

B: STATE AGENCIES: CAPITAL RENEWAL PROJECT REQUEST LIST AND DESCRIPTIONS

On the following page(s) is a list of recommendations for Capital Renewal (CR) project requests for the current fiscal year based on the Office of the State Architect’s (OSA) annual review process. Capital Renewal is a maintenance driven need, greater than two million dollars per phase as defined by Section 24-30-1301(3) C.R.S., that is more cost effective or better addressed by corrective repairs or replacement rather than a limited repair. The projects are listed by reference number, level, project title, and dollar amount. The OSA process includes an annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each project request. This list of state agency funding recommendations has been sent to the Governor’s Office of State Planning and Budgeting as required by Section 24-30-1303 (1) (t) (l) C.R.S.

Following the list of recommendations are the individual project descriptions for the recommended projects. The descriptions provide a brief scope narrative of each recommended capital renewal project request and the corresponding name of the state department, the building or site, funding history and current funding request. The reference number (**Ref. No.**) at the top left corner of each description page corresponds to the reference number listed for each project request in the list of recommendations.

The Office of the State Architect prepares the list based on criteria developed in coordination with the Department of Higher Education and the Governor’s Office of State Planning and Budgeting. Emphasis was placed on the following criteria: was the project request mandated by law, life safety/loss of use concerns, availability of matching funds other than state general funds, is the project request multi-phased and previously partially funded, life cycle cost comparisons to buy/build/lease scenarios, space needs analysis, re-use of existing facilities, incorporation of deferred maintenance, sustainability and justification based on previous facilities five-year maintenance plans.

The table below lists the Capital Renewal recommended projects.

Ref. No.	Agency Project Title, Phase	Project P#	Prior Funding	Current – Year Project Request	Out – Year Project Balance	Total Project Cost
1CR	Department of Corrections Arkansas Valley Correctional Facility (AVCF) Electronic Security System Replacement, Ph 1 of 1		\$0	\$23,549,071	\$0	\$23,549,071
2CR	Department of Corrections Buena Vista Correctional Facility (BVCF) Critical Security Improvements – Lower North Cellhouse, Ph 1 of 1		\$0	\$5,894,431	\$0	\$5,894,431
3CR	Department of Corrections Buena Vista Correctional Facility (BVCF) Vocational Roof Replacement, Ph 1 of 1		\$0	\$2,866,204	\$0	\$2,866,204
4CR	Department of Corrections Colorado State Penitentiary (CSP) Electronic Security System Replacement, Ph 1 of 1		\$0	\$8,377,679	\$0	\$8,377,679
5CR	Department of Corrections Delta Correctional Center (DCC) Generator and Controls Replacement, Ph 1 of 1		\$0	\$2,592,205	\$0	\$2,592,205
6CR	Department of Corrections Denver Reception and Diagnostic Center (DRDC) Electronic Security System Replacement, Ph 1 of 1		\$0	\$2,180,248	\$0	\$2,180,248
7CR	Department of Corrections Denver Women’s Correctional Facility (DWCF) Support Building Roof Replacement, Ph 1 of 1		\$0	\$3,710,858	\$0	\$3,710,858

OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION
FY2024/2025 ANNUAL REPORT, SECTION II – B: STATE AGENCIES
CAPITAL RENEWAL PROJECT REQUEST LIST AND DESCRIPTIONS

December 2023

Ref. No.	Agency Project Title, Phase	Project P#	Total Prior Funding	Current - Year Project Request	Out - Year Project Balance	Total Project Costs
8CR	Department of Corrections East Canon City Prison Complex (ECCPC) Electrical Distribution Infrastructure Replacement, Ph 1 of 1		\$0	\$25,735,556	\$0	\$25,735,556
9CR	Department of Corrections Fremont Correctional Facility (FCF) ADA Improvements, Ph 1 of 1		\$0	\$16,244,464	\$0	\$16,244,464
10CR	Department of Corrections Fremont Correctional Facility (FCF) Electrical Distribution Infrastructure Replacement, Ph 1 of 1		\$0	\$35,606,931	\$0	\$35,606,931
11CR	Department of Corrections Fremont Correctional Facility (FCF) Fire Alarm Upgrades, Ph 1 of 1		\$0	\$13,612,632	\$0	\$13,612,632
12CR	Department of Corrections Limon Correctional Facility (LCF) Support Building Roof Replacement, Ph 1 of 1		\$0	\$4,493,603	\$0	\$4,493,603
13CR	Department of Corrections Sterling Access Controls Electronic Security System Replacement, Ph 2 of 2	2024-013P23	\$9,396,262	\$40,029,390	\$0	\$49,425,652
14CR	Department of Corrections Sterling Correctional Facility (SCF) Steam Condensate Line Replacement, Ph 2 of 2	2020-009P21	\$8,487,496	\$16,367,035	\$0	\$24,854,531
15CR	Department of Corrections Trinidad Correctional Facility (TCF) Waste Water Treatment Facility Improvements, Ph 1 of 1		\$0	\$23,080,112	\$0	\$23,080,112
16CR	Department of Human Services Campus Infrastructure Replacement at CALM and CAMV, Ph 1 of 3		\$0	\$2,389,398	\$28,548,311	\$30,937,709
17CR	Department of Local Affairs – Ft Lyon Decentralize Fort Lyon Building Heating, Ph 1 of 1		\$0	\$13,494,113	\$0	\$13,494,113
18CR	Department of Personnel and Administration – 1881 Pierce Parking Lot Replacement – 1881 Pierce St, Ph 1 of 1		\$0	\$4,048,195	\$0	\$4,048,195
19CR	Department of Personnel and Administration – Division of Capital Assets Kipling Campus Chiller Replacement, Ph 1 of 1		\$0	\$3,717,529	\$0	\$3,717,529
CAPITAL RENEWAL RECOMMENDED TOTALS			\$17,883,758	\$247,989,654	\$28,548,311	\$294,421,723

Ref. No

Funding Recommendation

1CR Department of Corrections

Arkansas Valley Correctional Facility (AVCF) Electronic Security System Replacement, Ph 1 of 1

\$23,549,071

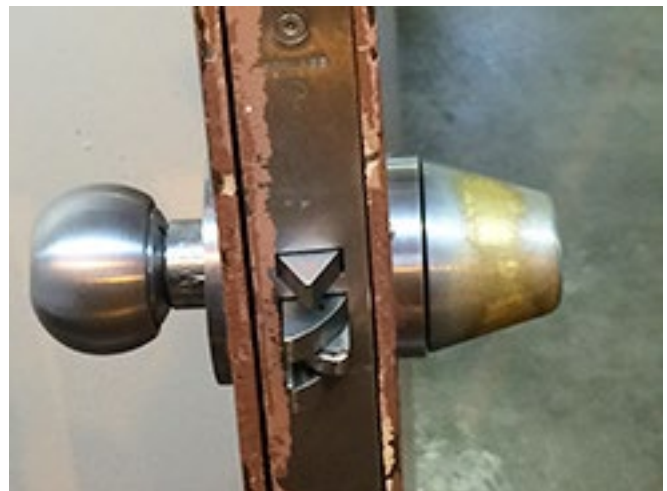
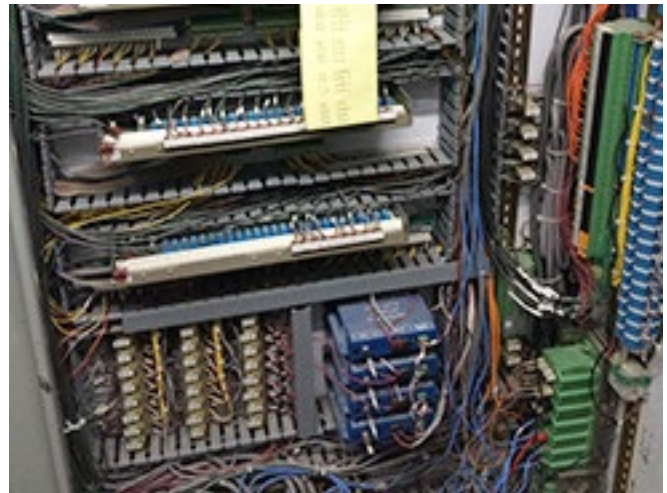
PROJECT DESCRIPTION / SCOPE OF WORK:

The Arkansas Valley Correction Facility (AVCF), located in Ordway, Crowley County, Colorado, is a secure Level III facility with a capacity of 1,105 male offenders within six cell houses. AVCF is comprised of 18 buildings totaling 373,416 square feet sitting on 460 acres. This facility opened in 1987 and currently houses mixed-level custody (close and below) male offenders. The facility operates over 40 clinical, educational and Colorado Correctional Industries (CCi) programs with an additional 22 Faith and Citizens programs. The Department risks loss of use of this facility due to failing security systems. Faults, failures, and outages in these systems create significant security and life safety risks for offenders, staff, and the public. The Department is unable to move all of these offenders to another facility.

This single phase project will replace the original electronic security system and update the door control and intercom systems to meet the current DOC standards. This project will continue the standardization of DOC electronic security systems that have already been installed at three department facilities.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$23,549,071	All Phases: Project Total:	\$23,549,071



Ref. No

Funding Recommendation

2CR Department of Corrections

Buena Vista Correctional Facility (BVCF) Critical Security Improvements - Lower North Cellhouse, Ph 1 of 1 \$5,894,431

PROJECT DESCRIPTION / SCOPE OF WORK:

The Buena Vista Correctional Complex (BVCC) houses offenders with security levels ranging from III-IV. The BVCC's Close Custody Living Unit (COBV9999) was constructed in 1963 and remains one of the two most secure housing units in the complex. The cell fronts and doors throughout this facility feature an open bar design that poses a significant threat to other offenders and staff. The current open bar design perpetuates security risks such as offender fights, weapons, drugs, riots, and staff assaults. Containing security incidents becomes increasingly difficult due to the staff's inability to neutralize a single cell. Additionally, the existing open bar fronts may contain lead-based paint that will be abated by removing the doors and disposing them through an abatement contractor as required by state and federal regulations.

This request was previously submitted as a multi-phase Controlled Maintenance project with two phases already completed. The final two phases have been grouped into a single Capital Renewal project and will convert the last 36 open cell fronts to solid front metal doors. Each door will have a vision panel and meal tray/cuffing slot. The new doors will slide open and will be operated using a pneumatic lock system.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$5,894,431	All Phases: Project Total:	\$5,894,431



Ref. No

Funding Recommendation

3CR Department of Corrections

Buena Vista Correctional Facility (BVCF) Vocational Roof Replacement, Ph 1 of 1

\$2,866,204

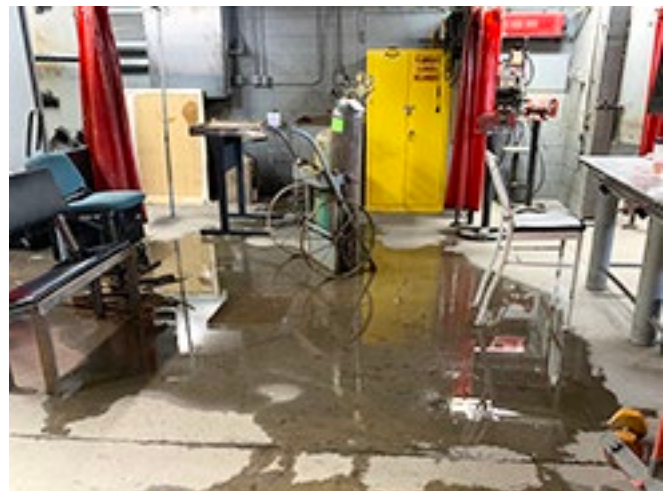
PROJECT DESCRIPTION / SCOPE OF WORK:

The roofing system of the Vocational Building (CCBV2989) at the Buena Vista Correctional Center (BVCC) was constructed in 1959 and has reached the end of its functional life. More specifically, the roof and its insulation have been severely damaged by ongoing wetness. An assessment of the existing roof found that the excessive deterioration can only be resolved by replacing the entire roofing system. Repairing the system is no longer cost-effective and the persistent leaks damage the building's interior and equipment; therefore disrupting daily operations. Continuing deterioration could force the building out of service; halting vocational programs essential for the rehabilitation and skill development of the offenders. A future request for this building is to add additional ventilation to meet air quality requirements.

The solution proposed is a full roof replacement for BVCC's Vocational Building. This project involves stripping the old styrene-butadiene-styrene (SBS) modified bitumen, removing the compromised insulation, and installing a new, code-compliant insulated roof. An evaluation and the necessary design documents from February 2023 set the stage for a seamless code review, procurement, and construction process to revitalize the building's roof and preserve its functionality for the future.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
Funded To Date:	\$0	Project Balance:	\$0
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$2,866,204	Project Total:	\$2,866,204



Ref. No

Funding Recommendation

4CR Department of Corrections

Colorado State Penitentiary (CSP) Electronic Security System Replacement, Ph 1 of 1

\$8,377,679

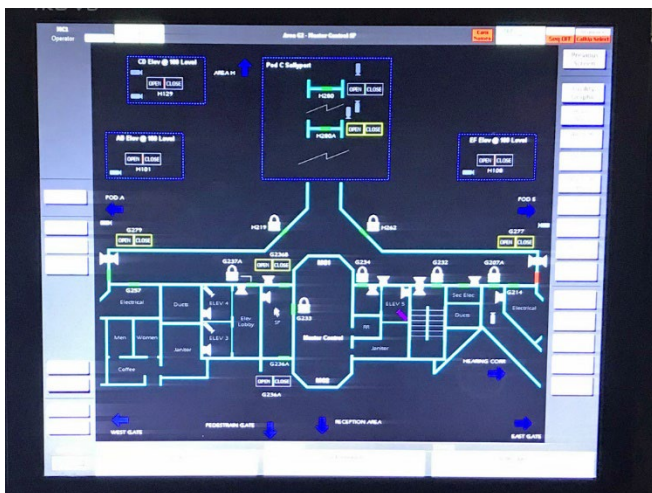
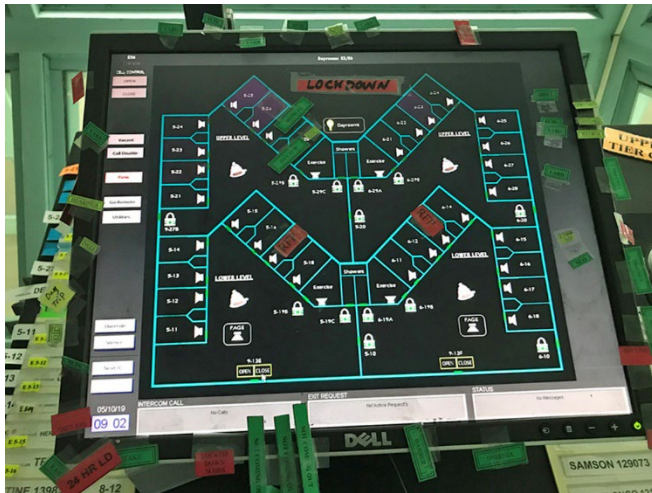
PROJECT DESCRIPTION / SCOPE OF WORK:

This capital renewal project request is to upgrade the Colorado State Penitentiary (CSP) Electronic Security Control System (ESCS) that supports the door control, intercom, and video call-up functions. Operational function and maintenance of these systems are becoming more and more challenging. A majority of the replacement parts for these systems are no longer available. The original "Man Down" system is now an outdated, stand-alone system. With the change of facility mission from Administrative-Segregation to more open inmate movement and increased rehabilitation efforts through programs and education, there has been a significant increase in direct inmate and staff contact. The systems reviewed and assessed in the Maximum Security Engineering report are all critical security and life safety systems. The ESCS is used to protect and safe guard staff, public, and inmates. These systems control and restrict movement, monitor and maintain secure conditions, observe and prevent incidents, and provide communication throughout the facility supporting mission critical tasks.

This project would update the security workstations, software, central processing units, monitors, networking system, power supply systems, cabinets, and intercoms. The "Man Down" system will be repaired and upgraded as part of this project. The current system is an isolated internal system that is not connected to the internet, and it is planned the new system will remain the same. This keeps the system unavailable to outside hackers and cyber criminals.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$8,377,679	All Phases: Project Total:	\$8,377,679



Ref. No

Funding Recommendation

5CR Department of Corrections

Delta Correctional Center (DCC) Generator and Controls Replacement, Ph 1 of 1

\$2,592,205

PROJECT DESCRIPTION / SCOPE OF WORK:

This request is for the replacement of the Delta Correctional Center (DCC) generator and its control system. The DCC is a security Level I facility with a 500 bed capacity across 35 buildings, which are supplied power by a generator system that cannot support the entire facility. The current generator is reaching the end of its functional life and, as a result, experiences frequent failures that disrupt power supply to buildings that maintain life-sustaining and mission critical services. Power outages create a 15-minute window of reduced electrical power that impacts education classrooms, case management, therapeutic residential treatment, legal libraries, meals, and other critical offender services; overall causing serious life safety concerns for staff and offenders. Additionally, these power outages negatively impact facility staffing by requiring additional posts for manual security checks.

This project will replace the current generator with a model that can fully support the entire facility. It will ensure that all buildings receiving power from the generator are code compliant and replace the Automatic Transfer Switch to ensure power supply is uninterrupted when replacement parts are needed, which have become scarce due to the system's age.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
Funded To Date:	\$0	Project Balance:	\$0
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$2,592,205	Project Total:	\$2,592,205



Ref. No

Funding Recommendation

6CR Department of Corrections

Denver Reception and Diagnostic Center (DRDC) Electronic Security System Replacement, Ph 1 of 1 \$2,180,248

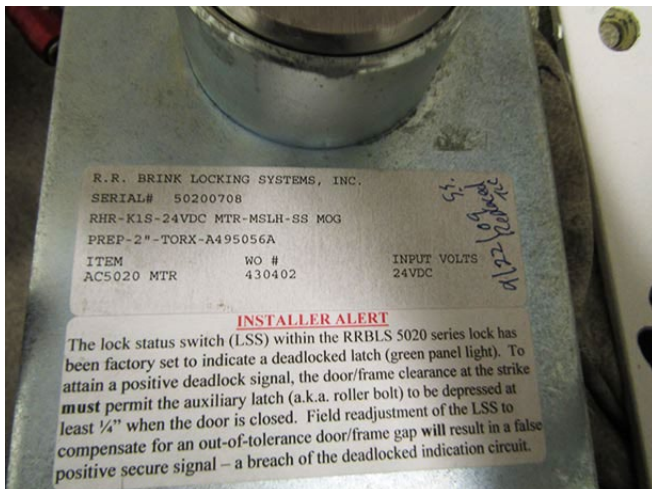
PROJECT DESCRIPTION / SCOPE OF WORK:

The Denver Reception and Diagnostic Center (DRDC) is a high-security (Level V) correctional facility with the capacity to house 638 offenders. Since its construction in 1991, DRDC has been the primary processing center for all new admissions to the Colorado Department of Corrections (CDOC) because of its multi-custody-level population management and diverse clinical and educational programs. The existing security system, installed over three decades ago, is obsolete and susceptible to disruptions. Repairs are increasingly challenging because replacement parts for the dated equipment are scarce. Given that DRDC accommodates offenders of every security level, any disruption caused by the obsolete security system could have grave repercussions; compromising the safety of offenders, staff, and the broader community.

This request will upgrade DRDC's electronic security system to align with the current CDOC standards, which incorporate Programmable Logic Controllers (PLC) with a Computer Graphics Interface. The security system upgrade is fully designed with construction documents ready. This project will initiate the bidding and procurement process and complete construction.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$2,180,248	All Phases: Project Total:	\$2,180,248



Ref. No

Funding Recommendation

7CR Department of Corrections

Denver Women's Correctional Facility (DWCF) Support Building Roof Replacement, Ph 1 of 1

\$3,710,858

PROJECT DESCRIPTION / SCOPE OF WORK:

The Denver Women's Correctional Facility (DWCF) is a Level V maximum security prison accommodating 1,016 female offenders. The roof of the Support Building (CODW7774) is in urgent need of replacement due to extensive damage that is affecting key program areas, including: case management, clinical, education, job training, food service, laundry, and support services. These programs have been compromised due to ongoing water damage, mold, and bacterial growth. An urgent roof replacement is required to avoid life and safety risk exposure of offenders and staff. Roofing professionals have determined that the roof has reached the end of its usable life and repairs would be unable to fully address the roof's damage. Previously considered as a controlled maintenance effort, the project has now escalated to a one-phase capital renewal initiative due to the roof's substantial damage, as well as inflationary cost increases that exceed controlled maintenance thresholds.

This request will replace the Support Building's roof and modify the existing drainage patterns off the roof to avoid future damage.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
Funded To Date:	\$0	Project Balance:	\$0
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$3,710,858	Project Total:	\$3,710,858



Ref. No

Funding Recommendation

8CR Department of Corrections

East Canon City Prison Complex (ECCPC) Electrical Distribution Infrastructure Replacement, Ph 1 of 1 \$25,735,556

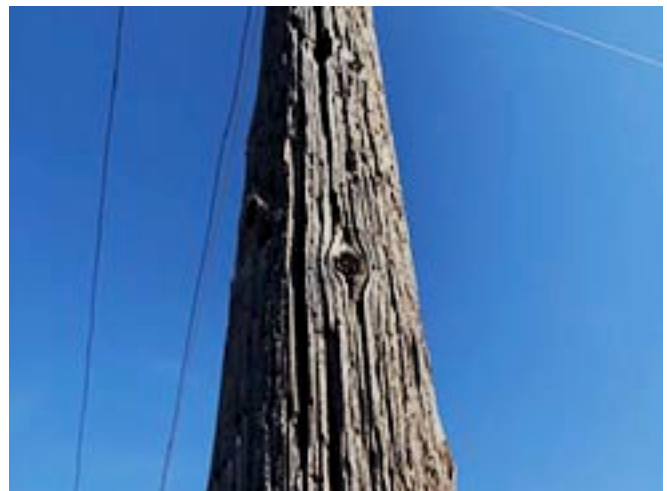
PROJECT DESCRIPTION / SCOPE OF WORK:

The East Canon City Prison Complex (ECCPC) is a correctional facility that houses 5,024 offenders, or 31% of the state's prison population. ECCPC facilities include all the offender security levels (I to V). Recently, power supply across several support facility buildings has been interrupted due to power line disruptions from weather and wildlife interference. When the systems fail during these disruptions, the complex is at significant risk because of its reliance on power to protect and safeguard staff, the public, and offenders. Electricity empowers staff to control and restrict movement, monitor and maintain secure conditions, and observe and prevent incidents while simultaneously promoting inter-facility communication in support of mission-critical tasks.

This request seeks to renovate the existing electrical infrastructure and systems throughout support facilities, which include water, heat, electricity, sewage treatment, and building maintenance systems. The project will replace the existing single point power supply system and overhead transmission lines with a two point power supply system and underground lines to eliminate environmental disruptions. The renovation is essential to protect and safeguard staff, public, and offenders. The system will be upgraded to comply with the State of Colorado's building code requirements and pass the State's health standards.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
Funded To Date:	\$0	Project Balance:	\$0
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$25,735,556	Project Total:	\$25,735,556



Ref. No

Funding Recommendation

9CR Department of Corrections

Fremont Correctional Facility (FCF) ADA Improvements, Ph 1 of 1

\$16,244,464

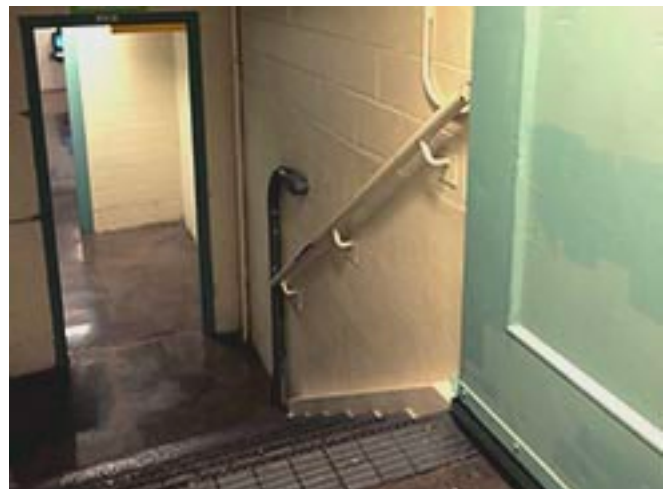
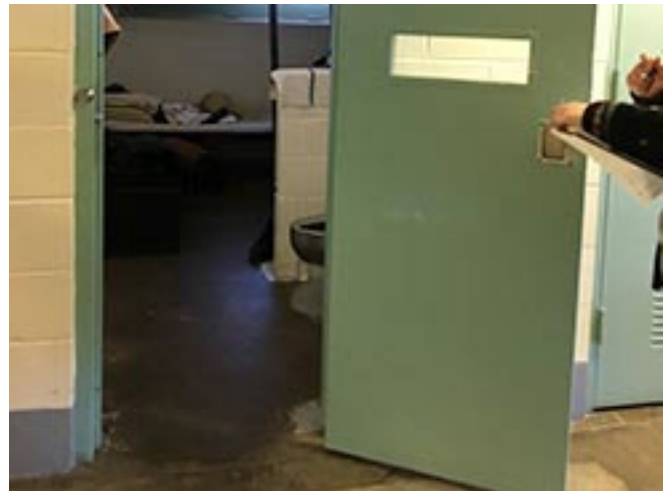
PROJECT DESCRIPTION / SCOPE OF WORK:

The Fremont Correctional Facility (FCF) has lacked Level III offender mobility beds for many years, but recently this need became critical. To increase the number of Level III mobility beds, renovations are required to address accessibility deficiencies that raise life and safety risks to offenders attempting to maneuver the facility. Specifically, this request will modify cell houses with inadequate cell door openings and non-compliant plumbing fixtures. Other deficiencies have also been identified in the support areas that include the main building, education, recreation, visiting, clinical services, laundry, food services, and overall site issues. These accommodations are necessary in a non-designated facility due to the available offender programs.

FCF has an operational capacity of 1,683 beds. The final build-out of this project will add 100 mobility accessible beds to the inventory of Level III beds: 63 beds to address the sex offender general population that already exists at FCF, 16 beds to address the Substance Use Disorder (formerly called Drug and Alcohol) specialized treatment program that also only exists at FCF, and the remaining Level III beds to inventory, which enables the department to be flexible in their allocation.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$16,244,464	All Phases: Project Total:	\$16,244,464



Ref. No

Funding Recommendation

10CR Department of Corrections

Fremont Correctional Facility (FCF) Electral Distribution Infrastructure Replacement, Ph 1 of 1

\$35,606,931

PROJECT DESCRIPTION / SCOPE OF WORK:

Fremont Correctional Facility (FCF) was originally built in 1957 for 900 offenders with the newest building constructed in 1998. Most of the electrical systems within the facility are 43 to 65 years old and have reached the end of their safe and expected life. Failure of the electrical system may bring cascading system failures, including: door controls, fire protection panels, and HVAC systems. An additional stand-by generator is needed to back-up the central boiler system maintaining heat and hot water for the facility during power outages.

This single phase request is to replace the existing primary and secondary electrical systems.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$35,606,931	All Phases: Project Total:	\$35,606,931



Ref. No

Funding Recommendation

11CR Department of Corrections

Fremont Correctional Facility (FCF) Fire Alarm Upgrades, Ph 1 of 1

\$13,612,632

PROJECT DESCRIPTION / SCOPE OF WORK:

At present, the outdated and unreliable fire safety network at Fremont Correctional Facility (FCF) suffers from frequent failures and raises critical life and safety concerns for the staff and offenders. The network includes twelve interconnected fire alarm panels and an additional stand-alone panel. Issues range from device malfunctions to electrical shorts, grounding faults, and programming malfunctions. However, the primary issue is that the existing fire alarm panels are of different ages from various manufacturers, which hinders seamless communication across the facility's network. Due to disparate panel models and aging fiber optic cables, the system's maintenance has become increasingly difficult and costly. Control over the fire alarm system is compromised during emergencies, which poses a severe risk to the facility's operation and safety protocols.

The solution proposed involves a comprehensive upgrade to a unified, modern fire alarm system that can communicate effectively across the entire network. This resolves current technical issues and ensures the system operates as intended during emergencies, enhancing the safety of the offenders, staff, and facility as a whole. The upgrade is essential for bringing the facility's fire alarm capabilities up to current standards and for ensuring effective emergency response in the future.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$13,612,632	All Phases: Project Total:	\$13,612,632



Ref. No

Funding Recommendation

12CR Department of Corrections

Limon Correctional Facility (LCF) Support Building Roof Replacement, Ph 1 of 1

\$4,493,603

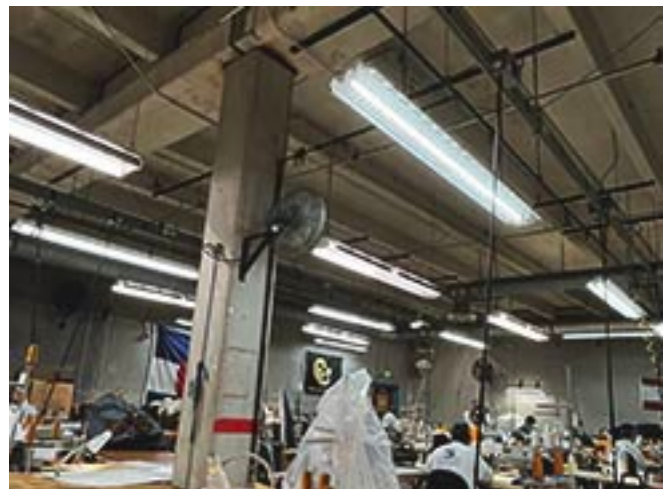
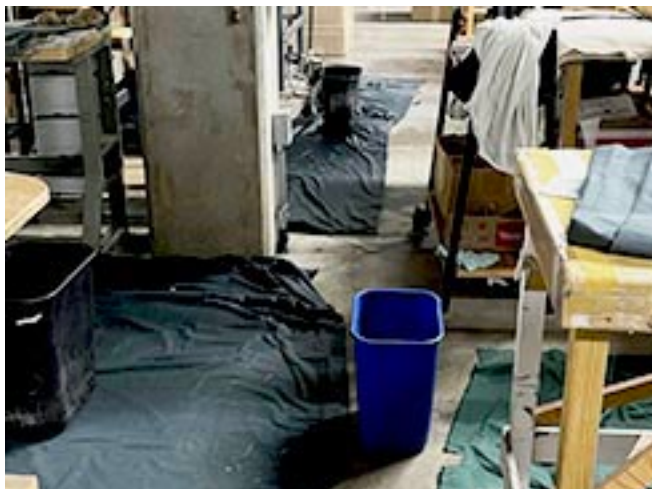
PROJECT DESCRIPTION / SCOPE OF WORK:

Limon Correctional Facility (LCF) is a secure, Level IV facility with a capacity of 966 offenders. The Support Building (COLI9999) provides essential functions to maintaining daily facility operations; including 45 clinical, educational, and Colorado Correctional Industries (CCI) programs; as well as an additional 27 faith and citizen-based programs. The original roof, installed over 32 years ago, is now at the end of its usable life and requires immediate replacement. The roof's ongoing leaks have caused damage to the building's interior and equipment housed in the facility; therefore causing disruptions to daily operations and program activities. Additionally, ongoing and frequent maintenance of the roof system causes a considerable strain on the maintenance staff and their budget.

The scope of this request is the installation of a new roofing system. The consultant design and construction documents were completed within the scope of the SB17-267 work. They will only need a design consultant to review the completed documents per the updated building codes, implement the bidding and award process, and provide construction management services.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$4,493,603	All Phases: Project Total:	\$4,493,603



Ref. No

Funding Recommendation

13CR Department of Corrections

Sterling Access Controls Electronic Security Sytem Replacement, Ph 2 of 2

\$40,029,390

PROJECT DESCRIPTION / SCOPE OF WORK:

The Sterling Correctional Facility (SCF) was opened in 1999 and has a capacity of 2,584 male inmates. The original Access Controls Electronic Security System (ACCESS) that maintains security and life safety is in poor condition. ACCESS is an isolated internal system not connected to the internet. The lack of available replacement components is an increasing challenge with each passing day. Two living units are no longer in use due to parts being removed to keep other livings units operational. With the change of facility mission to more open inmate movement and increased rehabilitation efforts, there has been a significant increase in direct inmate and staff contact. This increased contact has raised safety and security concerns in managing Colorado's most dangerous, most violent, and most disruptive inmates. A failure of the door control system, communication system, or a catastrophic system failure has the potential to endanger the lives of staff, offenders, and the public. A 2021 lightning strike brought to light the full depth of issues with the system.

This project will affect over 1,500 doors, replace security control panels, provide additional electrical support, and update the countertops for the new equipment with better view lines. Phase 1 started upgrading/replacing the doors, controls panels, and intercom paging system. Additionally, this phase started installing uninterruptible power systems equipment for the control panels and provided additional cooling for the system. Phase 2 will finish the work by replacing external perimeter pneumatic locks with electromechanical locks.

PROJECT FUNDING:

Prior Phasing: 2024-013P23		Future Phasing:	
FY23/24 Ph 1:	\$9,396,262	Project Balance:	\$0
Funded To Date:	\$9,396,262	All Phases:	
Current Phase:		Project Total:	\$49,425,652
FY24/25 Ph 2:	\$40,029,390		



Ref. No

Funding Recommendation

14CR Department of Corrections

Sterling Correctional Facility (SCF) Steam Condensate Line Replacement, Ph 2 of 2

\$16,367,035

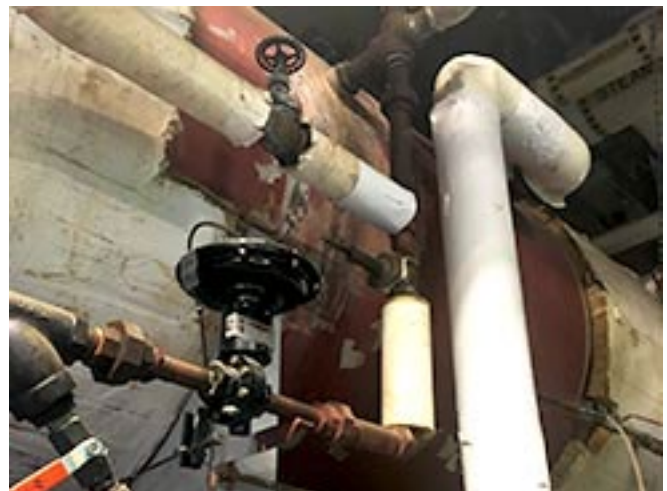
PROJECT DESCRIPTION / SCOPE OF WORK:

The Sterling Correctional Facility (SCF) opened in 1999. The highly reactive water supplied by the City of Sterling has degraded the steam condensate piping lines. The lines are used eight months out of the year for heating all buildings at the facility. Sterling has subsequently upgraded their water system and corrected the problem, but the damage remains and piping continues to fail due to the many years of wear and high pressure within the system. In the first six months of 2018, seven breaks caused program disruption and costly repairs. To date over four million gallons of potable water has been lost due to leaks, with over 4,900 hours of staff time to make repairs.

This request will replace the degraded and failing steam condensate piping with new insulated lines that will provide 10,020 linear feet including fittings, control valves, and add isolation valves. The repairs will include new concrete vaults to enable partial shutdowns for easier future maintenance. This was originally a single phase project but construction escalation reduced the scope of work. Phase 1 completed the west side of campus. Phase 2 will complete the east side including the Level I & II Housing, Support, and Administration Buildings.

PROJECT FUNDING:

Prior Phasing: 2020-009P21		Future Phasing:	
FY21/22 Ph 1:	\$8,487,496	Project Balance:	\$0
Funded To Date:	\$8,487,496	All Phases:	
Current Phase:		Project Total:	\$24,854,531
FY24/25 Ph 2:	\$16,367,035		



Ref. No

Funding Recommendation

15CR Department of Corrections

Trinidad Correctional Facility (TCF) Waste Water Treatment Facility Improvements, Ph 1 of 1

\$23,080,112

PROJECT DESCRIPTION / SCOPE OF WORK:

The Trinidad Correctional Facility (TCF) Waste Water Treatment Facility (WWTF) was constructed in 1997. The security Level II male facility has consistently maintained occupancy of 508 offenders. The WWTF is 25 years old, and components are reaching the end of their expected service life. This, in addition to the lack of updated code and redundancy, places the facility at risk of critical failure. Staff have proactively requested assessment of the WWTF operations.

An independent firm determined in June 2022 that the WWTF system was still working, but identified inefficiencies that would soon be in crisis if they were not addressed. This single-phase project will replace the all of the equipment in the WWTF and address the known deficiencies.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$23,080,112	All Phases: Project Total:	\$23,080,112



Ref. No

Funding Recommendation

16CR Department of Human Services

Campus Infrastructure Replacement at CALM and CAMV, Ph 1 of 3

\$2,389,398

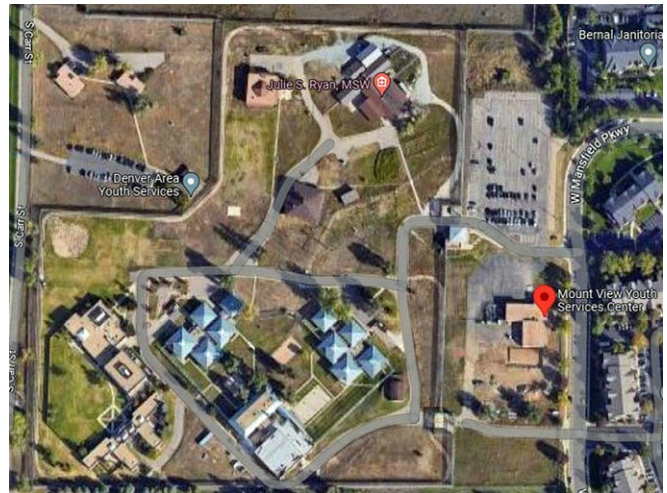
PROJECT DESCRIPTION / SCOPE OF WORK:

The Campus at Mount View (CAMV) and the Campus at Lookout Mountain (CALM) both provide youth service programs that operate 24 hours per day, 365 days per year. Both older facilities have failing, deteriorating infrastructure which includes storm drainage, sanitary sewer, domestic water, natural gas, and electrical services, and network lines. The unplanned emergency maintenance for its repair became arduous and barely manageable to construction personnel and program staff. With failures of the infrastructure, the program simply cannot function in the area impacted.

This project will address the failing conditions at CALM and CAMV: designing and replacing the storm drainage, sanitary sewer, domestic water, natural gas, electrical services, and network lines. Phase 1 will include a full design of both campuses; CALM and CAMV. Phase 2 will consist of construction to replace infrastructure at CALM. Phase 3 will consist of construction to replace infrastructure at CAMV.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
		FY25/26 Ph 2:	\$12,771,613
		FY26/27 Ph 3:	\$15,776,698
Funded To Date:	\$0	Project Balance:	\$28,548,311
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$2,389,398	Project Total:	\$30,937,709



Ref. No

Funding Recommendation

17CR Department of Local Affairs - Ft Lyon

Decentralize Fort Lyon Building Heating, Ph 1 of 1

\$13,494,113

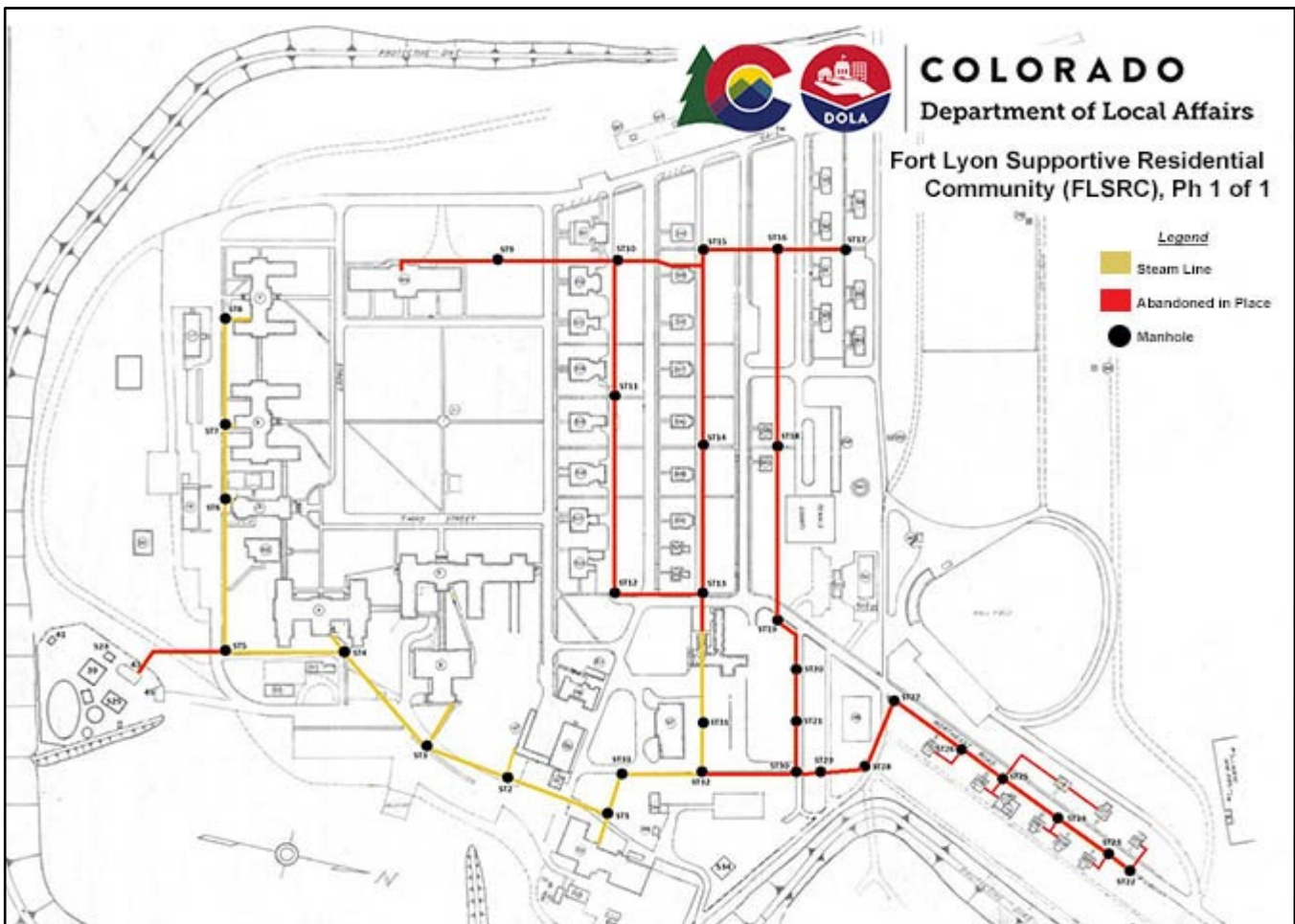
PROJECT DESCRIPTION / SCOPE OF WORK:

The Fort Lyon Supportive Residential Community (FLSRC) serves approximately 230 formerly homeless Coloradans who reside in and utilize services housed at this facility. Currently, it uses a central steam boiler system with heat exchangers in each building to generate heating and domestic hot water. The boilers are located in the steam plant and distribute their steam with underground lines, which are approximately a half-mile long each and require frequent maintenance due to age. Eliminating the steam distribution lines will conserve energy that would've been wasted otherwise. The current system is nearing the end of its usable life and is located in an area prone to flooding during severe weather, making it even more susceptible to damage. The decommissioning of the central heating plant was reviewed as a potential energy performance contract measure, but the cost of the additional equipment did not fit any financial performance.

This project seeks to replace the existing centralized system with individual water boilers for heating and domestic water heaters in Building 3 (GSCS0036), Building 4 (GSCS0068), Building 5 (GSCS0069), Building 6 (GSCS0075), and Building 8 (GSCS0070). Building 221 (GSCS0039), which currently serves as the central steam plant, will be decommissioned. This project will reduce heat loss during the steam's half-mile travel through the existing lines, resulting in overall lower energy use. The project will also reduce maintenance costs and time spent on repairs while ensuring its reliability.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$13,494,113	All Phases: Project Total:	\$13,494,113



Ref. No

Funding Recommendation

18CR Department of Personnel and Administration - 1881 Pierce

Parking Lot Replacement - 1881 Pierce St, Ph 1 of 1

\$4,048,195

PROJECT DESCRIPTION / SCOPE OF WORK:

The 1881 Pierce Street building (GSCS8746) houses the Department of Revenue’s (DOR) administrative services as well as a public DMV suite. The existing parking lot has reached the end of its usable life and poses significant safety concerns due to overall pavement deterioration. The primary cause of the deterioration is a lack of proper drainage. In addition to the overall deterioration, the parking lot is not in compliance with ADA standards. The majority of the handicap spaces do not include accessible aisles and another significant portion do not have ramps leading to the sidewalk.

This project will replace all parking lots with new highway standard CDOT-approved paving and will modify parking lot configurations to optimize safety, efficiency, and accessibility. The project will also provide ADA spaces close to building entrances. Drainage will be improved by moving collocation away from the center of drive lanes to areas less vulnerable to vehicular traffic. Sidewalks and landscaping in high foot traffic areas will be repaired/replaced to accommodate corrected drainage. Detention areas will be improved to eliminate water accumulation in parking areas. Lastly, 22 EV parking stalls will be installed and an additional 62 stalls will be made “EV ready”.

PROJECT FUNDING:

Prior Phasing:		Future Phasing:	
Funded To Date:	\$0	Project Balance:	\$0
Current Phase:		All Phases:	
FY24/25 Ph 1:	\$4,048,195	Project Total:	\$4,048,195



Ref. No Funding Recommendation

19CR Department of Personnel and Administration - Division of Capital Assets

Kipling Campus Chiller Replacement, Ph 1 of 1

\$3,717,529

PROJECT DESCRIPTION / SCOPE OF WORK:

The OIT Data Center at 690 Kipling (GSCB0149) operates on a 24 hour schedule, 7 days a week. The facility houses a significant portion of the State's IT operations which support vital agency services, including public services. A system failure or service disruption would likely result in major life and safety implications for the general public. The OIT Data Center utilizes three chillers to maintain a consistent temperature required for the data equipment at this location. If the equipment exceeds its temperature limit, the risk of data loss and service interruptions increases. Proper maintenance and timely replacement of the current cooling system is essential. The Kipling Data Center chillers run continuously, which shortens the system life by as much as 20%. Even though the chillers were installed in 2005, they have exceeded their usable life. Maintenance staff have reported chiller equipment failures several times per month and long lead times to obtain replacement parts. These concerns substantiate the need to replace these systems rather than continue to endure excessive maintenance costs and operational risks. In addition the chillers are R22 refrigerant-dependent, which has been banned from production and import to the US by the EPA.

During this project a temporary backup chiller will be supplied to avoid disruptions. The existing chillers will be removed and replaced with modern, efficient models. This will include upgraded fuses, feeders, breakers, panels, and transformers to meet the power requirements of the new systems.

PROJECT FUNDING:

Prior Phasing: Funded To Date:	\$0	Future Phasing: Project Balance:	\$0
Current Phase: FY24/25 Ph 1:	\$3,717,529	All Phases: Project Total:	\$3,717,529

