended Capital Improvement Program
By Classification
\$85.1 Million State Funding**

Tuesday, January 08, 2013
2:23 PM

Project No.	Department	Division	Agency	Location	Project Name	State Funding	Other Funding	Total Funding
P04	Military	NArmyNG	NArmyNG	Reno	Field Maintenance Shop (Washoe County Armory)	1,044,330	0	1,044,330
P05	NSHE	UNLV	UNLV	Las Vegas	UNLV Hotel College Academic Building	3,220,000	1,725,461	4,945,461
P06	DHHS	DHHS	DHHS	Las Vegas	Planning for Sanitary Sewer Upgrades, SNCAS, SNAMHS, and DRC	240,266	0	240,266
P07	VetSvc	VetSvc	VetSvc	Sparks	Advanced Planning of a Northern Nevada State Veterans Home	3,700,519	0	3,700,519
S01	Admin	SPWD	SPWD	Statewide	Statewide Roofing Program	3,285,090	0	3,285,090
S01g	Admin	SPWD	SPWD	Various	Roof Replacement (CSMS-2 Floyd Edsall Training Center)	36,671	28,587	65,258
S01h	Admin	SPWD	SPWD	Las Vegas	Roof Replacement (Flamingo DMV and Inspection Station)	0	693,548	693,548
S02	Admin	SPWD	SPWD	Statewide	Statewide ADA Program	2,074,900	0	2,074,900
S02g	Military	NArmyNG	NArmyNG	Reno	Sidewalk Replacement and Restroom Remodel (Plumb Lane Armory)	55,852	114,854	170,706
S03	Admin	SPWD	SPWD	Statewide	Statewide Fire and Life Safety Program	2,971,732	0	2,971,732
S03g	Admin	SPWD	SPWD	Carson City	Fire Sprinkler Installation (Carson City NNG Warehouses)	196,200	0	196,200
S04	Admin	SPWD	SPWD	Statewide	Statewide Advance Planning Program	736,390	0	736,390
S05	Admin	SPWD	SPWD	Statewide	Statewide Paving Program	685,140	0	685,140
S05h	Admin	SPWD	B&G	Las Vegas	Parking Lot Expansion & Preventative Maintenance (Flamingo DMV)	0	977,316	977,316
S06	Admin	SPWD	SPWD	Statewide	Statewide Indoor Air Quality Program	250,631	100,000	350,631
S08	Admin	SPWD	SPWD	Statewide	Statewide Energy Efficiency Program	2,006,013	0	2,006,013
S09	Admin	SPWD	SPWD	Statewide	Statewide Building Official Program	0	924,114	924,114

*Project Count: 83 All Departments

** Total Funds: \$85,128,682 \$15,170,379 \$100,299,062

State Public Works Board

2013 Capital Improvement Program Cost Estimates and Narratives

1/8/2013

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Project No:	C01		Funding Summary		
Title:	Replace Access Bridge (Caliente Youth Center)		State:	619,843	
Description:	Replace Culverts with Bridge to Mitigate Flooding with partial FEMA Funding. (75%O / 25%S)		Agency:	0	
Department:	DHHS	Division:	CFS	Federal:	0
Agency:	CYC	Project Mgr:	WDP	Other:	1,979,526
				Total:	2,599,369

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Caliente	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	196,793	208,946
Surveys	10,000	10,304
Soils Analysis	8,000	8,243
Materials Testing Services	22,912	24,327
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	2,091	2,155
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 Service	0	0
PWB Project Mgmt & Inspection	162,611	162,611
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	402,407	416,586
Building Costs		
Construction	1,782,000	1,890,524
Construction Contingency	267,300	283,579
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
Other	0	0
Sub Total	2,049,300	2,174,102
Miscellaneous		
Advertising	1,260	1,338
Printing	6,300	6,689
Bond Sale Costs	615	653
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	8,175	8,680
Total Project Cost	2,459,882	2,599,369

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Bridge (100 lf @ \$9,750/lf)	975,000
2. Earthwork/roadway	510,000
	Total
	1,485,000
3. Remote site allowance (20%)	297,000
	Total
	1,782,000

Proj. No.: C01 Replace Access Bridge (Caliente Youth Center)

Agency: Caliente Youth Center

Location: Caliente

Detail Description:

The scope of this project is to replace two culverts with a bridge at the Caliente Youth Center (CYC).

An application has been made to FEMA for matching Federal funding (75%). The County and City have agreed to contribute \$30,000 cash. The State would provide the balance of the necessary funding.

Project Justification:

Reoccurring flooding from large precipitation events in the adjacent higher elevations has led to continued siltation and debris buildup in the steel pipes that carry water from Clover Creek. The only access road to the facility crosses the existing bridge's large arched culverts. Flooding of the road and bridge has occurred previously which jeopardized the safety of residents and staff by eliminating emergency vehicle access for evacuation while creating the potential for flooding of the adjacent Caliente Youth Center.

Background Information:

Clover Creek has had many dams constructed upstream which have resulted in increased silt deposits. The continuing buildup of debris has resulted in flooding during heavy precipitation events and led to emergency evacuation by helicopter of the Youth Center during the flood of 2005 causing a safety concern for staff and residents. Erosion and damage to headwalls at the bridge is an ongoing maintenance problem and has jeopardized the city's only substation.

Project No:	C02		Funding Summary	
Title:	Remodel Administration Building to Accommodate Executions (Ely State Prison)		State:	692,289
Description:	Design and construct 1,900 sf of tenant improvements for an execution chamber in the Ely State Prison Administration building.		Agency:	
			Federal:	
Department:	NDOC	Division:	NDOC	Other:
Agency:	NDOC	Project Mgr:	RMO	Total:
				692,289

Project Group:	Armory, Military or Prisons	Building Area:	1,900	gsf
Project Type:	Remodel	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Ely	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	64,010	67,963
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	1,426	1,469
Mechanical Plan Check	1,277	1,316
Electrical Plan Check	766	789
Civil Plan Check	0	0
ADA Plan Check	1,277	1,316
Fire Marshal Plan Check	1,407	2,175
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	60,061	60,061
3rd Party Commissioning	10,000	10,618
FF&E Design Fee	20,000	21,235
Other	0	0
Sub Total	160,224	166,942
Building Costs		
Construction	425,600	451,519
Construction Contingency	63,840	67,728
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	950	1,008
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	490,390	520,255
Miscellaneous		
Advertising	772	820
Printing	3,860	4,098
Bond Sale Costs	164	174
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,796	5,092
Total Project Cost	655,410	692,289

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Remodel (1,900sf @ \$140/sf)	266,000
	Total 266,000
2. Remote Site Allowance (20%)	53,200
3. Secure Facility Allowance (20%)	53,200
4. Occupied Facility Allowance (20%)	53,200
	Total 425,600

Proj. No.: C02 Remodel Administration Building to Accommodate Executions (Ely State
Agency: NDOC
Location: Ely

Detail Description:

The scope of this project is to design and construct tenant improvements in the current Ely State Prison Administration Building to accommodate an execution chamber. Tenant improvements will include remodeling of approximately 1,900 square feet of Ely State Prison Administration Building's Visitation and Court Room areas.

Project Justification:

The current Execution facility is located at the now closed Nevada State Prison. The relocation of the Execution facility to an active prison and to a location adjacent to the existing Death Row at the Ely State Prison is critical to the operation of the correctional system.

Background Information:

Tenant improvements are to be based on the proposed Prison 8 model and the San Quentin, California model and include an architectural program and construction documents acceptable to the 9th District Court. State Public Works Division has developed a conceptual design and cost estimate for the facility remodel to accommodate the execution chamber.

Project No:	C03			Funding Summary	
Title:	TAG Plant (NNCC)	State:			0
Description:	Design and construct a new prefabricated metal building license plate factory of approximately 12,300 sf.	Agency:			4,372,336
		Federal:			0
Department:	DMV	Division:	DMV	Other:	0
Agency:	DMV	Project Mgr:	RMO	Total:	4,372,336

Project Group:	Storage or Warehousing	Building Area:	12,300	gsf
Project Type:	New	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	225,000	238,895
Surveys	6,000	6,182
Soils Analysis	7,500	7,728
Materials Testing Services	52,639	55,890
Structural Plan Check	2,645	2,725
Mechanical Plan Check	4,614	4,754
Electrical Plan Check	3,568	3,677
Civil Plan Check	2,364	2,436
ADA Plan Check	3,242	3,341
Fire Marshal Plan Check	5,454	8,430
Code Compliance Plan Check	7,200	7,419
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	176,448	176,448
3rd Party Commissioning	0	0
FF&E Design Fee	14,500	15,395
Other	0	0
Sub Total	511,174	533,321
Building Costs		
Construction	2,613,720	2,772,896
Construction Contingency	261,372	277,290
Green Building Equivalence	0	0
Utility/Off-Site Costs	217,000	230,215
Utility Connection Fees	10,000	10,618
Data/Telecom Wiring	7,380	7,829
Furnishings and Equipment	290,000	307,910
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	3,399,472	3,606,757
Miscellaneous		
Advertising	1,458	1,548
Printing	7,291	7,741
Bond Sale Costs	0	0
Agency Moving Costs	210,000	222,969
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	218,749	232,258
Total Project Cost	4,129,395	4,372,336

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Building cost (12,300sf @ \$170/sf)	2,091,000
2. Land Development (2 acres @ \$6/sf)	522,720
Total	2,613,720
FF&E	290,000
Moving Costs	210,000
Typical O&M (\$/sf/year today) = 8.01 Estimated Inflation (%/year) = 2.70 Project Area (sf) = 12,300 Life Cycle (years) = 30 Operation & Maintenance Cost = 4,463,187 Construction Cost = 4,438,059 Total Life Cycle Cost = 8,901,245	

Proj. No.: C03 TAG Plant (NNCC)

Agency: DMV

Location: Carson City

Detail Description:

The scope of this project is to design and construct a new prefabricated metal building of approximately 12,300 sf to accommodate the DMV license plate factory to be located just outside of the security area at the Stewart Conservation Camp - Northern Nevada Correctional Center.

This project is planned to be 100% highway funded.

Project Justification:

The current license plate factory is located at the now closed Nevada State Prison (NSP). In preparation for the closure of NSP the Department of Corrections replaced the established inmate workforce employed at the factory with inmates from the Stewart Conservation Camp, having less than two years remaining on their prison sentences. These inmates require minimum supervision. They are transported to and from the current factory daily. Constructing a new facility adjacent to, yet outside the perimeter fence of the Stewart Conservation Camp, would prove to be of mutual benefit to both the Department of Corrections and the Department of Motor Vehicles. Relocating the factory would be the last step in closing down the NSP.

Background Information:

Constructing a new factory with warehousing capacity incorporated into the facility would eliminate the need for DMV to lease separate warehousing space.

Project No:	C04		Funding Summary	
Title:	Water Production Well (Indian Springs Prison Complex)		State:	822,445
Description:	Design and construct a new water production well including associated piping to existing water system		Agency:	
			Federal:	
Department:	NDOC	Division:	HDSP	Other:
Agency:	HDSP	Project Mgr:	DMD	Total:
				822,445

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	New	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Indian Springs	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	67,120	71,265
Surveys	12,000	12,365
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	4,208	4,336
Civil Plan Check	1,307	1,347
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 Service	0	0
PWB Project Mgmt & Inspection	54,040	54,040
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	138,675	143,353
Building Costs		
Construction	552,000	585,617
Construction Contingency	82,800	87,843
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
Other	0	0
Sub Total	634,800	673,459
Miscellaneous		
Advertising	852	905
Printing	4,258	4,521
Bond Sale Costs	195	207
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,305	5,633
Total Project Cost	778,780	822,445

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Production Well (1,000 lf @ \$425/lf)	425,000
2. Piping Connections	35,000
3. Site Electrical	45,000
	Total
	460,000
4. Remote Facility Allowance (20%)	92,000
	Total
	552,000
AE Fee Calculation:	
1. Engineering (6% of \$552,000)	33,120
2. Speciality - Hydrology (8% of \$425,000)	34,000
	Total
	67,120

Proj. No.: C04 Water Production Well (Indian Springs Prison Complex)

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

This project will design and construct a new domestic water production well at the High Desert State Prison - Southern Desert Correctional Center Well Field.

Project Justification:

Over the past 12 months the department has spent almost \$100,000 in well repairs at the Indian Springs Complex. During the summer of 2011 Well 2 was down from 6/2/11 through 8/2/11; and Well 5 was down the months of January, April, May, June, and again for repairs between 8/25/2011 through 9/22/11. These repairs placed additional pressure on Wells 2, and 3 to work almost 24 hours, 7 days per week during those periods. Well 4 has been down for repairs from 1/18/12 - 3/13/12. The repairs for these wells are approaching \$50,000. During 2011, two (2) of the wells were out of service at the same time for several weeks due to mechanical issues with the pumps.

In order to ensure the safety of the entire complex water supply redundancy is critical and a new water production well would provide a redundancy to support a prison population of 5,000 inmates.

Background Information:

The wells that supply water to Southern Desert Correctional Center, Three Lakes Valley Conservation Camp and High Desert State Prison were built/installed in 1979 and 1997 and deliver an average of 600,000 gallons of water each day. During the summer months the Well Systems deliver about 800,000 gallons of water each day.

Project No:	C05		Funding Summary	
Title:	Loading Dock (Nevada State Museum)		State:	987,039
Description:	Construct a loading dock on the south side of the Nevada State Museum on Robinson Street.		Agency:	
			Federal:	
Department:	CultAffr	Division:	MusHist	Other:
Agency:	Museum	Project Mgr:	RMO	Total:
				987,039

Project Group:	Labs, Medical or Museums	Building Area:	1,200	gsf
Project Type:	Addition	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	88,500	93,965
Surveys	5,000	5,152
Soils Analysis	3,500	3,606
Materials Testing Services	9,004	9,560
Structural Plan Check	1,604	1,653
Mechanical Plan Check	1,810	1,865
Electrical Plan Check	1,086	1,119
Civil Plan Check	1,364	1,405
ADA Plan Check	1,810	1,865
Fire Marshal Plan Check	1,855	2,867
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	74,265	74,265
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	189,798	197,324
Building Costs		
Construction	603,500	640,253
Construction Contingency	90,525	96,038
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	15,000	15,926
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	5,000	5,000
Local Government Requirements	10,000	10,618
Hazardous Material Abatement	15,000	15,926
Other	0	0
Sub Total	739,025	783,761
Miscellaneous		
Advertising	896	951
Printing	4,478	4,755
Bond Sale Costs	234	248
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,608	5,954
Total Project Cost	934,431	987,039

Remarks	
R E M A R K S	
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Construction Cost Detail:	
1. Enclosed loading dock (1,000 sf @ \$275/sf)	275,000
2. Concrete driveway (1,200 sf @ \$20/sf)	24,000
3. Relocate gas meter & line, add bollards	24,000
4. Dust collector & compressor equipment	75,000
5. Storage building (200 sf @ \$200/sf)	40,000
6. Remove underground storage tank	38,000
7. Relocate emergency generator	32,000
8. Perimeter screen wall (100 lf @ \$250/lf)	25,000
9. Dock leveler	12,000
10. Metal gates	12,500
11. Concrete ramp and stairs	31,000
12. Site/building demolition	15,000
Total	603,500

Proj. No.: C05 Loading Dock (Nevada State Museum)

Agency: Museums and History

Location: Carson City

Detail Description:

The scope of this project would design and construct a loading dock for moving large objects and materials in and out of the Museum changing galleries. In addition, there will be a small storage building for grounds maintenance equipment and flammable materials. This project will install a dust collection system and air compressor for the basement wood shop; remove an abandoned underground fuel tank; relocate an emergency generator and create a screen wall to conceal unsightly utilities highly visible to the public on the south wall of the Nevada State Museum.

Project Justification:

This project is necessary to provide safe and efficient access to the museum's major changing galleries and other galleries. A loading dock is essential for moving large exhibit props and crates, oversize artifacts like horse-drawn vehicles, and heavy objects in and out of the museum. Currently museum staff lifts large and heavy objects off trucks and upstairs, creating potential risks of injury and damage to collections and property. Without a loading dock, the museum is limited in its ability to offer large-sized traveling exhibits and such exhibits generate important publicity, attendance, and revenue for the museum. An enclosed loading dock would screen unsightly utilities and equipment on the museum's highly visible south side. Currently, an unattractive chain-link fence surrounds utilities. In addition, a storage building will be attached to the proposed dock to accommodate the storage of ground maintenance equipment and flammable fuels for maintenance equipment.

Background Information:

The museum is within the Carson City Historic District and the Carson City Mint is listed on the National Register of Historic Places.

The need for a loading dock has existed for many years. The CIP was previously requested during the FY 2005, 2007, 2009, and 2011 legislative sessions.

Project No: C06
Title: Compact Shelving (State Library and Archives Building)
Description: Convert half of basement Static Shelving to High Density Mobile Shelving

Funding Summary
State: 700,144
Agency:
Federal:
Other:
Total: 700,144

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

Project Group: Labs, Medical or Museums **Building Area:** 0 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	13,351	14,176
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	750	773
Civil Plan Check	0	0
ADA Plan Check	0	0
Fire Marshal Plan Check	531	821
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	12,627	12,627
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	27,259	28,396
Building Costs		
Construction	95,500	101,316
Construction Contingency	14,325	15,197
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	485,000	514,952
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	594,825	631,466
Miscellaneous		
Advertising	462	491
Printing	2,312	2,455
Bond Sale Costs	165	175
Agency Moving Costs	35,000	37,161
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	37,939	40,282
Total Project Cost	660,023	700,144

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Electrical power costs	16,000
2. VCT Flooring (7,000 sf @ \$4.50)	31,500
3. Rubber Transition Strips	5,000
4. Lighting modifications	15,000
5. Fire sprinkler modifications (7,000 sf @ \$2/sf)	14,000
6. Fire alarm modifications (7,000 sf @ \$2/sf)	14,000
Total	95,500
FF&E Detail:	
7. Shelving	485,000

Proj. No.: C06 Compact Shelving (State Library and Archives Building)

Agency: Library and Archives

Location: Carson City

Detail Description:

The scope of this project includes the phased removal of half of the basement static shelving and replaces it with high density mobile compact shelving. In order to install the new shelving, this area will need some minor remodel work including new electrical service for the power operated shelving and floor covering in the aisles.

Project Justification:

To fully accommodate the growing paper record storage requirements of state government, the State Records Center facility needs more storage space. With existing restrictions on expansion, the only way the facility can meet this need is to maximize the current space by converting the existing static shelving to high density compact shelving. The State Records Center provides secured storage of records for all state agencies that must be maintained per NRS 230.080. Inactive and low-use records storage in active office space in various agencies is inefficient and expensive. In its current configuration of static shelving storage, the State Records Center provides an estimated statewide cost-avoidance of \$875,000 per year for the State. By increasing the storage capacity of the Records Center through the proposed installation of compact shelving, the increased capacity will provide an estimated increase in statewide cost-avoidance of \$744,000 per year.

Unlike most records retained in agency office space, records stored at the Records Center are managed by a database that facilitates the periodic destruction and transfer of records per established retention and disposition criteria. Storing inactive records at the Records Center can reduce costs, reduce litigation exposure, improve services, and meet transparency and accountability commitments.

Background Information:

The mission of the State Records Center is to provide efficient and cost effective secure storage and retrieval for inactive state records. This project was first proposed in the 2009 CIP, but has not received funding. Since that time, the need for this additional storage capacity has increased as well as the cost to install the necessary compact shelving system.

Project No:	M01			Funding Summary	
Title:	Life Safety Upgrades (Lake's Crossing)	State:		830,556	
Description:	Life safety upgrades to the fire alarms and sprinkler systems, rated walls/doors, emergency lighting and seismic bracing of building systems	Agency:			
		Federal:			
Department:	DHHS	Division:	MH/DS	Other:	
Agency:	Lakes	Project Mgr:	RLC	Total:	830,556

Project Group:	Armory, Military or Prisons	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Sparks	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	77,095	81,856
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,542	1,589
Electrical Plan Check	925	953
Civil Plan Check	0	0
ADA Plan Check	0	0
Fire Marshal Plan Check	1,643	2,539
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	63,167	63,167
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	144,372	150,105
Building Costs		
Construction	513,965	545,265
Construction Contingency	77,095	81,790
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	45,000	47,779
Other	0	0
Sub Total	636,060	674,835
Miscellaneous		
Advertising	849	901
Printing	4,245	4,507
Bond Sale Costs	196	208
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,290	5,617
Total Project Cost	785,722	830,556

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Upgrade fire alarms (35,804 sf @ \$6/sf)	214,824
2. Upgrade fire sprinklers (35,804 sf @ \$4.50/sf)	161,118
3. Replace / upgrade metal doors	68,000
4. Upgrade smoke barriers / rated walls	28,000
5. Upgrade exit lighting	35,000
6. Seismic upgrade of building systems	75,000
	Total
	367,118
7. Secure facility allowance (20%)	73,424
8. Occupied facility allowance (20%)	73,424
	Total
	513,965

Proj. No.: M01 Life Safety Upgrades (Lake's Crossing)

Agency: Lakes Crossing Center

Location: Sparks

Detail Description:

The scope of this project includes the design and replacement of the fire alarm system (panel, wiring, enunciator, detectors, pull stations, and accessories); upgrades / expansion to the Sprinkler Systems; replacement of all doors that are either non-fire rated or damaged due to client abuse; reconstruction of the walls and smoke barriers (including dampers); upgrades to the emergency exit lighting system; and seismic upgrades to the mechanical, electrical and fire sprinkler systems.

Project Justification:

The current fire alarm system is older and is experiencing intermittent problems due to the age of the components. The repeated maintenance and repair of the old system is costly, and is in need to be replaced with a newer more efficient system. Installation of the new system will allow the expansion of coverage to include horns and strobes and all other devices to meet the current codes. The sprinkler system has to be upgraded to extend coverage to the Medical Records space, storage areas and the client rooms. In addition, the current doors do not meet the current fire and safety regulations. All of these upgrades will allow the agency to apply for accreditation with the Centers for Medicare & Medicaid Services (CMS) which will allow Lakes Crossing to receive Medicare reimbursements to cover healthcare costs. These reimbursements have been estimated at \$744,000 to \$1,203,000 annually. The Governor's Executive Auditors have allowed a 5 year time frame (by October of 2014) to become CMS certified.

Background Information:

The building's fire alarm system was expanded in 1999. The current system cannot be expanded any further. It only has audible alarms and no visual alarm. This presents a life safety issue and places the facility in a position of legal liability. The old system presents a barrier to maintaining BLC (state Bureau of Licensure and Certification) licensure for the program. Maintaining licensure from BLC as well as seeking licensure with the Joint Commission on Accreditation of Hospital Organizations (JCAHO) will allow the facility to objectively demonstrate it is meeting state and national standards for health care. For accreditation by the Joint Commission and/or certification by the Centers for Medicare and Medicaid Services (CMS), the current Fire and Life Safety Codes must be met as per the citation "Condition of Participation 482.41 Fire and Life Safety". This project was requested in 2011.

Project No:	M02			Funding Summary	
Title:	Fire/Smoke Control System Upgrades (Sawyer Office Building)			State:	986,036
Description:	This project will modernize the non-structural life safety systems at the Grant Sawyer office building (continuation of project 11-M08a).			Agency:	
				Federal:	
Department:	Admin	Division:	SPWD	Other:	
Agency:	B&G	Project Mgr:	BBM	Total:	986,036

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	226,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	34,000	36,100
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	2,500	3,864
Code Compliance Plan Check	2,500	2,576
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	30,651	30,651
3rd Party Commissioning	75,000	79,632
FF&E Design Fee	0	0
Other	0	0
Sub Total	144,651	152,823
Building Costs		
Construction	678,000	719,290
Construction Contingency	101,700	107,894
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
Other	0	0
Sub Total	779,700	827,184
Miscellaneous		
Advertising	908	964
Printing	4,539	4,819
Bond Sale Costs	232	246
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,679	6,030
Total Project Cost	930,030	986,036

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Fire/smoke damper modifications	150,000
2. Fire alarm panel modifications	75,000
3. Temperature controls	75,000
4. Electrical modifications	150,000
5. Drywall/ceiling repairs	40,000
6. Commissioning and third party testing	75,000
	Total
	565,000
7. Occupied Facility Allowance (20%)	113,000
	Total
	678,000

Proj. No.: M02 Fire/Smoke Control System Upgrades (Sawyer Office Building)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project will redesign the fire and smoke control system to separate the control of the fire/smoke system and convert the design/installation to comply with the 2012 International Building Code.

Project Justification:

The Sawyer Building has a non-dedicated fire panel and smoke control system that shares control of the fire/smoke dampers, fans, and air flow with the HVAC temperature control system through common controllers that are components of the HVAC direct digital control system. It is required that the common components be listed as a fire system component. The manufacturer of the HVAC components has chosen to no longer manufacture listed components for replacement purposes; therefore, these systems need to act independently and the associated devices need to be replaced to accomplish this function. This project is a continuation of a planning project funded by the 2011 CIP (SPWD project no. 11-M08a).

Background Information:

The Sawyer Building was constructed in 1995 and is approximately 226,000 square feet.

Project No: M03
Title: Radon Mitigation (Gallagher Fish Hatchery)
Description: Radon mitigation at fish hatchery building and at one on-site residence.

Funding Summary
State: 202,286
Agency:
Federal:
Other:
Total: 202,286

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

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 12,100 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Ruby Valley **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	15,000	15,926
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	1,892	2,009
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	1,663	1,714
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 Service	0	0
PWB Project Mgmt & Inspection	12,000	12,000
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	30,555	31,649
Building Costs		
Construction	138,600	147,041
Construction Contingency	20,790	22,056
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
Other	0	0
Sub Total	159,390	169,097
Miscellaneous		
Advertising	900	956
Printing	500	531
Bond Sale Costs	51	54
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,451	1,541
Total Project Cost	191,396	202,286

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Residence radon system installation	9,500
2. Fish nursery equipment & pilot testing	16,000
3. Fish nursery radon system	
a. Building vapor removal	15,000
b. Supply water enclosure and aeration	75,000
	Total 115,500
4. Remote site allowance (20%)	23,100
	Total 138,600

Proj. No.: M03 Radon Mitigation (Gallagher Fish Hatchery)

Agency: Wildlife

Location: Ruby Valley

Detail Description:

The scope of this work is to install a radon reduction system in the fish nursery building and a system in the remaining residence that does not have a radon reduction system installed.

Project Justification:

The Gallagher facility is located at the base of the Ruby Mountains in a location that has naturally occurring and elevated levels of radon gas. Four of the five housing units have been equipped with radon reduction systems. The fish hatchery building was recently evaluated for radon and found to have a concentration of approximately 9 pCi/L radon. The current EPA Guideline for radon is 4.0 pCi/L. It should be noted this is a guideline and that the actual regulatory standard is still under review (has been for years) with a final concentration standard reported to be between 2.0 and 4.0 pCi/L.

The elevated levels of radon appear to be due to the natural spring that supplies the fish hatchery with water. The radon gas is emitted into the air as the water stabilizes to the open trough water flow in the building. The gas accumulates in the building.

It is proposed to conduct limited pilot tests to determine the flow rate necessary to aerate the water before it enters the building. This would remove the radon prior to entering the building space. Pilot testing is required to be conducted to verify that the air flows do not increase the water temperature or decrease the building temperature during the winter months.

Background Information:

Radon has been an issue at the facility due to its location at the foot of the Ruby Mountains. Previous work was conducted by the Federal Government to protect their employees when they occupy the residences at the facility.

Project No: M04
Title: Control Room Renovation (Lake's Crossing)
Description: Replace door, lighting, and intercom control systems

Funding Summary
State: 1,610,008
Agency:
Federal:
Other:
Total: 1,610,008

Department: DHHS **Division:** MH/DS
Agency: Lakes **Project Mgr:** CAD

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Sparks **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	109,717	116,493
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	6,141	6,328
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 Service	0	0
PWB Project Mgmt & Inspection	87,818	87,818
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	203,676	210,639
Building Costs		
Construction	1,141,000	1,210,487
Construction Contingency	171,150	181,573
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
Other	0	0
Sub Total	1,312,150	1,392,060
Miscellaneous		
Advertising	1,084	1,151
Printing	5,419	5,754
Bond Sale Costs	381	405
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	6,884	7,309
Total Project Cost	1,522,710	1,610,008

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Replace door, lighting and intercom control system	400,000
2. Replace camera monitoring system	180,000
3. Replace wiring and conduit	125,000
4. Replace personal duress system	110,000
	Total 815,000
5. Secure facility allowance (20%)	163,000
6. Occupied facility allowance (20%)	163,000
	Total 1,141,000

Proj. No.: M04 Control Room Renovation (Lake's Crossing)

Agency: Lakes Crossing Center

Location: Sparks

Detail Description:

This project is to renovate the control room, which is used to control all the security functions at the Lakes Crossing Center on the Northern Nevada Adult Mental Health Services campus. These security functions include door and intercom control functions for the exterior doors and internal security doors such as sally ports. There is also the need for cameras in the observation rooms, so that the activities can be monitored from the nurses' station. The current personal duress system is outdated and the manufacturer is no longer in business.

Project Justification:

These controls are the original units that were installed in this facility more than 30 years ago. They provide the security throughout the entire building, including monitoring and controlling movement of clients and staff throughout the building. The age of these controls, along with frequent daily usage, has rendered them problematic. Replacement components are very difficult to procure for this age equipment. There is also the need to see the activities in the observation rooms collectively from the nurses' station.

Background Information:

This project was also requested in 2009 and 2011.

Project No:	M05		Funding Summary	
Title:	Repair/Upgrade Door Control Panels (HDSP) - Phase 1		State:	2,150,169
Description:	Repair and Upgrade Door, Light, and Intercom Controls in 1 Housing Unit, 3 Towers, and Security Admin Bldg.		Agency:	
			Federal:	
Department:	NDOC	Division:	HDSP	Other:
Agency:	HDSP	Project Mgr:	CAD	Total:
				2,150,169

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Indian Springs	Total Inflation:	6.09%	

	2012	2014	Remarks
Professional Services			REMARKS All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided. Construction Cost Detail: 1. Replace controls in 1 housing unit (approx 200 doors) 650,000 2. Replace controls in 3 towers (7 doors each) 180,000 3. Replace controls in security admin (approx 10 doors) 220,000 4. Replace intercom system interface 50,000 Total 1,100,000 5. Secure facility allowance (20%) 220,000 6. Remote site allowance (20%) 220,000 Total 1,540,000
A/E Design & Supervision	120,000	127,411	
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	6,540	6,739	
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 Service	0	0	
PWB Project Mgmt & Inspection	128,998	128,998	
3rd Party Commissioning	0	0	
FF&E Design Fee	0	0	
Other	0	0	
Sub Total	255,538	263,148	
Building Costs			
Construction	1,540,000	1,633,786	
Construction Contingency	231,000	245,068	
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	
Other	0	0	
Sub Total	1,771,000	1,878,854	
Miscellaneous			
Advertising	1,197	1,271	
Printing	5,987	6,357	
Bond Sale Costs	508	539	
Agency Moving Costs	0	0	
Land Purchase	0	0	
Purchasing Assessment	0	0	
Sub Total	7,692	8,167	
Total Project Cost	2,034,230	2,150,169	

Proj. No.: M05 Repair/Upgrade Door Control Panels (HDSP) - Phase 1

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

This project is the first phase in replacing the existing secured door control system with a programmable logic controlled system using touch screens for actuation and door status. This project would replace door control systems for a housing unit, the administration building and three guard towers. It is also to replace wiring, as damage has occurred.

Project Justification:

The existing control system is a hardwired system, and is approximately 12 years old. The manufacturer of this system is no longer in business, and parts are becoming more difficult to obtain and are expensive.

Background Information:

Phase 1 of High Desert State Prison has been in operation since 2000.

Project No:	M06			Funding Summary	
Title:	Replace Door Control Panels (Lovelock Correctional Center)- Phase 1			State:	2,332,830
Description:	Replace Control Panels and Intercoms in One Housing Unit and Common Area with Touch Screen Control System			Agency:	
				Federal:	
Department:	NDOC	Division:	LCC	Other:	
Agency:	LCC	Project Mgr:	CAD	Total:	2,332,830

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Lovelock	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	175,000	185,807
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	6,631	6,833
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 Service	0	0
PWB Project Mgmt & Inspection	141,954	141,954
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	323,585	334,594
Building Costs		
Construction	1,631,000	1,730,328
Construction Contingency	244,650	259,549
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
Other	0	0
Sub Total	1,875,650	1,989,877
Miscellaneous		
Advertising	1,220	1,295
Printing	6,101	6,478
Bond Sale Costs	552	586
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	7,873	8,359
Total Project Cost	2,207,108	2,332,830

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Replace access controls in 1 housing unit	650,000
2. Replace access controls in a single common area	200,000
3. Integration with fire alarm, paging system, etc.	105,000
4. Replace wiring as necessary	80,000
5. Replacement of intercom system	50,000
6. Replacement of necessary switches, locks, etc.	80,000
Total	1,165,000
7. Remote location allowance (20%)	233,000
8. Secure facility allowance (20%)	233,000
Total	1,631,000

Proj. No.: M06 Replace Door Control Panels (Lovelock Correctional Center)- Phase 1
Agency: Lovelock Correctional Center
Location: Lovelock

Detail Description:

This project is the first phase of several to replace the existing secured door control system with a programmable logic controlled system using touch screens for actuation and door status. This project would replace door control systems for one housing unit and in a single controlled inmate area. It is also to replace wiring as necessary, as rodent damage has occurred.

Project Justification:

The existing control system is a hardwired system, and is approximately 18 years old. The manufacturer of this system is no longer in business, and parts are becoming more difficult to obtain and are expensive as they are only available from second tier suppliers. The existing system has lost its programs multiple times, requiring reloading of programs from backup media. The removed door control equipment will be used as spare parts for the remaining systems until they can be replaced.

Background Information:

Phase 1 of the Lovelock Correctional Center has been in operation since 1995. This project was requested in 2009.

Project No: M07
Title: Replace High Mast Lighting (Southern Desert Correctional Center)
Description: Includes wiring, lowering systems, lamps, and ballasts

Funding Summary
State: 1,732,918
Agency:
Federal:
Other:
Total: 1,732,918

Department: NDOC **Division:** SDCC
Agency: SDCC **Project Mgr:** CAD

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Indian Springs **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	90,846	96,456
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	6,264	6,455
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 Service	0	0
PWB Project Mgmt & Inspection	80,058	80,058
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	177,168	182,969

Building Costs		
Construction	1,264,200	1,341,190
Construction Contingency	189,630	201,178
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
Other	0	0
Sub Total	1,453,830	1,542,368

Miscellaneous		
Advertising	1,122	1,191
Printing	5,609	5,955
Bond Sale Costs	409	434
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	7,140	7,581

Total Project Cost **1,638,138** **1,732,918**

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Demolish and replace feeders 18,000 ft	350,000
2. Replace heads, ballasts and lamps in 22 Poles	264,000
3. Replacing cable lowering systems	220,000
4. Replace wiring in poles	44,000
5. Replace 10 vaults	25,000
Total	903,000
6. Secure facility allowance (20%)	180,600
7. Remote site allowance (20%)	180,600
Total	1,264,200

Proj. No.: M07 Replace High Mast Lighting (Southern Desert Correctional Center)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

Replace feeders, heads, lamps, ballasts, lowering mechanisms, and circuit components for 22 high mast lights. This is necessary due to failing underground electrical conductors and lighting components located in the prison yard. Some vaults also may require replacement.

Project Justification:

Lighting is extremely important in prison settings after dark for safety of staff and inmates. The lighting system has many components that are almost 30 years old, and have become a source of many maintenance issues. Renovating the entire feeder system, lamps, ballasts, lowering mechanisms, and circuit components as required will provide needed life and reliability for the lighting system.

Background Information:

This facility was built in the early 1980s, and has been used as a medium security facility. A similar project was requested in 2009 and 2011.

Project No:	M08			Funding Summary	
Title:	Mail Room HVAC System Installation (Sawyer Office Building)			State:	297,956
Description:	This project will separate the HVAC system for the mail room from the rest of the building at the Grant Sawyer Building.			Agency:	
				Federal:	
Department:	Admin	Division:	SPWD	Other:	
Agency:	B&G	Project Mgr:	BBM	Total:	297,956

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	226,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	20,002	21,237
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,993	2,054
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	16,709	16,709
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	39,454	40,773
Building Costs		
Construction	207,600	220,243
Construction Contingency	31,140	33,036
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
Other	0	0
Sub Total	238,740	253,279
Miscellaneous		
Advertising	601	638
Printing	3,006	3,192
Bond Sale Costs	70	74
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,677	3,904
Total Project Cost	281,871	297,956

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Fan coil unit (4-ton)	8,000
2. Piping modifications	25,000
3. Ductwork modifications	45,000
4. Ceiling modifications	40,000
5. Electrical modifications	15,000
6. Demolition/rigging	20,000
7. Testing and balancing	6,000
8. Commissioning	4,000
9. Emergency shutoff switch	10,000
	Total
	173,000
10. Occupied Facility Allowance (20%)	34,600
	207,600

Proj. No.: M08 Mail Room HVAC System Installation (Sawyer Office Building)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project would separate the HVAC system that serves the loading dock and mail room from the systems that serve the rest of the building.

Project Justification:

The air handler that serves the mail room and loading dock also serves other occupied spaces in the building that would be subject to contamination in the event of an airborne contaminant release in the loading dock and/or mail room area.

Background Information:

The Grant Sawyer Building was constructed in 1995 and is approximately 226,000 square feet.

Project No: M09
Title: Boiler Plant Improvements (Lake's Crossing)
Description: Replace existing boilers with new high efficiency boilers and pumps.

Funding Summary
State: 266,028
Agency:
Federal:
Other:
Total: 266,028

Department: DHHS **Division:** MH/DS
Agency: Lakes **Project Mgr:** DBN

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 35,800 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Sparks **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	22,055	23,417
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,699	1,751
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	20,450	20,450
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	44,954	46,391
Building Costs		
Construction	177,000	187,779
Construction Contingency	26,550	28,167
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
Other	0	0
Sub Total	203,550	215,946
Miscellaneous		
Advertising	569	604
Printing	2,845	3,021
Bond Sale Costs	63	67
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,477	3,692
Total Project Cost	251,981	266,028

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Gas-fired boilers (700 mbh) @ \$30,000 each	60,000
2. (2) Primary pumps (1 hp) @ \$2,500 each	5,000
3. (2) Secondary pumps (5 hp) @ \$7,000 each	14,000
4. (2) Variable frequency drives for secondary pumps	8,000
5. Piping modifications (including insulation)	25,000
6. Boiler flues and combustion air (25 lf each)	12,000
7. Gas piping and pressure regulators	4,000
8. Concrete equipment pads and concrete coring	3,000
9. Electrical power modifications	5,000
10. Demolition and disposal of existing equipment	5,000
11. Testing and balancing	3,000
12. Flush, clean, and treat heating water piping system	3,000
13. Direct digital controls for boilers and pumps	24,000
14. Commissioning	3,000
15. Roofing (at new boiler flues)	3,000
Total	177,000

Proj. No.: M09 Boiler Plant Improvements (Lake's Crossing)

Agency: Lakes Crossing Center

Location: Sparks

Detail Description:

This project includes removal of the existing gas-oil boilers which are approximately 15 years old, and replacing them with two new high efficiency gas boilers. New hot water distribution pumps and new direct digital controls are also included in this project.

Project Justification:

The existing boilers have reached the end of their useful life and are very inefficient as compared to currently available boiler technology.

Background Information:

The age and the inefficiency of the existing boilers make replacement of these boilers essential. This building is approximately 35,800 square feet.

Project No: M10
Title: Replace Boiler Burners (Ely State Prison)
Description: The purpose of this project is to replace the boiler burner assemblies at the Ely State Prison.
Department: NDOC **Division:** ESP
Agency: ESP **Project Mgr:** BBM

Funding Summary
State: 672,249
Agency:
Federal:
Other:
Total: 672,249

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Ely **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	51,162	54,322
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	3,478	3,584
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 Service	0	0
PWB Project Mgmt & Inspection	45,456	45,456
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	100,096	103,361
Building Costs		
Construction	462,000	490,136
Construction Contingency	69,300	73,520
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
Other	0	0
Sub Total	531,300	563,656
Miscellaneous		
Advertising	795	844
Printing	3,973	4,218
Bond Sale Costs	159	169
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,927	5,231
Total Project Cost	636,323	672,249

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (3) Boiler burner assemblies @ \$100,000 each	300,000
2. Control modifications	25,000
3. Commissioning	5,000
Total	330,000
4. Secure facility allowance (20%)	66,000
5. Remote site allowance (20%)	66,000
Total	462,000

Proj. No.: M10 Replace Boiler Burners (Ely State Prison)

Agency: Ely State Prison

Location: Ely

Detail Description:

The purpose of this project is to replace the boiler burner assemblies at the Ely State Prison.

Project Justification:

The existing boilers are critical to the facility and provide the necessary heat for space heating, domestic water, culinary, and laundry. Failure of the burner assemblies would result in a loss of these essential functions.

Background Information:

The existing boiler burner assemblies are approximately 25 years old and have reached the end of their useful service life. The Ely State Prison was constructed between 1987 and 1989.

Project No:	M11			Funding Summary	
Title:	Replace Air Handling Units (Ely State Prison) - Phase I			State:	4,989,248
Description:	The purpose of this project is to replace the roof-mounted air handling units serving the housing units at the Ely State Prison.			Agency:	
				Federal:	
Department:	NDOC	Division:	ESP	Other:	
Agency:	ESP	Project Mgr:	BBM	Total:	4,989,248

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Ely	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	330,000	350,380
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	7,880	8,120
Electrical Plan Check	4,880	5,028
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 Service	0	0
PWB Project Mgmt & Inspection	223,102	223,102
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	565,862	586,630
Building Costs		
Construction	3,599,400	3,818,603
Construction Contingency	539,910	572,791
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
Other	0	0
Sub Total	4,139,310	4,391,394
Miscellaneous		
Advertising	1,565	1,662
Printing	7,827	8,310
Bond Sale Costs	1,179	1,252
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	10,571	11,224
Total Project Cost	4,715,743	4,989,248

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (16) Air handling units (10,000 cfm) @ \$140,000 each	2,240,000
2. Ductwork modifications	75,000
3. Piping modifications	75,000
4. Temperature controls	64,000
5. Water treatment	5,000
6. Demolition/rigging	24,000
7. Electrical modifications	32,000
8. Roofing modifications	24,000
9. Testing & balancing	16,000
10. Commissioning	16,000
	Total
	2,571,000
11. Secure facility allowance (20%)	514,200
12. Remote site allowance (20%)	514,200
	Total
	3,599,400

Proj. No.: M11 Replace Air Handling Units (Ely State Prison) - Phase I

Agency: Ely State Prison

Location: Ely

Detail Description:

The purpose of this project is to replace the existing roof-mounted air handling units serving the housing units at the Ely State Prison. This project is the first phase in replacing roof-mounted air handling units.

Project Justification:

The existing air handling units are approximately 25 years old and have reached the end of their useful service life. Spare parts will become available as a result of replacing the units.

Background Information:

This project was originally requested for the 2005 CIP but not funded. In 2007, an emergency project was approved and completed to install temporary cooling measures which were expected to last 3-5 years. The Ely State Prison was constructed between 1987 and 1989. Future phases will include the balance of the air handling units that are not part of this phase.

Project No:	M12			Funding Summary	
Title:	Replace Air Handling Units (Lovelock Correctional Center) - Phase 1			State:	3,908,807
Description:	Replace existing air handling units serving the Phase 1 housing units at the Lovelock Correctional Center.			Agency:	
				Federal:	
Department:	NDOC	Division:	LCC	Other:	
Agency:	LCC	Project Mgr:	DBN	Total:	3,908,807

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Lovelock	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	301,341	319,951
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	7,187	7,406
Electrical Plan Check	4,187	4,314
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 Service	0	0
PWB Project Mgmt & Inspection	231,168	231,168
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	543,883	562,839
Building Costs		
Construction	2,734,200	2,900,713
Construction Contingency	410,130	435,107
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
Other	0	0
Sub Total	3,144,330	3,335,820
Miscellaneous		
Advertising	1,439	1,528
Printing	7,195	7,639
Bond Sale Costs	924	981
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	9,558	10,148
Total Project Cost	3,697,771	3,908,807

REMARKS	
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Construction Cost Detail:	
1. (4) Air handling units (18,000 cfm) @ \$180,000 each	720,000
2. (8) Air handling units (5,000 cfm) @ \$125,000 each	1,000,000
3. Ductwork modifications	50,000
4. Piping modifications	50,000
5. Roofing modifications	20,000
6. Crane/rigging	15,000
7. Electrical power modifications	20,000
8. Demolition and disposal of existing equipment	16,000
9. Testing and balancing	12,000
10. Chemical treatment	4,000
11. Direct digital controls modifications	40,000
12. Commissioning	6,000
Total	1,953,000
13. Remote site allowance (20%)	390,600
14. Secure facility allowance (20%)	390,600
Total	2,734,200

Proj. No.: M12 Replace Air Handling Units (Lovelock Correctional Center) - Phase 1

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project includes replacement of the existing evaporative cooling air handling units at each of the Phase I housing units which are approximately 18 years old. This project is the first phase in replacing evaporative cooling air handling units.

Project Justification:

The existing air handling units have reached the end of their useful life, have poor cooling capability, and are no longer reliable.

Background Information:

The age and the inefficiency of the existing air handling units make replacement of these air handling units essential.

Project No: M13
Title: Underground Piping Assessment (Lovelock Correctional Center)
Description: Evaluate potential leakage and/or corrosion in heating water piping serving multiple buildings at the Lovelock Correctional Center.
Department: NDOC **Division:** LCC
Agency: LCC **Project Mgr:** DBN

Funding Summary
State: 262,325
Agency:
Federal:
Other:
Total: 262,325

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Lovelock **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	40,588	43,095
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	40,000	42,470
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 Service	0	0
PWB Project Mgmt & Inspection	17,340	17,340
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	97,928	102,905
Building Costs		
Construction	147,000	155,952
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
Other	0	0
Sub Total	147,000	155,952
Miscellaneous		
Advertising	534	567
Printing	2,670	2,835
Bond Sale Costs	62	66
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,266	3,468
Total Project Cost	248,194	262,325

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Piping repair allowance	80,000
2. Excavation and backfill allowance	20,000
3. Chemical treatment allowance	5,000
Total	105,000
4. Remote site allowance (20%)	21,000
5. Secure facility allowance (20%)	21,000
Total	147,000

Proj. No.: M13 Underground Piping Assessment (Lovelock Correctional Center)

Agency: Lovelock Correctional Center

Location: Lovelock

Detail Description:

This project includes assessing/evaluating potential leakage and corrosion in the existing underground heating water piping which is approximately 18 years old. The scope of work will also include repair of leaks that may be discovered during the assessment process.

Project Justification:

The existing piping has begun to corrode and leak in several locations.

Background Information:

The potential for loss of heating at all buildings on this site makes assessment of this piping essential.

Project No:	M14			Funding Summary	
Title:	Replace Main Electrical Loop and Switchgear (SDCC)	State:		2,212,653	
Description:	Demolish existing 30 year old 4 KV loop power distribution system and replace with 12 KV loop system	Agency:			
		Federal:			
Department:	NDOC	Division:	SDCC	Other:	
Agency:	SDCC	Project Mgr:	CAD	Total:	2,212,653

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Indian Springs	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	141,224	149,946
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	19,478	20,681
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	6,504	6,702
Civil Plan Check	1,952	2,011
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 Service	0	0
PWB Project Mgmt & Inspection	126,942	126,942
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	296,100	306,282
Building Costs		
Construction	1,503,600	1,595,169
Construction Contingency	225,540	239,275
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	50,000	53,088
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	10,618
Other	0	0
Sub Total	1,789,140	1,898,150
Miscellaneous		
Advertising	1,203	1,277
Printing	6,017	6,389
Bond Sale Costs	523	555
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	7,743	8,221
Total Project Cost	2,092,983	2,212,653

REMARKS	
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Construction Cost Detail:	
1. Demolish existing switchgear and transformers	60,000
2. Replace 11 transformers	150,000
3. Add 7 medium voltage switches	84,000
4. Trench 5,500 feet of 12 KV conduit and conductors	550,000
5. Intercept and connect low voltage to buildings	180,000
6. Utility location and site investigation	50,000
	Total 1,074,000
7. Secure facility allowance (20%)	214,800
8. Remote site allowance (20%)	214,800
	Total 1,503,600

Proj. No.: M14 Replace Main Electrical Loop and Switchgear (SDCC)

Agency: Southern Desert Correctional Center

Location: Indian Springs

Detail Description:

Replace 4 KV switchgear and underground loop which are over 30 years old and have had multiple failures. This is necessary due to failing underground electrical conductors and switchgear. Several vaults and pull boxes also may require replacement.

Project Justification:

The electrical system has many components that are over 30 years old, and have become a source of many maintenance issues which have left the facility without power multiple times. Renovating the entire underground feeder system and switching components as required will provide needed life for the electrical system.

Background Information:

Southern Desert Correctional Center was built in the early 1980s, and has been used as a medium security facility.

Project No:	M15			Funding Summary	
Title:	Boiler Replacement (Southern Nevada Women's Correctional Center)			State:	1,109,507
Description:	Replace the existing domestic water heaters and storage tanks at the Florence McClure Women's Correctional Center.			Agency:	
				Federal:	
Department:	NDOC	Division:	SNWCC	Other:	
Agency:	SNWCC	Project Mgr:	BBM	Total:	1,109,507

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	142,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	N. Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	75,061	79,697
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	4,496	4,633
Electrical Plan Check	1,872	1,929
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 Service	0	0
PWB Project Mgmt & Inspection	65,274	65,274
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	146,703	151,532
Building Costs		
Construction	780,000	827,502
Construction Contingency	117,000	124,125
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
Other	0	0
Sub Total	897,000	951,627
Miscellaneous		
Advertising	953	1,012
Printing	4,763	5,057
Bond Sale Costs	262	278
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,978	6,347
Total Project Cost	1,049,681	1,109,507

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (4) Boilers/water heaters (2000 mbh) @ \$75,000 each	300,000
2. (4) Circulation pumps and accessories @ \$6,000 each	24,000
3. (2) Hot water storage tanks (360 gal) @ \$25,000 each	50,000
4. Piping modifications and insulation	120,000
5. Flue and combustion air provisions	45,000
6. Electrical modifications	16,000
7. Demolition/rigging	15,000
8. Temperature controls	60,000
9. Testing & balancing	12,000
10. Commissioning	8,000
	Total
	650,000
11. Secure facility allowance (20%)	130,000
	Total
	780,000

Proj. No.: M15 Boiler Replacement (Southern Nevada Women's Correctional Center)

Agency: Southern Nevada Womens Correctional Center

Location: N. Las Vegas

Detail Description:

The purpose of this project is to replace the domestic hot water boilers at the Southern Nevada Women's Correctional Center.

Project Justification:

The existing water heaters and storage tank have begun to leak and are not maintaining the needs for hot water demand for the kitchen and the cell blocks. New water heaters will provide the ability to produce an adequate supply of domestic hot water for the kitchen and cell areas. The leaks from the water heaters will likely result in failure of the water heaters within the next few years, leaving the facility with no hot water for the kitchen or cell areas.

Background Information:

This building was constructed in 1997 and is approximately 142,000 square feet. Originally this facility was known as the Southern Nevada Women's Correctional Center. It is also known as the Florence McClure Women's Correctional Center

Project No:	M16			Funding Summary	
Title:	Replace Rooftop HVAC Units - Housing Units (SNWCC) - Phase I	State:		697,344	
Description:	Replace the rooftop air conditioning units at the Florence McClure Women's Correctional Center housing units.	Agency:			
		Federal:			
Department:	NDOC	Division:	SNWCC	Other:	
Agency:	SNWCC	Project Mgr:	BBM	Total:	697,344

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	142,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	N. Las Vegas	Total Inflation:	6.09%	

	2012	2014	Remarks																														
Professional Services			<p>REMARKS</p> <p>All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.</p> <p>Construction Cost Detail:</p> <table border="0"> <tr><td>1. (2) HVAC units (17.5-ton) @ \$25,000 each</td><td>50,000</td></tr> <tr><td>2. (8) HVAC units (15-ton) @ \$21,000 each</td><td>168,000</td></tr> <tr><td>3. (2) HVAC units (8.5-ton) @ \$16,000 each</td><td>32,000</td></tr> <tr><td>4. Curb adapters</td><td>24,000</td></tr> <tr><td>5. Plumbing modifications</td><td>12,000</td></tr> <tr><td>6. Ductwork modifications</td><td>36,000</td></tr> <tr><td>7. Electrical modifications</td><td>12,000</td></tr> <tr><td>8. Roofing</td><td>15,000</td></tr> <tr><td>9. Demolition/rigging</td><td>15,000</td></tr> <tr><td>10. Temperature controls</td><td>30,000</td></tr> <tr><td>11. Testing & balancing</td><td>8,000</td></tr> <tr><td>12. Commissioning</td><td>6,000</td></tr> <tr><td style="text-align: right;">Total</td><td>408,000</td></tr> <tr><td>13. Secure facility allowance (20%)</td><td>81,600</td></tr> <tr><td style="text-align: right;">Total</td><td>489,600</td></tr> </table>	1. (2) HVAC units (17.5-ton) @ \$25,000 each	50,000	2. (8) HVAC units (15-ton) @ \$21,000 each	168,000	3. (2) HVAC units (8.5-ton) @ \$16,000 each	32,000	4. Curb adapters	24,000	5. Plumbing modifications	12,000	6. Ductwork modifications	36,000	7. Electrical modifications	12,000	8. Roofing	15,000	9. Demolition/rigging	15,000	10. Temperature controls	30,000	11. Testing & balancing	8,000	12. Commissioning	6,000	Total	408,000	13. Secure facility allowance (20%)	81,600	Total	489,600
1. (2) HVAC units (17.5-ton) @ \$25,000 each	50,000																																
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10. Temperature controls	30,000																																
11. Testing & balancing	8,000																																
12. Commissioning	6,000																																
Total	408,000																																
13. Secure facility allowance (20%)	81,600																																
Total	489,600																																
A/E Design & Supervision	47,144	50,055																															
Surveys	0	0																															
Soils Analysis	0	0																															
Materials Testing Services	0	0																															
Structural Plan Check	0	0																															
Mechanical Plan Check	3,567	3,675																															
Electrical Plan Check	1,175	1,211																															
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 Service	0	0																															
PWB Project Mgmt & Inspection	39,733	39,733																															
3rd Party Commissioning	0	0																															
FF&E Design Fee	0	0																															
Other	0	0																															
Sub Total	91,619	94,675																															
Building Costs																																	
Construction	489,600	519,417																															
Construction Contingency	73,440	77,912																															
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																															
Other	0	0																															
Sub Total	563,040	597,329																															
Miscellaneous																																	
Advertising	811	861																															
Printing	4,054	4,304																															
Bond Sale Costs	165	175																															
Agency Moving Costs	0	0																															
Land Purchase	0	0																															
Purchasing Assessment	0	0																															
Sub Total	5,030	5,341																															
Total Project Cost	659,689	697,344																															

Proj. No.: M16 Replace Rooftop HVAC Units - Housing Units (SNWCC) - Phase I

Agency: Southern Nevada Womens Correctional Center

Location: N. Las Vegas

Detail Description:

The scope of this project is to replace 12 packaged roof top air conditioning units serving the housing units at the Southern Nevada Women's Correctional Center.

Project Justification:

The existing equipment has reached the end of its useful service life. Replacement packaged HVAC systems would provide better temperature control, improved energy efficiency, and improved reliability.

Background Information:

This building was constructed in 1997 and is approximately 142,000 square feet. Originally this facility was known as the Southern Nevada Women's Correctional Center. It is also known as the Florence McClure Women's Correctional Center

Project No:	M17			Funding Summary	
Title:	HVAC System Renovation (Northern Nevada Correctional Center)			State:	724,235
Description:	Replace existing air handling units in multiple buildings at the Northern Nevada Correctional Center in Carson City.			Agency:	
				Federal:	
Department:	NDOC	Division:	NNCC	Other:	
Agency:	NNCC	Project Mgr:	DBN	Total:	724,235

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	74,489	79,089
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	3,478	3,584
Electrical Plan Check	1,109	1,143
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 Service	0	0
PWB Project Mgmt & Inspection	71,518	71,518
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	150,594	155,334

Building Costs		
Construction	462,000	490,136
Construction Contingency	69,300	73,520
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
Other	0	0
Sub Total	531,300	563,656

Miscellaneous		
Advertising	795	844
Printing	3,973	4,218
Bond Sale Costs	172	183
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,940	5,245

Total Project Cost **686,834** **724,235**

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2013 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Replace HVAC equipment	227,000
2. Ductwork and piping modifications	76,000
3. Electrical and temperature controls modifications	55,000
4. Testing, balancing, and commissioning	27,000
Total	385,000
5. Secure facility allowance (20%)	77,000
Total	462,000

Proj. No.: M17 HVAC System Renovation (Northern Nevada Correctional Center)

Agency: Northern Nevada Correctional Center

Location: Carson City

Detail Description:

This project includes replacement of the existing heating, ventilating, and air conditioning equipment serving multiple buildings at the Northern Nevada Correctional Center.

Project Justification:

The existing heating, ventilating, and air conditioning units are more than 20 years old and have reached the end of their useful life.

Background Information:

The age and inefficiency of the existing equipment make replacement of these heating, ventilating, and air conditioning units essential. The buildings involved in this project are listed below:

- Housing Unit 6
- Operations Building
- Gatehouse
- Maintenance Building
- Prison Industries Buildings
- Laundry Building

Project No:	M18			Funding Summary	
Title:	Chiller and Boiler Replacement (WSCC - Housing Unit 2)	State:		681,375	
Description:	Replace the boiler and chiller at housing unit 2 at the Warm Springs Correctional Center.	Agency:			
		Federal:			
Department:	NDOC	Division:	WSCC	Other:	
Agency:	WSCC	Project Mgr:	BBM	Total:	681,375

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	11,500	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	45,932	48,769
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	3,526	3,633
Electrical Plan Check	1,145	1,180
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 Service	0	0
PWB Project Mgmt & Inspection	40,548	40,548
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	91,151	94,130
Building Costs		
Construction	477,000	506,049
Construction Contingency	71,550	75,907
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
Other	0	0
Sub Total	548,550	581,957
Miscellaneous		
Advertising	803	853
Printing	4,017	4,265
Bond Sale Costs	161	171
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,981	5,289
Total Project Cost	644,682	681,375

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Air cooled chiller (24-ton)	60,000
2. (2) Boilers (1000 MBH) @ \$45,000 each	90,000
3. (2) Circulation pumps (3 HP) @ \$4,000 each	8,000
4. Hot water storage tank (350 gal)	25,000
5. Plate and frame heat exchanger	15,000
6. Piping modifications	80,000
7. Flues/combustion air	10,000
8. Demolition/rigging	15,000
9. Electrical modifications	12,000
10. Roofing	5,000
11. Temperature controls	50,000
12. Testing and balancing	5,000
13. Commissioning	4,000
Total	379,000
14. Secure facility allowance (20%)	98,000
Total	477,000

Proj. No.: M18 Chiller and Boiler Replacement (WSSC - Housing Unit 2)

Agency: Warm Springs Correctional Center

Location: Carson City

Detail Description:

The purpose of this project is to replace the chiller and boiler in housing unit no. 2 at the Warm Springs Correctional Center.

Project Justification:

The existing boiler is approximately 35 years old and the existing chiller is approximately 20 years old. Both the boiler and the chiller have reached the end of their useful service life. The new equipment will have a significantly higher efficiency as compared to the existing equipment.

Background Information:

Housing unit no. 2 was constructed in 1977. The approximate area of housing unit 2 is 11,500 square feet.

Project No:	M19			Funding Summary	
Title:	HVAC Control System Upgrade (Desert Willow Treatment Center)			State:	385,275
Description:	This project will replace the temperature controls system at the Desert Willow Treatment Center.			Agency:	
				Federal:	
Department:	DHHS	Division:	CFS	Other:	
Agency:	SNCAS	Project Mgr:	BBM	Total:	385,275

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	58,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	35,048	37,212
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	2,496	2,572
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	23,271	23,271
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	61,565	63,828
Building Costs		
Construction	260,000	275,834
Construction Contingency	39,000	41,375
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
Other	0	0
Sub Total	299,000	317,209
Miscellaneous		
Advertising	650	690
Printing	3,250	3,451
Bond Sale Costs	91	97
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,991	4,237
Total Project Cost	364,556	385,275

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Temperature control hardware, software, & wiring	200,000
2. Electrical modifications	15,000
3. Testing & balancing	30,000
4. Commissioning	15,000
Total	260,000

Proj. No.: M19 HVAC Control System Upgrade (Desert Willow Treatment Center)

Agency: Southern Nevada Child & Adolescent Services

Location: Las Vegas

Detail Description:

This project will replace the temperature control system at the Desert Willow Treatment Center.

Project Justification:

The existing temperature control system is approximately 15 years old and is no longer manufactured or supported. This system has begun to have component failures which can result in unfavorable temperature conditions at the psychiatric hospital. This upgrade would also include direct digital controls for the 49 fan coil units in the facility. These upgrades would also improve the energy efficiency of the facility.

Background Information:

The building was constructed in 1998 and is approximately 58,000 square feet.

Project No: M20
Title: Replace HVAC Systems (CYC Multi-Purpose Room)
Description: This project serves to replace the HVAC systems in the multi-purpose room at the Caliente Youth Center.
Department: DHHS **Division:** CFS
Agency: CYC **Project Mgr:** BBM

Funding Summary
State: 345,999
Agency:
Federal:
Other:
Total: 345,999

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 8,000 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate** 3.00%
Location: Caliente **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	26,192	27,810
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	2,269	2,338
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	22,569	22,569
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	51,780	53,489
Building Costs		
Construction	236,400	250,797
Construction Contingency	35,460	37,620
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
Other	0	0
Sub Total	271,860	288,416
Miscellaneous		
Advertising	629	668
Printing	3,144	3,338
Bond Sale Costs	82	87
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,855	4,093
Total Project Cost	327,495	345,999

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (5) HVAC units (5-ton) @ \$9,000 each	45,000
2. Duct modifications/cleaning	90,000
3. Roofing	10,000
4. Electrical modifications	15,000
5. Demolition/rigging	12,000
6. Temperature controls	8,000
7. Testing and balancing	10,000
8. Commissioning	7,000
Total	197,000
9. Remote site allowance (20%)	39,400
Total	236,400

Proj. No.: M20 Replace HVAC Systems (CYC Multi-Purpose Room)

Agency: Caliente Youth Center

Location: Caliente

Detail Description:

This project serves to replace the HVAC systems that serve the multi-purpose room at the Caliente Youth Center.

Project Justification:

The current cooling system for the multipurpose room has completely failed and only two of five units provide heat. The equipment is more than 40 years old.

Background Information:

The multipurpose room was constructed in 1966 and is approximately 8,000 square feet.

Project No:	M21			Funding Summary	
Title:	Server Room Air Conditioner Installation (LVRC)			State:	140,126
Description:	This project will add stand-alone cooling for the server room at the Las Vegas Readiness Center. (50%F / 50%S)			Agency:	0
				Federal:	117,993
Department:	Military	Division:	NArmyNG	Other:	0
Agency:	NArmyNG	Project Mgr:	BBM	Total:	258,119

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	79,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	20,881	22,171
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,682	1,733
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	16,015	16,015
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	39,328	40,692
Building Costs		
Construction	175,200	185,870
Construction Contingency	26,280	27,880
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
Other	0	0
Sub Total	201,480	213,750
Miscellaneous		
Advertising	567	602
Printing	2,835	3,010
Bond Sale Costs	61	65
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,463	3,677
Total Project Cost	244,271	258,119

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Computer room AC unit (5 tons)	40,000
2. Ductwork modifications	25,000
3. Piping modifications	35,000
4. Electrical modifications	15,000
5. Plumbing modifications	20,000
6. Water treatment	2,000
7. Testing and balancing	5,000
8. Commissioning	4,000
Total	146,000
9. Occupied facility allowance (20%)	29,200
Total	175,200

Proj. No.: M21 Server Room Air Conditioner Installation (LVRC)

Agency: Nevada Army National Guard

Location: Las Vegas

Detail Description:

This project would add a stand-alone HVAC system to the server room at the Las Vegas Readiness Center.

This is a 50% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising, and printing.

Project Justification:

The existing HVAC system serves the entire facility including the computer server room. The facility would benefit from having a stand-alone system so that the main cooling system could shut down during the winter months. This system would also provide a backup in the event the main system was out of operation.

Background Information:

This building was constructed in 2007 and is approximately 79,000 square feet.

Project No:	M22			Funding Summary	
Title:	Boiler Plant Improvements (Washoe County Armory)			State:	63,744
Description:	Replace existing domestic hot water boilers with new high efficiency boilers and pumps.(75%F / 25%S)			Agency:	0
Department:	Military	Division:	NArmyNG	Federal:	129,537
Agency:	NArmyNG	Project Mgr:	DBN	Other:	0
				Total:	193,281

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	63,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Reno	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	16,738	17,772
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,219	1,256
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	15,250	15,250
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	33,957	35,051
Building Costs		
Construction	127,000	134,734
Construction Contingency	19,050	20,210
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
Other	0	0
Sub Total	146,050	154,944
Miscellaneous		
Advertising	508	539
Printing	2,541	2,698
Bond Sale Costs	46	49
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,095	3,286
Total Project Cost	183,102	193,281

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Domestic water boilers (1250 mbh) @ \$40,000 each	80,000
2. (2) Domestic water circulating pumps @ \$1,000 each	2,000
3. Piping modifications (including insulation)	20,000
4. Gas piping modifications and pressure regulators	3,000
5. Boiler flues and combustion air provisions	10,000
6. Electrical power modifications	4,000
7. Emergency shut-down switches and wiring	3,000
8. Demolition and disposal of existing equipment	5,000
Total	127,000

Proj. No.: M22 Boiler Plant Improvements (Washoe County Armory)

Agency: Nevada Army National Guard

Location: Reno

Detail Description:

This project includes removal of the existing domestic water heating boilers which are approximately 25 years old, and replacing them with new high efficiency domestic water heating boilers.

This is a 75% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising, and printing.

Project Justification:

The existing boilers have reached the end of their useful life and are very inefficient as compared to modern boiler technology.

Background Information:

The age and the inefficiency of the existing boilers make replacement of these boilers essential. This building is approximately 63,000 square feet.

Project No:	M23			Funding Summary	
Title:	Asbestos Abatement & Restoration (Henderson Armory)			State:	196,013
Description:	Asbestos Ceiling and Flooring Abatement and Restoration (50%F / 50%S)			Agency:	0
				Federal:	172,848
Department:	Military	Division:	NArmyNG	Other:	0
Agency:	NArmyNG	Project Mgr:	KRS	Total:	368,861

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	17,690	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Henderson	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	21,659	22,997
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 Service	0	0
PWB Project Mgmt & Inspection	21,055	21,055
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	42,714	44,052
Building Costs		
Construction	264,500	280,608
Construction Contingency	39,675	42,091
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
Other	0	0
Sub Total	304,175	322,699
Miscellaneous		
Advertising	900	956
Printing	1,000	1,062
Bond Sale Costs	87	92
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,987	2,110
Total Project Cost	348,876	368,861

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Priority 1	
1. Henderson Armory acoustic/flooring (3406)	264,500
Total	264,500

Proj. No.: M23 Asbestos Abatement & Restoration (Henderson Armory)

Agency: Nevada Army National Guard

Location: Henderson

Detail Description:

The scope of work is to remove the asbestos spray on acoustic ceilings and asbestos floor tiles throughout the facility. The work includes the reapplication of a ceiling texture, paint to match and replacement flooring consisting of polished concrete in the drill hall, equipment storage, and main hallway. The offices would receive floor tile or carpet.

This is a 50% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising and printing.

Project Justification:

The building was originally constructed with asbestos containing ceiling acoustic spray throughout the entire building. This asbestos containing acoustic material was painted/encapsulated approximately 15 years ago. The asbestos ceiling is now separating from the ceiling sheetrock in large sections due to water damage and the weight of the paint. Per OSHA and State of Nevada regulations once a friable asbestos material becomes damaged to the point that the material can become airborne, it is required to be removed by a Nevada licensed asbestos abatement contractor. This material condition requires that it be removed in the next couple of years.

Background Information:

This facility has had numerous issues where the asbestos ceiling was accidently damaged. The asbestos ceiling has also limited the renovation and upgrading of this facility.

Project No:	M24			Funding Summary	
Title:	Install Air Conditioning (Henderson Armory)	State:		707,657	
Description:	This project will provide new HVAC at the Henderson Armory. (50%F / 50%S)	Agency:		0	
		Federal:		610,260	
Department:	Military	Division:	NArmyNG	Other:	0
Agency:	NArmyNG	Project Mgr:	BBM	Total:	1,317,917

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	18,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Henderson	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	93,648	99,431
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	4,782	4,927
Electrical Plan Check	2,087	2,150
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 Service	0	0
PWB Project Mgmt & Inspection	83,784	83,784
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	184,301	190,293
Building Costs		
Construction	869,400	922,346
Construction Contingency	86,940	92,235
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	100,000	106,176
Other	0	0
Sub Total	1,056,340	1,120,757
Miscellaneous		
Advertising	1,026	1,089
Printing	5,129	5,446
Bond Sale Costs	312	331
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	6,467	6,866
Total Project Cost	1,247,108	1,317,917

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (3) Gas-electric rooftop unit (7.5 ton) @ \$17,500 each	52,500
2. (8) Gas-electric rooftop unit (4 ton) @ \$8,000 each	64,000
3. (3) Gas-electric rooftop units (3 ton) @ \$6,000 each	18,000
4. Ductwork modifications	150,000
5. Piping modifications	60,000
6. Electrical modifications	150,000
7. Ceiling removal/replacement	35,000
8. Roofing	75,000
9. Demolition/rigging	28,000
10. Temperature controls	80,000
11. Testing and balancing	7,000
12. Commissioning	5,000
Total	724,500
13. Occupied Facility Allowance (20%)	144,900
Total	869,400

Proj. No.: M24 Install Air Conditioning (Henderson Armory)

Agency: Nevada Army National Guard

Location: Henderson

Detail Description:

The scope of this project is to remove the existing boiler and evaporative coolers and replace them with packaged rooftop gas-electric units at the Henderson Armory in order to provide proper heating and cooling to the facility.

This is a 50% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising, and printing.

Project Justification:

The existing evaporative coolers presently serving the building do not provide adequate cooling and air distribution for this facility. The existing evaporative cooling units also require extensive maintenance.

Background Information:

This building was constructed in the 1960's with much of the HVAC equipment original to the building. The Henderson Armory is approximately 18,000 square feet.

Project No: M25
Title: Electrical Power Upgrades (Henderson Armory)
Description: Replace main power supply and switchboard at Henderson Armory (50%F / 50%S)
Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** CAD

Funding Summary
State: 387,326
Agency: 0
Federal: 336,621
Other: 0
Total: 723,947

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Henderson **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	47,000	49,903
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	3,800	3,916
Civil Plan Check	1,167	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 Service	0	0
PWB Project Mgmt & Inspection	40,131	40,131
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	92,098	95,152
Building Costs		
Construction	450,000	477,405
Construction Contingency	67,500	71,611
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	50,000	53,088
Data/Telecom Wiring	0	0
Furnishings and Equipment	0	0
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	20,000	21,235
Other	0	0
Sub Total	587,500	623,339
Miscellaneous		
Advertising	828	879
Printing	4,140	4,396
Bond Sale Costs	171	182
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,139	5,456
Total Project Cost	684,737	723,947

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Replace switchgear	350,000
2. Replace utility power feed	100,000
Total	450,000

Proj. No.: M25 Electrical Power Upgrades (Henderson Armory)

Agency: Nevada Army National Guard

Location: Henderson

Detail Description:

This project is to upgrade power at this facility.

It is 50% federally funded, except for Project Management and Inspection fees, plan check fees, bone sale costs, and printing costs, which are State funded.

Project Justification:

The existing power supply to the building from 1970 did not take into account air conditioning requirements. The power system for this building, along with being undersized, is over 40 years old, making parts difficult and expensive to obtain. It has reached the end of its useful life.

Background Information:

This facility was built in 1970.

Project No:	M26			Funding Summary	
Title:	HVAC System Renovation (Stewart Building 107)			State:	190,040
Description:	Replace existing chiller with new high efficiency chiller and pumps at Stewart Building 107 (State Fire Marshal's Office).			Agency:	
				Federal:	
Department:	Admin	Division:	B&G	Other:	
Agency:	B&G	Project Mgr:	DBN	Total:	190,040

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	33,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Stewart	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	18,660	19,812
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,162	1,197
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	17,400	17,400
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	37,972	39,183
Building Costs		
Construction	121,000	128,369
Construction Contingency	18,150	19,255
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
Other	0	0
Sub Total	139,150	147,624
Miscellaneous		
Advertising	500	531
Printing	2,500	2,654
Bond Sale Costs	45	48
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,045	3,233
Total Project Cost	180,167	190,040

REMARKS	
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Construction Cost Detail:	
1. (1) Dual compressor air cooled chiller (50 ton)	75,000
2. (2) Chilled water pumps (5 hp) @ \$7,000 each	14,000
3. (2) Variable frequency drives for new pumps	8,000
4. Piping modifications (including insulation)	25,000
5. (2) Heat pumps (3 ton) @ \$5,000 each	10,000
6. Ductwork and diffusers for new heat pumps	10,000
7. Refrigerant piping and insulation for new heat pumps	3,000
8. Electrical power modifications (including heat pumps)	20,000
9. Demolition and disposal of existing equipment	5,000
10. Testing and balancing	3,000
11. Flush, clean, and treat chilled water piping system	4,000
12. New controls for chiller, pumps, and heat pumps	15,000
13. Commissioning	4,000
Total	121,000

Proj. No.: M26 HVAC System Renovation (Stewart Building 107)

Agency: Buildings & Grounds

Location: Stewart

Detail Description:

This project includes replacement of the existing chiller and pumps that serve Building 107 at the Stewart Facility with new high efficiency equipment. Also included is installation of two new split system heat pumps to serve the investigation office in Building 107.

Project Justification:

This equipment is more than 20 years old and has reached the end of its useful life. The investigations office is currently served by electric resistance heating which is highly inefficient.

Background Information:

Stewart Building 107 is approximately 33,000 square feet.

Project No:	M27			Funding Summary	
Title:	Chilled and Hot Water Piping Replacement (Sawyer Office Building) Phase 1			State:	594,745
Description:	This project will replace a portion of the HVAC piping and insulation at the Grant Sawyer office building.			Agency:	
				Federal:	
Department:	Admin	Division:	SPWD	Other:	
Agency:	B&G	Project Mgr:	BBM	Total:	594,745

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	226,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	121,765	129,285
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	6,148	6,335
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 Service	0	0
PWB Project Mgmt & Inspection	87,420	87,420
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	215,333	223,040
Building Costs		
Construction	300,000	318,270
Construction Contingency	45,000	47,740
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
Other	0	0
Sub Total	345,000	366,010
Miscellaneous		
Advertising	1,000	1,062
Printing	4,222	4,483
Bond Sale Costs	141	150
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,363	5,694
Total Project Cost	565,696	594,745

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Chilled Water Piping	300,000
2. Hot Water Piping	500,000
3. Piping Insulation	200,000
4. Water Treatment	20,000
5. Commissioning	5,000
Total	1,025,000
6. Phasing Allowance (20%)	205,000
7. Occupied Facility Allowance (20%)	205,000
Total	1,435,000
Phase 1 Construction Allowance:	300,000

Proj. No.: M27 Chilled and Hot Water Piping Replacement (Sawyer Office Building) Pha

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project serves to replace the chilled and hot water HVAC piping in the Grant Sawyer Building. The scope of this phase is to design the entire project and complete approximately \$300,000 of the repairs.

Project Justification:

External corrosion has damaged the chilled and hot water HVAC piping in the Grant Sawyer Building. This has led to pipe leaks and premature failures in some areas of the building. A risk for flooding and damage is present in the areas where the piping has corroded.

Background Information:

The Grant Sawyer Building was constructed in 1995, and is 226,000 sf.

Project No:	M28			Funding Summary	
Title:	Server Room Ventilation System Upgrades (Bryan Building)			State:	65,103
Description:	Add exhaust fans connected to emergency power to provide ventilation in server rooms during a loss of normal power at the Bryan Building.			Agency:	
				Federal:	
Department:	Admin	Division:	B&G	Other:	
Agency:	B&G	Project Mgr:	DBN	Total:	65,103

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	120,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	5,932	6,298
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	5,200	5,200
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	12,632	13,044
Building Costs		
Construction	40,800	43,285
Construction Contingency	6,120	6,493
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
Other	0	0
Sub Total	46,920	49,777
Miscellaneous		
Advertising	356	378
Printing	1,778	1,888
Bond Sale Costs	15	16
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,149	2,282
Total Project Cost	61,701	65,103

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (5) Exhaust fans (360 cfm) @ \$1,000 each	5,000
2. Ductwork modifications	2,000
3. Temperature controls/exhaust fan monitoring	8,000
4. Electrical power modifications (emergency power)	18,000
5. Testing and balancing	1,000
Total	34,000
6. Occupied facility allowance (20%)	6,800
Total	40,800

Proj. No.: M28 Server Room Ventilation System Upgrades (Bryan Building)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project includes installation of new exhaust fans in each of the 5 server rooms in the Bryan Building and connecting those new exhaust fans to emergency power panels.

Project Justification:

The new exhaust fans are intended to provide for mitigation of excessively high room temperatures during a loss of normal electrical power or failure of one of the fan coil units that serve these rooms.

Background Information:

Each of the 5 server rooms is approximately 120 square feet. The entire office building is approximately 120,000 total square feet.

Project No:	M29			Funding Summary	
Title:	HVAC System Renovation (Stewart Building 6)			State:	255,341
Description:	Replace existing chiller with new high efficiency chiller and pumps at Stewart Building 6 (Peace Officers' Standards & Training Building).			Agency:	
				Federal:	
Department:	Admin	Division:	B&G	Other:	
Agency:	B&G	Project Mgr:	DBN	Total:	255,341

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	18,750	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Stewart	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	29,514	31,337
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,546	1,593
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	21,640	21,640
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	53,450	55,343
Building Costs		
Construction	161,000	170,805
Construction Contingency	24,150	25,621
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
Other	0	0
Sub Total	185,150	196,426
Miscellaneous		
Advertising	551	585
Printing	2,754	2,924
Bond Sale Costs	60	64
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,365	3,573
Total Project Cost	241,965	255,341

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (1) Dual compressor air-cooled chiller (60 ton)	75,000
2. (2) Chilled water pumps (7-1/2 hp) @ \$7,500 each	15,000
3. (2) Variable frequency drives for new pumps	10,000
4. Piping modifications (including insulation)	20,000
5. Electrical power modifications	10,000
6. Demolition and disposal of existing equipment	5,000
7. Testing and balancing	3,000
8. Flush, clean, and treat chilled water piping system	4,000
9. Replace controls for chiller and pumps	15,000
10. Commissioning	4,000
Total	161,000

Proj. No.: M29 HVAC System Renovation (Stewart Building 6)

Agency: Buildings & Grounds

Location: Stewart

Detail Description:

This project includes replacement of the existing chiller and pumps that serve Building 6 at the Stewart Facility with new high efficiency equipment.

Project Justification:

This equipment is more than 20 years old and has reached the end of its useful life.

Background Information:

Stewart Building 6 is approximately 18,750 square feet.

Project No: M30
Title: Replace HVAC Units (Lost City Museum)
Description: Replace six heat pumps and one packaged rooftop unit at the Lost City Museum in Overton.
Department: CultAffr **Division:** MusHist
Agency: LostCity **Project Mgr:** BBM

Funding Summary
State: 259,870
Agency:
Federal:
Other:
Total: 259,870

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 22,000 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate** 3.00%
Location: Overton **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	25,767	27,358
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,607	1,656
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	22,228	22,228
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	50,352	52,015

Building Costs		
Construction	167,400	177,595
Construction Contingency	25,110	26,639
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
Other	0	0
Sub Total	192,510	204,234

Miscellaneous		
Advertising	558	592
Printing	2,791	2,963
Bond Sale Costs	62	66
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,411	3,622

Total Project Cost **246,273** **259,870**

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (6) Heat pumps (5-ton) @ \$9,000 each	54,000
2. Packaged rooftop unit (1-ton)	4,000
3. Duct modifications	50,000
4. Equipment curb adapters	10,000
5. Electrical modifications	7,500
6. Temperature controls	6,000
7. Testing and balancing	6,000
8. Commissioning	2,000
	Total 139,500
9. Remote site allowance (20%)	27,900
	Total 167,400

Proj. No.: M30 Replace HVAC Units (Lost City Museum)

Agency: Lost City Museum

Location: Overton

Detail Description:

This project will replace six heat pumps and one packaged rooftop unit at the Lost City Museum.

Project Justification:

The existing units are more than 20 years old and have reached the end of their service life. It has become difficult to maintain these units and the frequent maintenance and repair that is required makes the occupied space uncomfortable whenever the units are not operating.

Background Information:

This facility was constructed in 1935 and is approximately 22,000 square feet. The annual average attendance at the Lost City Museum over the last five years is 15,000 per year. These figures represent a four day a week schedule of which the facility is open to the public. Prior to 2009 the Lost City Museum was open seven days a week and averaged 22,000 visitors per year. The museum is planned to return to seven day a week level of service as of July 1, 2013.

Project No: M31
Title: HVAC System Renovation (NNCAS Administration Building)
Description: Replace existing heating, ventilating, and air conditioning system at the NNCAS Administration Building in Reno.
Department: DHHS **Division:** CFS
Agency: NNCAS **Project Mgr:** DBN

Funding Summary
State: 265,108
Agency:
Federal:
Other:
Total: 265,108

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 12,500 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Reno **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	17,690	18,782
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,763	1,817
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	16,000	16,000
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	36,203	37,372
Building Costs		
Construction	183,600	194,781
Construction Contingency	27,540	29,217
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
Other	0	0
Sub Total	211,140	223,998
Miscellaneous		
Advertising	576	612
Printing	2,881	3,059
Bond Sale Costs	63	67
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,520	3,737
Total Project Cost	250,863	265,108

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (6) Fan coil units (2 ton cooling) @ \$3,500 each	21,000
2. (12) Fan coil units (1 ton cooling) @ \$2,500 each	30,000
3. (12) Fan coil units (1/2 ton cooling) @ \$2,000 each	24,000
4. Ductwork modifications	25,000
5. Piping modifications	15,000
6. Removal and disposal of existing equipment	5,000
7. Electrical modifications	5,000
8. Temperature controls modifications	15,000
9. Flush, clean, and treat piping system	3,000
10. Testing and balancing	5,000
11. Commissioning	5,000
Total	153,000
12. Phasing allowance (20%)	30,600
Total	183,600

Proj. No.: M31 HVAC System Renovation (NNCAS Administration Building)

Agency: Northern Nevada Child & Adolescent Services

Location: Reno

Detail Description:

This project includes replacement of the existing heating, ventilating, and air conditioning equipment serving the administration building at the Northern Nevada Child and Adolescent Services campus on Enterprise Road in Reno.

Project Justification:

The existing heating, ventilating, and air conditioning units are more than 30 years old and have reached the end of their useful life.

Background Information:

The administration building is approximately 12,500 square feet. The age and inefficiency of the existing equipment make replacement of these heating, ventilating, and air conditioning units essential.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No:	M32			Funding Summary	
Title:	HVAC System Replacement (Multiple Buildings at DRC)			State:	278,009
Description:	This project will replace the HVAC units at the Desert Regional Center - Buildings 1307, 1308, 1309, and 1310.			Agency:	
				Federal:	
Department:	DHHS	Division:	MH/DS	Other:	
Agency:	DRC	Project Mgr:	BBM	Total:	278,009

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	9,600	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	24,681	26,205
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,762	1,816
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	21,599	21,599
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	48,792	50,393
Building Costs		
Construction	183,500	194,675
Construction Contingency	27,525	29,201
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
Other	0	0
Sub Total	211,025	223,876
Miscellaneous		
Advertising	576	612
Printing	2,880	3,058
Bond Sale Costs	66	70
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,522	3,740
Total Project Cost	263,339	278,009

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Building 1307: (2) heat pumps (4-ton) @ \$8,000 each	16,000
2. Building 1308: (2) heat pumps (5-ton) @ \$9,000 each	18,000
3. Building 1309: (2) heat pumps (5-ton) @ \$9,000 each	18,000
4. Building 1310: (2) heat pumps (5-ton) @ \$9,000 each	18,000
5. Ductwork modifications	30,000
6. Plumbing modifications	15,000
7. Electrical modifications	12,000
8. Demolition/rigging	10,000
9. Temperature controls	40,000
10. Testing & balancing	4,000
11. Commissioning	2,500
Total	183,500

Proj. No.: M32 HVAC System Replacement (Multiple Buildings at DRC)

Agency: Desert Regional Center

Location: Las Vegas

Detail Description:

This project would replace the HVAC units in buildings no. 1307, 1308, 1309, and 1310 at the Desert Regional Center.

Project Justification:

The HVAC units are approximately 15 years old and have reached the end of their useful service life. These four buildings house staff and clients that would have to be relocated in the event the equipment fails. Replacing these units would improve occupant comfort conditions, energy efficiency, and provide reliability.

Background Information:

These buildings were constructed in 1992. Building no. 1307 is approximately 1,500 square feet and buildings no. 1308, 1309, and 1310 are approximately 2,700 square feet.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No:	M33		Funding Summary	
Title:	Replace Emergency Generator (Desert Regional Center)		State:	1,279,479
Description:	Replace existing emergency generators with new diesel generator with capacity for 100% of building load		Agency:	
			Federal:	
Department:	DHHS	Division:	MH/DS	
Agency:	DRC	Project Mgr:	CAD	
			Other:	
			Total:	1,279,479
Project Group:	Mech/Elect/Struct/Civil/Roofing		Building Area:	0 gsf
Project Type:	Rehab		Months To Construction:	24
Project Site:	Local		Construction Annual Inflation Rate	3.00%
Location:	Las Vegas		Total Inflation:	6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	90,147	95,714
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	7,118	7,558
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	5,540	5,709
Civil Plan Check	1,674	1,725
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 Service	0	0
PWB Project Mgmt & Inspection	84,744	84,744
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	189,223	195,449
Building Costs		
Construction	885,000	938,896
Construction Contingency	132,750	140,834
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
Other	0	0
Sub Total	1,017,750	1,079,731
Miscellaneous		
Advertising	995	1,056
Printing	2,751	2,921
Bond Sale Costs	303	322
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,049	4,299
Total Project Cost	1,211,022	1,279,479

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Add (1) generator for buildings 1391 and 1306 (400 kw)	450,000
2. Replace service entrance switchgear at building 1391	85,000
3. Trenching and installation of generator pads	250,000
4. Replace/Add transfer switches for 1391 and 1306	100,000
Total	885,000

Proj. No.: M33 Replace Emergency Generator (Desert Regional Center)

Agency: Desert Regional Center

Location: Las Vegas

Detail Description:

Replace emergency generator that serves buildings 1391 and 1306, as they are of inadequate size to serve the whole building loads and have failed. The new generator will be sized to handle all building electrical loads, rather than the emergency systems only. A load bank will be included to facilitate regular generator testing.

Project Justification:

The failed generators were only sized for the emergency services in each the buildings, and did not include loads for HVAC, etc., which means that the building occupants require relocation in the case of a normal power failure. The generator for these building was powered by natural gas, with no on-site fuel storage. On-site fuel storage is required by the Bureau of Licensure for ongoing accreditation.

Background Information:

The generator that served buildings 1301-1304 was replaced during the 05 CIP process. It is diesel powered, and serves the whole building loads, rather than only the emergency loads. The generators for the above delineated buildings are a minimum of 17 years old. This project was requested in 2009 and 2011.

The generator serving buildings 1307-1310 has been modified and refurbished to be fueled with propane. This makes the generator compliant with on-site fuel storage as required by the Bureau of Licensure for ongoing accreditation.

Building 1391 was constructed in 1977 and Building 1306 was constructed in 1981. The generator serving these two buildings was installed in 1981.

Project No:	M34			Funding Summary	
Title:	Replace Rooftop HVAC Units (SNCAS Building 15)	State:		98,357	
Description:	This project will replace the HVAC units at building no. 15 at the Southern Nevada Child and Adolescent Services campus.	Agency:			
		Federal:			
Department:	DHHS	Division:	CFS	Other:	
Agency:	SNCAS	Project Mgr:	BBM	Total:	98,357

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	6,500	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	13,416	14,245
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	11,486	11,486
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	26,402	27,276
Building Costs		
Construction	56,200	59,623
Construction Contingency	8,430	8,943
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
Other	0	0
Sub Total	64,630	68,566
Miscellaneous		
Advertising	391	415
Printing	1,955	2,076
Bond Sale Costs	23	24
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,369	2,515
Total Project Cost	93,401	98,357

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (1) Heat pump (4-ton)	8,000
2. (3) Heat pumps (2-ton) @ \$3,500 each	10,500
3. Ductwork modifications	12,000
4. Curb adapters	6,000
5. Plumbing modifications	2,000
6. Electrical modifications	5,000
7. Demolition/rigging	4,000
8. Temperature controls	6,000
9. Testing & balancing	1,200
10. Commissioning	1,500
Total	56,200

Proj. No.: M34 Replace Rooftop HVAC Units (SNCAS Building 15)

Agency: Southern Nevada Child & Adolescent Services

Location: Las Vegas

Detail Description:

This project will replace four HVAC units at building no. 15.

Project Justification:

The HVAC units are approximately 20 years old and have reached the end of their useful service life. This building houses staff and clients that would have to be relocated in the event the equipment fails. Replacing these units would improve occupant comfort conditions, energy efficiency, and provide reliability.

Background Information:

The building was constructed in 1981 and is approximately 6,500 square feet.

Project No:	M35			Funding Summary	
Title:	HVAC System Renovation (NNCAS Residential Buildings)			State:	89,068
Description:	Replace existing heating, ventilating, and air conditioning equipment in the 2 residential buildings at NNCAS on Enterprise Road in Reno.			Agency:	
				Federal:	
Department:	DHHS	Division:	CFS	Other:	
Agency:	NNCAS	Project Mgr:	DBN	Total:	89,068

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	4,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Reno	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	8,436	8,957
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	7,240	7,240
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	17,176	17,743
Building Costs		
Construction	56,400	59,835
Construction Contingency	8,460	8,975
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
Other	0	0
Sub Total	64,860	68,810
Miscellaneous		
Advertising	391	415
Printing	1,957	2,078
Bond Sale Costs	21	22
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,369	2,515
Total Project Cost	84,405	89,068

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Upflow furnaces (150 mbh) with cooling coil @ \$3,000	6,000
2. (2) Condensing units (5 ton) with concrete pad @ \$6,000	12,000
3. Refrigerant piping and insulation	3,000
4. Flue and combustion air modifications	3,000
5. Demolition and disposal of existing equipment	2,000
6. Replace underground ductwork with overhead ductwork	16,000
7. Testing and balancing	3,000
8. Programmable thermostats with locking covers	1,000
9. Commissioning	1,000
Total	47,000
10. Occupied facility allowance (20%)	9,400
Total	56,400

Proj. No.: M35 HVAC System Renovation (NNCAS Residential Buildings)

Agency: Northern Nevada Child & Adolescent Services

Location: Reno

Detail Description:

This project includes replacement of one furnace and one condensing unit in each of the two family learning homes at the Northern Nevada Child and Adolescent Services campus on Enterprise Road in Reno. This project will also replace the underground ductwork at the west Residential Building with overhead ductwork and diffusers.

Project Justification:

The existing furnaces and condensing units are more than 30 years old and have reached the end of their useful life. The underground ductwork below the west Residential Building has been partially filling with ground water over recent years and is no longer fully intact.

Background Information:

Each of these two buildings is approximately 4,000 square feet. The age and inefficiency of the existing equipment make replacement of these heating, ventilating, and air conditioning units essential.

Project No: M36
Title: HVAC System Renovation (Sierra Regional Center Building 603)
Description: Replace existing HVAC equipment at SRC Building 603.

Funding Summary
State: 48,973
Agency:
Federal:
Other:
Total: 48,973

Department: DHHS **Division:** CFS
Agency: SRC **Project Mgr:** DBN

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 6,700 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Sparks **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	5,295	5,622
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	4,350	4,350
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	11,145	11,518

Building Costs		
Construction	29,000	30,766
Construction Contingency	4,350	4,615
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
Other	0	0
Sub Total	33,350	35,381

Miscellaneous		
Advertising	324	344
Printing	1,618	1,718
Bond Sale Costs	12	13
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,954	2,075

Total Project Cost **46,449** **48,973**

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Upflow furnaces (100 mbh) with cooling coil @ \$3,000	6,000
2. (2) Condensing units (5 ton) with concrete pad @ \$6,000	12,000
3. Refrigerant piping and insulation	3,000
4. Flue and combustion air modifications	3,000
5. Demolition and disposal of existing equipment	1,000
6. Testing and balancing	2,000
7. Programmable thermostats with locking covers	1,000
8. Commissioning	1,000
Total	29,000

Proj. No.: M36 HVAC System Renovation (Sierra Regional Center Building 603)

Agency: Sierra Regional Center

Location: Sparks

Detail Description:

This project includes replacement of the existing heating, ventilating, and air conditioning equipment that serves Building 603 at the Sierra Regional Center.

Project Justification:

This equipment is more than 30 years old and has reached the end of its useful life.

Background Information:

Sierra Regional Center Building 603 is approximately 6,700 square feet.

Project No: M37
Title: Power Service Upgrade (Spring Valley State Park)
Description: Replace 15KV power cable for entire length to substation

Funding Summary
State: 1,625,362
Agency: 350,000
Federal: 0
Other: 0
Total: 1,975,362

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

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate** 3.00%
Location: Pioche **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	105,000	111,484
Surveys	20,000	20,608
Soils Analysis	0	0
Materials Testing Services	39,000	41,409
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	6,328	6,520
Civil Plan Check	1,899	1,957
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 Service	0	0
PWB Project Mgmt & Inspection	85,113	85,113
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	257,340	267,092

Building Costs		
Construction	1,328,448	1,409,350
Construction Contingency	199,267	211,402
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	50,000	53,088
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
NDOT Fees	25,000	26,544
Sub Total	1,602,715	1,700,385

Miscellaneous		
Advertising	1,160	1,232
Printing	5,800	6,158
Bond Sale Costs	467	496
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	7,427	7,886

Total Project Cost 1,867,482 1,975,362

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Install 4 miles of underground power cable @ 42.00/ft	887,040
2. Install pullboxes each 600 feet	220,000
Total	1,107,040
3. Remote Site Allowance 20%	221,408
Total	1,328,448

Proj. No.: M37 Power Service Upgrade (Spring Valley State Park)

Agency: Nevada Division of State Parks

Location: Pioche

Detail Description:

This project is to replace the electrical service to Spring Valley State Park. The new power service will be installed in conduit for longer life.

The Division of State Parks has previously issued Question 1 bonds and has \$350,000 available and dedicated to support this project if approved.

Project Justification:

The existing 4 mile long stretch of direct buried 7.2 KV power cable is over 30 years old, being installed in 1978. It has failed multiple times due to the insulation breaking down. Being direct buried, it has also been much more vulnerable to damage. There are only a few cable vaults in the existing run, making any repairs expensive and difficult.

Background Information:

The 7200 volt underground service is presently serving the whole park complex. Failures of the power distribution system have left the whole complex without power for several hours.

Project No: M38
Title: Boiler Plant Improvements (Blasdel Building)
Description: Replace existing boiler with high efficiency boilers and pumps.

Funding Summary
State: 407,412
Agency:
Federal:
Other:
Total: 407,412

Department: Admin **Division:** B&G
Agency: B&G **Project Mgr:** DBN

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 41,700 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	40,144	42,623
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	2,506	2,582
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	38,756	38,756
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	82,156	84,734
Building Costs		
Construction	261,000	276,895
Construction Contingency	39,150	41,534
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
Other	0	0
Sub Total	300,150	318,429
Miscellaneous		
Advertising	651	691
Printing	3,254	3,455
Bond Sale Costs	97	103
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,002	4,249
Total Project Cost	386,308	407,412

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Gas-fired boilers (1200 mbh) @ \$35,000 each	70,000
2. (2) Primary pumps (1 hp) @ \$2,500 each	5,000
3. (2) Secondary pumps (5 hp) @ \$7,000 each	14,000
4. (2) Variable frequency drives for secondary pumps	8,000
5. Piping modifications (including insulation)	45,000
6. Boiler flues and combustion air (75 lf each)	28,000
7. Gas piping and pressure regulators	7,000
8. Concrete equipment pads and concrete coring	7,000
9. Electrical power modifications	20,000
10. Demolition and disposal of existing equipment	12,000
11. Testing and balancing	7,000
12. Flush, clean, and treat heating water piping system	4,000
13. Direct digital controls for boilers and pumps	30,000
14. Commissioning	4,000
Total	261,000

Proj. No.: M38 Boiler Plant Improvements (Blasdel Building)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

This project includes removal of the existing gas-oil boiler which is approximately 25 years old, and replacing it with two new high efficiency gas boilers (each new boiler sized at approximately one half the capacity of the existing boiler). New hot water distribution pumps and new direct digital controls are also included in this project.

Project Justification:

The existing boiler has reached the end of its useful life and is very inefficient as compared to modern boiler technology.

Background Information:

The age of the existing boiler and the fact that there is no redundancy should this boiler fail make the replacement of this boiler essential. This office building is approximately 41,700 square feet.

Project No:	M39			Funding Summary	
Title:	HVAC System Renovation (Reno Wildlife Headquarters)			State:	244,922
Description:	Replace existing heating, ventilating, and air conditioning equipment at the Reno Wildlife Headquarters building.			Agency:	
				Federal:	
Department:	Wildlife	Division:	Wildlife	Other:	
Agency:	Wildlife	Project Mgr:	DBN	Total:	244,922

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	14,700	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Reno	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	24,984	26,527
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	1,493	1,538
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	22,840	22,840
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	50,067	51,678
Building Costs		
Construction	155,500	164,970
Construction Contingency	23,325	24,745
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
Other	0	0
Sub Total	178,825	189,715
Miscellaneous		
Advertising	544	578
Printing	2,721	2,889
Bond Sale Costs	58	62
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,323	3,528
Total Project Cost	232,215	244,922

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (5) Upflow furnaces (100 mbh) with cooling coil @ \$3,000	15,000
2. (5) Condensing units (5 ton) with concrete pad @ \$6,000	30,000
3. Refrigerant piping including insulation	10,000
4. (1) Packaged hvac unit (7 ton) @ \$12,000	12,000
5. (2) Packaged hvac units (4 ton) @ \$8,000 each	16,000
6. (2) Packaged hvac units (3 ton) @ \$7,000 each	14,000
7. (1) Packaged hvac unit (1 ton) @ \$4,000	4,000
8. (1) Packaged hvac unit (3 ton) for director's office area	7,000
8. Roof curb adaptors, duct and roofing modifications	15,000
9. Crane/rigging cost	4,000
10. Electrical power modifications	10,000
11. Demolition and disposal of existing equipment	5,000
12. Testing and balancing	5,000
13. Programmable thermostats (11 @ \$500/each)	5,500
14. Commissioning	3,000
Total	155,500

Proj. No.: M39 HVAC System Renovation (Reno Wildlife Headquarters)

Agency: Wildlife

Location: Reno

Detail Description:

This project includes replacement of the existing heating, ventilating, and air conditioning equipment that serves the Reno Wildlife Headquarters building.

Project Justification:

The existing equipment is more than 25 years old and has reached the end of its useful life

Background Information:

The Reno Wildlife Headquarters building is approximately 14,700 square feet.

Project No: M40
Title: Replace Toilet and Urinal Flush Valves (Multiple Buildings at ESP)
Description: This project would replace the toilet and urinal flush valves at the Ely State Prison.

Funding Summary
State: 1,246,108
Agency:
Federal:
Other:
Total: 1,246,108

Department: NDOC **Division:** ESP
Agency: ESP **Project Mgr:** BBM

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Ely **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	85,000	90,249
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	4,806	4,952
Electrical Plan Check	2,105	2,169
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 Service	0	0
PWB Project Mgmt & Inspection	72,185	72,185
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	164,096	169,556
Building Costs		
Construction	876,960	930,367
Construction Contingency	131,544	139,555
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
Other	0	0
Sub Total	1,008,504	1,069,922
Miscellaneous		
Advertising	992	1,053
Printing	4,958	5,264
Bond Sale Costs	295	313
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	6,245	6,631
Total Project Cost	1,178,845	1,246,108

Remarks	
REMARKS	
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Construction Cost Detail:	
1. (849) Toilet and (15) urinal flush valves (@ \$725 each)	626,400
Total	626,400
2. Secure facility allowance (20%)	125,280
3. Remote site allowance (20%)	125,280
Total	876,960

Proj. No.: M40 Replace Toilet and Urinal Flush Valves (Multiple Buildings at ESP)

Agency: Ely State Prison

Location: Ely

Detail Description:

This purpose of this project is to replace 849 water closet and 15 urinal flush valves with electronic flush valves that control the amount of water flushed and the number of times the valves can be flushed.

Project Justification:

The existing water closets use 6.5 gallons per flush and are continually flushed by the inmates. The valves are 23 to 25 years old and maintenance parts are getting more difficult to find. The new valves will limit both the amount of water for each flush and the number of flushes during a set period of time. This will save in water usage, maintenance and utility costs.

Background Information:

The Ely State Prison was constructed between 1987 and 1989.

Project No: M41
Title: Shower and Bathroom Renovations (SNWCC)
Description: Shower and Bathroom Renovations

Department: NDOC **Division:** SNWCC
Agency: SNWCC **Project Mgr:** CSB

Funding Summary
State: 1,328,137
Agency:
Federal:
Other:
Total: 1,328,137

Project Group: Armory, Military or Prisons **Building Area:** 3,500 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: N. Las Vegas **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	106,222	112,782
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	2,710	2,792
Electrical Plan Check	0	0
Civil Plan Check	0	0
ADA Plan Check	2,710	2,792
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	100,938	100,938
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	212,580	219,305
Building Costs		
Construction	903,350	958,364
Construction Contingency	135,502	143,754
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
Other	0	0
Sub Total	1,038,852	1,102,118
Miscellaneous		
Advertising	1,002	1,064
Printing	5,008	5,317
Bond Sale Costs	314	333
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	6,324	6,715
Total Project Cost	1,257,756	1,328,137

Remarks	
REMARKS	
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Construction Cost Detail:	
Shower Rooms (16 Total: 3,500 sf)	
1. Remove and replace shower valves (80 @ \$1,500/valve)	120,000
2. Remove and replace assorted piping	180,000
3. Stainless steel shower enclosures	263,500
4. Remove floor coating (3,500 sf @ \$3.50/sf)	12,250
5. Level floor (2,500 sf @ \$10/sf)	25,000
6. Apply epoxy flooring (3,500 sf @ \$25/sf)	87,500
7. Install privacy doors (16 @ \$500/door)	8,000
Total	696,250
8. Secure facility allowance (20%)	103,550
9. Phased project allowance (20%)	103,550
Total	903,350

Proj. No.: M41 Shower and Bathroom Renovations (SNWCC)

Agency: Southern Nevada Womens Correctional Center

Location: N. Las Vegas

Detail Description:

The scope of this project is to renovate the existing Shower and Bathroom Facilities at the Southern Nevada Women's Correctional Center. Stainless steel shower enclosures will be installed. Shower control valves will be replaced and associated piping will be replaced as necessary. Worn and missing drain covers will be replaced and privacy doors will be installed. In addition, the floors will be renovated. This is to include the removal of failing coatings, conducting an acid wash, leveling to eliminate standing water and finishing with an epoxy sealer.

Project Justification:

Leveling floors and application of new floor finishes will reduce possible risks of falling in slippery conditions. Replacement of mixing valves will provide safer showering temperatures and eliminate penetrations in plumbing chase walls that allow moisture penetration.

Background Information:

This correctional center was purchased by the State after being a Design-Build-Operate project in 1997. This CIP was requested in 07, 09 and 2011. Originally this facility was known as the Southern Nevada Women's Correctional Center. It is also known as the Florence McClure Women's Correctional Center

Project No:	M42		Funding Summary		
Title:	Recondition Existing Water Tanks, Phase I (Indian Springs Prison Complex)		State:	382,487	
Description:	Refurbish the interior / exterior existing water storage tanks number 2 & 4, including recoating, welding and structural bolt tightening		Agency:		
			Federal:		
Department:	NDOC	Division:	HDSP	Other:	
Agency:	HDSP	Project Mgr:	DMD	Total:	382,487

Project Group:	Armory, Military or Prisons	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Indian Springs	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	22,000	23,359
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 Service	0	0
PWB Project Mgmt & Inspection	6,115	6,115
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Tank interior survey and report	24,000	25,482
Sub Total	52,115	54,956
Building Costs		
Construction	262,800	278,805
Construction Contingency	39,420	41,821
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
Warer Quality Test	2,500	2,654
Sub Total	304,720	323,280
Miscellaneous		
Advertising	652	692
Printing	3,262	3,463
Bond Sale Costs	90	96
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,004	4,251
Total Project Cost	360,839	382,487

Remarks		
REMARKS		
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Construction Cost Detail:		
Construction:		
1. Recondition 1.5MG tank (32,550 sf @ \$4/sf)		130,200
2. Recondition 0.9MG tank (22,200 sf @ \$4/sf)		88,800
	Total	219,000
3. Remote Facility Allowance (20%)		43,800
	Total	262,800

Proj. No.: M42 Recondition Existing Water Tanks, Phase I (Indian Springs Prison Comp
Agency: High Desert State Prison
Location: Indian Springs

Detail Description:

This project consists of reconditioning the interior/exterior of two (2) existing water storage tanks including recoating, welding and structural bolt tightening as necessary. The water storage tanks will also be sanitized as recommended by the Bureau of Safe Drinking Water.

Project Justification:

The potable water storage tanks provide drinking water, showering water, cooking and all other water needs to High Desert State Prison, Southern Desert Correctional Center and Three Lakes Valley Conservation Camp. The water storage tanks need to be cleaned on the inside and re-sealed to prevent seam leaking. The existing water storage tanks have never been sandblasted, recoated and resealed internally. The tanks should be sanitized on a regular basis, a procedure which should be undertaken every three to six years as recommended by The Bureau of Safe Drinking Water, Nevada Division of Environmental Protection. Sanitized water storage tanks will insure that Department of Corrections water storage tanks remain free of any bacteria and provide a safe and dependable water source for the three NDOC facilities in the Indian Springs area.

This project will also insure the structural integrity of the water tanks. Phase I will consist of water storage tanks #2 & # 4 at High Desert State Prison are 12 years old. Tanks # 2 & #4 are steel bolted tanks and need to be cleaned, resealed, bolts tightened and sanitized.

Background Information:

High Desert State Prison Phase I (HDSP) was funded in project number 97-C01 and included the site improvements, water system and water tanks, core support buildings and four (4) housing units, which was opened in August of 2000. High Desert State Prison's water distribution system incorporated Southern Desert Correctional Center's (SDCC) water system infrastructure into the overall water distribution system. Southern Desert Correctional Center (SDCC) was built in 1981.

Project No:	M43			Funding Summary	
Title:	Exterior Building Protection (High Desert State Prison) - Phase 1			State:	2,335,525
Description:	Reseal Exterior Walls, Expansion Joints, Caulking of control joints and Paint all metal Doors and Windows.			Agency:	
				Federal:	
Department:	NDOC	Division:	HDSP	Other:	
Agency:	HDSP	Project Mgr:	CSB	Total:	2,335,525

Project Group:	Armory, Military or Prisons	Building Area:	398,986	gsf
Project Type:	Rehab	Months To Construction:	18	
Project Site:	Remote	Construction Annual Inflation Rate	3.00%	
Location:	Indian Springs	Total Inflation:	4.53%	

	2012	2014
Professional Services		
A/E Design & Supervision	89,471	93,584
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 Service	0	0
PWB Project Mgmt & Inspection	78,536	78,536
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	168,007	172,120
Building Costs		
Construction	1,795,437	1,876,835
Construction Contingency	269,316	281,526
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
Other	0	0
Sub Total	2,064,753	2,158,360
Miscellaneous		
Advertising	1,259	1,317
Printing	3,005	3,143
Bond Sale Costs	559	585
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,823	5,045
Total Project Cost	2,237,583	2,335,525

Remarks	
REMARKS	
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Construction Cost Detail:	
HDSP, Phase 1 Buildings built in years 2000 & 2001 ~ 398,986 sf	
1. Buildings exterior protection @ \$3.75/sf	1,496,198
2. Secure facility allowance (20%)	299,240
Total	1,795,437

Proj. No.: M43 Exterior Building Protection (High Desert State Prison) - Phase 1

Agency: High Desert State Prison

Location: Indian Springs

Detail Description:

The scope of this project is to reseal the phase 1 buildings' exterior walls. This rehabilitation effort includes expansion joints, control joints, caulking around window and door frames, re-paint all the exterior metal door and window frames. This project is the first phase in resealing the exterior walls.

Project Justification:

High Desert State Prison phase 1 was constructed of concrete and CMU block sealed with water repellent application which only lasts for five years. The concrete and CMU buildings have aged significantly and became brittle, faded due to the extreme weather conditions. The steel sided towers are also in need of painting to prevent corrosion of the exterior and insure long life.

Should these buildings be left unattended for an extended period of time, deterioration and premature failure will occur from water intrusions and harsh desert conditions.

Background Information:

The phase 1 buildings at High Desert State Prison were opened in August of 2000.

Project No: M44
Title: Replace Culinary Flooring (NNCC)
Description: Replace 3,500 sf of kitchen flooring

Funding Summary
State: 478,590
Agency:
Federal:
Other:
Total: 478,590

Department: NDOC **Division:** NNCC
Agency: NNCC **Project Mgr:** RLC

Project Group: Armory, Military or Prisons **Building Area:** 3,500 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	28,737	30,512
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	5,000	5,309
Structural Plan Check	0	0
Mechanical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	26,468	26,468
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	60,955	63,061
Building Costs		
Construction	244,050	258,913
Construction Contingency	36,608	38,837
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
Temporary Kitchen / Meals	107,000	113,608
Sub Total	387,658	411,358
Miscellaneous		
Advertising	636	675
Printing	3,179	3,375
Bond Sale Costs	113	120
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,928	4,171
Total Project Cost	452,541	478,590

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Demolition of floor / degrease	15,000
2. Flooring (3,525 sf @ 35/sf)	123,375
3. Architectural wainscot wall repair	35,000
4. Plumbing fixture repair/replacement	30,000
	Total 203,375
5. Secure facility allowance (20%)	40,675
	Total 244,050

Proj. No.: M44 Replace Culinary Flooring (NNCC)

Agency: Northern Nevada Correctional Center

Location: Carson City

Detail Description:

This project includes the design and construction for the replacement for 3,500 sf of quarry tile floors in the kitchen area.

Project Justification:

The tile floor in the kitchen is in need of replacement. Staff and inmate accidents have been reported along with OSHA findings that attest to the slippery nature and missing tile tripping hazards of that floor. Constant upkeep is necessary and sections of tile have been replaced in the past. NNCC is requesting the tile floor be removed and a non-slip epoxy floor put down in its place.

Background Information:

The NNCC Culinary was built in 1987. It encompasses 16,354 square feet and includes the kitchen, bakery, storerooms, refrigeration rooms, and two side-by-side dining halls. Ramifications should this project not receive funding: Ongoing maintenance and continued slip and fall cases will be reported. This project was requested in the (could not determine) CIP.

Project No: M45
Title: Remove and Replace Infirmary Flooring (Ely State Prison)
Description: Remove and Replace Infirmary Flooring at Ely State Prison

Funding Summary
State: 544,327
Agency:
Federal:
Other:
Total: 544,327

Department: NDOC **Division:** ESP
Agency: ESP **Project Mgr:** CSB

Project Group: Armory, Military or Prisons **Building Area:** 15,000 gsf
Project Type: Remodel **Months To Construction:** 18
Project Site: Remote **Construction Annual Inflation Rate:** 3.00%
Location: Ely **Total Inflation:** 4.53%

	2012	2014
Professional Services		
A/E Design & Supervision	41,675	43,591
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	945	966
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	38,150	38,150
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	80,770	82,707
Building Costs		
Construction	315,000	329,281
Construction Contingency	47,250	49,392
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
Other	0	0
Sub Total	362,250	378,673
Miscellaneous		
Advertising	695	727
Printing	3,475	3,635
Bond Sale Costs	131	137
Agency Moving Costs	75,000	78,448
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	79,301	82,946
Total Project Cost	522,321	544,327

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Remove and replace flooring, 15,000 sf @ \$15/sf	225,000
2. Secure facility allowance (20%)	45,000
3. Remote facility allowance (20%)	45,000
Total	315,000

Proj. No.: M45 Remove and Replace Infirmary Flooring (Ely State Prison)

Agency: Ely State Prison

Location: Ely

Detail Description:

The scope of this project is to resurface the entire flooring of approximately 15,000 sf in the Infirmary at Ely state prison.

Project Justification:

The existing floor is continuing to age and deteriorate. It is becoming a health, safety and a major security issue. Inmates are continuing to remove the pieces of existing hardened linoleum and vinyl tile flooring to make weapons. The floor is becoming harder, already showing signs of wear on the texture which makes it difficult to sanitize and clean which results in injury to staff or inmates and poses health concerns.

Background Information:

This project was previously requested in 07, 09, 11 CIP sessions and never received funding.

Project No: M46
Title: Remove and Replace Culinary Flooring (Ely State Prison)
Description: Remove and Replace Culinary Flooring at Ely State Prison

Funding Summary
State: 288,922
Agency:
Federal:
Other:
Total: 288,922

Department: NDOC **Division:** ESP
Agency: ESP **Project Mgr:** CSB

Project Group: Armory, Military or Prisons **Building Area:** 9,500 gsf
Project Type: Remodel **Months To Construction:** 18
Project Site: Remote **Construction Annual Inflation Rate** 3.00%
Location: Ely **Total Inflation:** 4.53%

	2012	2014
Professional Services		
A/E Design & Supervision	25,732	26,915
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	750	767
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	20,703	20,703
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	47,185	48,385
Building Costs		
Construction	171,000	178,752
Construction Contingency	25,650	26,813
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
Other	0	0
Sub Total	196,650	205,565
Miscellaneous		
Advertising	562	588
Printing	2,811	2,940
Bond Sale Costs	62	65
Agency Moving Costs	0	0
Land Purchase	0	0
Remote Kitchen	30,000	31,379
Purchasing Assessment	0	0
Sub Total	33,435	34,972
Total Project Cost	277,270	288,922

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Remove and replace flooring, 9,500 sf @ \$15/sf	142,500
2. Remote facility allowance (20%)	28,500
Total	171,000

Proj. No.: M46 Remove and Replace Culinary Flooring (Ely State Prison)

Agency: Ely State Prison

Location: Ely

Detail Description:

The scope of this project is to resurface the entire flooring of approximately 9,500 sf in Culinary area of the building with Tufco West Industrial flooring.

Project Justification:

The existing floor is continuing to age, patch, deteriorate and becoming a health, safety and a major security issue. Inmates are continuing to remove the pieces of flooring to make weapons. The floor is becoming harder, already showing signs of wear on the texture which makes it difficult to sanitize and clean which results in injury to staff or inmates and poses health concerns.

Background Information:

ESP Culinary floor was replaced in year 2000 under CIP project 97-M11L (A1) by Tufco West Industrial flooring. The manufacturer recommends that this floor be resurfaced at least at five to eight year intervals.

This project was previously requested in 07, 09, 11 CIP sessions and never received funding.

Project No: M47
Title: Sealing of Expansion Joints and Painting (SNWCC Building)
Description: Reseal building expansion joints, repair cracks and paint walls.

Funding Summary
State: 719,395
Agency:
Federal:
Other:
Total: 719,395

Department: NDOC **Division:** SNWCC
Agency: SNWCC **Project Mgr:** CSB

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: N. Las Vegas **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	50,416	53,530
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 Service	0	0
PWB Project Mgmt & Inspection	45,570	45,570
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	95,986	99,100

Building Costs		
Construction	504,000	534,694
Construction Contingency	75,600	80,204
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
Other	0	0
Sub Total	579,600	614,898

Miscellaneous		
Advertising	819	870
Printing	4,095	4,348
Bond Sale Costs	170	180
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,084	5,398

Total Project Cost 680,670 719,395

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Building exterior walls painting (75,000 sf @ \$2/sf)	150,000
2. Removal of building joint existing sealant	125,000
3. Repair cracks and reseal building joints	145,000
Total	420,000
4. Secure facility allowance (20%)	84,000
Total	504,000

Proj. No.: M47 Sealing of Expansion Joints and Painting (SNWCC Building)

Agency: Southern Nevada Womens Correctional Center

Location: N. Las Vegas

Detail Description:

The scope of this project is to reseal the building exterior expansion joints, repair existing cracks and paint the exterior walls.

Project Justification:

SNWCC Building exterior joint sealants have aged significantly and became brittle, developed cracks on the concrete tilt up panels and the paint has faded due to the extreme weather conditions.

Facility exterior expansion joints and settling cracks needs to be resealed and the exterior walls have to be repainted in order to preserve and extend the life of the structure. If left unattended for extended period of time, deterioration and premature failure will occur from water intrusions and harsh desert conditions.

Background Information:

This is the first CIP request for this work. Originally this facility was known as the Southern Nevada Women's Correctional Center. It is also known as the Florence McClure Women's Correctional Center

Project No:	M49			Funding Summary	
Title:	Elevator Upgrade (Belrose Building)	State:		275,715	
Description:	Improvements and upgrades to the two elevators in the Belrose Building to meet current ADA and/or Fire Code requirements.	Agency:			
		Federal:			
Department:	Admin	Division:	SPWD	Other:	
Agency:	B&G	Project Mgr:	LAR	Total:	275,715

Project Group:	Offices or Dorms	Building Area:	41,075	gsf
Project Type:	Remodel	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	23,710	25,174
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
Civil Plan Check	0	0
ADA Plan Check	750	773
Fire Marshal Plan Check	750	1,159
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	20,132	20,132
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	46,842	48,784
Building Costs		
Construction	181,200	192,235
Construction Contingency	27,180	28,835
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	2,000	2,124
Other	0	0
Sub Total	210,380	223,194
Miscellaneous		
Advertising	576	612
Printing	2,879	3,057
Bond Sale Costs	65	69
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,520	3,737
Total Project Cost	260,742	275,715

REMARKS		
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.		
Construction Cost Detail:		
West Side Elevator		
1. Controls, ADA Signage, and Equipment Components	90,000	
2. Ventilation System	17,000	
3. Additional Electrical Upgrades	15,000	
4. Connection to Fire Alarm System	11,000	
East Side Elevator		
5. Minimal Elevator Upgrades: ADA Signage/Controls	18,000	
	Total	151,000
6. Occupied facility allowance (20%)		30,200
	Total	181,200

Proj. No.: M49 Elevator Upgrade (Belrose Building)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

The scope of this project is to provide improvements and upgrades to elevator equipment, signage, controls and a ventilation unit to address ADA and/or fire safety requirements for two elevators.

Project Justification:

The Department of Rehabilitation serves a significant number of clients with special needs. The offices to serve these clients are on the second floor of the building and the clients for the most part use one of the elevators. Currently, the existing elevators do not meet the ADA requirements for signage, controls and in addition the elevators do not meet current fire code for manual override operation for firefighters as well as universal key for firefighter use.

Background Information:

The Belrose Office Building is 41,075 sf and was constructed in 1973. The building houses the Department of Rehabilitation, Youth Parole, Adult Parole and Probation, and the Division of Child and Family Services.

Project No:	M50			Funding Summary	
Title:	Replace Freight Elevator (Nevada State Museum)	State:		1,022,108	
Description:	Install new larger freight elevator in place of the existing elevator, increase elevator shaft size to accommodate elevator	Agency:			
		Federal:			
Department:	CultAffr	Division:	MusHist	Other:	
Agency:	Museum	Project Mgr:	RMO	Total:	1,022,108

Project Group:	Labs, Medical or Museums	Building Area:	200	gsf
Project Type:	Remodel	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	94,109	99,921
Surveys	1,500	1,546
Soils Analysis	3,500	3,606
Materials Testing Services	2,866	3,043
Structural Plan Check	1,674	1,725
Mechanical Plan Check	2,022	2,084
Electrical Plan Check	1,213	1,250
Civil Plan Check	1,441	1,485
ADA Plan Check	2,022	2,084
Fire Marshal Plan Check	2,022	3,125
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	73,894	73,894
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	186,263	193,762
Building Costs		
Construction	674,000	715,047
Construction Contingency	101,100	107,257
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
Other	0	0
Sub Total	775,100	822,304
Miscellaneous		
Advertising	908	964
Printing	4,541	4,821
Bond Sale Costs	242	257
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,691	6,042
Total Project Cost	967,054	1,022,108

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Demolition / Sitework	130,000
2. Elevator Shaft Modifications	280,000
3. Freight Elevator	264,000
Total	674,000

Proj. No.: M50 Replace Freight Elevator (Nevada State Museum)

Agency: Museums and History

Location: Carson City

Detail Description:

The scope of this project is to remove the existing noncompliant and inadequate 1959 freight elevator, increase the size of the elevator shaft, and install a larger freight elevator. This project would be designed to be compatible with 2013 CIP Project No. 13-C05 that requests a new loading dock adjacent to and served by the new freight elevator

Project Justification:

The existing 1959 freight elevator has long exceeded its service life. Due to the lack of funds to make costly repairs, the elevator will likely be shut down. Investing in an elevator that is so old and too small for current needs is financially unsound. Many repair parts are no longer available. Examples of repairs include: installing two safety plates in the cylinder tub; installing control panels in braille and at the proper height; updating control relays; and installing a post indicator to show what floor the elevator is at. The elevator is too small for transporting building materials to the basement shop. The current size can't properly accommodate 4' X 8' sheet goods and longer lumber. The elevator is too small for moving exhibit props, large artifacts, and equipment between floors. Exhibits draw attendance and generate admissions, store sales, and sponsorship revenue. Transporting large objects up and down stairs is unsafe.

Background Information:

The need for the freight elevator replacement has existed for many years. The CIP was previously requested during the FY2001, 2003, 2005, 2007, 2009, and 2011 legislative sessions. The museum expects that the elevator could be shut down soon for safety violations. The museum offers new exhibits on a regular basis which has brought in more visitors and revenue. The lack of a freight elevator would inhibit the placement of these new exhibits which would result in a drop of visitor number, and a loss of revenue.

The Nevada State Museum is reduced to four day a week service. Average attendance over the last five years is 38,000 per year. Prior to partial closure the museum averaged 56,350 visitors per year. The museum will return to seven day a week operation in 2013.

It is virtually impossible to predict the impact on visitor counts if the freight elevator replacement is not funded. Without a working freight elevator the museum will have to forego scheduling major changing exhibits, a proven significant draw for visitors. We see the primary impact of the elevator is what additional visitors may attend. A single "blockbuster" changing exhibit could draw as many as 20,000 additional visitors in this market over the course of 4-6 months

Project No: M51
Title: Drainage System Improvements (Governor's Mansion)
Description: Design and construct upgrades to the existing drainage system for the back yard.

Funding Summary
State: 75,226
Agency:
Federal:
Other:
Total: 75,226

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

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	8,000	8,494
Surveys	8,000	8,243
Soils Analysis	3,500	3,606
Materials Testing Services	5,000	5,309
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	320	330
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 Service	0	0
PWB Project Mgmt & Inspection	7,068	7,068
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	31,888	33,050
Building Costs		
Construction	32,000	33,949
Construction Contingency	4,800	5,092
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	750	796
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	37,550	39,837
Miscellaneous		
Advertising	364	386
Printing	1,820	1,932
Bond Sale Costs	18	19
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,202	2,338
Total Project Cost	71,640	75,226

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Install new drain piping (225 lf - 6" pipe @ \$60/lf)	13,500
2. Connect to existing yard drains	6,500
3. Repair landscaping & concrete walks	12,000
Total	32,000

Proj. No.: M51 Drainage System Improvements (Governor's Mansion)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

Design and construct upgrades to the existing drainage system for the back yard of the Governor's Mansion. This project would install an underground drainage piping system that would convey the drainage south to West Robinson Street where it would enter Carson City's public storm drain system. The project would include rehabilitation of the concrete and landscaping that is impacted by the project.

Project Justification:

The west edge of the mansion is subject to excessive water build-up due to inadequate drainage provisions. The back yard currently has a system of french drains that do not properly function and cause flooding of the back yard during rain storms or even normal irrigation.

Background Information:

The back yard of the Governor's Mansion will continue to flood during precipitation events and with irrigation activities thus limiting the Governor's Mansion back yard use for special events and functions.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: M52
Title: Exterior Finishes (Governor's Mansion Complex)
Description: Recaulking and painting of buildings exterior surfaces

Funding Summary
State: 609,656
Agency:
Federal:
Other:
Total: 609,656

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

Project Group: Offices or Dorms **Building Area:** 21,476 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	56,766	60,272
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 Service	0	0
PWB Project Mgmt & Inspection	38,752	38,752
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	95,518	99,024
Building Costs		
Construction	405,838	430,554
Construction Contingency	60,876	64,583
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	10,618
Other	0	0
Sub Total	476,714	505,754
Miscellaneous		
Advertising	599	636
Printing	3,829	4,065
Bond Sale Costs	166	176
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,594	4,878
Total Project Cost	576,826	609,656

Remarks	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Governor's Mansion (10,000 sf @ \$20/sf)	200,000
2. North Hall (6,608 sf @ \$11/sf)	72,688
3. Cook's residence (1,000 sf @ \$11.50/sf)	11,500
4. Storage shed (800 sf @ \$4.50/sf)	3,600
5. Pavilion (3,000 sf @ \$5.50/sf)	16,500
6. Garage (1,000 sf @ \$5.50/sf)	5,500
7. Miscellaneous gutter repair	15,610
8. Balcony railing repair (17 @ \$400/each)	6,800
9. Landscape protection and repair	6,000
	Total 338,198
10. Occupied Facility Allowance (20%)	67,640
	Total 405,838

Proj. No.: M52 Exterior Finishes (Governor's Mansion Complex)

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

The scope of this project is to repaint the exterior surfaces of the buildings in the Governor's Mansion complex. In addition to painting, this work includes exterior wall caulking, rain gutter repair and sealing to ensure weather tight buildings. The buildings to be repainted are the Governor's Mansion, North Hall, cook's house, garage, equipment and storage sheds, and the Llewellyn Gross Memorial Pavilion.

Project Justification:

The intent of this project is to maintain the weather resistance and aesthetic appearance of the Governor's Mansion complex. The complex is used for numerous special events for the State of Nevada and is a popular landmark for citizens and out-of-state visitors. The exterior finishes of the complex are beginning to look under maintained and do not present a good image for the state. If this project is not approved the continued deferred maintenance of exterior caulking and painting will lead to increased long-term maintenance costs and appearance of the Governor's Mansion complex will continue to degrade.

Background Information:

This project was originally recommended in the Facility Condition Analysis report dated 03/10/2000. It has been amended accordingly to include conditions in need of repair observed during the most recent survey date of 05/15/2008.

Project No: M53
Title: Rehabilitate Historic Building (Old Las Vegas Mormon Fort Park)
Description: Rehabilitation of adobe walls and windows.

Funding Summary
State: 159,583
Agency:
Federal:
Other:
Total: 159,583

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

Project Group: Labs, Medical or Museums **Building Area:** 450 gsf
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Las Vegas **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	17,000	18,050
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 Service	0	0
PWB Project Mgmt & Inspection	15,072	15,072
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	32,072	33,122
Building Costs		
Construction	101,160	107,321
Construction Contingency	15,174	16,098
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
Other	0	0
Sub Total	116,334	123,419
Miscellaneous		
Advertising	471	500
Printing	2,356	2,501
Bond Sale Costs	38	40
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,865	3,042
Total Project Cost	151,271	159,583

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Window Restoration (11 Units @ \$1,200 ea)	13,200
2. Temporary Windows/Barriers (200 sf @ \$30/sf)	6,000
3. Wall Restoration (924 sf @ \$25/sf)	23,100
4. Re-coat Exterior of Building (3,000 sf @ \$14/sf)	42,000
	Total 84,300
5. Phasing allowance (20%)	16,860
	Total 101,160

Proj. No.: M53 Rehabilitate Historic Building (Old Las Vegas Mormon Fort Park)

Agency: Nevada Division of State Parks

Location: Las Vegas

Detail Description:

The scope of this project is to rehabilitate the Old Las Vegas Mormon Fort State Historic Park, Historic Fort Museum. The rehabilitation will include the restoration of the adobe walls and repair windows with historic accuracy. All of the work will need to be compliant with Nevada State Historic Preservation Office (SHPO) requirements.

Project Justification:

In various locations the adobe walls have deteriorated due to rain and wind. As a result, in various locations, the original adobe has been nearly exposed and/or completely exposed to the natural elements. The exposed adobe is prone to sustain irreversible damage being the oldest non-native building in Las Vegas. The windows have deteriorated over the years. The air gaps allow insects and dust into the building. This triggers regular alarms and responses from staff and emergency responders.

Background Information:

This is a historic building constructed in 1855 of adobe and wood frame windows. The building is a fully operational museum that is visited by locals as well as national and international visitors. Currently, the building is in the national registry for historic buildings. Rehabilitation of the building was last performed approximately 10 years ago.

Project No: M54
Title: Replace Man Doors (Stead Training Facility)
Description: Remove and install doors and hardware. (100%F)
Department: Military **Division:** NArmyNG
Agency: NArmyNG **Project Mgr:** RMO

Funding Summary
State: 27,038
Agency: 0
Federal: 347,159
Other: 0
Total: 374,197

Project Group: Armory, Military or Prisons **Building Area:** 48,000 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Reno **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	28,851	30,633
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	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	22,033	22,033
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	51,634	53,439
Building Costs		
Construction	259,440	275,240
Construction Contingency	38,916	41,286
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
Other	0	0
Sub Total	298,356	316,526
Miscellaneous		
Advertising	650	690
Printing	3,248	3,449
Bond Sale Costs	88	93
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,986	4,232
Total Project Cost	353,976	374,197

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Double doors, panic, and windows (4 @ \$6,500/each)	26,000
2. Single doors, panic, and windows (8 @ \$4,000/each)	32,000
3. Single doors (4 @ \$3,300/each)	13,200
4. Single doors and windows (6 @ \$3,600/each)	21,600
5. Double doors (11 @ \$6,200/each)	68,200
6. Single doors, panic, card reader (8 @ \$6,900/each)	55,200
	Total 216,200
7. Occupied facility allowance (20%)	43,240
	Total 259,440

Proj. No.: M54 Replace Man Doors (Stead Training Facility)

Agency: Nevada Army National Guard

Location: Reno

Detail Description:

The scope of this project is to remove and replace all exterior metal doors and required door hardware.

This project would be funded with federal funds for 100% of applicable costs. State funding is being requested for project management, inspection, plan checking, advertising and printing.

Project Justification:

The exterior doors are subject to excessive wear and damage to the point that the doors are not operating properly resulting in a compromise of facility security.

Background Information:

The Stead Training Facility was constructed in the 1960's.

Project No: M55
Title: Upgrades to the Compact Shelving (State Library and Archives Building)
Description: Conversion and Modernize Existing High Density Mobile Shelving
Department: Admin **Division:** LibArch
Agency: LibArch **Project Mgr:** RLC

Funding Summary
State: 463,801
Agency:
Federal:
Other:
Total: 463,801

Project Group: Labs, Medical or Museums **Building Area:** 0 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	7,000	7,432
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	750	773
Civil Plan Check	0	0
ADA Plan Check	750	773
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	6,194	6,194
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	14,694	15,172
Building Costs		
Construction	24,000	25,462
Construction Contingency	3,600	3,819
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	0	0
Data/Telecom Wiring	0	0
Furnishings and Equipment	385,000	408,776
Roof Maint. Agreement	0	0
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	412,600	438,057
Miscellaneous		
Advertising	308	327
Printing	1,540	1,635
Bond Sale Costs	109	116
Agency Moving Costs	8,000	8,494
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	9,957	10,572
Total Project Cost	437,251	463,801

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Electrical modifications	3,000
2. Carpet / VCT flooring (4,000 sf @ \$4.50)	18,000
3. Rubber transition strips	3,000
Total	24,000
FF&E Detail	
4. Shelving system upgrades	385,000

Proj. No.: M55 Upgrades to the Compact Shelving (State Library and Archives Building)

Agency: Library and Archives

Location: Carson City

Detail Description:

The scope of this project is to upgrade the existing motorized compact shelving at the State Library and Archives. Upgrades include conversion of the main Library shelving systems and the Talking Book collection to a mechanical assist system, or manual system; and refurbishing / modernizing the automated shelving systems in Rooms 204 and 205 with new electronic and mechanical components.

Project Justification:

The electronic controls and safety devices are twenty years old and need to be replaced to ensure the safety of agency staff and the public who use the shelving systems. Vendors no longer support the existing shelving system electronic controls because replacement parts are not available. The shelving units are located in both staff and public areas. There are 33 staff and 47 public (80 total) shelving units that need to be converted and/or refurbished. Currently 16 units require safety override operation to access the materials. If the systems are not upgraded, the compact shelving will have to be closed to the public due to safety concerns. This will significantly hinder public access to the material, delay getting information to the public and other state agencies, and increase the staff time required for this activity that should be used for other program purposes.

Background Information:

This project was requested as a 2009 CIP project. The State Public Works Board recommended that it be submitted as an M425 Deferred Maintenance project. The Budget office requested that it be submitted as an item for special consideration in the session, but it was not funded.

Project No: M56
Title: Roof Replacement (Nevada State Veterans Home)
Description: This project would provide for a single ply roofing system

Funding Summary
State: 1,788,749
Agency:
Federal:
Other:
Total: 1,788,749

Department: VetSvc **Division:** VetSvc
Agency: VetSvc **Project Mgr:** MHF

Project Group: Offices or Dorms **Building Area:** 0 gsf
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Boulder City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	101,299	107,555
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 Service	0	0
PWB Project Mgmt & Inspection	90,461	90,461
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	191,760	198,016
Building Costs		
Construction	1,293,288	1,372,049
Construction Contingency	193,993	205,807
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
Other	0	0
Sub Total	1,497,281	1,587,856
Miscellaneous		
Advertising	381	405
Printing	1,905	2,023
Bond Sale Costs	423	449
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,709	2,876
Total Project Cost	1,691,750	1,788,749

Remarks	
REMARKS	
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Construction Cost Detail:	
1. Single Ply Membrane (17,107 sf @ \$8/sf)	136,856
2. Décor system with Insulation (72,277 sf @ \$16/sf)	1,156,432
Total	1,293,288

Proj. No.: M56 Roof Replacement (Nevada State Veterans Home)

Agency: Office of Veterans Services

Location: Boulder City

Detail Description:

This project would provide for a single ply roofing system on the Veterans Home, located in Boulder City.

Project Justification:

The scope of this project is to remove and replace the failed single ply roofing system that has gone beyond its useful life, and to overlay a new single ply system on a leaking metal roof. The new roofing will insure a water tight roofing system.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit 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.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: M57
Title: Deferred Maintenance (HECC/SHECC)
Description: "U" Money
Department: NSHE **Division:** NSHE
Agency: NSHE **Project Mgr:** WDP

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

Project Group: Storage or Warehousing **Building Area:** 0 **gsf**
Project Type: New **Months To Construction:** 0
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Various **Total Inflation:** 0.00%

	2012	2014
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 Service	0	0
PWB Project Mgmt & Inspection	150,000	150,000
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	150,000	150,000
Building Costs		
Construction	14,848,083	14,848,083
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
Other	0	0
Sub Total	14,848,083	14,848,083
Miscellaneous		
Advertising	0	0
Printing	0	0
Bond Sale Costs	1,917	1,917
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,917	1,917
Total Project Cost	15,000,000	15,000,000

Remarks	
REMARKS	
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Construction Cost Detail:	
HECC:	
1. UNLV	3,307,796
2. UNR	3,601,238
3. CSN	1,274,142
4. TMCC	563,771
5. WNC	325,290
6. GBC	310,450
7. DRI	252,068
8. NSC	65,992
9. System Administration	65,992
10. Contingency Pool	131,985
Total	9,898,722
SHECC:	
1. UNLV	1,653,899
2. UNR	1,800,620
3. CSN	637,072
4. TMCC	281,886
5. WNC	162,646
6. GBC	155,224
7. DRI	126,033
8. NSC	32,995
9. System Administration	32,995
10. Contingency Pool	65,990
Total	4,949,361
Total	14,848,083

Proj. No.: M57 Deferred Maintenance (HECC/SHECC)

Agency: Nevada System of Higher Education

Location: Various

Detail Description:

This project consists of, ongoing system-wide repairs and improvements that are completed for less than \$500,000, and are undertaken to reduce the backlog of deferred maintenance. Also included are projects estimated to be completed for under \$100,000, which as those undertaken to renovate existing space, or to improve safety and accessibility of a structure by modifying fire ratings or the exiting system. 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:

To mitigate backlog of deferred maintenance.

Background Information:

Beyond the \$15 million in deferred maintenance projects identified for the upcoming biennium, the NSHE Facilities group acknowledge a 10-year, system-wide backlog of projects totaling approximately \$500 million, or \$50 million per year. The backlog was identified during Phase I of a facilities condition assessment conducted by the ISES Corporation on behalf of NSHE's institutions. The study evaluated 71 of NSHE's buildings constructed over 25 years ago, and included an assessment of over 3.346 million square feet of space. The 2009 HECC/SHECC allocation includes a carve out totaling \$139,434 to complete Phase II of the facilities condition audit, which will expand the study to include all buildings in excess of 20 year of age. The current study was used as an internal planning document to assist the institutions with planning deferred maintenance projects for the 2009 budget cycle.

Project No:	M58			Funding Summary	
Title:	HVAC System Renovation (Carson City Motor Pool)			State:	0
Description:	Replace existing heating, ventilating, and air conditioning equipment at the Carson City Motor Pool building.			Agency:	46,890
				Federal:	0
Department:	Admin	Division:	Admin	Other:	0
Agency:	Admin	Project Mgr:	DBN	Total:	46,890

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	4,000	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Carson City	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	8,346	8,861
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	750	773
Electrical Plan Check	750	773
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 Service	0	0
PWB Project Mgmt & Inspection	6,480	6,480
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	16,326	16,887
Building Costs		
Construction	23,000	24,401
Construction Contingency	3,450	3,660
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
Other	0	0
Sub Total	26,450	28,061
Miscellaneous		
Advertising	305	324
Printing	1,524	1,618
Bond Sale Costs	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,829	1,942
Total Project Cost	44,605	46,890

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. (2) Upflow furnaces (50 mbh) with cooling coil @ \$2,500	5,000
2. (2) Condensing units (2-1/2 ton) with concrete pad	7,000
3. Refrigerant piping and insulation	3,000
4. Flue and combustion air modifications	3,000
5. Demolition and disposal of existing equipment	1,000
6. Testing and balancing	2,000
7. Programmable thermostats with locking covers	1,000
8. Commissioning	1,000
Total	23,000

Proj. No.: M58 HVAC System Renovation (Carson City Motor Pool)

Agency: Administration

Location: Carson City

Detail Description:

This project includes replacement of the existing heating, ventilating, and air conditioning equipment that serves the administration portion of the Motor Pool building in Carson City.

It is intended that this project be funded utilizing the agency's Enterprise Fund.

Project Justification:

This equipment is more than 25 years old and has reached the end of its useful life.

Background Information:

The Motor Pool building is approximately 4,000 total square feet with the administrative area being approximately 2,500 square feet.

Project No:	P01		Funding Summary
Title:	Planning for Sahara DMV Replacement Building		State: 0
Description:	This project is for design through construction documents of a DMV office in Central Las Vegas.		Agency: 2,143,330
			Federal: 0
Department:	DMV	Division: DMV	Other: 0
Agency:	DMV	Project Mgr: WPS	Total: 2,143,330

Project Group:	Offices or Dorms	Building Area:	38,500	gsf
Project Type:	New	Months To Construction:	15	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	3.76%	

	2012	2014
Professional Services		
A/E Design & Supervision	1,487,862	1,544,644
Surveys	20,000	20,378
Soils Analysis	15,000	15,284
Materials Testing Services	0	0
Structural Plan Check	6,348	6,468
Mechanical Plan Check	8,998	9,168
Electrical Plan Check	7,399	7,539
Civil Plan Check	5,498	5,602
ADA Plan Check	10,721	10,924
Fire Marshal Plan Check	27,528	42,073
Code Compliance Plan Check	34,835	35,493
Constructability Plan Check	0	0
CMAR Pre-Construction Service	95,953	99,615
PWB Project Mgmt & Inspection	253,239	253,239
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	1,973,381	2,050,426
Building Costs		
Construction	0	0
Construction Contingency	0	0
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	85,000	88,244
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
Other	0	0
Sub Total	85,000	88,244
Miscellaneous		
Advertising	2,355	2,445
Printing	2,134	2,215
Bond Sale Costs	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,489	4,660
Total Project Cost	2,062,870	2,143,330

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Building (38,500 sf @ \$350/sf)	13,475,000
2. Site Development (9 acres @ \$6 / sf)	2,352,240
3. B & G Building Demolition	165,000
Total	15,992,240

Proj. No.: P01 Planning for Sahara DMV Replacement Building

Agency: DMV

Location: Las Vegas

Detail Description:

This project includes the design through the construction documents for a new 38,500 sf Department of Motor Vehicle Service Office that would replace the current East Sahara DMV Facility. The new design will include a vehicle inspection station, an emissions control facility, a motorcycle test course and will include the design to raze the existing Buildings and Grounds building which is located in the central area of the site.

Funding for this project is proposed to be 100% Highway Funds.

Project Justification:

There has been significant increase in customer volumes in the Las Vegas Metro area. Based upon the age, size, life cycle and location of the existing Sahara DMV building, a new facility to replace and upgrade the services provided at this high volume location is critical.

Background Information:

Since the completed construction in 1976, this facility has undergone numerous remodels and transitions in the attempt to modernize the functionality as well as the building systems. Advances in technology, energy efficiency and methods of service have changed so dramatically in the past 36 years that additional modifications to this structure are no longer feasible or cost effective.

Project No:	P02		Funding Summary		
Title:	Planning for Las Vegas Metro Building Upgrades		State:	319,287	
Description:	Design through Construction documents for tenant improvements to accommodate State use.		Agency:		
			Federal:		
Department:	Admin	Division:	SPWD	Other:	
Agency:	B&G	Project Mgr:	WPS	Total:	319,287

Project Group:	Offices or Dorms	Building Area:	16,150	gsf
Project Type:	Rehab	Months To Construction:	15	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	3.76%	

	2012	2014
Professional Services		
A/E Design & Supervision	199,166	206,767
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	4,142	4,220
Electrical Plan Check	3,285	3,347
Civil Plan Check	2,238	2,280
ADA Plan Check	3,245	3,306
Fire Marshal Plan Check	4,676	7,147
Code Compliance Plan Check	6,164	6,281
Constructability Plan Check	0	0
CMAR Pre-Construction Service	21,425	22,243
PWB Project Mgmt & Inspection	58,911	58,911
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	303,252	314,502

Building 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
Other	0	0
Sub Total	0	0

Miscellaneous		
Advertising	1,333	1,384
Printing	3,199	3,321
Bond Sale Costs	77	80
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,609	4,785

Total Project Cost **307,861** **319,287**

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2014 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Tenant Improvements (16,150 sf@ \$70/sf)	1,130,500
2. Roofing	200,000
3. Fire suppression system & alarm	255,000
4. Exterior insulating and finish system (EIFS)	186,000
5. Parking lot upgrades	91,000
6. Insulated glazing systems	60,000
7. HVAC and plumbing upgrades	120,000
8. Electrical upgrades	100,000
Total	2,142,500

Proj. No.: P02 Planning for Las Vegas Metro Building Upgrades

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

The proposed scope of work includes design of exterior insulation and finishes, re glazing, re roofing, installation of a fire sprinkler system, painting, carpeting, IT/ phone installation, ADA upgrades, lighting and ceiling upgrades, slurry seal, interior tenant improvements and upgrades to the HVAC systems.

Project Justification:

Accomplishing this work will allow the relocation of the Buildings & Grounds facilities currently located south of the property to a better functioning building as well as other State Agencies in the Las Vegas area. The relocation of Buildings and Grounds will also allow future Capital Improvement to the overall East Sahara Complex site.

Background Information:

This building is located on State property and has been reverted to the State upon the vacation by the City of Las Vegas Metropolitan Police Department. The building is located at the Southeast Corner of the intersection of St Louis Avenue and Atlantic Street in Las Vegas and the building served as a Metro Police Sub Station. It is comprised of 16,150 square feet of offices and includes a high bay storage area.

Project No: P03
Title: Armory Building Renovation
Description: Design thru programming and schematic design for the structural seismic retrofit and facility renovation of the 9,600 sf building for offices
Department: Admin **Division:** SPWD
Agency: B&G **Project Mgr:** RMO

Funding Summary
State: 144,080
Agency:
Federal:
Other:
Total: 144,080

Project Group: Offices or Dorms **Building Area:** 9,600 gsf
Project Type: Rehab **Months To Construction:** 15
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Carson City **Total Inflation:** 3.76%

	2012	2014
Professional Services		
A/E Design & Supervision	76,507	79,427
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 Service	0	0
PWB Project Mgmt & Inspection	30,373	30,373
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Programming/Masonry Testing	30,000	31,145
Sub Total	136,880	140,945
Building 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
Other	0	0
Sub Total	0	0
Miscellaneous		
Advertising	1,485	1,542
Printing	1,500	1,557
Bond Sale Costs	35	36
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,020	3,135
Total Project Cost	139,900	144,080

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2014 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Construction:	
1. Renovation (9,600 sf @ \$315/sf)	3,024,000
Total	<u>3,024,000</u>

Proj. No.: P03 Armory Building Renovation

Agency: Buildings & Grounds

Location: Carson City

Detail Description:

The scope of this project is to complete program and schematic design for the structural seismic reinforcing and building rehabilitation utilizing energy efficient design solutions to provide office space for State Agencies currently in leased spaces. This project will be located at the former Buildings and Grounds Office which was originally constructed as the State armory. It is a historical building however it is not on the national or state list of historic buildings. A structural feasibility study has been completed. This study focused on structural seismic retrofit only. The land that the building is on is currently state-owned.

Project Justification:

This project should be funded for several reasons. First, the building, which is now essentially vacant, would be retrofitted to comply with current seismic codes and with the proposed upgrades, will be better protected from damage caused by an earthquake and other issues associated with aged buildings. Second, agencies that are currently paying for leased space or are otherwise in undesirable locations, could find economic value in consolidating space and residing in a state owned building. Third, State Agencies that may have previously been located further away could now be located within the Capitol Complex and closer to the other agencies with which they work. Finally, the renovation of a historic building with energy efficient methodologies, technologies and materials would reflect the goals of the State to promote energy conservation.

Background Information:

The State Energy Office has set aside \$1,000,000 to contribute to the construction of this project. The seismic retrofit portion of this project was previously proposed in the 2011 CIP. The building was built in 1900 and is 9,600 square feet in area (if the two floors are fully utilized). There have been several remodels done to the interior over the years resulting in some well-planned interior spaces and some spaces that are not being utilized properly. The Buildings and Grounds section moved out of the facility in 2011 as part of the Governor's consolidation effort. Because of the fact that this is a historic building, the project will require additional construction funding for SHPO review and compliance.

Project No:	P04		Funding Summary		
Title:	Field Maintenance Shop (Washoe County Armory)		State:	1,044,330	
Description:	Planning thru Construction Documents, 20,585 sf Shop and 2,112 sf Shop Alteration, at Harry Reid Training Center		Agency:	0	
			Federal:	0	
Department:	Military	Division:	NArmyNG	Other:	0
Agency:	NArmyNG	Project Mgr:	WDP	Total:	1,044,330

Project Group:	Armory, Military or Prisons	Building Area:	22,697	gsf
Project Type:	New	Months To Construction:	15	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Reno	Total Inflation:	3.76%	

	2012	2014
Professional Services		
A/E Design & Supervision	747,565	776,095
Surveys	10,000	10,189
Soils Analysis	12,000	12,227
Materials Testing Services	0	0
Structural Plan Check	4,456	4,540
Mechanical Plan Check	7,106	7,240
Electrical Plan Check	6,264	6,382
Civil Plan Check	3,685	3,755
ADA Plan Check	3,000	3,057
Fire Marshal Plan Check	15,044	22,993
Code Compliance Plan Check	19,987	20,365
Constructability Plan Check	13,601	13,858
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	157,718	157,718
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	1,000,426	1,038,418

Building 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
Other	0	0
Sub Total	0	0

Miscellaneous		
Advertising	1,998	2,074
Printing	3,445	3,576
Bond Sale Costs	251	261
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,694	5,911

Total Project Cost	1,006,120	1,044,330
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REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2014 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Field Maintenance Shop (20,585 sf @ \$310/sf)	6,381,350
2. Field Maintenance Shop Alteration (2,112 sf @ \$210/sf)	443,520
3. Site Development Costs (2 acres at \$17/sf)	1,481,040
4. 15 Ton Crane	120,000
Total	8,425,910

Proj. No.: P04 Field Maintenance Shop (Washoe County Armory)

Agency: Nevada Army National Guard

Location: Reno

Detail Description:

This project includes the planning and design through construction documents of a 22,585 sf Facility Maintenance Shop and the remodel of the existing 2,112 sf Field Maintenance Shop at the Harry Reid Training Center also known as the Washoe County Armory. The facility will include a 15 ton crane, site improvements, access control point and the project includes the erected monument/sign. This project is required to achieve at least the silver level of Leadership in Energy and Environmental Design (LEED) – New Construction.

This planning project requires seed money for the entire amount of the presented project. At the time construction funding is made available the Architectural and engineering services only will be reimbursed at 100%.

The construction project is a 100% federally funded project. However, state funds are planned to be requested to cover off-site development costs, project management, inspection, plan checking, advertising, and printing. The funding is scheduled to come from the Future Years Defense Program (FYDP).

Project Justification:

This project is justified by the need to improve wheeled vehicle maintenance support activities within the region.

Background Information:

The training center property is leased to the NVARNG from the Reno-Stead Airport Commission.

Project No:	P05		Funding Summary		
Title:	UNLV Hotel College Academic Building		State:	3,220,000	
Description:	Planning through Construction Documents and Guaranteed Maximum Price (Reallocation of funds- 40%A / 60%S)		Agency:	0	
			Federal:	0	
Department:	NSHE	Division:	UNLV	Other:	1,725,461
Agency:	UNLV	Project Mgr:	WPS	Total:	4,945,461

Project Group:	Classrooms	Building Area:	95,000	gsf
Project Type:	New	Months To Construction:	15	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	3.76%	

	2012	2014
Professional Services		
A/E Design & Supervision	3,688,713	3,829,487
Surveys	11,000	11,208
Soils Analysis	7,500	7,642
Materials Testing Services	0	0
Structural Plan Check	10,873	11,079
Mechanical Plan Check	24,500	24,963
Electrical Plan Check	18,750	19,104
Civil Plan Check	9,813	9,998
ADA Plan Check	15,750	16,048
Fire Marshal Plan Check	56,003	85,592
Code Compliance Plan Check	66,650	67,910
Constructability Plan Check	0	0
CMAR Pre-Construction Service	166,250	172,595
PWB Project Mgmt & Inspection	320,095	320,095
3rd Party Commissioning	0	0
FF&E Design Fee	250,575	260,138
Other	0	0
Sub Total	4,646,472	4,835,859
Building Costs		
Construction	0	0
Construction Contingency	0	0
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	103,500	107,450
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
Other	0	0
Sub Total	103,500	107,450
Miscellaneous		
Advertising	1,000	1,038
Printing	1,073	1,114
Bond Sale Costs	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,073	2,152
Total Project Cost	4,752,045	4,945,461

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2014 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Classroom Building (95,000 sf @ \$350)	33,250,000
Funding Summary:	
1. Funds received from UNLV	1,500,000
2. Additional Funds to be received from UNLV	648,000
Total	2,148,000
3. UNLV Funds Previously Spent	422,539
Total	1,725,461
4. 2009 bond proceeds to be reallocated	710,000
5. 2009 CIP authority to be reallocated	2,510,000
Total	3,220,000

Proj. No.: P05 UNLV Hotel College Academic Building

Agency: University of Nevada, Las Vegas

Location: Las Vegas

Detail Description:

This request is to complete the planning process through construction documents for the UNLV Hotel College Academic Building for the William F. Harrah College of Hotel Administration. The proposed building is comprised of approximately 95,000 sf of multi-story programmed space that includes classrooms, offices, conference areas, hospitality research laboratory spaces, food & beverage services and storage spaces, auditoriums, teaching laboratories and support areas.

This request is to retain the State commitment of \$3,220,000 but to reduce the UNLV commitment to \$1,725,461 for a total project cost estimate of \$4,945,461. Adding the UNLV previously spent funds of \$422,539 to their current commitment, the project is 60% State funds and 40% Agency funds.

Project Justification:

The College of Hotel Administration currently shares the approximately 115,000 sf Beam Hall building circa 1983 with the College of Business centrally located on the Main Campus. The nationally recognized program has outgrown this 45,000 sf of shared space, and the additional 35,000 sf of shared space within the Stan Fulton Building, located at the very North end of the campus. This is negatively impacting the College's ability to recruit top-notch students and faculty to their programs. The Hotel College is one of UNLV's most in-demand, successful and prominent academic and research programs, with FTE enrollment growing 46% from 1995 to 2011.

Background Information:

The 2009 CIP approved planning funds for this project (09-P02a) of which \$3,220,640 was State and \$3,220,640 was Agency. Through the programming process \$422,539 has been spent. The project was put on hold. UNLV is now proposing to move the site of the building to a more central campus location directly to the West of Beam Hall. This location will better support the connection of the Hotel College to the overall UNLV Campus and will coordinate well with the existing food and beverage teaching spaces that will remain in Beam Hall. This new location will not be affected by any wash issues and the scope for the wash improvements will be separate from this project. The 2011 CIP request for \$43,558,720 for construction and FF&E was not approved. UNLV has advanced \$1,500,000 to the SPWD to date. \$648,000 of additional funds will be provided by UNLV for the current proposed UNLV funding share of 40% of the CIP request (\$2,148,000).

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No:	P06		Funding Summary	
Title:	Planning for Sanitary Sewer Upgrades, SNCAS, SNAMHS, and DRC		State:	240,266
Description:	Planning through construction documents to upgrade and replace key components of the gravity sanitary sewer system		Agency:	
			Federal:	
Department:	DHHS	Division:	DHHS	Other:
Agency:	DHHS	Project Mgr:	DMD	Total:
				240,266
Project Group:	Mech/Elect/Struct/Civil/Roofing		Building Area:	0 gsf
Project Type:	Rehab		Months To Construction:	24
Project Site:	Local		Construction Annual Inflation Rate	3.00%
Location:	Las Vegas		Total Inflation:	6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	136,620	145,057
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	5,456	5,622
Electrical Plan Check	0	0
Civil Plan Check	1,824	1,879
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 Service	0	0
PWB Project Mgmt & Inspection	55,386	55,386
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Scoping existing sewer lines	24,000	25,482
Sub Total	223,286	233,427
Building 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
Other	0	0
Sub Total	0	0
Miscellaneous		
Advertising	1,064	1,130
Printing	5,320	5,649
Bond Sale Costs	57	61
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	6,441	6,839
Total Project Cost	229,727	240,266

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Sewer system upgrades (24 bldgs @ \$45,000/bldg.)	1,080,000

Proj. No.: P06 Planning for Sanitary Sewer Upgrades, SNCAS, SNAMHS, and DRC

Agency: Health and Human Services

Location: Las Vegas

Detail Description:

This project is to study, evaluate, and develop plans through construction documents to replace key components of the sewer lines at the Southern Nevada Child and Adolescent Services (SNCAS) main campus at West Charleston.

Project Justification:

The majority of existing sewer lines are cast iron type and very old - 15 plus years. Many of the lines have been examined and are found to be pitted, corroded and malformed. Due to these circumstances, they are very prone to blockage.

Due to the current condition of the sewer lines, they are very prone to blockage at an increasingly frequent rate. When blockages occur, raw sewage backs up into occupied buildings. There is typically a high cost associated with locating and correcting these line blockages, as well as a down time for affected buildings which displaces numerous State and County employees as well as the clients that we serve. In the event that a blockage occurs within the sewer lines, raw sewage may back up into occupied buildings. This creates an environment that affects the health and life safety of numerous State and County employees as well as the clients that we serve. Life safety and routine maintenance charges are driving the proposed completion date.

Background Information:

Southern Nevada Child and Adolescent Services (SNCAS) main campus at West Charleston was originally constructed in the 1970's. Sewer lines on campus were previously evaluated in concurrence with an ADA bathroom remodel construction project and found to be corroded. It was determined at that time that major replacements of existing sewer lines would need to occur before any new construction could take place.

Project No: P07
Title: Advanced Planning of a Northern Nevada State Veterans Home
Description: Design thru Bid Documents of a 96 bed Veterans Nursing Home

Funding Summary
State: 3,700,519
Agency:
Federal:
Other:
Total: 3,700,519

Department: VetSvc **Division:** VetSvc
Agency: VetSvc **Project Mgr:** RLC

Project Group: Offices or Dorms **Building Area:** 96,000 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Sparks **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	2,488,408	2,642,085
Surveys	10,000	10,304
Soils Analysis	10,000	10,304
Materials Testing Services	0	0
Structural Plan Check	9,033	9,308
Mechanical Plan Check	8,600	8,862
Electrical Plan Check	9,010	9,284
Civil Plan Check	8,183	8,432
ADA Plan Check	8,600	8,862
Fire Marshal Plan Check	45,250	69,939
Code Compliance Plan Check	55,242	56,922
Constructability Plan Check	0	0
CMAR Pre-Construction Service	160,396	170,302
PWB Project Mgmt & Inspection	368,100	368,100
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	3,180,822	3,372,703

Building Costs		
Construction	0	0
Construction Contingency	0	0
Green Building Equivalence	0	0
Utility/Off-Site Costs	0	0
Utility Connection Fees	300,000	318,527
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
Other	0	0
Sub Total	300,000	318,527

Miscellaneous		
Advertising	2,665	2,830
Printing	5,211	5,533
Bond Sale Costs	872	926
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	8,748	9,288

Total Project Cost 3,489,570 3,700,519

Remarks	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Housing Units: (72,000 sf @ \$233/sf)	16,776,000
2. Central Administration Building (19,500 sf @ \$255/sf)	4,972,500
3. Central Warehouse (4,500 sf @ 132/sf)	594,000
4. Site Development (10 acres @ \$7/sf)	3,234,896
5. Landscape (5.5 acres @ \$5/sf)	1,155,320
Total	26,732,716

Proj. No.: P07 Advanced Planning of a Northern Nevada State Veterans Home

Agency: Office of Veterans Services

Location: Sparks

Detail Description:

This project requests funding for the advanced planning through bid documents of a 96-bed Veteran's nursing facility. Using the "small house" model, the campus layout seeks to create a residential atmosphere. There will be (8) 12-bed clustered small houses at approximately 9,000 square feet. In addition to the small houses, the project would include facilities for administration offices, receiving / storage, nursing offices and other support operations to serve the campus. The facility would be located on the grounds of the Northern Nevada Adult Mental Health Services campus on Galletti Way in Sparks.

Project Justification:

There are currently over 80,000 veterans that could be served by a State Veterans Home in Sparks. This facility will provide much needed long-term nursing care for veterans and their spouses. This project will create a unique environment that does not exist at any facility in Nevada. This project will meet the current and future needs of Nevada's veterans and will be a model for veteran care nationwide.

Background Information:

In cooperation with the U.S. Dept. of Veteran Affairs (VA), the state veteran's home model has developed state veterans homes in every state. This has been successful in part due to a cost-sharing grant where 65% of eligible costs are paid by VA. The Nevada State Veterans Home - Boulder City was opened in 2001. The quality of care combined with the operational costs to Nevada has demonstrated this is a unique program to meet the needs of our aging veteran population. Due to past financial constraints, several attempts have failed in developing another state veteran's home. Approval of this project will help toward giving veterans in Northern Nevada the same opportunity as those in Southern Nevada. Funding for this project was requested in the 2009 and 2011 CIPs. Conceptual plans were developed in the 2011 CIP for this site.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: S01
Title: Statewide Roofing Program
Description: Re-roof various state owned buildings.

Funding Summary
State: 3,285,090
Agency:
Federal:
Other:
Total: 3,285,090

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MHF

Project Group: Storage or Warehousing **Building Area:** 0 **gsf**
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Statewide **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	137,930	146,448
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	13,178	13,992
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 Service	0	0
PWB Project Mgmt & Inspection	405,367	405,367
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	556,475	565,807
Building Costs		
Construction	2,156,196	2,287,508
Construction Contingency	323,429	343,126
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	85,000	85,000
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	2,564,625	2,715,634
Miscellaneous		
Advertising	443	470
Printing	2,213	2,350
Bond Sale Costs	781	829
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,437	3,649
Total Project Cost	3,124,537	3,285,090

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Priority One	
1. Caliente Youth Center, Phase 2 of 3 3367	413,999
2. Supreme Court Building, membrane only 3359	59,941
3. Kyle Canyon Fire Station, 3222	29,200
4. FMWCC, Phase 2 of 2, 3097	520,920
5. State Fire Marshal, Bldg. 107 Stewart Complex, 3361	354,812
6. Housing Unit 4, LLC, 3026	235,575
7. Housing Unit 7, NNCC, 3622	217,048
8. Lost City Museum & Storage Bldgs, 3143 & 3153	224,701
9. Emergency Repairs	100,000
Total	2,156,196
Priority Two (Not included in funding request.)	
10. Buildings 2 & 2A at NNAMHS, 3339	267,423
11. Buildings 7, 8, 9, 10, 16 at SNCAS, 3495	298,625
12. North & West Modular Offices, 3364 & 3434	20,588
13. Ft. Churchill, Ramada & Adobe Brick Storage, 3168	17,709
14. Wildlife, Rearing Station Building, 3344a	141,000
15. Forestry Office, Las Vegas, 3223	42,220
16. Veras Shop, Spring Mountain, 3174	18,866
17. 6 Buildings at SRC, Sparks, 3303	266,573
18. Grant Sawyer Building, 3354	682,500
19. Laxalt Building, 3429	234,000
20. Wildlife Raceway Building, 3344b	750,000
21. Bradley Building, 3355	206,625
22. Berlin Ichthyosaur Residence & Machine Shop, 3173	125,000
Total	3,071,129

Proj. No.: S01 Statewide Roofing Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project would provide for a weather proofing system on various state owned buildings throughout the state:

PRIORITY ONE:

1. Health and Human Services, Caliente Youth Center: Aurora, Beowawe, Currie, Hamilton, Jarbidge, Kimberly, Lincoln, Administration, And Evaluation/infirmary, old school, pool house.
2. Department of Administration, Supreme Court Building: the membrane is failing.
3. Conservation and Natural Resources, Forestry, Kyle Canyon Fire Station: the roofing system is failing.
4. Department of Corrections, FMWCC, Housing: the membrane is failing.
5. Department of Administration, State Fire Marshall.
6. Department of Corrections, Lovelock CC, Housing Unit 4: the building is having membrane problems.
7. Department of Corrections, NNCC, Housing Unit 7: the membrane is failing.
8. Department of Tourism, Museums and History, Overton Museum: the roofing system is failing.
9. Department of Administration, Emergency Roof Repairs, various state buildings.

PRIORITY TWO

10. Department of Health and Human Services, NNAHMS, Buildings 2 & 2A: the roofing system is failing.
11. Department of Health and Human Services, SNCAS, Buildings 7, 8, 9, 10, 16: the membrane is failing.
12. Department of Administration, North and West Modular Office: the shingles are cracked and curling.
13. Department of Conservation and Natural Resources, Ft. Churchill, Ramada & Adobe Brick Storage: the shingles are failing.
14. Department of Wildlife, Rearing Station Building: the roof is failing
15. Department of Conservation and Natural Resources, Forestry Main Office Building Las Vegas: shingles are cracked and curling.
16. Conservation and Natural Resources: shakes are curling and splitting.
17. Department of Health and Human Services, SCR, Buildings 602, 603, 604, 605, and 606: the shingles are cracked and curling.
18. Department of Administration, Grant Sawyer: the membrane is failing.
19. Department of Administration, Laxalt Building: rain gutter is failing.
20. Department of Wildlife, Raceway Building.
21. Department of Administration, Bradley Building: the roofing system is failing
22. Department of Conservation and Natural Resources, Berlin Residence and Machine Shop: vapor barrier and structural repairs are needed.

Project Justification:

The scope of these projects is to remove and replace the failed roofing system that has gone beyond its useful life. The new roofing will insure a water tight roofing system.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit 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.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: S01g
Title: Roof Replacement (CSMS-2 Floyd Edsall Training Center)
Description: This project would provide for a single ply roofing system
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** MHF

Funding Summary
State: 36,671
Agency: 0
Federal: 28,587
Other: 0
Total: 65,258

Project Group: Storage or Warehousing **Building Area:** 0 gsf
Project Type: Reroof **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Various **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	2,602	2,763
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 Service	0	0
PWB Project Mgmt & Inspection	7,122	7,122
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	9,724	9,885
Building Costs		
Construction	40,500	42,966
Construction Contingency	6,075	6,445
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	5,000	5,000
Local Government Requirements	0	0
Hazardous Material Abatement	0	0
Other	0	0
Sub Total	51,575	54,411
Miscellaneous		
Advertising	148	157
Printing	742	788
Bond Sale Costs	16	17
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	906	962
Total Project Cost	62,205	65,258

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another implementation, funds must be shifted from one category to another budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
PRIORITY ONE	
1. CSMS-2 Floyd Edsall Training Center	40,500

Proj. No.: S01g Roof Replacement (CSMS-2 Floyd Edsall Training Center)

Agency: State Public Works Division

Location: Various

Detail Description:

This project would provide for a weather tight roofing system for the office of the Military at the CSMS-2 Paint Room at Floyd Edsell Training Center.

This is a 50% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising, and printing.

Project Justification:

The scope of this project is to remove and replace the failed roofing system that has gone beyond its useful life. The new roofing system will insure a water tight roofing system.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit 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 (PMA).

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No:	S01h		Funding Summary		
Title:	Roof Replacement (Flamingo DMV and Inspection Station)		State:	0	
Description:	Replace 1000 sf of old membrane and install new PVC Membrane, remove 100 lineal feet of top brick and install new metal coping cap.		Agency:	693,548	
			Federal:	0	
Department:	Admin	Division:	SPWD	Other:	0
Agency:	SPWD	Project Mgr:	MHF	Total:	693,548

Project Group:	Offices or Dorms	Building Area:	0	gsf
Project Type:	Reroof	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	44,233	46,965
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 Service	0	0
PWB Project Mgmt & Inspection	40,073	40,073
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	84,306	87,038
Building Costs		
Construction	487,299	516,976
Construction Contingency	73,095	77,546
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
Other	0	0
Sub Total	570,394	604,522
Miscellaneous		
Advertising	285	303
Printing	1,424	1,512
Bond Sale Costs	164	174
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,873	1,989
Total Project Cost	656,573	693,548

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. DMV Building 3352	440,100
2. Inspection Station 3351	47,199
Total	<u>487,299</u>

Proj. No.: S01h Roof Replacement (Flamingo DMV and Inspection Station)

Agency: State Public Works Division

Location: Las Vegas

Detail Description:

This project would provide for a single ply roofing system on the Flamingo DMV and Inspection Station, located in Las Vegas.

Funding for this project is proposed to be 100% Highway Funds.

Project Justification:

The scope of these projects is to remove and replace the failed roofing system that has gone beyond its useful life. The new roofing will insure a water tight roofing system.

Background Information:

The State Public Works Division requires that all low sloped (membrane) roofs be covered under a No Dollar Limit 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.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: S02
Title: Statewide ADA Program
Description: Access under Title II of the Americans with Disabilities Act
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** SCB

Funding Summary
State: 2,074,900
Agency:
Federal:
Other:
Total: 2,074,900

Project Group: Armory, Military or Prisons **Building Area:** 0 gsf
Project Type: Remodel **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Statewide **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	187,507	199,087
Surveys	0	0
Soils Analysis	9,000	9,274
Materials Testing Services	14,000	14,865
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 Service	0	0
PWB Project Mgmt & Inspection	437,038	437,038
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Plan review required by Health	4,600	4,884
Sub Total	652,145	665,147
Building Costs		
Construction	1,102,980	1,170,151
Construction Contingency	165,447	175,523
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	45,000	47,779
Other	0	0
Sub Total	1,313,427	1,393,453
Miscellaneous		
Advertising	10,000	10,618
Printing	4,856	5,156
Bond Sale Costs	495	526
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	15,351	16,299
Total Project Cost	1,980,923	2,074,900

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. HHS, DRC Building 1391 [3248]	189,650
2. HHS, DRC Building 1303 [3228]	336,700
3. HHS NNAMHS 3&25 [3454]	47,500
4. RR Museum Carson City [3329]	122,400
5. NNCC Education [3665]	63,180
6. B & G Stewart Building #3 [3440]	79,500
7. CNR Las Vegas nursery sidewalk [3220]	35,750
8. MusHist Lost City accessibility [3140-3144]	53,400
9. B & G Nevada State Capital upgrades [3451]	29,900
10. B & G Belrose ADA parking [3169]	45,000
11. Emergency funding	100,000
Total	1,102,980
A & E Design fees 17% of construction costs	187,507
Priority 2 (Not included in funding request.)	
12. HHS DRC Building 1301 [3499].	198,300
13. Stewart sidewalk replacement [3347]	183,750
14. HHS CYC Multiple buildings [3430]	170,870
15. HHS, DRC [3243, 3244, 3245, 3503]	645,250
16. HHS, SRC [3305, 3309]	52,700
17. CNR, Parks [3438]	372,000
18. CNR, Join [3147]	2,700
19. CNR, Forestry [3322]	27,600
20. B & G [3366, 3443, 3445]	96,000

Proj. No.: S02 Statewide ADA Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

1. Desert Regional Center Building 1391: This project will retrofit the interior of the building to include the bathrooms, receptionist counter, break room casework, interior signage, widening three exit doors, miscellaneous door hardware and one new hi/low drinking fountain.
2. Desert Regional Center Building 1303: This project will retrofit the interior of the building to include bathrooms, kitchens, door hardware, thresholds, casework alterations and accessible appliances.
3. NNAMHS Buildings 3 (Lab/Pharmacy) and 25 Dini-Townsend): This project will provide ADA compliant restrooms, drinking fountains and power door operators
4. Carson City RR Museum: This project will remove and replace an existing ramp in the Interpretive Center, install ADA compliant walkways in the restoration shop and walkways that connect the Interpretive Center with Annex Addition.
5. NNCC Education: This project will upgrade the restroom, door hardware and surrounding sidewalks to provide ADA access for the education building.
6. Buildings and Grounds Stewart Building #3: This project will remodel the existing restrooms, install one new entry door, change door hardware, remove and replace exterior ramp and add new accessible parking.
7. Forestry Las Vegas Nursery: This project will remove and replace and add concrete sidewalks.
8. Museums and History Lost City: The project will install compliant drinking fountain, miscellaneous directional and informational signage and create an accessible route to the outdoor exhibits. This project will also remodel the existing staff and volunteer restroom.
9. Buildings and Grounds State Capital: This project will remodel 3 restrooms, add 2 accessible drinking fountains, install ADA signage and add one accessible counter in the main lobby.
10. Buildings and Grounds Belrose: This project will remove and replace non-compliant ADA parking and the accessible route to the building.
11. Emergency Funding: Emergency funds allow the Public Works to respond to Department of Justice demands and any public access complaints.

Project Justification:

The Statewide Americans with Disabilities Act program is prioritized to the following decision matrix: All Department of Justice directives are given highest priority. Then State Agencies are given the following priority order: Mental Health, Administration, Museums, Parks and Wildlife, Prison Access, 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 with the intent 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 States are required to provide program access. The State of Nevada has been pro-active in assessing and correcting access issues as required. Regarding our Corrections projects, the Department of Justice has informed us that Nevada is one of the most pro-active States in the Country.

Based on past experience with this program these types of small multi dimensional retrofit projects yield higher than average Architectural and Engineering fees.

Project No:	S02g		Funding Summary		
Title:	Sidewalk Replacement and Restroom Remodel (Plumb Lane Armory)		State:	55,852	
Description:	Replace perimeter sidewalk at Plumb Lane National Guard Includes work requested in 3394		Agency:	0	
			Federal:	114,854	
Department:	Military	Division:	NArmyNG	Other:	0
Agency:	NArmyNG	Project Mgr:	SCB	Total:	170,706

Project Group:	Armory, Military or Prisons	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Reno	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	15,064	15,994
Surveys	1,000	1,030
Soils Analysis	0	0
Materials Testing Services	1,210	1,285
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	601	619
ADA Plan Check	750	773
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	13,033	13,033
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	31,658	32,735

Building Costs		
Construction	110,512	117,242
Construction Contingency	16,577	17,587
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
Other	0	0
Sub Total	127,089	134,829

Miscellaneous		
Advertising	487	517
Printing	2,433	2,583
Bond Sale Costs	40	42
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	2,960	3,143

Total Project Cost **161,707** **170,706**

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Restroom Remodel	30,000
2. Remove and Replace 2525 sf of sidewalk	26,512
3. New ramps (2) @ 25,000 ea includes handrails	50,000
4. French Drains 2 @ 2,000 ea.	4,000
Total	110,512

Proj. No.: S02g Sidewalk Replacement and Restroom Remodel (Plumb Lane Armory)

Agency: Nevada Army National Guard

Location: Reno

Detail Description:

The Scope of this project is to remove and replace deteriorated sidewalks and the non-compliant ramp with new sidewalks and 2 new ADA compliant ramps. The project will also correct drainage issues around the building perimeter and remodel the restroom.

This is a 75% federal funded project. State funds are being requested to cover project management, inspection, plan checking, advertising and printing.

Project Justification:

The sidewalks and ramp at the facility are deteriorating creating a tripping hazard. The access to and from the building to the parking and the public way are non-compliant with the Americans with Disabilities Act. The planting area next to the building is trapping water and can be detrimental to the buildings foundation. The restroom and doors are not ADA compliant.

Background Information:

The Plumb Lane Readiness Center is located in Reno and was constructed in 1965. The Facility provides services to the Military, their families and is also a recruitment center for the Nevada National Guard.

Project No: S03
Title: Statewide Fire and Life Safety Program
Description: Installation of fire sprinklers, fire alarms, and exit lighting.

Funding Summary
State: 2,971,732
Agency:
Federal:
Other:
Total: 2,971,732

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** KRS

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Statewide **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	130,265	138,310
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	19,930	21,161
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	6,895	7,105
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 Service	0	0
PWB Project Mgmt & Inspection	410,046	410,046
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	567,136	576,621
Building Costs		
Construction	1,946,000	2,064,511
Construction Contingency	291,900	309,677
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
Other	0	0
Sub Total	2,237,900	2,374,188
Miscellaneous		
Advertising	13,000	13,803
Printing	6,000	6,371
Bond Sale Costs	706	750
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	19,706	20,923
Total Project Cost	2,824,742	2,971,732

Remarks	
REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
Priority 1	
1. Bradley fire alarms	115,000
2. Belrose fire alarms (3226)	100,000
3. Pioche fire alarms and sprinklers (3188)	325,000
4. Lovelock prison fire alarms (3033)	1,210,000
5. Carson Motor Pool fire backflow (3287)	10,000
6. SNAMHS Bldg 1 fire alarms (3195)	135,000
7. State lands Winnemucca JOIN fire alarm (3147)	51,000
Total	1,946,000
Priority 2 (Not included in funding request.)	
8. Reno NNCAS administration fire sprinklers (3075)	175,000
9. SNAMHS Bldg 6 fire alarm (3206)	27,000
10. SNCAS Bldg 8 & 15 fire sprinklers (3457)	241,000
11. Stewart Bldg 89 fire sprinklers (3257)	221,000
12. Stewart Gym fire alarms (3247)	121,000
13. Stewart Gym fire sprinklers (3253)	367,000
14. Blasdel Bldg fire sprinklers (3242)	369,000
15. Ely Conservation Camp fire sprinklers (3301)	272,000
Total	1,793,000

Proj. No.: S03 Statewide Fire and Life Safety Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

The scope of this project is to install fire and life safety systems in State owned buildings. The work includes installation of fire sprinklers, fire alarms, exit signs and egress lighting in existing buildings that were constructed prior to current fire and life safety codes.

Project Justification:

1. Bradley Building: The existing fire alarm system is the original system in the building (1975). The system consists of pull stations with horns limited to the building main hallways. The new system will have automatic smoke detection and horns & strobes throughout the building.
2. Belrose Building: This building is approximately 41,000 sf. Only 11,000 sf of the building has an updated fire alarm system. The remaining 30,000 sf fire alarm system consists of manual pull stations and horns only in the main hallways. The new system will have automatic smoke detection and horns & strobes throughout the building.
3. Pioche Conservation Camp and NDF fire alarms and sprinkler upgrades: This facility currently has fire sprinkler and alarm systems. The sprinkler system small diameter piping is failing due to corrosion and the fire alarm system is outdated with the factory no longer producing parts to maintain this system. These systems are to be replaced.
4. Lovelock Prison fire alarms: Lovelock Prison is approximately 20 years old. The fire alarm system is outdated with parts no longer being manufactured. This system is required to remain in service to operate the facility. The existing system is required to be replaced.
5. Carson Motor Pool backflow preventer: This building was constructed prior to the requirement that all fire sprinkler systems be equipped with a backflow preventer to prevent water in the fire sprinkler piping from draining back into the City's water supply piping system.
6. SNAMHS Building 1 – Administration: This building was constructed in 1954 with fire alarms being added in the mid 1970's. The existing fire alarm system consists of manual pull stations with horns limited to the main hallways. The new system will have automatic smoke detection and horns & strobes throughout the building.
7. Winnemucca JOIN: This building is approximately 7900 sf, and was constructed in the late 1960's. Currently has a high client base of adults and children and has no fire detection system.

Background Information:

SPWD has been using the 2007 procedures developed by the Fire Marshal Office, Risk Management, SPWD, and the state insurance company to upgrade existing structures with fire and life safety systems.

Project No: S03g
Title: Fire Sprinkler Installation (Carson City NNG Warehouses)
Description: Fire sprinklers installation in two warehouse storage buildings

Funding Summary
State: 196,200
Agency:
Federal:
Other:
Total: 196,200

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** KRS

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 5,000 gsf
Project Type: New **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Carson City **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	17,548	18,632
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	2,777	2,948
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	1,524	1,570
Civil Plan Check	628	647
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 Service	0	0
PWB Project Mgmt & Inspection	15,923	15,923
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	38,400	39,721

Building Costs		
Construction	127,000	134,734
Construction Contingency	19,050	20,210
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
Other	0	0
Sub Total	146,050	154,944

Miscellaneous		
Advertising	900	956
Printing	500	531
Bond Sale Costs	46	49
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	1,446	1,535

Total Project Cost **185,896** **196,200**

REMARKS	
All line item costs are estimated with the best information available in 2012. It is expected that the actual costs incurred in the 2013 to 2015 time frame will be somewhat different than the 2012 estimate. Thus, during project implementation, funds must be shifted from one category to another within the project budget by the SPWB staff. However, the total project budget cannot be exceeded unless additional funds are provided.	
Construction Cost Detail:	
1. Bldg 1 sprinklers w/ high bay 2,000 sf @ \$12 sf	24,000
2. Bldg 2 sprinklers w/ high bay 3,000 sf @ \$12 sf	36,000
3. Bldg 1 riser room construction w/electrical heat	6,500
4. Bldg 2 riser room construction w/electrical heat	6,500
5. Underground water supply to buildings 400 lf	28,000
6. Asphalt repairs	6,000
7. Fire Alarms 5,000 sq ft @ \$4 sf	20,000
Total	127,000

Proj. No.: S03g Fire Sprinkler Installation (Carson City NNG Warehouses)

Agency: State Public Works Division

Location: Carson City

Detail Description:

The scope of the work is to install fire sprinklers in two metal warehouse storage buildings constructed on the Carson City NNG facility. The buildings are unheated facilities that currently have high bay rack storage.

The buildings are not designed to be heated therefore the fire sprinkler systems are required to be a dry system or antifreeze system. The buildings will have to be equipped with multilayered high bay fire sprinkler heads throughout the high bay storage area.

Federal Funds are not available for this project.

Project Justification:

The buildings are currently being used as storage facilities and are required to have fire sprinklers under NAC 477 (fire marshal codes) due to the high volume of flammable materials that could be stored in the buildings over the buildings life expectancy.

Background Information:

This is the first request for this project.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: S04
Title: Statewide Advance Planning Program
Description: Necessary Studies to Formulate Future CIPs
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** WDP

Funding Summary
State: 736,390
Agency:
Federal:
Other:
Total: 736,390

Project Group: Storage or Warehousing **Building Area:** 0 gsf
Project Type: New **Months To Construction:** 15
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Statewide **Total Inflation:** 3.76%

	2012	2014
Professional Services		
A/E Design & Supervision	80,000	83,053
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 Service	0	0
PWB Project Mgmt & Inspection	648,916	648,916
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	728,916	731,969
Building 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
Other	0	0
Sub Total	0	0
Miscellaneous		
Advertising	1,500	1,557
Printing	2,582	2,681
Bond Sale Costs	176	183
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,258	4,420
Total Project Cost	733,174	736,390

Remarks	
REMARKS	
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Construction Cost Detail:	
AE Fee Calculation:	
1. Contract Formulation of Future CIPs	50,000
2. Lost City Museum - Exterior Evaluation [3342]	30,000
	80,000
SPWD Formulation of Future CIP:	648,916
Total	648,916
Typical O&M (\$/sf/year today) = 8.01 Estimated Inflation (%/year) = 2.70 Project Area (sf) = 0 Life Cycle (years) = 30 Operation & Maintenance Cost = 0 Construction Cost = 735,359 Total Life Cycle Cost = 735,359	

Proj. No.: S04 Statewide Advance Planning Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

Advance Planning provides funding for specific studies; greatly facilitates the orderly programming, scheduling, and funding of construction projects over two or more biennium; 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 Improvements Program.

SPWB formulation of future CIP is the in-house effort to define and estimate projects for the 2015 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. Based on this accounting need it was determined that this funding would be requested in this project.

Project Justification:

Developing systematic methods to decision making will lead to decisions made in the State's best interest. The feasibility studies are justified by the continuing and increasing need for maintenance dollars, the age of these facilities coupled with the facility's layouts and infrastructure becoming less and less efficient with the change in technology and "new government".

Background Information:

Project No:	S05		Funding Summary		
Title:	Statewide Paving Program		State:	685,140	
Description:	Pavement rehabilitation measures, remove & replace asphalt routing & crackfilling, slurry seal & seal coat		Agency:	0	
			Federal:	0	
Department:	Admin	Division:	SPWD	Other:	0
Agency:	SPWD	Project Mgr:	DMD	Total:	685,140

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Rehab	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Statewide	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	59,788	63,480
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	4,875	5,176
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	0	0
Civil Plan Check	1,175	1,211
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 Service	0	0
PWB Project Mgmt & Inspection	55,303	55,303
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	121,141	125,170
Building Costs		
Construction	454,711	482,403
Construction Contingency	68,207	72,361
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
Other	0	0
Sub Total	522,918	554,764
Miscellaneous		
Advertising	790	839
Printing	3,951	4,195
Bond Sale Costs	162	172
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,903	5,206
Total Project Cost	648,962	685,140

Remarks	
REMARKS	
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Priority 1 (Recommended for Funding)	
1. Admin B&G Bryan Bldg. 3234 (Slurry)	38,700
2. Admin B&G Office Las Vegas 3236 (Slurry)	33,300
3. Cultural Affairs Lost City Museum 3139 (Slurry)	32,040
4. NDOC NNCC Carson 3086 (ADA & Replace)	102,825
5. NDOC LCC Lovelock 3035 (Slurry)	94,096
6. NDOW Reno 3276 (New & Replace)	153,750
Total	454,711
Priority 2 (Not included in funding request.)	
7. Admin - B & G - Bradley Bldg. Las Vegas 3232	544,000
8. Admin - B & G - Stewart Complex - Carson 3235	75,000
9. Admin - B & G - Capitol Complex - Carson - 3316	155,000
10. Admin - B & G - State Purchasing - Reno 3237	232,000
11. CNR - Forestry - N. Las Vegas 3221	198,670
12. CNR - Parks - Cathedral Gorge - Pioche 3346	879,620
13. Cultural Affairs - RR/Fire Access Rd - Carson 3341	142,625
14. Cultural Affairs - RR Museum Boulder City 3129	372,000
15. DHHS - NNAMHS - Sparks 3327	662,500
16. DHHS - SNAMHS - DRC -Las Vegas 3505	83,658
17. DHHS - CYC Caliente 3357	109,618
18. Forestry - Ely North Office 3219	747,000
19. Forestry - Elko 3218	35,000
20. Forestry/Corrections - ECC - Ely 3063 & 3319	108,960
21. Forestry/Corrections -PCC - Pioche 3057	628,446
22. Forestry/Corrections - WCC - Wells 3060 & 3203	717,020
23. Military - NVARNG - Fallon 3390 - 50%/50%	25,127
24. Military - NVARNG - North Las Vegas 3414 -50%/50%	299,636
25. Military - NVARNG - Carlin 3370 - 50%/50%	337,611
26. NDOC - SDCC - Indian Springs 3121	361,000
27. NDOC - TCC - Tonopah 3315	374,175
28. NDOC - ESP - Ely 3047	75,000
29. NDOC - W SCC - Carson City 3079	247,516
30. NDOC - HDSP - Indian Springs 3074	212,520
31. Admin - B & G - NHP HQ - Reno 3239	18,000
Total	7,641,702

Proj. No.: S05 Statewide Paving Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

Statewide slurry seal, overlay and new paving.

Project Justification:

The scope of these projects is to remove and replace deteriorated asphalt that has gone beyond its useful life. Crack seal and slurry seal of existing pavement to extend its life and to optimize life cycle costs and extend longevity is also in this project. These projects also make paving improvements to bring facilities up to ADA requirements and to comply with current codes.

Background Information:

The goal of this program is to bring the asphalt parking areas and access roads to an adequate service level so it will become more economical to do cyclical maintenance rather than replace the paving prematurely. This program has consistently been upgrading deteriorated parking lots and access roads and intends to keep the areas from deteriorating to a point where it would be necessary to replace the paving prematurely.

Project No:	S05h			Funding Summary	
Title:	Parking Lot Expansion & Preventative Maintenance (Flamingo DMV)			State:	0
Description:	Provide additional 100 parking spaces & preventative maintenance of existing pavement. Includes 3240			Agency:	977,316
				Federal:	0
Department:	Admin	Division:	SPWD	Other:	0
Agency:	B&G	Project Mgr:	CSB	Total:	977,316

Project Group:	Mech/Elect/Struct/Civil/Roofing	Building Area:	0	gsf
Project Type:	Addition	Months To Construction:	24	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Las Vegas	Total Inflation:	6.09%	

	2012	2014
Professional Services		
A/E Design & Supervision	59,000	62,644
Surveys	12,000	12,365
Soils Analysis	8,500	8,759
Materials Testing Services	9,961	10,576
Structural Plan Check	0	0
Mechanical Plan Check	0	0
Electrical Plan Check	4,677	4,819
Civil Plan Check	1,436	1,480
ADA Plan Check	2,008	2,069
Fire Marshal Plan Check	0	0
Code Compliance Plan Check	0	0
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	52,033	52,033
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	149,615	154,744
Building Costs		
Construction	669,250	710,007
Construction Contingency	100,388	106,502
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
Other	0	0
Sub Total	769,638	816,509
Miscellaneous		
Advertising	913	969
Printing	4,566	4,848
Bond Sale Costs	231	245
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	5,710	6,063
Total Project Cost	924,963	977,316

Remarks	
REMARKS	
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Construction Cost Detail:	
Parking Lot Expansion - 100 Spaces	
1. Clearing and grubbing	5,000
2. Landscape modifications	36,000
3. Import earthwork and grading (12,000 cy @ \$20/cy)	240,000
4. Asphalt paving (50,000 sf @ \$2.60/sf)	130,000
5. Landscaping and signage	45,000
6. Electrical and site lighting (10 lights @ 3,600 ea)	36,000
Preventative Maintenance of Existing Pavement - 220,000 sf	
1. Crack fill @ \$0.2/sf	44,000
2. Slurry seal @ \$0.5/sf	110,000
3. Striping	9,500
Remove and Replacement of Concrete Sidewalks - 500 sf	
1. Demolition	5,000
2. Grade, fine grade, type II aggregate base @ \$2/sf	1,000
3. 5" Thick, concrete sidewalk @ \$5.50/sf	2,750
4. Striping, signage and handrails	5,000
Total	669,250

Proj. No.: S05h Parking Lot Expansion & Preventative Maintenance (Flamingo DMV)

Agency: Buildings & Grounds

Location: Las Vegas

Detail Description:

This project requests the necessary funding for design and construction for a parking lot expansion at the Flamingo DMV office. Approximately one hundred additional parking spaces will be added to the existing employee parking lot on the east side of the existing building. Portions of existing landscaping may have to be modified to allow construction of all or a portion of these spaces.

In addition this project would provide crack fill, apply slurry seal to all existing pavement of approximately 220,000 sf to extend the life of the asphalt. Re-stripe the parking lot including the access roads, parking areas, driving test areas, loading zones and ADA parking spaces for proper compliance. A new parking layout for a compliant loading zone, removal and replacement of the damaged, heaved existing concrete sidewalks, signage and hand rails on the east side of the DMV building between the loading zone and the ADA ramp will also be addressed under this preventative maintenance work.

This project is planned be funded with 100% highway funds.

Project Justification:

The Flamingo DMV office currently serves an average of 1,256 customers on daily basis with only 208 customer parking spots. Due to this deficiency in parking spaces, customers are parking in fire lanes, undeveloped areas and in neighboring business parking areas. Customers walking long distances to access the DMV facility is creating a safety hazard and inconvenience. These factors have contributed to an increased need of additional parking.

The existing asphalt is approaching the cyclical time frame for routine maintenance. Without proper preventative maintenance, deterioration will accelerate and premature failure is possible.

Background Information:

This is the first CIP request for this work.

Project No: S06
Title: Statewide Indoor Air Quality Program
Description: Asbestos, Lead Paint, Indoor Quality Investigations
Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** KRS

Funding Summary
State: 250,631
Agency: 100,000
Federal: 0
Other: 0
Total: 350,631

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 gsf
Project Type: Rehab **Months To Construction:** 0
Project Site: Local **Construction Annual Inflation Rate:** 3.00%
Location: Statewide **Total Inflation:** 0.00%

	2012	2014
Professional Services		
A/E Design & Supervision	42,448	42,448
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 Service	0	0
PWB Project Mgmt & Inspection	36,479	36,479
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	78,927	78,927
Building Costs		
Construction	233,000	233,000
Construction Contingency	34,950	34,950
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
Other	0	0
Sub Total	267,950	267,950
Miscellaneous		
Advertising	626	626
Printing	3,017	3,017
Bond Sale Costs	111	111
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	3,754	3,754
Total Project Cost	350,631	350,631

Remarks	
REMARKS	
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Construction Cost Detail:	
Priority 1	
1. Wildlife Steptoe residence asbestos abatement 3277	83,000
2. Asbestos, mold, lead paint testing and surveys	50,000
3. Risk Management indoor air quality surveys	100,000
Total	233,000
Priority 2 (Not Included in funding request.)	
4. Wildlife Reno office asbestos flooring removal 3277	132,500
5. Wildlife Las Vegas office asbestos flooring removal 3277	102,000
6. Lost City Museum asbestos flooring removal 3145	223,200
Total	457,700

Proj. No.: S06 Statewide Indoor Air Quality Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

The scope of these projects addresses environmental issues at State-owned and leased buildings. The primary environmental issues are asbestos, indoor air quality (IAQ), lead paint, and mold. US Environmental Protection Agency (EPA) and Occupational Safety & Health Administration (OSHA) require a building owner to address all known or suspected health concerns in buildings. This CIP provides funding to address issues as they develop and allows a cost effective method to operate the number of buildings and diverse operations throughout the State.

The Division of Risk Management has committed \$100,000 for this project.

Project Justification:

This project is required to meet regulatory and health & safety issues that periodically arise due to various operations of facilities throughout the State. It is necessary to maintain adequate funding to address unforeseen problems.

Background Information:

This method to address unforeseen environmental and indoor air quality issues as they arise has been in place for approximately 20 years. Risk Management assist with funding these projects for State owned and leased buildings to address indoor air quality issues that arise due to routine day to day operations.

State Public Works Division

Project Cost Estimate

Governor's Recommendation

Project No: S08
Title: Statewide Energy Efficiency Program
Description: Energy Retrofit and Renewable Energy Projects

Funding Summary
State: 2,006,013
Agency:
Federal:
Other:
Total: 2,006,013

Department: Admin **Division:** SPWD
Agency: SPWD **Project Mgr:** WDP

Project Group: Mech/Elect/Struct/Civil/Roofing **Building Area:** 0 **gsf**
Project Type: Rehab **Months To Construction:** 24
Project Site: Local **Construction Annual Inflation Rate** 3.00%
Location: Statewide **Total Inflation:** 6.09%

	2012	2014
Professional Services		
A/E Design & Supervision	129,757	137,770
Surveys	12,000	12,365
Soils Analysis	12,000	12,365
Materials Testing Services	0	0
Structural Plan Check	0	0
Mechanical Plan Check	30,400	31,325
Electrical Plan Check	15,400	15,868
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 Service	0	0
PWB Project Mgmt & Inspection	141,422	141,422
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	340,979	351,115
Building Costs		
Construction	1,350,000	1,432,215
Construction Contingency	202,500	214,832
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
Other	0	0
Sub Total	1,552,500	1,647,047
Miscellaneous		
Advertising	1,153	1,224
Printing	5,766	6,122
Bond Sale Costs	475	504
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	7,394	7,851
Total Project Cost	1,900,873	2,006,013

Remarks		
REMARKS		
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Construction Cost Detail:		
	Annual	Savings
Priority 1		
1. Lighting	21,429	100,000
2. Solar PV Projects with Rebates	60,000	300,000
3. Variable Frequency Drives	28,125	150,000
4. Transformer Upgrades	12,500	100,000
5. Temperature Controls	10,417	125,000
6. Boiler Replacement	16,875	225,000
7. Solar PV Projects without Rebates	20,000	350,000
	Total 169,345	1,350,000

Proj. No.: S08 Statewide Energy Efficiency Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

This project will perform energy retrofit and renewable energy projects. Lighting retrofits will be completed in various areas of the State. Solar Photovoltaic projects will be completed. Variable Frequency Drives will be installed on motors. Temperature controls will be upgraded and boilers will be replaced. As the ARRA projects were completed using the SB152 energy retrofit project list, this project will utilize the same list of projects to improve the energy efficiency of State owned buildings.

Project Justification:

Lighting projects have been designed as part of the ARRA program and are much needed to replace 20 year old inefficient lighting technologies. Variable Frequency drives soften the start of motors and decrease the speed of motors to better control the equipment and decrease energy usage. Applying soft start technology to motors not only decreases energy consumption but drastically decreases operations and maintenance costs of replacing belts, motors, bearings and the like. NV Energy has Solar photovoltaic rebate programs with incentives that may be approximately 65% of the project costs. Temperature controls will improve the energy management systems at this location. Boilers will improve the reliability of heating and save energy.

This program assists the State Office of Energy in meeting state building energy savings goal of twenty percent by year 2015.

The estimated payback for all of these projects is less than twelve years. The expected service life of the equipment being proposed for replacement is a minimum of 20 years.

Background Information:

The design is ready for certain proposed lighting work. Solar photovoltaic project contract documents have been completed for other locations by the SPWD and will take only minor revisions to update. Transformer and VFD locations will be decided based on age, condition and return on investment criteria.

The SPWD will continue to apply for rebates.

Project No:	S09		Funding Summary		
Title:	Statewide Building Official Program		State:	0	
Description:	Continue to allow the SPWB to accept fees for non CIP projects and pay for plan review and inspection services on those projects.		Agency:	924,114	
			Federal:	0	
Department:	Admin	Division:	SPWD	Other:	0
Agency:	SPWD	Project Mgr:	WDP	Total:	924,114

Project Group:	Offices or Dorms	Building Area:	40,000	gsf
Project Type:	New	Months To Construction:	15	
Project Site:	Local	Construction Annual Inflation Rate	3.00%	
Location:	Statewide	Total Inflation:	3.76%	

	2012	2014
Professional Services		
A/E Design & Supervision	0	0
Surveys	0	0
Soils Analysis	0	0
Materials Testing Services	0	0
Structural Plan Check	46,862	47,748
Mechanical Plan Check	53,217	54,223
Electrical Plan Check	32,046	32,652
Civil Plan Check	46,012	46,882
ADA Plan Check	21,955	22,370
Fire Marshal Plan Check	294,920	450,742
Code Compliance Plan Check	259,912	264,825
Constructability Plan Check	0	0
CMAR Pre-Construction Service	0	0
PWB Project Mgmt & Inspection	0	0
3rd Party Commissioning	0	0
FF&E Design Fee	0	0
Other	0	0
Sub Total	754,924	919,442
Building 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
Other	0	0
Sub Total	0	0
Miscellaneous		
Advertising	1,500	1,557
Printing	3,000	3,114
Bond Sale Costs	0	0
Agency Moving Costs	0	0
Land Purchase	0	0
Purchasing Assessment	0	0
Sub Total	4,500	4,672
Total Project Cost	759,424	924,114

Remarks	
REMARKS	
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Construction Cost Detail:	
Total Permit Costs for FY 11 and FY 12	924,113

Proj. No.: S09 Statewide Building Official Program

Agency: State Public Works Division

Location: Statewide

Detail Description:

NRS 341 requires the State Public Works Division to act as 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 them for plan review and inspection services on those non CIP projects. Each separate project will be accounted for in a separate category in the controller's accounting system.

Funded 100% from agency funding.

Project Justification:

This project will provide the necessary means to efficiently administer building official projects.

Background Information:

The SPWD has tracked these projects in an offline database and has paid plan check fees for these projects out of budget account 1562. This system is cumbersome, inefficient and mistake prone.