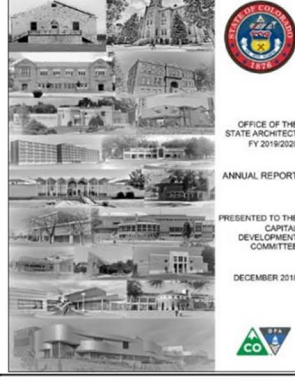
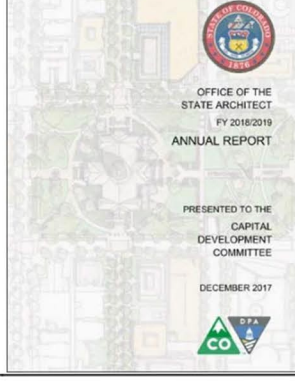
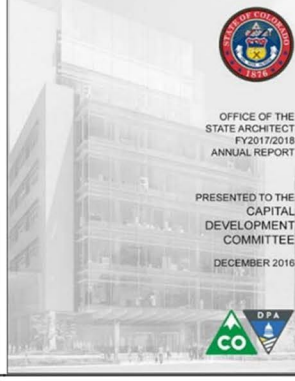
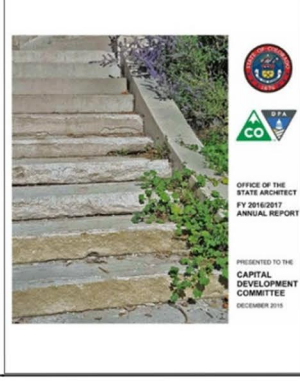
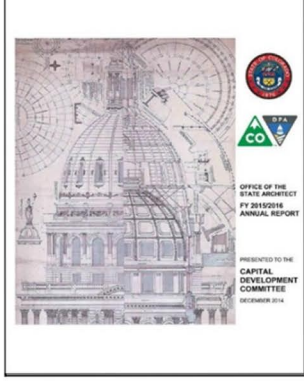
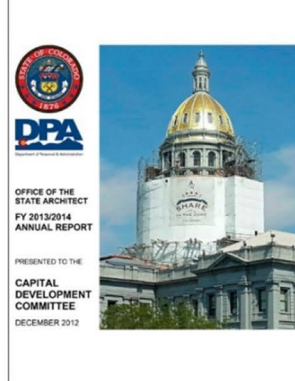
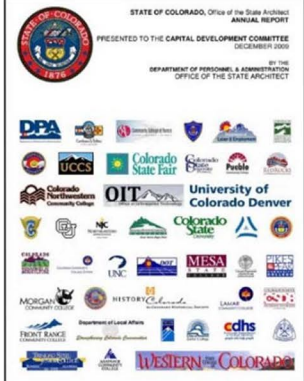
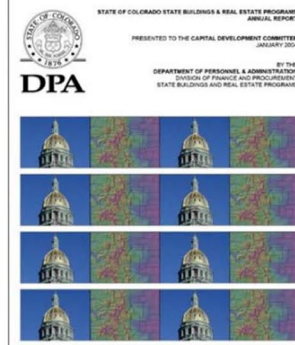
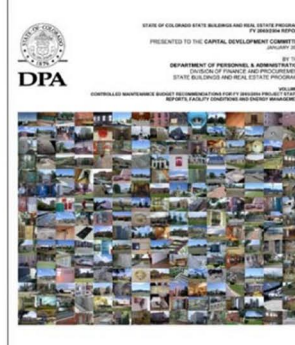
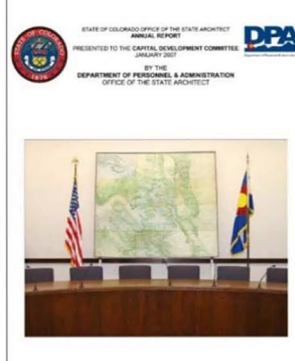
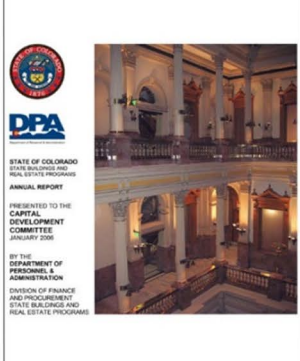
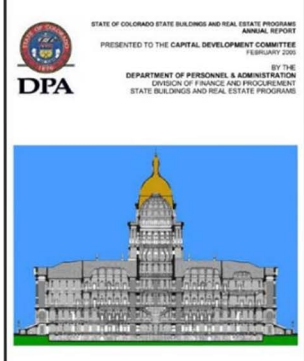
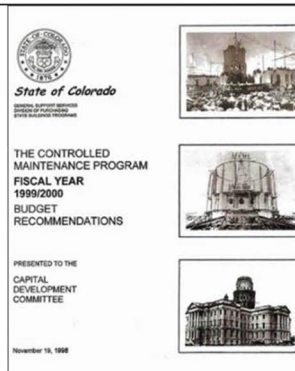
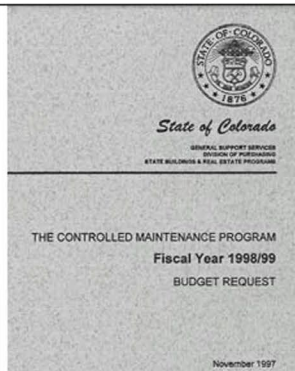
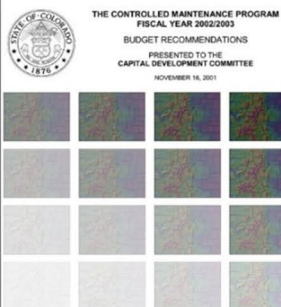
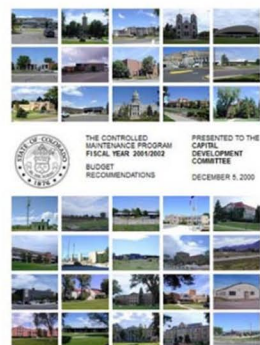




# THE STATE ARCHITECT FY2020-2021 ANNUAL REPORT

PRESENTED TO THE  
**CAPITAL DEVELOPMENT  
COMMITTEE**  
DECEMBER 2019







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**COLORADO**

**Office of the State Architect**

Department of Personnel & Administration

1525 Sherman St.

Denver, CO 80203

December 19, 2019

Senator Fields, Chair, and  
Members of the Capital Development Committee  
State of Colorado General Assembly  
46 State Capitol Building  
Denver, CO 80203

RE: Office of the State Architect  
Annual Report to the Capital Development Committee

Dear Senator Fields and Committee Members:

The Office of the State Architect (OSA) hereby submits to the Capital Development Committee (CDC) the FY 2020/21 Annual Report. As in past years, the OSA combines its statutory oversight and reporting responsibilities into a single document that highlights statewide capital construction and controlled maintenance funding recommendations, the status of state funded construction projects, the inventory of state owned buildings, facility planning, energy conservation measures, and real estate activities.

The FY 2020/21 capital construction project requests listed in Section II, Recommendations A & B, were submitted for review to OSA from each state agency as part of their capital construction five-year plan and annual budget request submission. As required by Section 24-30-1303 (1) (t) (I) C.R.S., OSA submitted the recommendations to the Governor's Office of State Planning and Budgeting (OSPB). Please note that the Colorado Department of Higher Education (CDHE) recommends capital construction project requests from institutions of higher education separately to the OSPB and the CDC. Concurrently, the controlled maintenance project requests listed in Section II, Recommendations C & D, were submitted to OSA from each state agency and institution of higher education as part of their controlled maintenance five-year plan and also included in their annual budget request submission. As required by Section 24-30-1303 (1) (t) (II), C.R.S., OSA submits these recommendations as the *state's controlled maintenance budget request* to OSPB and the CDC. Subsequently, OSPB considers the recommendations made by the CDHE and the OSA and submits a single prioritized list to the CDC.

As in previous years, OSA continues to recommend the annual controlled maintenance funding goal of 1% of the Current Replacement Value (CRV) of the State's inventory of general funded and academic buildings. The prioritized list of controlled maintenance project requests in Section II - C represents a balanced approach to addressing annual facility maintenance needs across the state's building inventory. Due to a lack of available revenue, controlled maintenance appropriations have historically been inconsistent and below recommended goals as the state's building inventory continued to grow and age. However, due to the appropriations of HB 18-1322 and SB17-267, our annual controlled maintenance funding goal of 1% was reached for the first time in twenty years. These projects continue with an expected completion date of September 2021.

The commitment of time, energy and expertise provided by facilities staff statewide towards planning, constructing, operating, maintaining and leasing of their facilities through varying economic cycles is noteworthy. The level of professionalism and pride is demonstrated through their stewardship of well-maintained facilities.

In closing, the OSA and the state agencies and institutions of higher education sincerely value the essential role that the Capital Development Committee plays in supporting the need for annual capital construction and controlled maintenance funding.

Sincerely,

Cheri R. Gerou, FAIA, LEED AP BD+C  
State Architect



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**SECTION I: EXECUTIVE SUMMARY - STATE BUILDINGS PROGRAM****INVENTORY**

■ **Gross Square Feet/Current Replacement Value:** The reported inventory of state owned general funded and academic buildings has increased by approximately 34% (12.3 million GSF) over the past twenty years, from 35.8 million GSF in FY00/01 to **48.1 million GSF** in FY19/20 with a Current Replacement Value (CRV) of **\$13.3 billion dollars**. (The CRV is derived from Risk Management insured values). Auxiliary funded and non-academic buildings have been reported at an additional 33.0 million GSF with an additional CRV of \$7.8 billion dollars and are not included in the calculations for number, age, facility condition or funding recommendations below.

■ **Number and Age of Buildings/Facility Condition:** Forty (40) state agencies and institutions of higher education are included in the inventory of state owned general funded and academic buildings as illustrated in **CHART A** comprising **2,387** buildings. Approximately 1,286 buildings, comprising 27.1 million GSF (56% of the total inventory) were constructed pre-1980. Of that, 1,036 buildings, 19.3 million GSF are pre-1970 (40% of the total inventory) and 707 buildings, 12.4 million GSF are pre-1960 (26% of the total inventory). Facility assessments conducted by the agencies and institutions to estimate building conditions were reported as follows: approximately 5% of the gross square footage (GSF) was within an FCI of less than 0.35 (poor condition), 20% was within an FCI of 0.35 to 0.60 (poor-fair condition), 51% was within an FCI of 0.60 to 0.85 (fair-good condition), and 18% was within an FCI of 0.85 to 1.0 (targeted condition). Conversely, **76% of the buildings assessed are or will be eligible for controlled maintenance funding**. A Facility Condition Index (FCI) rating of 1.0 is equivalent to a like new condition.

**ANNUAL APPROPRIATIONS**

■ **Historical Funding:** Capital construction appropriations over the last twenty years have been inconsistent due to a lack of available revenue as illustrated in **CHART A** on the opposite page and has resulted in controlled maintenance appropriations below recommended funding levels with the exceptions of FY 2018/19. Industry guidelines (i.e. The Association of Higher Education Facilities Officers (APPA), 2016 report on Capital Renewal and Deferred Maintenance) continue to recommend an annual Reinvestment Rate (RR) of 2% to 4% of the CRV of a building inventory be dedicated for capital improvements to operate, maintain and renew to targeted levels. The Office of the State Architect continues to recommend, as a **goal**, an annual RR equivalent to **1% of the CRV** to address controlled maintenance and an **additional RR goal of 1% - 1.5% equivalent to 2.5% of the CRV** to address capital renewal/capital renovation project requests in existing buildings. Note that funding recommendations for capital construction (new facilities) are separate and in addition to the RR recommendations and do not impact existing facility conditions.

**FY 2020/21 RECOMMENDATIONS**

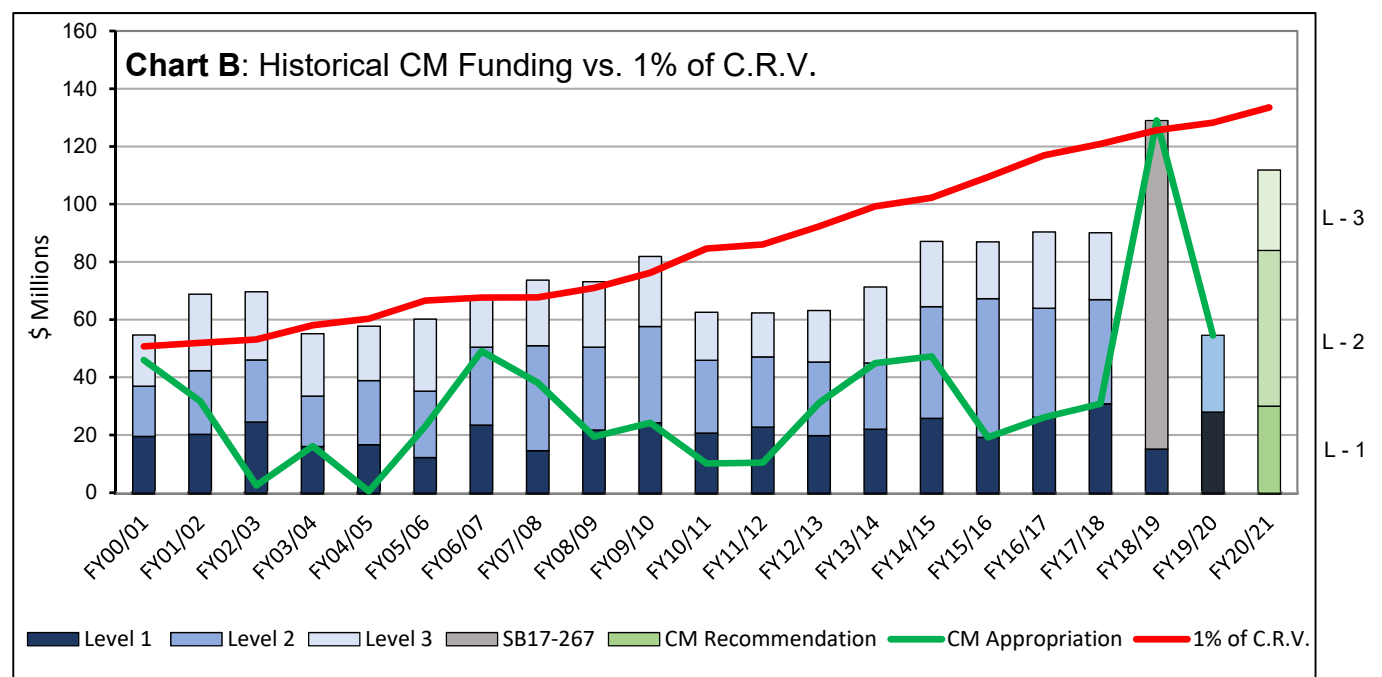
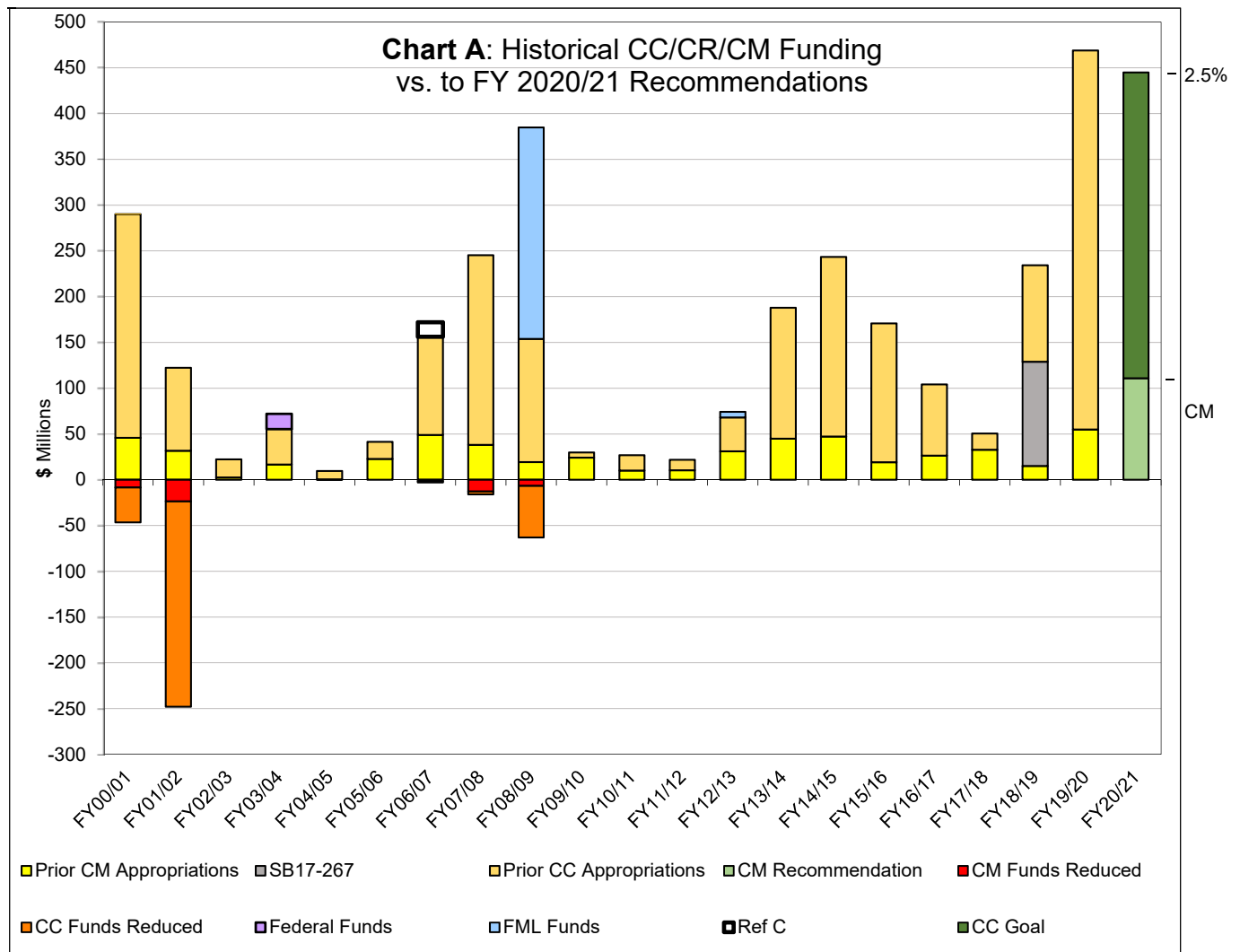
■ **Capital Construction Requests for State Departments (New Facilities):** Six (6) capital construction project requests from state agencies were recommended by the OSA to the OSPB for a total of \$54,083,028, (Refer to SECTION II - A&B for project details).

■ **Capital Renewal/Capital Renovation Requests for State Departments (Upgrades to Existing Facilities):** Twelve (12) capital renewal/capital renovation project requests from state agencies were recommended by the OSA to the OSPB for a total of \$104,001,236, (Refer to SECTION II - A&B for project details).

■ **Statewide Controlled Maintenance Budget Request (Repairs to Existing Facilities):** One hundred and twenty five (125) prioritized project requests are recommended by OSA for FY 2020/21 as the *statewide controlled maintenance budget request* comprised of \$111,812,501 for current-year project requests and \$59,593,678 for forty (40) associated out-year project phases for a total of **\$171,406,179**. (Refer to SECTION II - C&D for project/phase details). As a RR, the budget request is equivalent to **1.17% of the CRV** as illustrated in **CHARTS A&B** for FY 2020/21. Controlled maintenance project requests fall into one of the following categories: life-safety, structural, heating-ventilation and air conditioning, electrical, plumbing, roofing, general maintenance and infrastructure. The recommended project requests are identified in each state agency and institution of higher education's five-year plan by fiscal year with a combined five-year plan total of **\$575,900,476** for FY 2020/21.

■ **Project Request Five Year Plans:** The reported controlled maintenance project request five year plan total for general funded state agency and academic buildings and infrastructure is of **\$575,900,476** for FY 2020/21. The reported Capital Construction/Capital Renewal project request five-year plan total for general funded state agency and academic buildings and infrastructure is **\$5,037,075,795** (Refer to SECTION III - L).



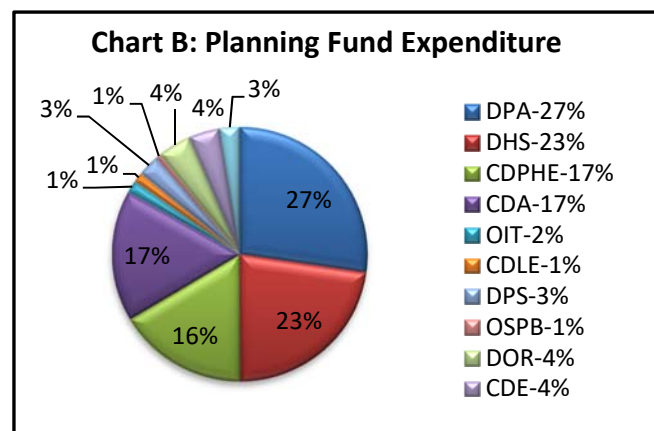
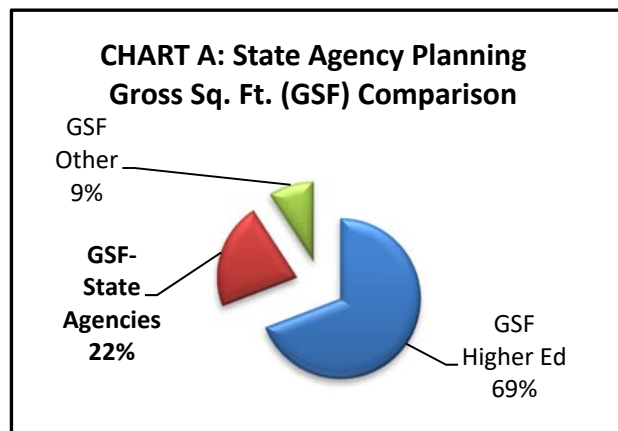


**SECTION I: EXECUTIVE SUMMARY - STATEWIDE PLANNING PROGRAM**

■ **Planning Program Established:** A management audit in 2012 identified that the State lacked “a comprehensive mechanism for long-term planning for its real estate assets. Such a mechanism could assist the State in its efforts to maximize the value of its real estate assets, reduce facility costs and support funding decisions.” In a subsequent master planning effort for the Capitol Complex, the consultant recommended strategies for addressing the issue. Ten peer state processes were analyzed which resulted in policy recommendations. In 2015, the State passed **SB15-270** along with an update to Section 24-1-136.5, CRS, which added the Statewide Planning Program (SPP) to the Office of the State Architect. These two updates coordinate the responsibilities of Executive Directors to establish planning efforts within their agencies and the State Architect to enact policies for the creation of state agency planning documents and a process for review, approval, and reporting. The result of this effort is a mission driven capital plan that maximizes the value of each capital investment by minimizing long term costs.

■ **Planning at State Agencies:** In 2015, the SPP developed and established the framework for a planning process for **15** State Agencies that parallels the requirements established by the Colorado Commission for Higher Education. These agencies occupy 22% of the total owned real estate as noted **CHART A**. SPP created and published guidelines, instructions and templates for the state agency process and submittal requirements for **Operational Master Plans (OMP)** that describe how Departments provide their service, **Facilities Master Plans (FMP)** which organizes all the Departments space needs, and **Facility Program Plans (FPP)** which analyze and describe project specific objectives, costs and schedule. These templates are currently available on the Office of the State Architect’s website. As part of the annual site verification visits of State facilities, SPP reviews the planning process to the State Departments that manage State owned real estate. (Refer to SECTION III - J). The process for reviewing state agency planning documents has resulted in the review of **4** Facility Program Plans from **2** State Agencies out of the **26** Capital Construction / Capital Renewal / Cash requests submitted this year.

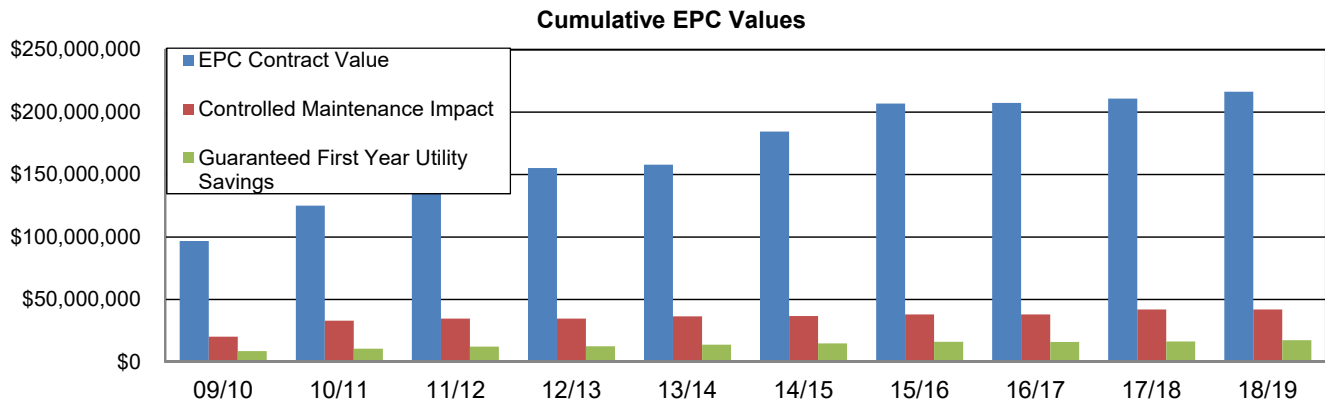
■ **State Agency Planning Fund:** In 2015, the SPP selected a Statewide Planning Consultant that has been used to assist state agencies with implementing the requirements of the program. The Statewide Planning Consultant has implemented **39** task orders at **11** agencies totaling **\$2,742,569** for State Agencies as noted in **CHART B** which is approximately **56%** of the appropriated statewide planning fund to date (Refer to SECTION III - K). The task orders comprise a variety of planning efforts that included physical space planning, market and cost analyses, building assessments, Facility Program Plans, and agency program needs analysis.



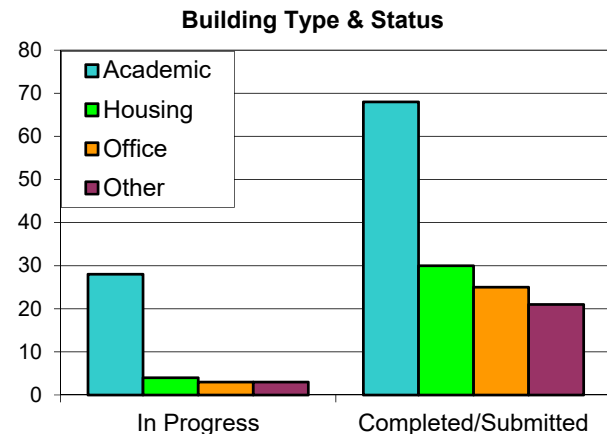
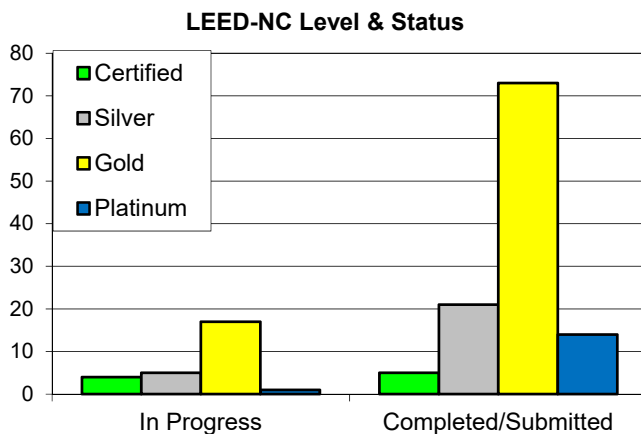


**SECTION I: EXECUTIVE SUMMARY - ENERGY MANAGEMENT PROGRAM**

■ **Energy Performance Contracts:** Energy Performance Contracts (EPC) are considered as an alternative funding source for energy related controlled maintenance for *existing buildings* for state agencies and institutions of higher education to improve facility conditions and increase energy/water efficiency. This process uses the utility dollars saved (avoided future utility cost) to pay for facility improvements over a specified time. The first EPC for the state of Colorado was implemented in 1996, and to date, most state agencies and institutions of higher education have completed or have under-way energy performance projects. Since the EPC program was implemented the cumulative total contract value of construction work is at **\$216,313,579** which includes the funding of **\$41,922,644** in identified controlled maintenance needs and a guaranteed first year utility savings of **\$17,380,764**. The chart below graphs the cumulative total values over the last ten fiscal years.

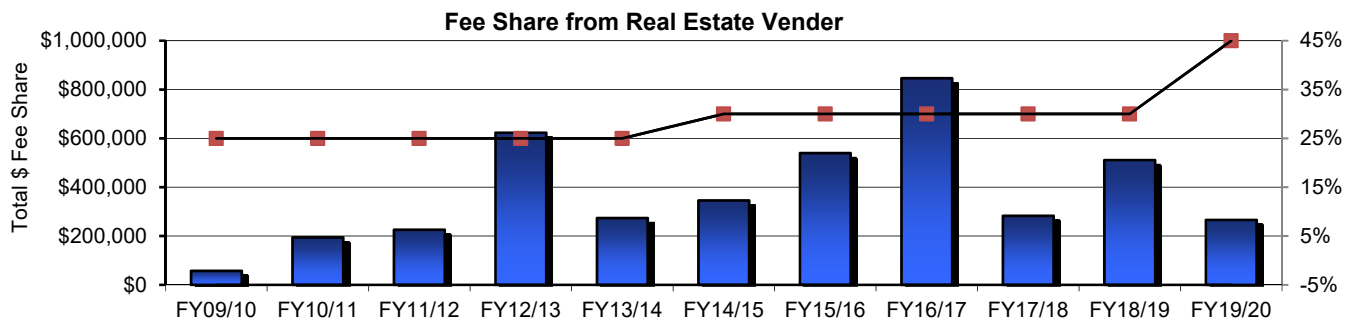


■ **High Performance Buildings and the Governor's Executive Orders:** The High Performance Certification Program (HPCP) standards were adopted by the Office of the State Architect (OSA) to establish the design and construction guidelines for *new buildings* and buildings undergoing substantial renovations as required by Section 24-30-1305.5, C.R.S. The United States Green Building Council/Leadership in Energy and Environmental Design (USGBC/LEED) was the guideline chosen and the Gold level certification is the targeted goal of the HPCP. State agencies and institutions of higher education projects that started design work after January 1, 2010 are required to track and report utility data. Additionally, OSA works with the Colorado Department of Education on Building Excellent Schools Today (BEST) funded projects and the Department of Local Affairs on their grant programs for compliance with HPCP standards, (Refer to SECTION III - N). In 2017 the U.S. Green Building Council announced that, based on its analysis, Colorado ranked 2<sup>nd</sup> nationally for the number of LEED-certified environmentally friendly commercial and institutional buildings per capita.

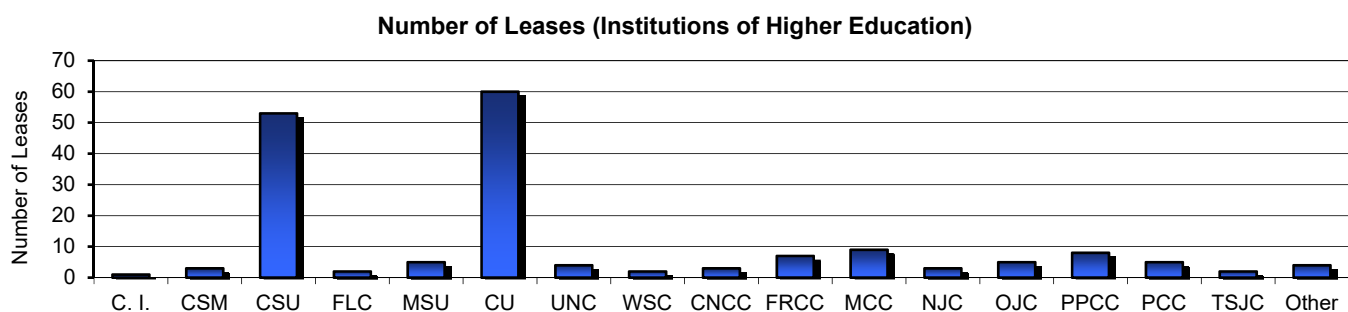
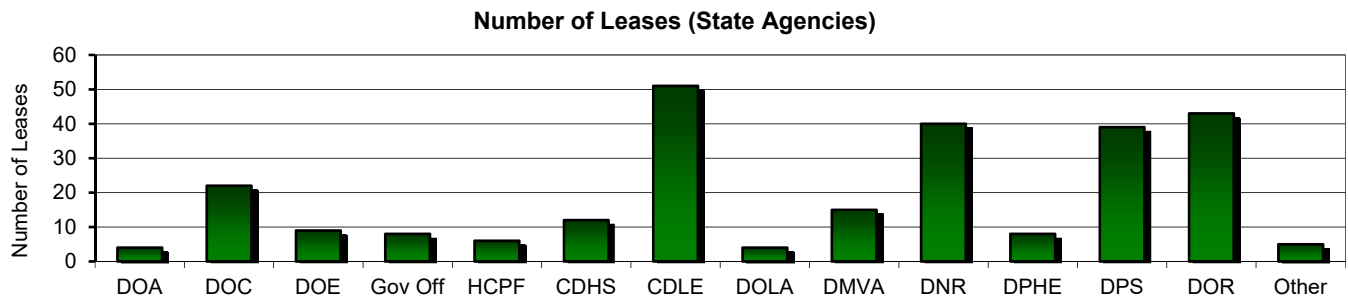


**SECTION I: EXECUTIVE SUMMARY - REAL ESTATE PROGRAM**

■ **Real Estate Services Vendor:** OSA established Fee Share as part of the Centralized Leasing process with the state's contracted real estate broker. The Fee Share has been used to lower the rent paid by agencies and institutions of higher education during the term of the lease. From July 2009-June 2014 the fee share started at 25% of the commission paid for by the landlord and in July 2014-June 2019 was increased to 30% the most recent procurement in early 2019 raised this amount even further to **45%**.



■ **Leased Property:** As of November 2019 there were **442** commercial building lease agreements in FY 2019/20; comprised of 266 leases with state agencies and 176 leases with institutions of higher education. The commercial building leases comprised a total of 3,659,566 rentable square feet. The annual base rent paid by state agencies and institutions of higher education to third parties has increased over 60% in the last thirteen years from \$38,480,872 in FY 2005/06 to **\$62,593,142** in FY 2019/20. The chart below illustrates the number of leases by state agencies and institutions of higher education (Refer to SECTION III - Q).



■ **Interagency Leases:** There were **111** interagency leases in effect as of November 2019. These leases comprise a total of **1,527,782** rentable square feet. Interagency Leases generally include space within a state owned building being leased out to another state agency or institution of higher education. An example of this is the Capitol Complex Building Group. (Refer to SECTION III - R).

■ **Acquisitions and Dispositions:** **16** acquisitions and **4** dispositions of real property in FY17/18 were reported to the Office of the State Architect/Real Estate Program for state agencies and institutions of higher education (Refer to SECTION III - O).

■ **Vacant Facilities:** **127** buildings comprising **1,678,611** gross square feet statewide were reported as of November 2018. Each state agency and institution of higher education has provided an individual Vacant Facility Management Plan for each building on this list with an explanation of why the building is vacant and the future plan for the facility use or demolition. (Refer to SECTION III - P).

**ANNUAL REPORT, SECTION II: RECOMMENDATIONS**

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**A STATE AGENCIES: CAPITAL CONSTRUCTION/CAPITAL RENEWAL PROJECT REQUEST CASH FUNDING RECOMMENDATIONS FOR FY2020/2021**

Listed on the following pages, by level, reference number, project title and dollar amount are the capital construction/capital renewal (CC/CR) project request cash funding recommendations for the current fiscal year based on the Office of the State Architect's annual review process. The process includes the annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each cash funded and general funded 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) (I) C.R.S.

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. Specifically, 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 master plans.





**ANNUAL REPORT, SECTION II - A: STATE AGENCIES****CAPITAL CONSTRUCTION/CAPITAL RENEWAL PROJECT REQUEST CASH FUNDING RECOMMENDATIONS FOR FY2020/2021**

CC Ref. No.	Agency, Project Title, Phase	Prior Project No.	Prior Funding	Current Year Project Request	Out-Year Project Balance	Total Project Cost
<b>LEVEL 1</b>						
1	Department of Health and Environment <b>Reclamation, Colorado Smelter Superfund Site, Ph 1 of 1</b>		\$0	<b>\$3,507,544</b>	\$0	\$3,507,544
2	History Colorado <b>Regional Property Preservation, Various Facilities, Continuation</b>		\$2,800,000	<b>\$700,000</b>	TBD	\$3,500,000
3	Department of Corrections <b>Renovate Inmate Assignment Building, Sterling Correctional Facility, Ph 1 of 1</b>		\$0	<b>\$3,536,046</b>	\$0	\$3,536,046
4	Department of Human Services <b>DRCO Depreciation Fund Capital Improvements, continuation</b>	2017-030P16	\$4,065,474	<b>\$745,110</b>	TBD	\$4,810,584
5	Department of Human Services <b>Facility Upgrades, Fitzsimons VCLC, Ph 1 of 1</b>		\$0	<b>\$969,346</b>	\$0	\$969,346
6	Department of Human Services <b>Facility Upgrades, McCandless VCLC, Ph 1 of 1</b>		\$0	<b>\$546,892</b>	\$0	\$546,892
7	Department of Human Services <b>Facility Upgrades, Rifle VCLC, Ph 1 of 1</b>		\$0	<b>\$303,712</b>	\$0	\$303,712
8	Department of Human Services <b>Facility Upgrades, Homelake VCLC, Ph 1 of 1</b>		\$0	<b>\$390,754</b>	\$0	\$390,754
<b>LEVEL 1 TOTAL</b>			\$6,865,474	<b>\$10,699,404</b>	\$0	\$17,564,878
<b>CASH FUND RECOMMENDED TOTAL</b>				<b>\$10,699,404</b>		

OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION  
ANNUAL REPORT, SECTION II - A: STATE AGENCIES

December 2019

CAPITAL CONSTRUCTION/CAPITAL RENEWAL PROJECT REQUEST FUNDING RECOMMENDATIONS FOR FY2020/2021

CC Ref. No.	Agency, Project Title, Phase	Prior Project No.	Prior Appropriation	Current Year Project Request		Future Phases Project Balance		Total Project Cost
				CCF	OTHER FUNDS	CCF	OTHER FUNDS	
LEVEL 1								
9	Department of Corrections Steam Condensate Line Replacement, Sterling Correctional, Ph 1 of 1		\$0	\$7,560,654	\$0	\$0	\$0	\$7,560,654
10	Department of Agriculture - State Fair Stormwater and Sewer Upgrades, State Fair, Ph. 1 of 1		\$0	\$3,299,747	\$0	\$0	\$0	\$3,299,747
11	Department of Personnel and Administration - DCA Building Renovation, Centennial Building, Ph 1 of 1		\$0	\$7,000,000	\$21,595,728	\$0	\$0	\$28,595,728
12	Department of Human Services Suicide Risk Mitigation, CMHIP, CMHIFL, Ph 1 of 3		\$0	\$1,446,879	\$0	\$10,551,983	\$0	\$11,998,862
13	Department of Human Services Infrastructure Upgrade, Colorado Mental Health Institutes, CMHIP, Ph 1 of 3		\$0	\$9,603,528	\$0	\$26,864,622	\$0	\$36,468,150
LEVEL 1 TOTAL			\$0	\$28,910,808	\$21,595,728	\$37,416,605	\$0	\$87,923,141
LEVEL 2								
14	Department of Corrections Security Control System Replacement, Colorado State Penetentiary, Ph 1 of 1		\$0	\$4,168,693	\$0	\$0	\$0	\$4,168,693
15	Department of Corrections Security Control System Replacement, Arkansas Valley, Ph 1 of 1		\$0	\$3,176,955	\$0	\$0	\$0	\$3,176,955
16	Department of Personnel and Administration - DCA Electric Vehicle Charging Stations, Merrick Parking Garage, Ph 1 of 1		\$0	\$840,252	\$0	\$0	\$0	\$840,252
17	Department of Personnel and Administration - DCA Infrastructure for State Fleet Electrification,Various Locations, Ph 1 of 1		\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
18	History Colorado Adobe Restoration, Ft, Vasquez, Ph 1 of 1		\$0	\$2,317,329	\$0	\$0	\$0	\$2,317,329
19	Department of Corrections Facility Utility Water Lines Replacement, Arkansas Valley, Ph 1 of 1		\$0	\$7,789,547	\$0	\$0	\$0	\$7,789,547
20	Department of Corrections Food Service Renovations, Sterling Correctional, Ph 1 of 1		\$0	\$36,300,641	\$0	\$0	\$0	\$36,300,641
21	History Colorado Exterior Repairs, Grant Humphreys, Ph 1 of 1		\$0	\$3,711,653	\$0	\$0	\$0	\$3,711,653
22	Department of Human Services Infrastructure Upgrade, CMHIFL, Ph 2 of 3	2002-108P1	\$8,935,147	\$11,344,289	\$0	\$6,861,006	\$0	\$27,140,442

OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION  
**ANNUAL REPORT, SECTION II - A: STATE AGENCIES**

December 2019

**CAPITAL CONSTRUCTION/CAPITAL RENEWAL PROJECT REQUEST FUNDING RECOMMENDATIONS FOR FY2020/2021**

CC Ref. No.	Agency, Project Title, Phase	Prior Project No.	Prior Appropriation	Current Year Project Request	OTHER FUNDS	Future Phases Project Balance	OTHER FUNDS	Total Project Cost	
				CCF		CCF			
23	Department of Human Services HVAC Replacement, 4 buildings, CMHIP, Ph 1 of 3		\$0	\$3,896,460		\$0	\$40,365,621	\$44,262,081	
	LEVEL 2 TOTAL		\$8,935,147	\$75,545,819		\$0	\$47,226,627	\$0	\$131,707,593
LEVEL 3									
24	Department of Corrections Shower and Toilet Room Improvements, Arkansas Valley Correctional Facility, Ph. 1 of 1		\$0	\$10,831,749		\$0	\$0	\$0	\$10,831,749
25	Department of Corrections Aging Population Living Unit, Skyline Correctional Center, Ph 1 of 1		\$0	\$13,480,567		\$0	\$0	\$0	\$13,480,567
26	Department of Corrections Perimeter Security Improvements, Delta Correctional Center, Ph 1 of 1		\$0	\$7,719,602		\$0	\$0	\$0	\$7,719,602
	LEVEL 3 TOTAL		\$0	\$32,031,918		\$0	\$0	\$0	\$275,154,328
CAPITAL CONSTRUCTION FUND RECOMMENDED TOTAL				\$136,488,545		\$0			
Capital Construction Fund Other Totals			\$8,935,147			\$	84,643,232		\$ 494,785,062

**ANNUAL REPORT, SECTION II: RECOMMENDATIONS**

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**B. STATE AGENCIES: CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

The descriptions on the following pages provide a brief scope narrative of each recommended capital construction / capital renewal project request and the corresponding name of the state department, the building or site, funding history and current funding request. Per Section 24-30-1301(2) C.R.S., Capital Construction is program driven needs arising out of an agency or institutions needs to create, expand, relocate or alter a program due growth, advances in technology or changes in methods or program delivery. Capital Renewal is maintenance driven needs greater than two million dollars per phase as defined by Section 24-30-1301(3) C.R.S. that are more cost effective or better addressed by corrective repairs or replacement rather than a limited repair.

The reference number (**Ref. No.**) at the top left corner of each Description page corresponds to the reference number for each project request in the Project Request Funding Recommendations in **SECTION II - A** for Capital Construction/Capital Renewal. The (**Level**) refers to the project request's level of criticality as assigned by the Office of the State Architect.





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level

Funding Recommendation

1 1 Department of Public Health and the Environment

**Reclamation, Colorado Smelter Superfund Site, Pueblo, Ph. 1 of 1**

**\$3,507,544**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

The agency is requesting cash fund spending authority for this capital construction project that will remediate an old silver smelter site in Pueblo and an area of influence around the site. The Colorado Smelter site is a Superfund project under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The site consists of a 700,000 square feet site containing a slag pile and buildings. Testing for site contamination detected roughly a one-mile radius of heavy metal contamination, primarily lead and arsenic, at neighborhood homes, businesses, parks, alleyways, and vacant lots. Work required consists of removing landscaping (grass, dirt, soils, etc.) from homes, businesses, and parks and disposing of material at a regional landfill. Landscaping will then be replaced with clean soils and grass. The Environmental Protection Agency (EPA) is lead on the project site, which requires the Department to provide 10% of the project funding to EPA via a site agreement with EPA.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$ 0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
Federal Funds	\$31,492,456	Federal Funds	\$31,492,456
FY20/21 Ph 1 Cash Fund (CF)	<b>\$3,507,544</b>	Project Total	<b>\$35,000,000</b>



**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

Funding Recommendation

2 1 History Colorado

**Regional Property Preservation, Various Facilities, Continuation**

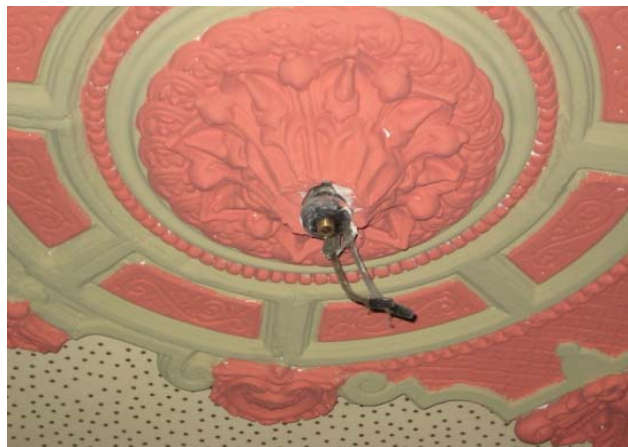
**\$700,000**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This annual request is to preserve regional museums and support the business operations of History Colorado (HC). The following locations have identified upgrade requirements: Byers Evans (HEHS4087) for renovating windows, doors, brick, mortar and paint. Grant-Humphries (HEHS4085) replace stove vent. El Pueblo Museum (HEHS7361) for the replacement of the heating and ventilation system in the classroom and kitchen. Trinidad History Museum (HEHS4114) for a new roof on the workshop and restroom. Healy House/Dexter Cabin (HEHS4107, HEHS4106) for a new roof on the cabin. Ute Indian Museum (HEHS4108) for a glass partition between the exhibit area and public atrium. The work will also include the Georgetown Loop Railroad (HEHS4089) for rolling stock repairs, improvements, acquisition, and facility improvements.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
FY16/17 Cash Fund (CF)	\$700,000		
FY17/18 Cash Fund (CF)	\$700,000		
FY18/19 Cash Fund (CF)	\$700,000		
FY19/20 Cash Fund (CF)	\$700,000		
Funded To Date	<b>\$2,800,000</b>	Project Balance	<b>TBD</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Cash Fund (CF)	<b>\$700,000</b>	Project Total	<b>\$3,500,000</b>





**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

Funding Recommendation

3 1 Department of Corrections

**Renovate Inmate Assignment Building, Sterling Correctional Facility, Ph 1 of 1**

**\$3,536,046**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This new capital construction project request at the Sterling Correctional Facility (SCF) would remodel the Programs Annex Building (RM# COST7830), an existing 10,573 S.F. metal storage building, into offender program use. The Department would like to re-purpose the existing underutilized facility into an integral part of offender rehabilitation. The new space would provide a modern environment that increases the safety for both staff and offenders at a significantly lower cost than constructing a new facility. This building was originally constructed as part of the 1999 prison construction to house offender programs but was left unfinished due to funding constraints. This request aligns with the CNA Prison Utilization Study and aligns and supports legislative initiatives HB14-1355 – Re-entry and SB15-195 - Expansion of Educational Vocational Programs. The interior renovation would include insulation, heating, cooling, interior walls, doors, and finishes. The project would also include a small outside space that would require a slab on grade and other minor improvements.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Cash Fund (CF):	\$3,536,046	Project Total	\$3,536,046



**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

Funding Recommendation

4 1 Department of Human Services

**Division of Regional Center Operations Depreciation Fund, Capital Improvements, Continuation \$745,110**

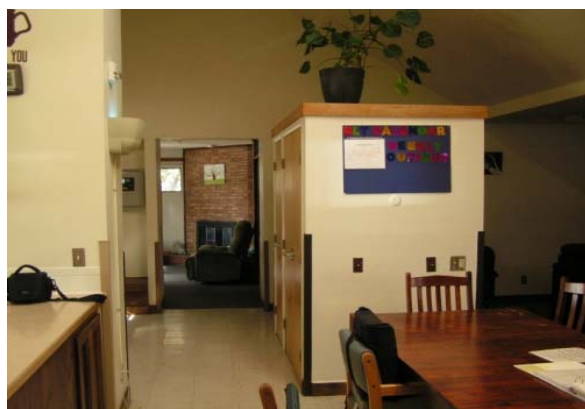
**PROJECT DESCRIPTION/SCOPE OF WORK:**

This capital construction request for the Division of Regional Center Operations (DRCO) is submitted as part of an ongoing effort to improve the DRCO facilities. These funds are a continuation from enabling legislation CRS 24-75-302 and are used to renovate facilities managed by this program. The request has been prioritized based on the condition of the homes, considering safety, security, accessibility and programmatic needs. The highest priority homes and needs are included in the request with lower priority homes slated for improvements in the out-years. The proposed improvements are mainly comprised of interior renovations and have therefore been itemized per home rather than specific tasks for each year's request. This will enable all the proposed work in each home to be accomplished at the same time, minimizing disruption to the residents.

The scope for this request is as follows: Wheat Ridge Regional Center, Administration Building (HSRV4875): install new secure entrance doors with access controls. At the 59<sup>th</sup> House (HWR1167): install new floors, paint, doors, front bathroom, windows, and remove closet. At the Pueblo Regional Center, 330 E. Hahns Peak (HSPU1151): complete living room upgrades and add motion detectors in bedrooms. At the Grand Junction Regional Center, Cedar House (HSGJ1136) re-do front area and medication room.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
FY14/15 Cash Fund (CF)	\$594,750		
FY15/16 Cash Fund (CF)	\$730,510		
FY16/17 Cash Fund (CF)	\$979,884		
FY17/18 Cash Fund (CF)	\$1,002,925		
FY19/20 Cash Fund (CF)	\$757,405		
Funded To Date	<b>\$4,065,474</b>	Project Balance	<b>TBD</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Cash Fund (CF)	<b>\$745,110</b>	Project Total	<b>\$4,810,584</b>



**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

**Funding Recommendation**

5 1 Department of Human Services

**Facility Upgrades, Fitzsimons Veterans Community Living Center (VCLC), Ph 1 of 1**

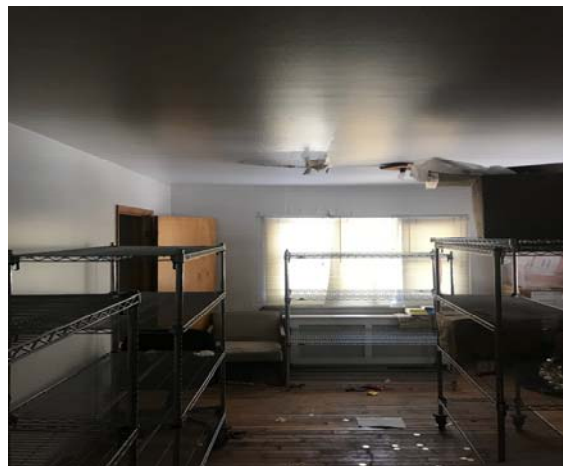
**\$969,346**

PROJECT DESCRIPTION/SCOPE OF WORK:

This new capital construction request is for various upgrades to the Fitzsimons Veterans Community Living Center (VCLC) in Aurora (HSFZ4857). The VCLC's are non-general funded facilities, but are eligible for capital construction funding. This project includes the HVAC systems in the lobby and administrative spaces to replace old equipment and better control heating and cooling in those spaces and replace a single 16 year old 700 gallon hot water tank with two smaller tanks. The age of the tank and efficiency of the system is driving this request. Also included is the demolition of Armory Building 17. This building has been vacant for over 10 years and was used as living quarters as part of the Army base. This project would replace the building with a new metal building and will be used for storage and maintenance equipment.

PROJECT FUNDING:

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Cash Fund (CF)	<b>\$969,346</b>	Project Total	<b>\$969,346</b>





**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

Funding Recommendation

6 1 Department of Human Services

**Facility Upgrades, McCandless Veterans Community Living Center (VCLC), Ph 1 of 1**

**\$546,892**

PROJECT DESCRIPTION/SCOPE OF WORK:

This new capital construction request is for various upgrades to the McCandless Veterans Community Living Center (VCLC) (HSFM3179). The VCLC's are non-general funded facilities, but are eligible for capital construction funding. This project intends to include: a remodel of the recreation room bathroom; remove smoking room and overhead fan; convert nursing office to cubical workspaces; update basement laundry room; renovate the linen rooms including new cabinetry; remodel janitor closets which will include new sinks; and paving/stripping the overflow parking lot.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Cash Fund (CF)	\$546,892	Project Total	\$546,892



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Ref. No. Level Funding Recommendation

7 1 Department of Human Services

**Facility Upgrades, Rifle Veterans Community Living Center (VCLC), Ph 1 of 1**

**\$303,712**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This new capital construction request is to replace the various storage units at the Rifle Veterans Community Living Center (VCLC) (HSRI2197). The VCLC's are non-general funded facilities, but are eligible for capital construction funding. This project intends to construct a new storage/maintenance building with a concrete foundation and electrical power. The existing storage units are in poor condition and are unconditioned, so the contents get very hot and cold. The exterior of the storage units are very dilapidated and rusting through in spots. This project would replace those units with a longer lasting facility that will enable easier access and more stable storage for the Rifle Community Living Center.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Cash Fund (CF)	<b>\$303,712</b>	Project Total	<b>\$303,712</b>





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Ref. No. Level

Funding Recommendation

8 1 Department of Human Services

**Facility Upgrades, Homelake Veterans Community Living Center (VCLC), phase 1 of 1**

**\$390,754**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

The Department requests cash fund spending authority for a capital construction project to remedy the following deficiencies at the Veterans Community Living Center at the Homelake facility (RM# HSFM3179): replace approximately 120 linear feet of concrete sidewalks, plus concrete ramps and stairways at six cottages; repave approximately 12,500 sq. ft. of asphalt parking at selected areas including the museum and guest parking lot; replace aged and existing vinyl composition tile in the breezeway entrance and carpet in the administration offices with commercial grade vinyl tile.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Cash Fund (CF)	\$390,754	Project Total	\$390,754



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

9 1 Department of Corrections

**Steam Condensate Line Replacement, Sterling Correctional, Ph 1 of 1**

**\$7,560,654**

PROJECT DESCRIPTION/SCOPE OF WORK:

This new capital renewal request will replace the degraded and failing steam condensate piping with new insulated lines that will provide heating for the entire Sterling facility which opened in 1999. 10,020 linear feet of lines would be addressed including fittings, control valves, and the addition of isolation valves. The lines are used eight months out of the year for heating all the buildings at the facility.

The cause of the problem was the highly reactive water supplied by the City of Sterling that degraded the pipes. Sterling has subsequently upgraded their water system and fixed the problem, but the damage remains and piping continues to fail due to the many years of wear and the high pressure within the pipes. 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. The repair will include new concrete vaults with isolation valves to enable partial shut downs for easier future maintenance.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$7,560,654	Project Total	\$7,560,654





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level

Funding Recommendation

10 1 Department of Agriculture – State Fair

**Stormwater and Sewer Upgrades, Colorado State Fairgrounds, Ph 1 of 1**

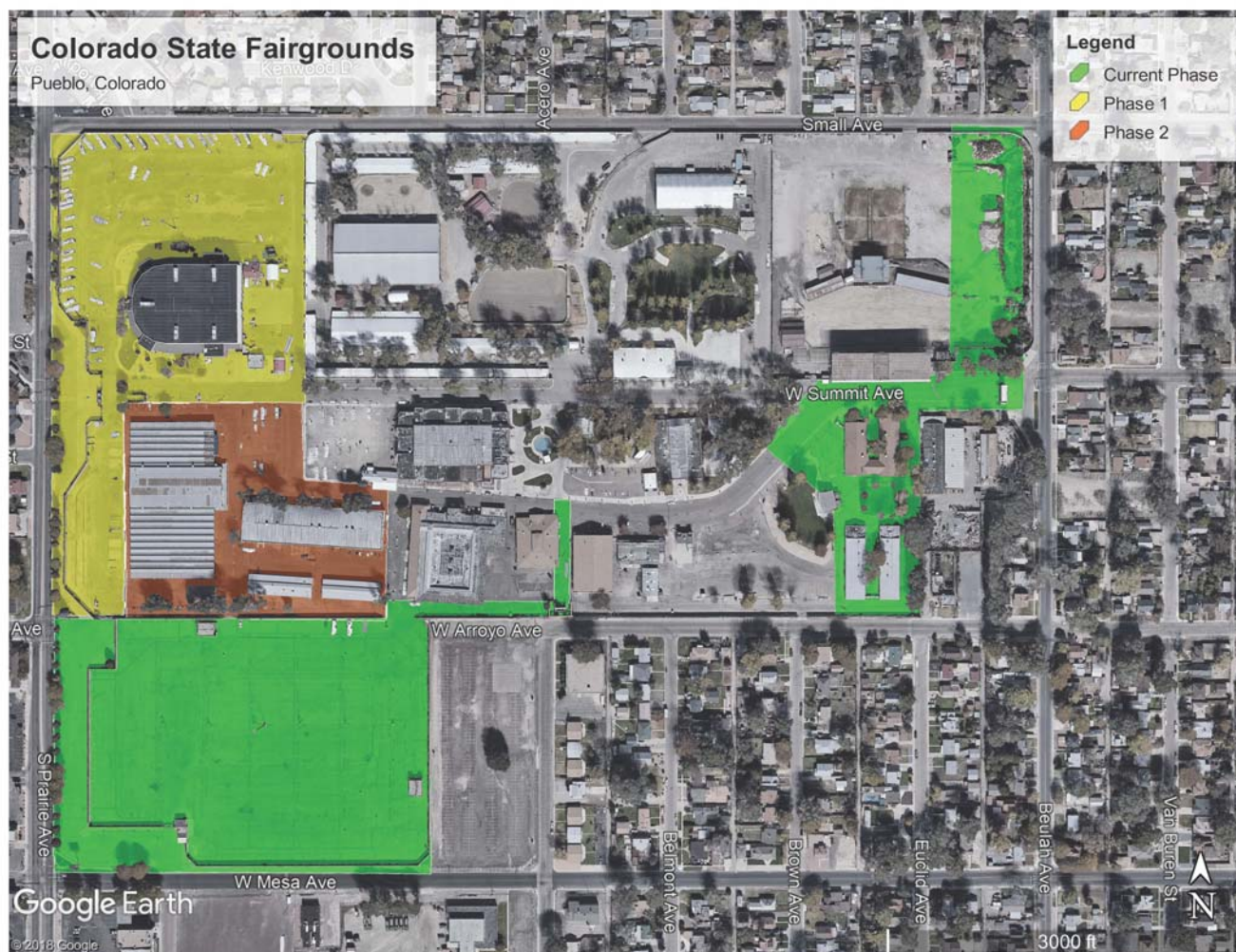
**\$3,299,747**

PROJECT DESCRIPTION/SCOPE OF WORK:

This project is proposing to separate the storm water from the sanitary water systems and address water quality issues at the 4-H complex. Currently during large storms the storm water fills the sanitary system, leaving the fairgrounds vulnerable to overflowing in the restrooms and flooding in the neighboring streets. The 4-H complex water service currently has an issue with water quality due to deteriorating galvanized supply lines causing the water to contain sediment and be discolored. This causes safety and quality concerns for water consumed and used for cooking. This is especially true during the State Fair when 4-H & FFA members use the complex exclusively for living and dining quarters. This project was previously funded through CM projects #2015-100M19 and #2015-100M19. The final design indicated that previous project scopes were underestimated. This request is a single phase that will complete this ongoing project.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$3,299, 747	Project Total	\$3,299,747





**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No.    Level Funding Recommendation

11            1            Department of Personnel and Administration – Division of Capital Assets

**Building Renovation, Centennial Building, Ph 1 of 1**

**\$7,000,000**

PROJECT DESCRIPTION/SCOPE OF WORK:

This project will address deficiencies at the Centennial Building (RM# GSCB0140). The plumbing system needs full replacement and all restrooms on every floor need full replacement to comply with current ADA requirements. The energy upgrades would generate significant cost savings in future years. The new HVAC system with increased insulation values from new building skin and high-performance windows will greatly increase efficiencies. Asbestos containing materials (ACM) have been identified on the exterior building skin and requires encapsulation. Interior abatement is required including behind the plaster walls within the restrooms and all vinyl flooring areas. This project will include: new mechanical and humidity controls for State Archives, building mechanical upgrades, exterior window replacement, and exterior skin encapsulation.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
Certificate Of Participation (COP) Fund	\$21,595,728	Project Total	<b>\$28,595,728</b>
FY20/21 Ph 1 Capital Construction Fund (CCF)	<b>\$7,000,000</b>		



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

12 1 Department of Health and Human Services

**Suicide Risk Mitigation, CMHIP and CMHIFL, Ph 1 of 3**

**\$1,446,879**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

Facility mitigation to reduce self-harm risk has been ongoing since 1995. Recommendations from several consultants began to be implemented in 2000 and included many retrofits and replacement of bathroom fixtures, handrails, shower curtains, door hardware, partitions, shower hooks, furniture, etc. The Department is continuing with proactive efforts to systematically analyze and retrofit facilities to reduce self-harm opportunities.

This project phase will include replacement of sinks, toilet partitions, toilets, grab bars, door knobs, hinges, phones, water fountains, shower, tub and ceilings to non-ligature models or designs at CMHIP, Building 106, 2<sup>nd</sup> floor and Building 129. Phase 2 will address a similar scope of work at buildings 116, 121 and 140. Phase 3 will address a similar scope of work at Ft. Logan along with window replacement.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
		FY21/12 Ph 2	\$8,425,378
		FY22/23 Ph 3	\$2,126,605
Funded To Date	<b>\$0</b>	Project Balance	<b>\$10,551,983</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Capital Construction Fund (CCF)	<b>\$1,446,879</b>	Project Total	<b>\$11,998,862</b>





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

13 1 Department of Health and Human Services

**Infrastructure Upgrade, Colorado Mental Health Institutes, Pueblo (CMHIP), Ph 1 of 3 \$9,603,528**

PROJECT DESCRIPTION/SCOPE OF WORK:

This capital renewal project was submitted for FY 17/18, 18/19 and 19/20 but was not funded. This project will complete the campus-wide upgrade of all utility infrastructures, implementing a long term solution to the major utility systems used by all programs on campus.

Phase 1 includes work on the south side of the campus. It would begin with design work and initial construction of the water and sewer line replacement, extensive utility upgrades and abatement within the utility tunnels, and new roads and walkways. Phase 2 would then continue at the northwest side of the campus, addressing roads, walkways, and site work, as well as water and sewer line replacements. Phase 3, on the north-central portion of the campus, would complete design and construction of water and sewer line replacement, and new roads and walkways.

PROJECT FUNDING:

<b>Prior Phasing</b>	<b>Future Phasing</b>
	FY21/22 Ph 2 \$12,595,526
	FY22/23 Ph 3 \$14,269,096
Funded To Date <b>\$0</b>	Project Balance <b>\$26,864,622</b>
<b>Current Phase</b>	<b>All Phases</b>
FY20/21 Ph 1 Capital Construction Fund (CCF) <b>\$9,603,528</b>	Project Total <b>\$36,468,150</b>



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14 2 Department of Corrections

**Security Control System Replacement, Colorado State Penitentiary, Ph 1 of 1** **\$4,168,693**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This is a new Capital Renewal Request to upgrade the Colorado State Penitentiary (CSP) Electronic Security Control System (ESCS). The facility was constructed in 1998 and houses 756 Level 5 offenders.

This ESCS system supports the door control, intercom, and video call-up functions. In addition, this request will make the man-down system operational again. The existing security control and monitoring systems for CSP are in need of replacement. Operation, 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. This capital renewal project would update the security workstations, software, central processing units, monitors, networking system, power supply systems, cabinets, and intercoms.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$4,168,693	Project Total	\$4,168,693





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

15 2 Department of Corrections

**Security Control System Replacement, Arkansas Valley Correctional Facility, Ph 1 of 1 \$3,176,955**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This new capital renewal request would fund the replacement of the door control and intercom system at the Arkansas Valley Correctional Facility (AVCF) which opened in 1987.

AVCF houses 1,056 level 3 offenders in Ordway, Colorado. The security system is 31 years old and does not meet current standards. Electrical faults, outages and failures result in security and life safety risks for offenders and staff. Spare parts are no longer available and the inventory from systems removed in prior projects is limited. DOC contracted with a vendor to assess and recommend a strategy for replacing the existing equipment. The scope of work prioritizes the door control system, the intercom system, the uninterruptable power source and the door locking system. After completion, this system will be programmable and will match the recent system upgrades at four other DOC facilities.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$3,176,955	Project Total	\$3,176,955



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level

Funding Recommendation

16 2 Department of Personnel and Administration – Division of Capital Assets

**Electric Vehicle Charging Stations, Merrick Parking Garage, Ph 1 of 1**

**\$840,252**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

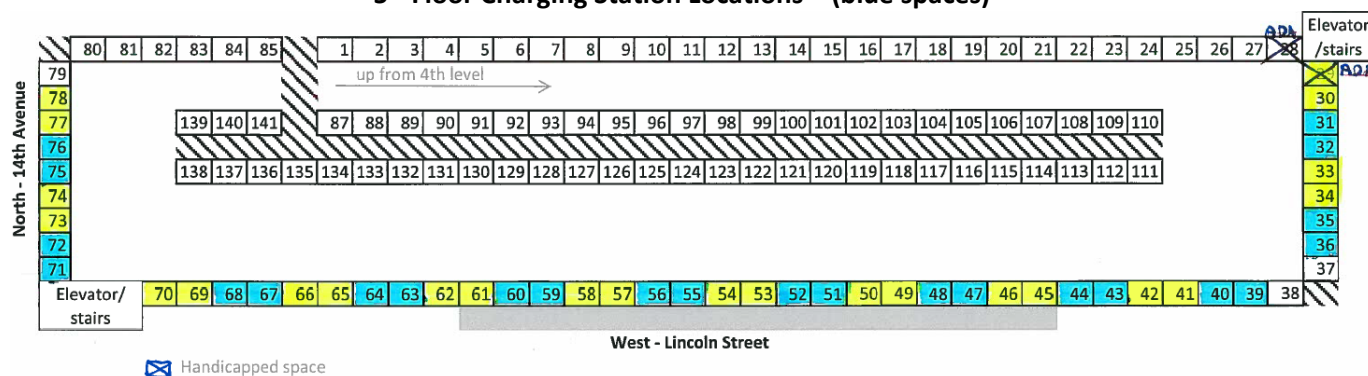
This Capital Construction request seeks \$850,252 in Capital Construction Funds for electric upgrades for the Merrick Parking Garage (RM # GSCB0157). This would provide capacity and installation of twenty-five Level II dual-port electric vehicle (EV) charging stations on the fifth floor of the facility. This request stems from the January 2019 Executive Order B 2019-002 which provides directives for the State to accelerate the widespread use of electrification of cars while aligning with the Colorado Electric Vehicle Plan through the Colorado Energy Office, which seeks to address the lack of a network of EV fast-charging stations throughout the State. This project intends to provide the electrical capacity to allow for sufficient infrastructure for the installation of Level II EV charging stations for use by multiple state agencies for state owned vehicles.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$840,252	Project Total	\$840,252



**Merrick Parking Garage**  
**5<sup>th</sup> Floor Charging Station Locations – (blue spaces)**



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

17 2 Department of Personnel and Administration – Division of Capital Assets

**Infrastructure for State Fleet Electrification, Various Locations, Ph 1 of 1**

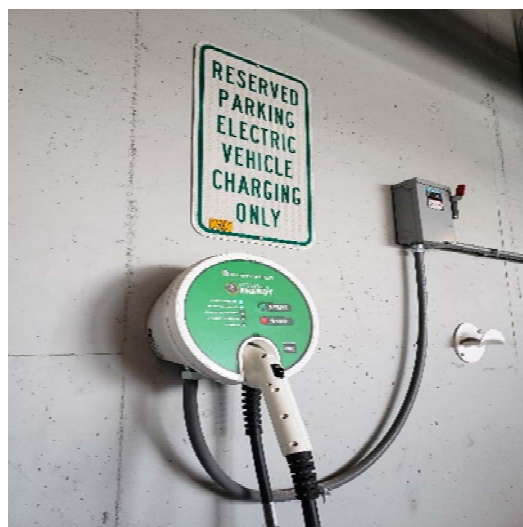
**\$2,000,000**

PROJECT DESCRIPTION/SCOPE OF WORK:

This Capital Construction requests seeks \$2,000,000 in Capital Construction Funds for the installation of approximately forty Level II dual-port electric vehicle (EV) charging stations at various locations throughout the State. The proposed locations will provide electric vehicle (EV) access on State properties in Pueblo, Denver, Golden, Grand Junction, Lakewood, Broomfield, Colorado Springs and Central City. This request stems from the January 2019 Executive Order B 2019-002, which provides directives for the State to accelerate the widespread use of electrification of cars while aligning with the Colorado Electric Vehicle Plan through the Colorado Energy Office, which seeks to address the lack of a network of EV fast-charging stations throughout the State. This project also includes funds for design as well as construction of the infrastructure and cost of the stations.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$2,000,000	Project Total	\$2,000,000





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level

Funding Recommendation

18 2 History Colorado

**Adobe Restoration, Ft. Vasquez, Ph 1 of 1**

**\$2,317,329**

PROJECT DESCRIPTION/SCOPE OF WORK:

The purpose of this capital renewal project is to restore the adobe walls at Ft. Vasquez (HEHS4111) and apply techniques that will minimize future maintenance requests. The funding of this project will effectively restore Ft. Vasquez for the first time since the 1930's in a way that should minimize future requests for maintenance for many years. Without the funds for this project, History Colorado would have to rely on their cash funds to address repairs on small sections as they deteriorate and reduce reliance upon controlled maintenance funds or emergency funds. The scope of work includes the replacement of the inner wythe of adobe bricks that have deteriorated; the replacement of roof and ledge caps; the injection of an epoxy resin to stop water from wicking up the walls; and replacement of the exterior stucco finish.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$2,317,329	Project Total	\$2,317,329





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

19 2 Department of Corrections

**Facility Utility Water Lines Replacement, Arkansas Valley Correctional Facility, Ph 1 of 1 \$7,789,547**

PROJECT DESCRIPTION/SCOPE OF WORK:

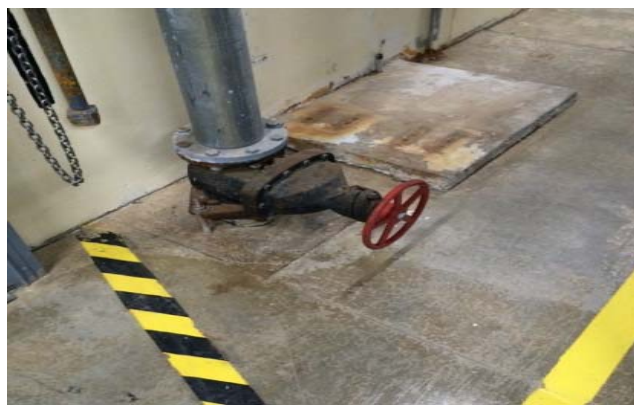
This capital renewal request is to address failing hot water heating and domestic water lines at the Arkansas Valley Correctional Facility.

The Arkansas Valley Correctional Facility houses 1,056 offenders and was opened in 1987. The facility has a central heating and cooling plant located outside of the security perimeter with buried pre-insulated piping systems that provide all the facilities with hot and cold water. The hot water heating piping is made of steel with Victaulic connections which has deteriorated and now leaks whenever the boiler is shut down and the resulting pipe temperature change causes slight shrinkage or expansion in the connection. Leaks within the facility result in damage to walls and ceilings and significant water loss when the leak is underground. During repairs, the entire system has to be shut down which disrupts operations and poses additional security concerns.

This request would also replace the existing water softener system which would help better condition the water to reduce the problem moving forward. The exterior hot water system distribution mains would be replaced with high density polyethylene piping joined with pressure tested welded joints. The interior lines would be replaced with polypropylene composite piping systems.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$7,789,547	Project Total	\$7,789,547



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level

Funding Recommendation

20 2 Department of Corrections

**Food Service Renovations, Sterling Correctional Facility, Ph 1 of 1**

**\$36,300,641**

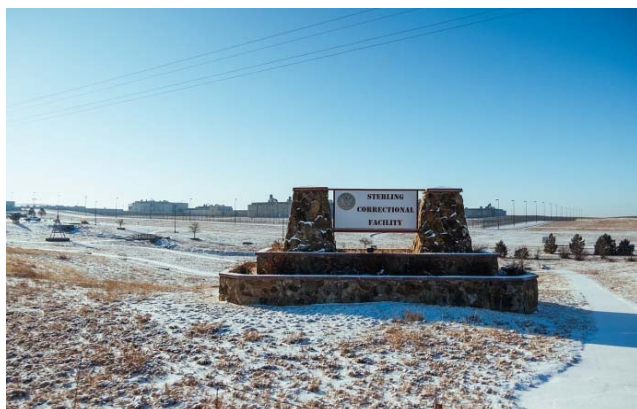
PROJECT DESCRIPTION/SCOPE OF WORK:

This capital renewal request would refurbish the food service facilities at the Sterling Correctional Facility located in the Support Building (COST7806) which opened in 1998. This project would renovate the kitchen, serving and dining areas.

The 31,440 sq.ft. kitchen is heavily used to serve over 2.8 million meals annually which, over its twenty-one year lifespan, constitutes over 55 million meals prepared in this space. The intensive use has worn through the floor in many places and the mechanical and electrical systems are at the end of their lifespan. The original design has areas that are not universally visible which creates safety hazards. The rooms for specialized meal preparation, a requirement to meet health/religious needs of offenders, are too small for current populations. The existing roofing also has had numerous failures over the years and is at the end of its lifespan. This project would completely remodel the kitchen space and replace the 52,000 sq.ft. roof with new insulation. A new layout will increase staff and offender safety and address inefficiencies. The mechanical systems, including exhaust fans, grease hoods, equipment, and air units will be replaced with more energy efficient equipment. Floor surfaces and strip drains would be refurbished and a new sanitary sewer waste line installed. Electrical panels would be upgraded and new efficient lighting would be installed. Overall, when complete, this project would improve safety, reduce energy usage, minimize maintenance, and comply with current health regulations.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$36,300,641	Project Total	\$36,300,641





**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

**Funding Recommendation**

21 2 History Colorado

**Exterior Repairs, Grant-Humphreys Mansion, Ph 1 of 1**

**\$3,711,653**

PROJECT DESCRIPTION/SCOPE OF WORK:

This new capital renewal request would fund the rehabilitation of the exterior of the Grant-Humphries Mansion (HEHS4085) which is in need of repairs.

The Grant-Humphreys Mansion is used for numerous event rentals including weddings and the condition of the Mansion directly affects the ability to book events. This project would address several areas of work that all have been identified in the Historic Structural Assessment report on the mansion. Deteriorating conditions of the exterior terra cotta tiles have caused them to loosen and fall in several places causing safety concerns. Exterior walkways and steps have heaved and caused tripping hazards and drainage problems. The exterior fountain overlook wall is unstable and areas around it have sunk. Damaged copper flashing and gutters at the roof have resulted in leaks, furthering deterioration to the exterior materials. Exterior doors and windows are in need of painting and the ceilings of the porches have deteriorated and need restoration. This project would address the deficiencies outlined by History Colorado's consultant recommending historic restoration techniques for each of these work areas.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$3,711,653	Project Total	\$3,711,653



CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No.	Level	Funding Recommendation
22	2	Department of Health and Human Services

**Infrastructure Upgrade, Colorado Mental Health Institutes at Ft. Logan (CMHIFL), Ph 2 of 3      \$11,344,289**

PROJECT DESCRIPTION/SCOPE OF WORK:

This capital renewal project was submitted for FY 18/19 and Phase 1 was funded. This project will replace/repair the main water lines, the sewer lines, the fire hydrant lines, numerous roads and sidewalks, improve storm water drainage, and place conduit for the communication system. This project only installs the conduit; the cabling will be installed as part of a future IT project request.

Phase 1 replaced pavement, sidewalks, fire and domestic water lines, sanitary sewers, improve storm drainage and provide below grade conduits in concrete trenches for communication and security needs. The construction work began at the intersection of Oxford Avenue and Lowell Boulevard, followed by the roadway portion between Princeton Circle and Quincy Avenue, then work on the East side of Oxford Avenue moving to the West. Phase 2 (this request) will replace pavement, sidewalks, fire and domestic water lines, sanitary sewers, improve storm drainage, and provide below grade conduits in concrete trenches for communication and security needs for Princeton Circle (front of buildings), Newton Street, Julian Way, Princeton Way, and Lowell Boulevard. Phase 3, a future request, will replace pavement, sidewalks, fire and domestic water lines, sanitary sewers, improve storm drainage and provide below grade conduits in concrete trenches for communication and security needs for Princeton Circle (rear of the buildings), the roadway serving the K Complex, as well as the road serving maintenance and storage buildings on the West side of the campus.

PROJECT FUNDING:

<b>Prior Phasing</b> (2002-108P01)		<b>Future Phasing</b>	
FY18/19 Ph 1 (CCF)	\$8,935,147	FY21/22 Ph 3	\$6,861,006
Funded To Date	<b>\$8,935,147</b>	Project Balance	<b>\$6,861,006</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 2 Capital Construction Fund (CCF)	<b>\$11,344,289</b>	Project Total	<b>\$27,140,442</b>





CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021

Ref. No. Level Funding Recommendation

23 2 Department of Health and Human Services

**HVAC Replacement, 4 Buildings, CMHIP Campus, Ph 1 of 3**

**\$3,896,460**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This capital renewal project is for phase 1 of a 3-phase project to upgrade and replace old HVAC systems in 4 patient care facilities at the Colorado Mental Health Institute at Pueblo (CMHIP).

HVAC systems at numerous CMHIP facilities, including buildings 115 (RM # HSSH2886), 116 (RM # HSSH2887), 121 (RM # HSSH2892), and 125 (RM # HSSH2895), have reached or exceeded their useful life spans (the newest system is 27 years old). Program and patients use all four buildings: buildings 115, 116 and 121 house patient care units for MHI, and building 125 houses treatment and medical space for MHI patients. Because the existing air-handling units and support systems have exceeded their useful lives, the result is intensified maintenance costs and increased system failures. Phase 1 would address all the professional design services required for the work at four buildings. Phase 2 would address abatement and construction at Building 115, 116 and 121. Phase 3 would address abatement and construction at Building 125.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
		FY21/22 Ph 2	\$20,242,904
		FY22/23 Ph 3	\$20,122,717
Funded To Date	<b>\$0</b>	Project Balance	<b>\$40,365,621</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 Capital Construction Fund (CCF)	<b>\$3,896,460</b>	Project Total	<b>\$44,262,081</b>



**CAPITAL CONSTRUCTION / CAPITAL RENEWAL PROJECT REQUEST DESCRIPTIONS FOR FY 2020/2021**

Ref. No. Level

Funding Recommendation

24 3 Department of Corrections

**Shower and Toilet Room Improvements, Arkansas Valley Correctional Facility, Ph 1 of 1 \$10,831,749**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

This new Capital Renewal Request will upgrade the Arkansas Valley Correctional Facility (AVCF) plumbing fixtures within Cellhouse Units 1-4 (RM# COOR-0910) and Cellhouse Units 5-6 (RM# COOR-2169).

AVCF is a level 3 medium security facility with the capacity for 1,056 offenders. Maintenance staff report 3 to 5 shower blockages daily and continuous grout repairs at all showers are required constantly due to excess humidity and offender degradation. In addition, the existing plumbing fixtures are vitreous china type; non-vandal proof fixtures when damaged or fragmented have the potential to become weapons posing a risk to correctional facility staff or other inmates. Additionally, the ratio of toilets and sinks is less than a typical Security Level 3 facility; the ratio of fixture to offender does not meet State of Colorado penal code, State of Colorado Department of Health and Environment, or International Building and Plumbing Code requirements as adopted by the State of Colorado. All shower units, water closets, urinals, lavatories, piping, and ventilation systems within all living units would be replaced and brought up to ADA standards as part of this project.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$10,831,749	Project Total	\$10,831,749





Ref. No. Level

Funding Recommendation

25 3 Department of Corrections

**Aging Population Living Unit, Skyline Correctional Center, Ph 1 of 1**

**\$13,480,567**

PROJECT DESCRIPTION/SCOPE OF WORK:

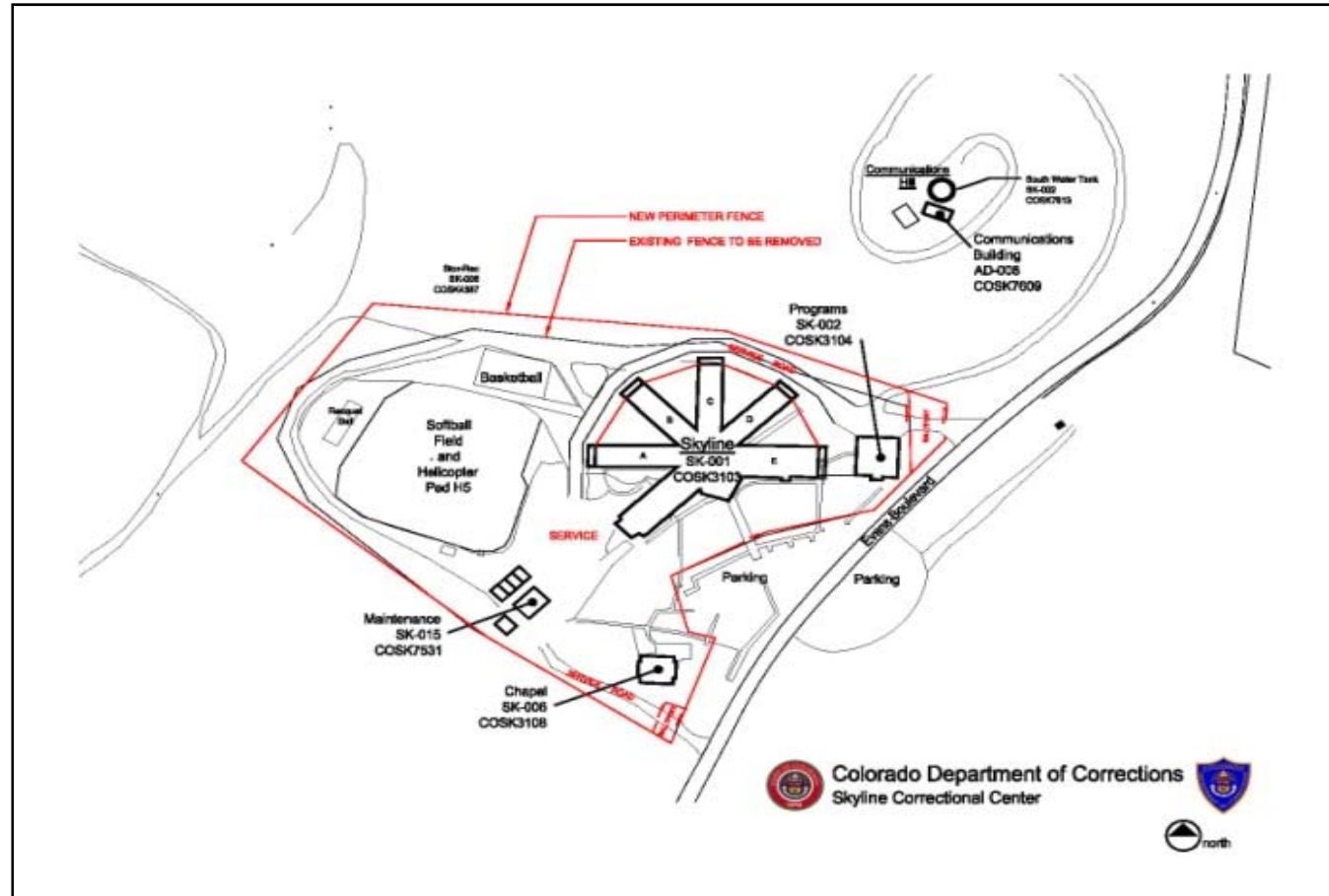
This Capital Construction Project Request is for the design and construction of an Aging Population Living Unit at the Skyline Correctional Center (SCC) located on the East Canon City Prison Complex (ECCPC).

This project is part of the Department's long-range operational plan for this offender demographic population. This project allows the Department to consolidate essential medical services for geriatric offenders including dementia offenders, and the special needs offenders into one facility with staffing levels matched to the required services. It will entail changing the security level from Level 1 to Level 2 by constructing a perimeter fence and other security features and the remodel of SCC Office/Inmate Dorm/Food Service (RM# COSK3103), Programs (Modular A) (RM# COSK3104), and the Chapel (RM# COSK 3108) to accommodate an aging population this project will reduce the beds from 252 to 122.

The scope of work includes: new perimeter fencing, hazardous material abatement; accessibility modifications to rooms, showers and toilets; exterior window replacement; elevator and equipment room installation; library and nurse station renovation; mechanical and electrical system upgrades; nurse call station and a standby generator replacement.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$13,480,567	Project Total	\$13,480,567



Ref. No.	Level	Funding Recommendation
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26            3            Department of Corrections

## Perimeter Security Improvements, Delta Correctional, Phase 1 of 1

**\$7,719,602**

**PROJECT DESCRIPTION/SCOPE OF WORK:**

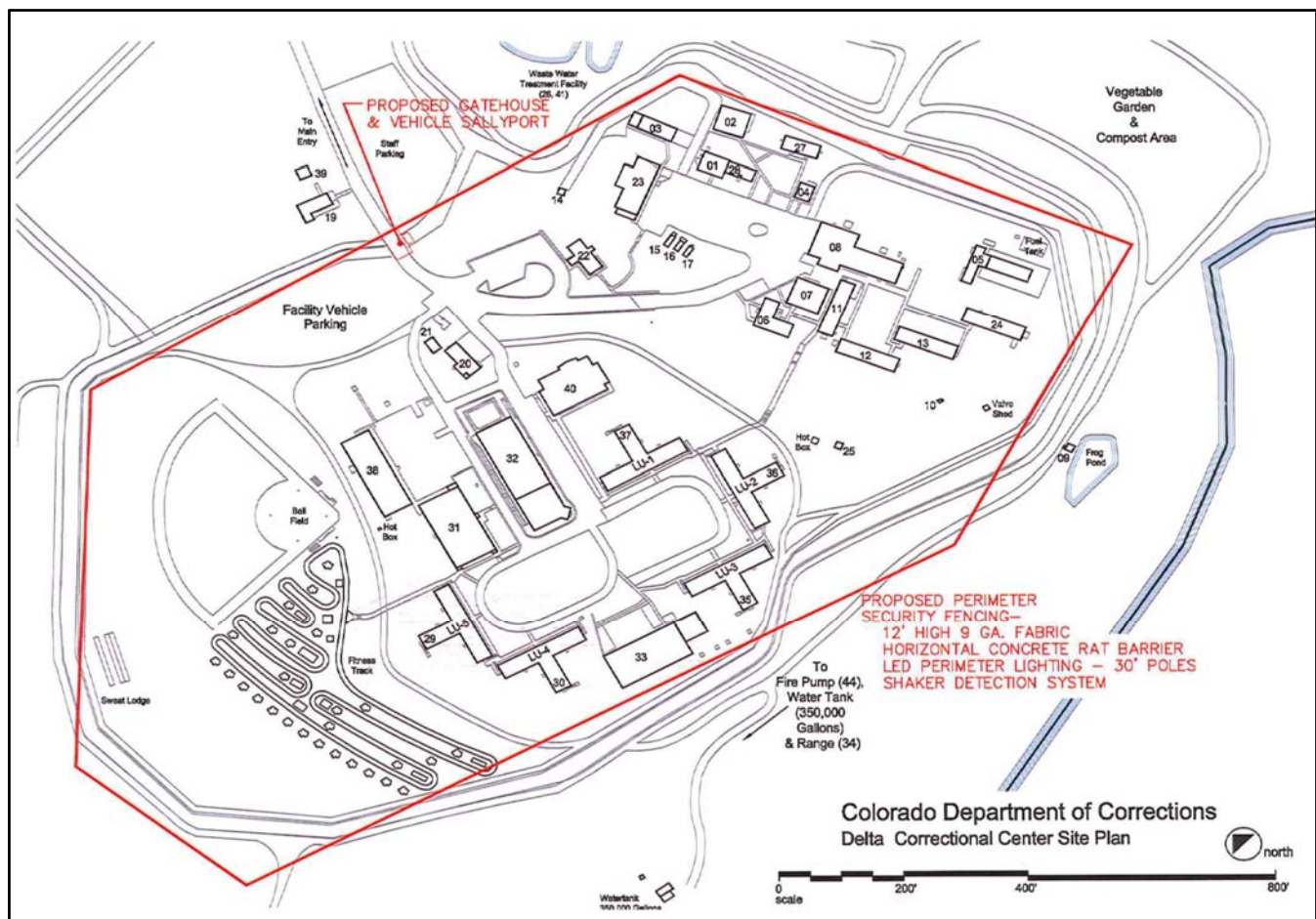
This new capital renewal request will add a secure perimeter to the Delta Correctional Facility (DCC) in Delta Colorado.

The Department of Corrections is seeking to have legislation introduced to change the Delta Correctional Facility from a Level 1 to a Level 2 minimum restricted facility. This change will enable the department to place both minimum and minimum restricted offenders within the DCC. Minimum restricted offenders that are currently housed in a Level 3 or higher could then be placed in the DCC and free up beds at those higher level facilities.

In order to make this change, the current facility will require 4800 feet of a single twelve foot high security fence with detection and perimeter lighting. The existing perimeter road would be graded and extended with road base to offer clear line of site and access around the perimeter fence. A gatehouse would be added and would include cameras, a toilet, and secured storage for weapons. Finally, a stand-by generator with a transfer switch would be included to accommodate the additional load.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 Capital Construction Fund (CCF)	\$7,719,602	Project Total	\$7,719,602



## ANNUAL REPORT, SECTION II: RECOMMENDATIONS

## C. STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION: FUNDING RECOMMENDATIONS

Listed on the following pages, by level, reference number, score, project title and dollar amount are the prioritized controlled maintenance project request funding recommendations FY 2020/21 for current-year project requests totaling of **\$111,812,501**. These recommendations are submitted as the *state's controlled maintenance budget request* as required by Section 24-30-1303 (1) (t) (II) C.R.S, to the Governor's Office of State Planning and Budgeting and the Capital Development Committee. The Office of the State Architect prepares the prioritized list based on site verification visits to observe the general condition of the agency/institution's building inventory, assess the status of on-going construction projects and visually inspect and evaluate each current-year project request and associated out-year project phase as part of their five-year plan.

The chart below summarizes by priority level, quantity and dollar amount the **\$111,812,501** of current-year project requests and also lists for further consideration an additional **\$59,593,678** of associated out-year project request balances by project phase, for a total of **\$171,406,179**, (Refer to Section II - D for project details.)

Priority	Quantity		Current-year project requests/Out-year project phases	\$ Amount	
<u>Level 1*</u>	31	7	Current-year project requests	\$29,977,955	
			Out-year project phases		\$6,164,581
<u>Level 2**</u>	61	20	Current year project requests	\$53,986,845	
			Out-year project phases		\$34,336,814
<u>Level 3***</u>	32	13	Current-year project requests	\$27,847,701	
			Out-year project phases		\$19,092,283
Sub Total	125	40	Current-year project requests	\$111,812,501	
			Out-year project phases		\$59,593,678

\***Level 1** incorporates critical projects that are predominantly *life safety and/or loss of use* (the later resulting from equipment/system failure and/or lack of compliance with codes, standards and accreditation requirements) and includes the *Emergency Fund* for unanticipated circumstances.

\*\***Level 2** incorporates projects that are predominantly causing *operational disruptions/energy inefficiencies* and/or *environmental contamination*.

\*\*\***Level 3** incorporates projects that predominantly contain differing levels of *deterioration* such as roofs, roads and sidewalks.

Although the annual controlled maintenance budget request has been comprised of three levels of project priorities intended to address the overall condition of the state's building inventory, various downturns in the economy over the last twenty years have led to inconsistent and limited funding only for Level 1 and sometimes a portion of Level 2. The result of not having sufficient funds for all three levels annually has caused, for example, roofing projects that were originally categorized in Level 3, to now increase in criticality to Level 2 and eventually Level 1 due to continued deterioration over time.





**OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION  
ANNUAL REPORT, SECTION II - C: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION  
CONTROLLED MAINTENANCE PROJECT FUNDING RECOMMENDATIONS FOR FY 2020/2021**

December 2019

Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
<b>LEVEL 1</b>						
1	1	Department of Personnel & Administration - Office of the State Architect <b>Emergency Fund</b>		<b>\$2,043,768</b>	\$0	\$2,043,768
2	4	Department of Corrections <b>Suppression Systems Improvements, CCF, Ph 2 of 2</b>	2015-127M16	<b>\$1,363,635</b>	\$0	\$3,407,403
3	4	Department of Human Services <b>Repair/Replace Fire Protection Systems, GYSC and LMYSC, Ph 3 of 3</b>	2019-035M18	<b>\$1,199,450</b>	\$0	\$4,606,853
4	4	University of Colorado Boulder <b>Replace Campus Fire Alarm Control Panels, Ph 3 of 3</b>	2019-025M18	<b>\$1,202,798</b>	\$0	\$5,809,651
5	5	Department of Corrections <b>Replace Fire/Smoke Dampers, DWCF, Ph 1 of 1</b>		<b>\$1,415,825</b>	\$0	\$7,225,476
6	5	Colorado State University <b>Fire Alarm Upgrade, VTH, Ph 1 of 1</b>		<b>\$635,428</b>	\$0	\$7,860,904
7	5	Auraria Higher Education Center <b>Replace Fire Alarm System, King Center, Ph 1 of 1</b>		<b>\$1,554,699</b>	\$0	\$9,415,603
8	5	Colorado Community College System at Lowry <b>Upgrade Security Systems, Campus, Ph 3 of 3</b>	2019-040M18	<b>\$522,579</b>	\$0	\$9,938,182
9	5	University of Colorado Boulder <b>Update Classroom Security, Various Sites, Ph 1 of 3</b>		<b>\$1,310,703</b>	\$2,113,387	\$11,248,885
10	6	Red Rocks Community College <b>Install Fire Sprinkler Lines and Upgrade Fire Alarm System, Main Building, Ph 2 of 2</b>	2020-072M19	<b>\$1,508,981</b>	\$0	\$12,757,866
11	6	Colorado School of Mines <b>Upgrade Fire Alarm Mass Notification System, Ph 3 of 4</b>	2019-027M18	<b>\$451,470</b>	\$481,564	\$13,209,336
12	6	Department of Public Safety <b>Install Fire Suppression System, State Patrol Academy, Ph 1 of 1</b>		<b>\$825,537</b>	\$0	\$14,034,873
13	6	Department of Agriculture - Colorado State Fair <b>Install Fire Suppression, Accessibility Upgrade, Palace of Agriculture, Ph 1 of 1</b>		<b>\$739,797</b>	\$0	\$14,774,670
14	6	University of Northern Colorado <b>Fire Sprinklers, Michener Building, Ph 1 of 2</b>		<b>\$1,281,079</b>	\$785,178	\$16,055,749
15	6	Community College of Aurora <b>Upgrade Site Security, Interior and Exterior, Ph 1 of 2</b>		<b>\$767,576</b>	\$751,244	\$16,823,325
16	6	Department of Local Affairs - Fort Lyon <b>Improve Life Safety and Code, Multiple Buildings, Ph 1 of 2</b>		<b>\$613,965</b>	\$485,491	\$17,437,290
17	6	Lamar Community College <b>Upgrade Building Door Access Control and Campus Safety, Ph 2 of 2</b>	2019-046M19	<b>\$1,329,414</b>	\$0	\$18,766,704
18	6	Colorado State University <b>Replace Electric Service to ERC, Foothills Campus, Ph 1 of 2</b>		<b>\$620,364</b>	\$522,914	\$19,387,068

\*Refer to Section II – D: for current, prior and future project / phase details

**OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION  
ANNUAL REPORT, SECTION II - C: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION  
CONTROLLED MAINTENANCE PROJECT FUNDING RECOMMENDATIONS FOR FY 2020/2021**

December 2019

Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
19	8	Otero Junior College <b>Upgrade Fire Safety, Egress, and Exit Paths, McDivitt Center, Ph 1 of 1</b>		<b>\$1,050,000</b>	\$0	\$20,437,068
20	8	Colorado School of Mines <b>Campus Steam Branch Repairs, Ph 4 of 4</b>	2014-070M14	<b>\$357,915</b>	\$0	\$20,794,983
21	8	Colorado Mesa University <b>Replace Sewer Drain System, Lowell Heiny Hall, Ph 1 of 1</b>		<b>\$65,000</b>	\$0	\$20,859,983
22	10	Department of Human Services <b>Upgrade Fire Sprinkler Systems, SCYSC, Ph 1 of 1</b>		<b>\$713,639</b>	\$0	\$21,573,622
23	10	Fort Lewis College <b>Replace North Campus Heating and Cooling Line, Ph 2 of 2</b>	2019-057M19	<b>\$866,335</b>	\$0	\$22,439,957
24	10	Pikes Peak Community College <b>Replace Sewer Vent Pipes and Upgrade, Restrooms Centennial Campus, Ph 2 of 2</b>	2020-081M19	<b>\$639,571</b>	\$0	\$23,079,528
25	10	Trinidad State Junior College <b>Upgrade HVAC Air Quality and Building Safety, Alamosa Campus, Ph 2 of 2</b>	2020-077M19	<b>\$1,243,544</b>	\$0	\$24,323,072
26	10	Pueblo Community College <b>Replace Roof, Main Building, Southwest Campus, Ph 2 of 2</b>	2019-058M19	<b>\$697,439</b>	\$0	\$25,020,511
27	10	University of Colorado Colorado Springs <b>Replace Roof, El Pomar, Kraemer Family Library, Ph 1 of 1</b>		<b>\$1,987,486</b>	\$0	\$27,007,997
28	10	Colorado State University <b>Roof Replacement, Clark A Wing, Ph 1 of 1</b>		<b>\$871,841</b>	\$0	\$27,879,838
29	10	Western Colorado University <b>Accessibility Improvements, Exterior Campus, Ph 1 of 2</b>		<b>\$353,272</b>	\$1,024,803	\$28,233,110
30	10	Front Range Community College <b>Replace Mechanical System and Update Controls, Harmony Library, Larimer Campus, Ph 1 of 1</b>		<b>\$782,603</b>	\$0	\$29,015,713
31	10	Department of Personnel & Administration - Division of Capital Assets <b>Refurbish Freight Elevator and Replace Electrical Switch Gear, Centennial Building, Ph 1 of 1</b>		<b>\$962,242</b>	\$0	\$29,977,955
<b>Level 1 Totals: \$29,977,955</b>				<b>\$6,164,581</b>		

**Cumulative Current-Year Project Requests: \$29,977,955**

**Cumulative Out-Year Project \$6,164,581**

\*Refer to Section II – D: for current, prior and future project / phase details



**OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION  
ANNUAL REPORT, SECTION II - C: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION  
CONTROLLED MAINTENANCE PROJECT FUNDING RECOMMENDATIONS FOR FY 2020/2021**

December 2019

Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
<b>LEVEL 2</b>						
32	12	Colorado State University - Pueblo <b>Replacement/Upgrade of Building Fire Alarm Equipment, Campus, Ph 1 of 3</b>		<b>\$1,056,667</b>	\$2,113,334	\$31,034,622
33	12	Auraria Higher Education Center <b>Provide ADA walkways, Curtis and Champa Streets and Classroom Courtyard, Ph 1 of 2</b>		<b>\$1,064,015</b>	\$596,493	\$32,098,637
34	12	Colorado State University <b>ADA Accessibility Improvements, Ph 1 of 1</b>		<b>\$363,329</b>	\$0	\$32,461,966
35	12	Department of Corrections <b>Improve Accessibility, FCF, Ph 2 of 5</b>	2020-086M19	<b>\$1,924,406</b>	\$4,883,445	\$34,386,372
36	12	Red Rocks Community College <b>Refurbish West Wing Elevator, Lakewood Campus, Ph 1 of 1</b>		<b>\$272,483</b>	\$0	\$34,658,855
37	12	Colorado State University - Pueblo <b>Refurbish Elevators, Upgrade ADA Compliance, Three Buildings, Ph 1 of 1</b>		<b>\$795,453</b>	\$0	\$35,454,308
38	12	Adams State University <b>Repair Electrical Distribution, Campus, Ph 1 of 3</b>		<b>\$1,661,534</b>	\$2,003,734	\$37,115,842
39	12	Department of Human Services <b>Refurbish HVAC Systems, B Building, CMHIFL, Ph 2 of 2</b>	2019-053M19	<b>\$920,666</b>	\$0	\$38,036,508
40	12	Arapahoe Community College <b>Replace HVAC Primary Equipment, Main Building, Ph 2 of 3</b>	2020-078M19	<b>\$1,816,915</b>	\$1,272,850	\$39,853,423
41	12	University of Colorado Denver <b>Replace Chiller, Fitzsimons Building, Ph 1 of 2</b>		<b>\$1,068,667</b>	\$1,572,825	\$40,922,090
42	12	Department of Personnel & Administration - Division of Capital Assets <b>Upgrade/Replace HVAC Systems, 690 and 700 Kipling Buildings, Ph 1 of 2</b>		<b>\$1,368,850</b>	\$1,059,303	\$42,290,940
43	12	Department of Public Health and Environment <b>Replace Mechanical System, State Laboratory Building, Ph 1 of 1</b>		<b>\$1,432,580</b>	\$0	\$43,723,520
44	12	University of Northern Colorado <b>Replacement Chiller, Michener, Ph 1 of 1</b>		<b>\$548,651</b>	\$0	\$44,272,171
45	12	Department of Military and Veterans Affairs <b>Site Flood Mitigation, Building Envelope Repairs, Watkins Readiness Center, Ph 3 of 3</b>	2017-037M16	<b>\$378,540</b>	\$0	\$44,650,711
46	12	Colorado State University - Pueblo <b>Replace Campus Water Lines, Ph 2 of 3</b>	2020-087M19	<b>\$919,809</b>	\$919,809	\$45,570,520
47	12	History Colorado <b>Replace Roofs, Santa Fe Trail Museum and Baca House, Ph 1 of 1</b>		<b>\$218,809</b>	\$0	\$45,789,329
48	12	Colorado Northwestern Community College <b>Replace Roof, Windows, Blakeslee and Allsebrooke Buildings, Rangely Campus, Ph 1 of 1</b>		<b>\$416,826</b>	\$0	\$46,206,155

\*Refer to Section II – D: for current, prior and future project / phase details

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Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
49	14	History Colorado <b>Fire Mitigation, Georgetown Railway Loop, Area C, Ph 2 of 3</b>	2020-075M19	<b>\$517,791</b>	\$537,571	\$46,723,946
50	14	Department of Human Services <b>ADA Accessibility Improvements, DYS, Ph 1 of 1</b>		<b>\$150,044</b>	\$0	\$46,873,990
51	14	Department of Personnel & Administration - State Capitol Building <b>Replace Short Tunnel Roof, Capitol Building, Ph 1 of 1</b>		<b>\$1,949,130</b>	\$0	\$48,823,120
52	14	Pikes Peak Community College <b>Electrical Infrastructure Improvement &amp; Emergency Generators, Downtown Studio, Ph 1 of 1</b>		<b>\$1,168,091</b>	\$0	\$49,991,211
53	14	University of Colorado Denver <b>Improve Heating System, Building 500, Ph 2 of 5</b>	2019-073M19	<b>\$782,607</b>	\$2,427,156	\$50,773,818
54	14	Department of Personnel & Administration - Division of Capital Assets <b>Repair East Perimeter Wall and Electrical Upgrades, Governor's Residence, Ph 1 of 1</b>		<b>\$400,000</b>	\$0	\$51,173,818
55	14	Department of Human Services <b>Refurbish HVAC and Mechanical Equipment, ZPYSC, PYSC, SCYSC, Ph 1 of 2</b>		<b>\$1,270,715</b>	\$1,022,743	\$52,444,533
56	14	Department of Education - Colorado Talking Book Library <b>Improve Site Drainage and Safety, Talking Book Library, Ph 1 of 1</b>		<b>\$529,444</b>	\$0	\$52,973,977
57	14	Colorado State University <b>Replacement Domestic Water Line, East Drive, Ph 1 of 1</b>		<b>\$484,745</b>	\$0	\$53,458,722
58	14	Colorado Mesa University <b>Improve Building Envelope, AEC and Wubben/Science Buildings, Ph 1 of 1</b>		<b>\$466,326</b>	\$0	\$53,925,048
59	14	Department of Military and Veterans Affairs <b>Replace Roof and Fire Alarm Systems, BAFB Building 1500, Ph 1 of 1</b>		<b>\$577,655</b>	\$0	\$54,502,703
60	14	Department of Education - Colorado School for the Deaf and Blind <b>Roof Replacements, West and Argo Halls, Ph 1 of 2</b>		<b>\$614,892</b>	\$1,324,423	\$55,117,595
61	15	Department of Corrections <b>Roof Replacement, Administration Building, CTCF, Ph 1 of 1</b>		<b>\$1,012,323</b>	\$0	\$56,129,918
62	16	Department of Personnel & Administration - 1881 Pierce <b>Restroom Modernization, Ph 1 of 1</b>		<b>\$1,058,963</b>	\$0	\$57,188,881
63	16	Colorado State University <b>Repair C Basin Sanitary Sewer Outfall, Ph 1 of 1</b>		<b>\$497,127</b>	\$0	\$57,686,008
64	16	Department of Corrections <b>Improve Door Security, Cellhouse 3, CTCF, Ph 1 of 1</b>		<b>\$1,632,874</b>	\$0	\$59,318,882
65	16	Colorado School of Mines <b>Upgrade Fire Alarm Mass Notification System, Ph 4 of 4</b>	2019-027M18	<b>\$481,564</b>	\$0	\$59,800,446
66	16	Colorado Community College System at Lowry <b>Replace HVAC Equipment, Building 999, Ph 1 of 1</b>		<b>\$1,047,804</b>	\$0	\$60,848,250
67	16	Department of Corrections <b>Improve Door Security, Lower North, BVCF, Ph 1 of 4</b>		<b>\$1,521,748</b>	\$4,565,244	\$62,369,998

\*Refer to Section II – D: for current, prior and future project / phase details

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Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
68	16	Department of Local Affairs - Fort Lyon <b>Replace Chiller, Building 5, Ph 1 of 1</b>		<b>\$212,946</b>	\$0	\$62,582,944
69	16	Colorado School of Mines <b>Replacement of Hazardous Laboratory Exhaust Fans, Campus, Ph 1 of 3</b>		<b>\$480,208</b>	\$2,119,860	\$63,063,152
70	16	Colorado State University <b>Replace Roof, B Wing, Engineering Building, Ph 1 of 1</b>		<b>\$518,166</b>	\$0	\$63,581,318
71	16	Northeastern Junior College <b>Knowles Hall Roof and East Entrance Replacement, Ph 1 of 1</b>		<b>\$646,819</b>	\$0	\$64,228,137
72	16	Trinidad State Junior College <b>Roof Replacement, Mullen Building, Ph 1 of 1</b>		<b>\$303,061</b>	\$0	\$64,531,198
73	16	Front Range Community College <b>Replace Harmony Library Roof, Larimer Campus, Ph 1 of 1</b>		<b>\$468,802</b>	\$0	\$65,000,000
74	18	Fort Lewis College <b>Replace Fire Alarm Equipment, Multiple Buildings, Ph 1 of 2</b>		<b>\$1,125,504</b>	\$1,104,414	\$66,125,504
75	18	Auraria Higher Education Center <b>Replace Main Electrical Switchgear, Campus, Ph 1 of 1</b>		<b>\$1,203,199</b>	\$0	\$67,328,703
76	18	Colorado State University <b>Refurbish Water Wells, Pumps, Ditches, ARDEC, Ph 1 of 1</b>		<b>\$1,048,555</b>	\$0	\$68,377,258
77	18	Department of Human Services <b>Refurbish Ash Conveyor System, Heat Plant, CMHIP, Ph 1 of 2</b>		<b>\$1,578,173</b>	\$1,470,037	\$69,955,431
78	18	Department of Education - Colorado School for the Deaf and Blind <b>Upgrade HVAC, ADA, Electrical, Early Education Center, Ph 1 of 1</b>		<b>\$1,091,935</b>	\$0	\$71,047,366
79	18	Lamar Community College <b>Campus Accessibility Compliance, Ph 1 of 1</b>		<b>\$650,000</b>	\$0	\$71,697,366
80	18	Community College of Aurora <b>Roof Replacement, Administration Building, Ph 1 of 1</b>		<b>\$434,240</b>	\$0	\$72,131,606
81	18	Front Range Community College <b>Replace Mechanical System and Update Controls, Challenger Point, Larimer Campus, Ph 1 of 1</b>		<b>\$995,805</b>	\$0	\$73,127,411
82	18	Department of Human Services <b>Replace Roofs, Five Buildings, CMHIFL, Ph 1 of 2</b>		<b>\$1,143,240</b>	\$1,220,991	\$74,270,651
83	20	Colorado Community College System at Lowry <b>Upgrade HVAC System, Building 905, Ph 1 of 1</b>		<b>\$1,992,187</b>	\$0	\$76,262,838
84	20	Western Colorado University <b>Upgrade HVAC Systems, Academic Buildings, Ph 1 of 1</b>		<b>\$884,785</b>	\$0	\$77,147,623
85	20	Department of Public Health and Environment <b>Replace Emergency Generator, Argo Water Treatment Facility, Ph 1 of 1</b>		<b>\$376,200</b>	\$0	\$77,523,823
86	20	Department of Human Services <b>Replace Hydronic Valves, Southern District, Ph 1 of 2</b>		<b>\$720,887</b>	\$831,383	\$78,244,710

\*Refer to Section II – D: for current, prior and future project / phase details

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Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
87	20	History Colorado <b>Install Geothermal Heat System, Officer's Quarters, Ft. Garland, Ph 1 of 1</b>		<b>\$485,084</b>	\$0	\$78,729,794
88	20	University of Colorado Colorado Springs <b>Replace AHU and Return Air System, Columbine Hall, Ph 1 of 1</b>		<b>\$562,722</b>	\$0	\$79,292,516
89	20	Department of Human Services <b>Upgrade Interiors Group Home, Ph 1 of 3</b>		<b>\$1,017,206</b>	\$2,034,412	\$80,309,722
90	20	Morgan Community College <b>Replace Campus Irrigation System, Ph 1 of 1</b>		<b>\$1,007,050</b>	\$0	\$81,316,772
91	20	Otero Junior College <b>Abate Asbestos, Safety Upgrade, Humanities Center, Ph 1 of 1</b>		<b>\$1,400,000</b>	\$0	\$82,716,772
92	20	Colorado State University - Pueblo <b>Replace Roof and Structure, Buell Communication Center, Ph 1 of 1</b>		<b>\$639,166</b>	\$0	\$83,355,938
93	20	Department of Human Services <b>Refurbish HVAC Systems, PVYSC, MFYSC, DYSC, Ph 1 of 3</b>		<b>\$608,862</b>	\$1,256,787	\$83,964,800
<b>Level 2</b>				<b>Totals: \$53,986,845</b>	<b>\$34,336,814</b>	

**Cumulative Current-Year Project Requests: \$83,964,800**

**Cumulative Out-Year Project \$40,501,395**

\*Refer to Section II – D: for current, prior and future project / phase details



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Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
<b>LEVEL 3</b>						
94	21	Trinidad State Junior College <b>Install Card Access and Update Door Hardware, Ph 1 of 1</b>		<b>\$159,738</b>	\$0	\$84,124,538
95	21	Pikes Peak Community College <b>Improve Electrical Infrastructure, Rampart Range Campus, Ph 1 of 1</b>		<b>\$943,616</b>	\$0	\$85,068,154
96	21	Auraria Higher Education Center <b>Replace Transformers at North Chiller and PE Events Center, Ph 1 of 2</b>		<b>\$241,794</b>	\$494,231	\$85,309,948
97	21	Department of Corrections <b>Roof Replacement, Program and Support Buildings, TCF, Ph 1 of 1</b>		<b>\$1,747,429</b>	\$0	\$87,057,377
98	21	Fort Lewis College <b>Replace Roof, Aquatic Center, Ph 1 of 1</b>		<b>\$671,229</b>	\$0	\$87,728,606
99	21	Department of Human Services <b>Repair/Replace Roofs, 16 buildings at MVYSC, GYSC, Ph 1 of 3</b>		<b>\$1,662,168</b>	\$2,210,394	\$89,390,774
100	21	University of Colorado Colorado Springs <b>Replace Roof, Columbine Hall, Ph 1 of 2</b>		<b>\$833,804</b>	\$328,801	\$90,224,578
101	21	Department of Corrections <b>Replace Roof, Support Building, DWCF, Ph 1 of 1</b>		<b>\$1,866,309</b>	\$0	\$92,090,887
102	24	Colorado State University <b>Upgrade Campus Exterior Lighting, Ph 1 of 1</b>		<b>\$557,839</b>	\$0	\$92,648,726
103	24	University of Colorado Denver <b>Bathroom Modernization, Fitzsimons Building, Ph 1 of 3</b>		<b>\$924,659</b>	\$1,797,133	\$93,573,385
104	24	Department of Human Services <b>Replace Flooring, Five Buildings, CMHIFL, Ph 1 of 2</b>		<b>\$900,913</b>	\$992,656	\$94,474,298
105	24	University of Colorado Boulder <b>Refurbish Elevators, Six Buildings, Ph 1 of 3</b>		<b>\$862,034</b>	\$3,663,617	\$95,336,332
106	24	Department of Corrections <b>Replace Roof, Minimum Living Unit, SCF, Ph 1 of 2</b>		<b>\$970,586</b>	\$1,112,430	\$96,306,918
107	24	University of Northern Colorado <b>Replace Roof, Arts Annex, Ross, and Skinner, Ph 1 of 1</b>		<b>\$316,430</b>	\$0	\$96,623,348
108	24	Colorado Mesa University <b>Replace Roof, Wubben/Science Building, Ph 1 of 1</b>		<b>\$286,643</b>	\$0	\$96,909,991
109	27	Department of Human Services <b>Replace Gym Floors, DYS, Ph 1 of 2</b>		<b>\$1,632,952</b>	\$716,623	\$98,542,943
110	28	Colorado School of Mines <b>Remediate Campus Fall Hazard, Ph 3 of 3</b>	2019-037M18	<b>\$488,879</b>	\$0	\$99,031,822
111	28	Colorado Mesa University <b>Refurbish HVAC and Control Systems, Moss Performing Arts, Ph 1 of 2</b>		<b>\$1,959,076</b>	\$1,770,924	\$100,990,898
112	28	Department of Local Affairs - Fort Lyon <b>Emergency Generators, Buildings 6 and 8, Ph 1 of 1</b>		<b>\$600,000</b>	\$0	\$101,590,898
113	28	Office of the Governor - Office of Information Technology <b>Replace Microwave Communications Site Shelters, Ph 1 of 2</b>		<b>\$1,192,156</b>	\$998,140	\$102,783,054

\*Refer to Section II – D: for current, prior and future project / phase details

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Ref No.	Agency Score	Project Title, Phase	Project M#	CURRENT- YEAR* Project Recommendations	OUT-YEAR* Project Balance	Cumulative Total of Projects
114	28	Colorado Community College System at Lowry <b>Replace Windows and Doors, Building 905, Ph 1 of 1</b>		<b>\$799,870</b>	\$0	\$103,582,924
115	28	Colorado Mesa University <b>Replace Roof, WCCC Building A, Ph 1 of 1</b>		<b>\$342,958</b>	\$0	\$103,925,882
116	30	Lamar Community College <b>Replace Pumps, Controls, Valves, Campus Irrigation System, Ph 1 of 1</b>		<b>\$225,000</b>	\$0	\$104,150,882
117	30	Colorado Northwestern Community College <b>Repair/Replacement of Parking Lots and Adjacent Sidewalks, Rangely Campus, Ph 1 of 1</b>		<b>\$719,607</b>	\$0	\$104,870,489
118	30	University of Colorado Colorado Springs <b>Refurbish Campus Elevators, 6 Buildings, Ph 1 of 3</b>		<b>\$238,465</b>	\$822,784	\$105,108,954
119	36	Department of Military and Veterans Affairs <b>Replace Pavement and Upgrade Security Lighting, BAFB Aviation Readiness Center, Ph 1 of 2</b>		<b>\$795,339</b>	\$673,662	\$105,904,293
120	36	History Colorado <b>Paint High Bridge, Georgetown Mining and Railroad Park, Ph 1 of 1</b>		<b>\$684,479</b>	\$0	\$106,588,772
121	42	Department of Local Affairs - Fort Lyon <b>Refurbish Water Tower, Ph 1 of 1</b>		<b>\$136,187</b>	\$0	\$106,724,959
122	42	Colorado State University - Pueblo <b>Repair Roof, Physical and Heat Plant, Ph 1 of 1</b>		<b>\$761,794</b>	\$0	\$107,486,753
123	48	Front Range Community College <b>Roof Replacement, North Roof Section, Westminster Campus, Ph 1 of 1</b>		<b>\$1,795,886</b>	\$0	\$109,282,639
124	48	Department of Human Services <b>Refurbish Secondary and Emergency Electrical Systems, Tier 1, CMHIP, Ph 1 of 3</b>		<b>\$1,652,056</b>	\$3,510,888	\$110,934,695
125	48	Office of the Governor - Office of Information Technology <b>Replace Microwave Site Shelter Roofs, 13 Sites, Ph 1 of 1</b>		<b>\$877,806</b>	\$0	\$111,812,501
<b>Level 3 Totals:</b>				<b>\$27,847,701</b>	<b>\$19,092,283</b>	

**Cumulative Current-Year Project Requests:\$111,812,501**

**Cumulative Out-Year Project \$59,593,678**

**Grand Total of Current-Year Project Request and Out-Year Project Balance: \$171,406,179**

\*Refer to Section II – D: for current, prior and future project / phase details

**ANNUAL REPORT, SECTION II: RECOMMENDATIONS**

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**D. STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION: CONTROLLED MAINTENANCE PROJECT REQUEST DESCRIPTIONS**

The descriptions on the following pages provide a brief narrative of each recommended controlled maintenance project request and the corresponding name of the state agency or institution of higher education, the building or site, funding history and current funding request.

The reference number (**Ref. No.**) at the top left corner of each page corresponds to the reference number for each project request listed in the Prioritized Project Request Funding Recommendations in **SECTION II - C** for Controlled Maintenance. The (**Score**) refers to the project request's numerical ranking as assigned by the Office of the State Architect.





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Ref. No. Score

**Funding Recommendation**

1 1 Department of Personnel & Administration - Office of the State Architect

**Emergency Fund**

**\$2,043,768**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Emergency Fund is included annually in the Controlled Maintenance Budget Recommendations as priority number one.

The demands for these funds are on an as-needed basis throughout the fiscal year. (Please refer to Section III - I). The Office of the State Architect administers the fund to provide emergency funding for state agencies and institutions of higher education that own and maintain general funded and academic facilities. Project requests meeting the emergency criteria are immediate in nature and directly affect the health, safety and welfare of the public as well as day-to-day operations. (Specifically, project requests involving systems and fixed equipment critical to the function of a facility are eligible. Project requests involving movable equipment, furniture and fixtures related to the conduct of a program in a facility are not eligible for controlled maintenance emergency funding).

The table below lists the current and the last ten fiscal years of statewide controlled maintenance appropriations (including emergency funds) compared to the dollar amount of emergency funds, controlled maintenance transfers, and total amount of emergency fund project requests/expenditures. The Office of the State Architect proposes \$2,043,768 for the Emergency Fund in FY2020/21.

**PROJECT FUNDING:**

<b>Fiscal Year</b>	<b>CM Appro.</b>	<b>EM Appro. <sup>(2)</sup></b>	<b># of Projects</b>	<b>EM Fund <sup>(3)</sup></b>	<b>CM Transfers <sup>(4)</sup></b>	<b>Total Expend.</b>
FY 08/09	\$ 24.2 M	\$2,000,000	48	\$1,823,633	\$159,170	\$1,982,803
FY 09/10	\$ 10.1 M	\$2,000,000	55	\$1,482,514	\$912,843	\$2,395,357
FY 10/11	\$ 10.4 M	\$2,000,000	59	\$3,031,745	\$766,288	\$3,798,033
FY 11/12	\$ 31.1 M	\$2,000,000	46	\$2,043,114	\$853,900	\$2,897,014
FY 12/13	\$ 45.0 M	\$2,000,000	41	\$2,183,577	\$66,295	\$2,249,872
FY 13/14	\$ 47.2 M	\$2,000,000	48	\$2,321,745	\$615,003	\$2,936,748
FY 14/15	\$ 19.2 M	\$2,000,000	47	\$1,871,188	\$974,385	\$2,845,573
FY 15/16	\$ 26.1 M	\$2,000,000	29	\$2,526,312	\$561,407	\$3,087,718
FY 16/17	\$ 24.1 M	\$2,000,000	28	\$1,264,322	\$408,075	\$1,672,397
FY 17/18	\$ 30.8 M	\$3,000,000	43	\$2,271,001	\$364,222	\$2,635,223
FY 18/19	\$ 19.2 M	\$2,000,000	29	\$2,162,958	\$0	\$2,162,958
FY 19/20 <sup>(1)</sup>	\$ 54.6 M	\$2,110,216	16	\$964,549	\$0	\$964,549
<b>Totals</b>		<b>\$23,110,216</b>	<b>441</b>	<b>\$22,123,024</b>	<b>\$5,552,417</b>	<b>\$27,645,442</b>

(1) Dollars for FY 2019/2020 represent only a five-month time frame (7/01/2019 - 11/30/2019) compared to a twelve-month time frame for the ten previous fiscal years.

(2) Included in CM appropriation

(3) Annual dollars expended from the Emergency Fund including unexpended balances rolled forward from previous appropriations.

(4) Total dollars transferred from savings of completed agency/institution controlled maintenance projects to supplement the Emergency Fund for specific emergency projects.

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Ref. No. Score

**Funding Recommendation**

2 4 Department of Corrections

**Suppression Systems Improvements, CCF, Ph 2 of 2**

**\$1,363,635**

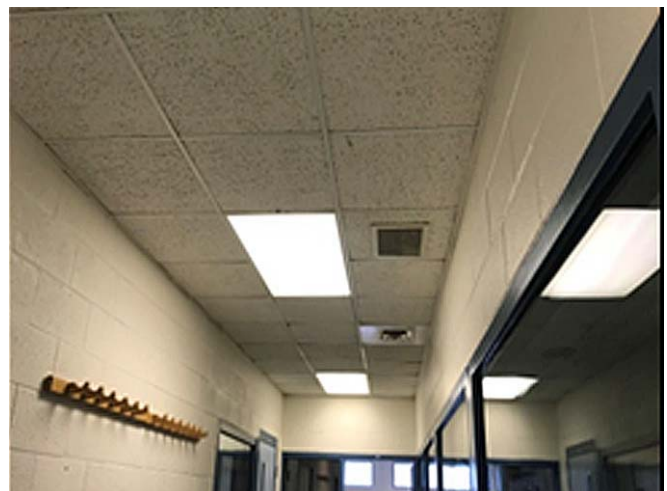
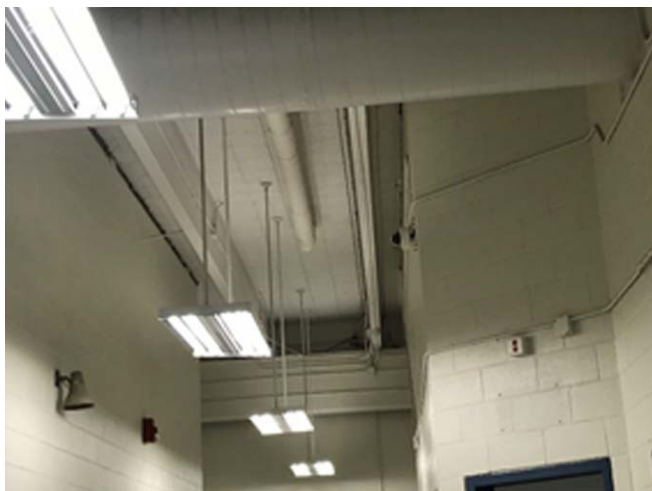
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Centennial Correctional Facility (CCF) North constructed in 1980, is a security level 4 and 5 facility with a capacity of 336 inmates. Per the 2015 IBC, an automatic sprinkler system is required throughout buildings at the Centennial Correctional Facility (CCF) North which contain a Group I occupancy. The work includes 650 sprinkler heads, piping, electrical service and the replacement of fire pumps and a diesel engine drive and controller which are over 22 years old. Also included is the re-piping to the existing Fire Pump room. Once completed, additional currently unusable rooms will become usable. All systems installed will be in accordance with NFPA 13.

Phase 1 replaced the fire sprinkler system in the Living Units. Phase 2 will design and install a fire protection system in the 65,550 sq. ft. Centennial North Office Building (COCE9999).

**PROJECT FUNDING:**

Prior Phasing 2015-127M16		Future Phasing	
FY16/17 Ph 1 - Housing Units	\$782,647	Project Balance	\$0
Funded To Date	\$782,647		
Current Phase		All Phases	
FY20/21 Ph 2 - Programs Admin Bldgs.	\$1,363,635	Project Total	\$2,146,282



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Ref. No. Score

**Funding Recommendation**

3 4 Department of Human Services

**Repair/Replace Fire Protection Systems, GYSC and LMYSC, Ph 3 of 3**

**\$1,199,450**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The youth services facilities house individuals under the age of 18 for rehabilitative purposes. This three-phase project is to replace head panels and upgrade the fire alarm detection and monitoring system at Lookout Mountain Youth Services Center (LMYSC) (pictured below) and Gilliam Youth Services Center (GYSC). These fire alarm systems at both LMYSC and GYSC date to original construction and are approximately 30 years old (with the exception of the head end panels at buildings 7, 9 and 13 on the LMYSC campus). The devices need to be replaced due to age, and replacement parts are now obsolete as well as difficult to maintain as the manufacturers no longer supply, support or repair them.

Phase 1 addressed head panels, alarm detection and monitoring systems at the following 11 facilities at LMYSC: NLM001 Residential (HSLO2937), NLM002 C2 Cottage (HSLO2933), NLM003 C3 Cottage (HSLO2934), NLM004 C4 Cottage (HSLO2935), NLM005 C5 Cottage (HSLO2936), NLM007 Residential Bldg. (HSLO2958), NLM008 Residential Bldg. (HSLO2938), NLM009 Residential Bldg. (HSLO2956), NLM013 Residential Bldg. (HSLO2957), NLM017 Dining (HSLO2959), and NLM0045 Intake (HSLO2955). Phase 2 addressed the same scope, but at the following 10 facilities at LMYSC: NLM015 Storage (HSLO0976), NLM016 Gym (HSLO0950), NLM031 Vocational Ed (HSLO0948), NLM034 Education Center (HSLO0945), NLM035 Vocational Ed (HSLO0946), NLM040 Admin (HSLO0940), NLM042 Pearl House (HSLO0943), NLM043 Chapel (HSLO0942), NLM044 Maint. (HSLO0951), NLM032 Boiler House (HSLO0947). Phase 3 will address the following 3 facilities at GYSC: NGY116 Support (HSGC2828), NGY117 Residence (HSGC2826), and NGY118 Boiler House (HSGC2827).

**PROJECT FUNDING:**

<b>Prior Phasing 2019-035M18</b>		<b>Future Phasing</b>	
FY18/19 Ph 1 - LMYSC (11 Buildings)	\$1,387,021		
FY19/20 Ph 2 - LMYSC (10 Buildings)	\$1,343,338		
Funded To Date	<b>\$2,730,359</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 3 - GYSC	<b>\$1,199,450</b>	Project Total	<b>\$3,929,809</b>





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4 4 University of Colorado Boulder

**Replace Campus Fire Alarm Control Panels, Ph 3 of 3**

**\$1,202,798**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

This multi-phase project will replace the oldest Simplex 4100-series fire alarm panels across campus. These panels were first introduced in 1988 and are well past their life expectancy. Having long since stopped being manufactured, replacement parts (particularly microprocessors and power supplies) are increasingly difficult to obtain. This can lead to buildings being unprotected for extended periods of time while waiting for parts on the secondhand market. In addition to replacing the control panels; field devices including smoke detectors, manual pull stations, and notification appliances will be replaced and relocated where necessary to meet current fire code and accessibility requirements.

Phase 1 included work in Ramaley Biology (UCB #370), Computer Center (UCB #579) and Porter (UCB #373N) buildings. Phase 2 included Duane (UCB #359), Mathematics (UCB #369) and Bruce Curtis (UCB #211) buildings. Phase 3 will include Muenzinger Psych/Biopsych (UCB #373S), Cristol Chemistry (UCB #224) and Environmental Design (UCB #344) buildings. Environmental Design is pictured below.

**PROJECT FUNDING:**

Prior Phasing 2019-025M18		Future Phasing	
FY18/19 Ph1 - Ramaley, Comp. & Porter	\$763,713		
FY19/20 Ph 2 - Duane, Math & Curtis	\$1,108,497		
Funded To Date	<b>\$1,872,210</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
FY20/21 Ph 3 - Muenzinger, Cristol & ED	<b>\$1,202,798</b>	Project Total	<b>\$3,075,008</b>





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**Funding Recommendation**

5 5 Department of Corrections

**Replace Fire/Smoke Dampers, DWCF, Ph 1 of 1**

**\$1,415,825**

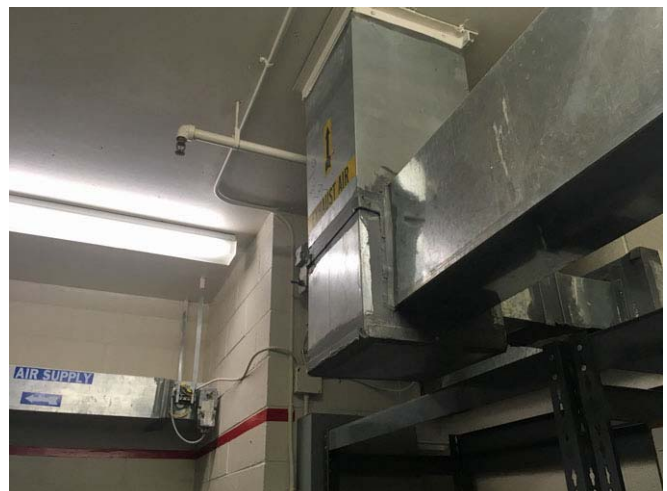
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Denver Women's Correctional Facility (DWCF) houses all five security levels for women with a capacity of 1008 offenders. A majority of the fire/smoke dampers tested fail to operate as required by code and thus put the occupants and staff within these living units at risk. The fire/smoke dampers are one component of the life safety system that were installed with the original construction in 1998 (Living Units 1 and 4) and 2001 (Living Units 2, 3, 5, and 6). The buildings were constructed over different years and in separate construction packages, thereby utilizing multiple manufacturers of dampers and actuators throughout the six living units.

This project will replace approximately 340 fire/smoke dampers at Living Units 1-6.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - DWCF	<b>\$1,415,825</b>	Project Total	<b>\$1,415,825</b>



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**Funding Recommendation**

6 5 Colorado State University

**Fire Alarm Upgrade, VTH, Ph 1 of 1**

**\$635,428**

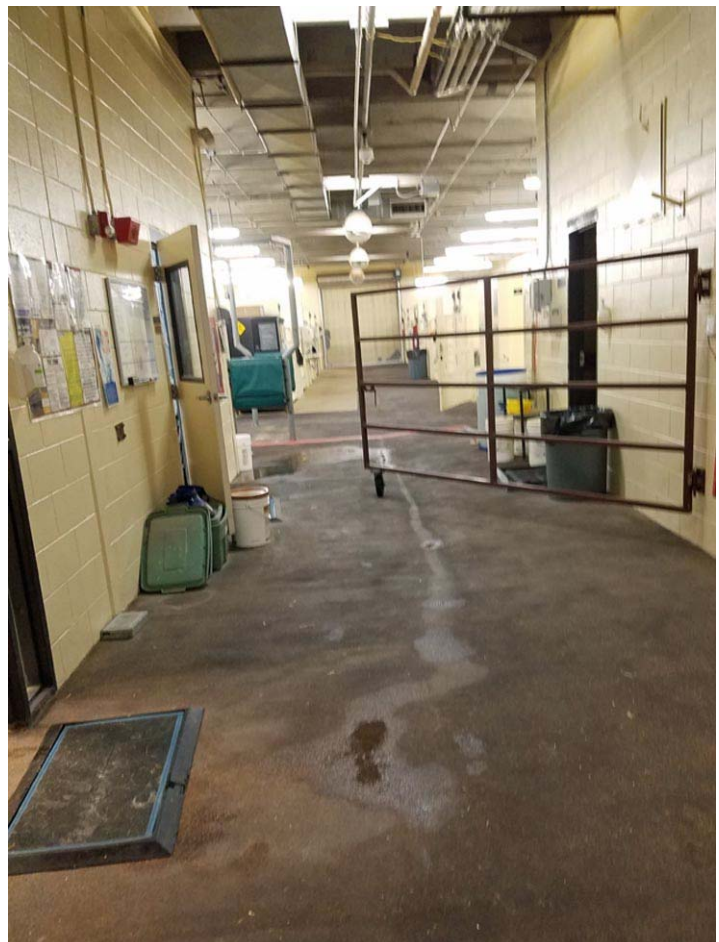
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The James L. Voss Veterinary Teaching Hospital (VTH) (CSU #3445) has been remodeled numerous times since its original construction in 1979. The remodeling projects have resulted in sporadic fire alarm notification in the building with multiple areas not able to hear the alarms. This building hosts community members, students, staff and clinicians, as well as animals ranging from mice to horses. Shelter-in-place areas such as surgery suites cannot always communicate with the outside because intercoms are failing and cell phone coverage is spotty. In addition, existing fire alarm horns are not conducive to the hearing requirements to the animals that visit this facility, creating a panic in our four-legged friends.

The project includes adding additional power supplies and amplifiers, resulting in full strobe and speaker coverage for the entire building per NFPA requirements. The speakers will produce tones and voice, which will help minimize disturbance to animals. This project also includes a new 2-way communication system for the shelter-in-place areas within the facility. The shelter-in-place areas are needed in case of a fire alarm during an ongoing surgery.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Voss VTH	\$635,428	Project Total	\$635,428





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**Funding Recommendation**

7 5 Auraria Higher Education Center

**Replace Fire Alarm System, King Center, Ph 1 of 1**

**\$1,554,699**

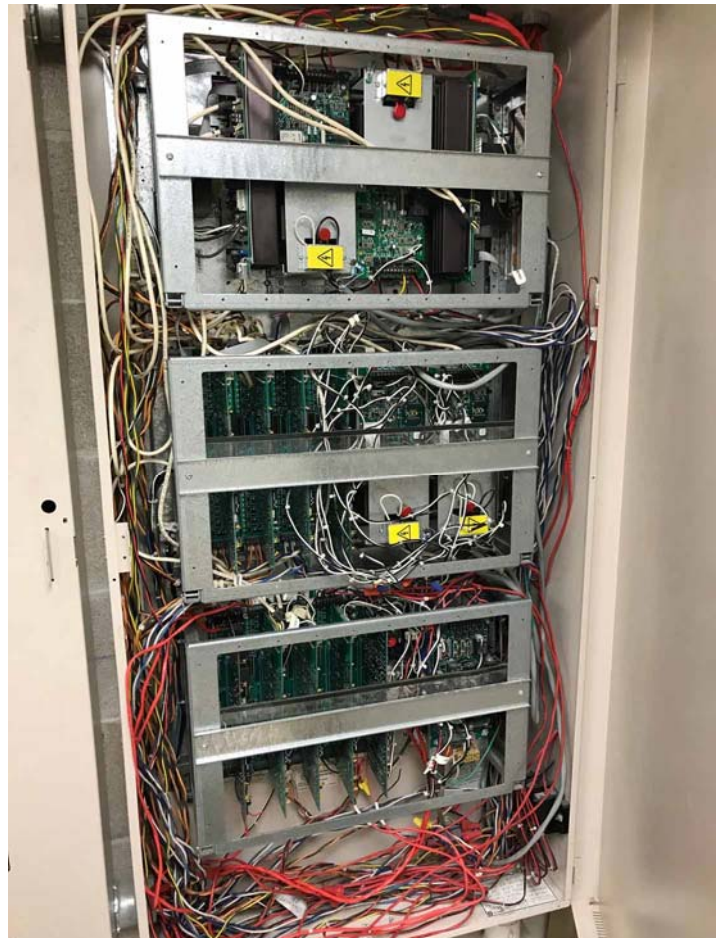
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The King Center is the performing arts building for the Auraria Campus. The fire alarm system in this building is past its useful life. Replacement parts are unavailable and no longer supported by the manufacturer. It does not have voice alarm capabilities and cannot integrate into mass notification and the campus monitoring network.

This project will replace panels and critical components with code compliant equipment that is monitored through the campus fire alarm network.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – King Center	<b>\$1,554,699</b>	Project Total	<b>\$1,554,699</b>



Ref. No. Score

Funding Recommendation

8 5 Colorado Community College System at Lowry

**Upgrade Security Systems, Campus, Ph 3 of 3**

**\$522,579**

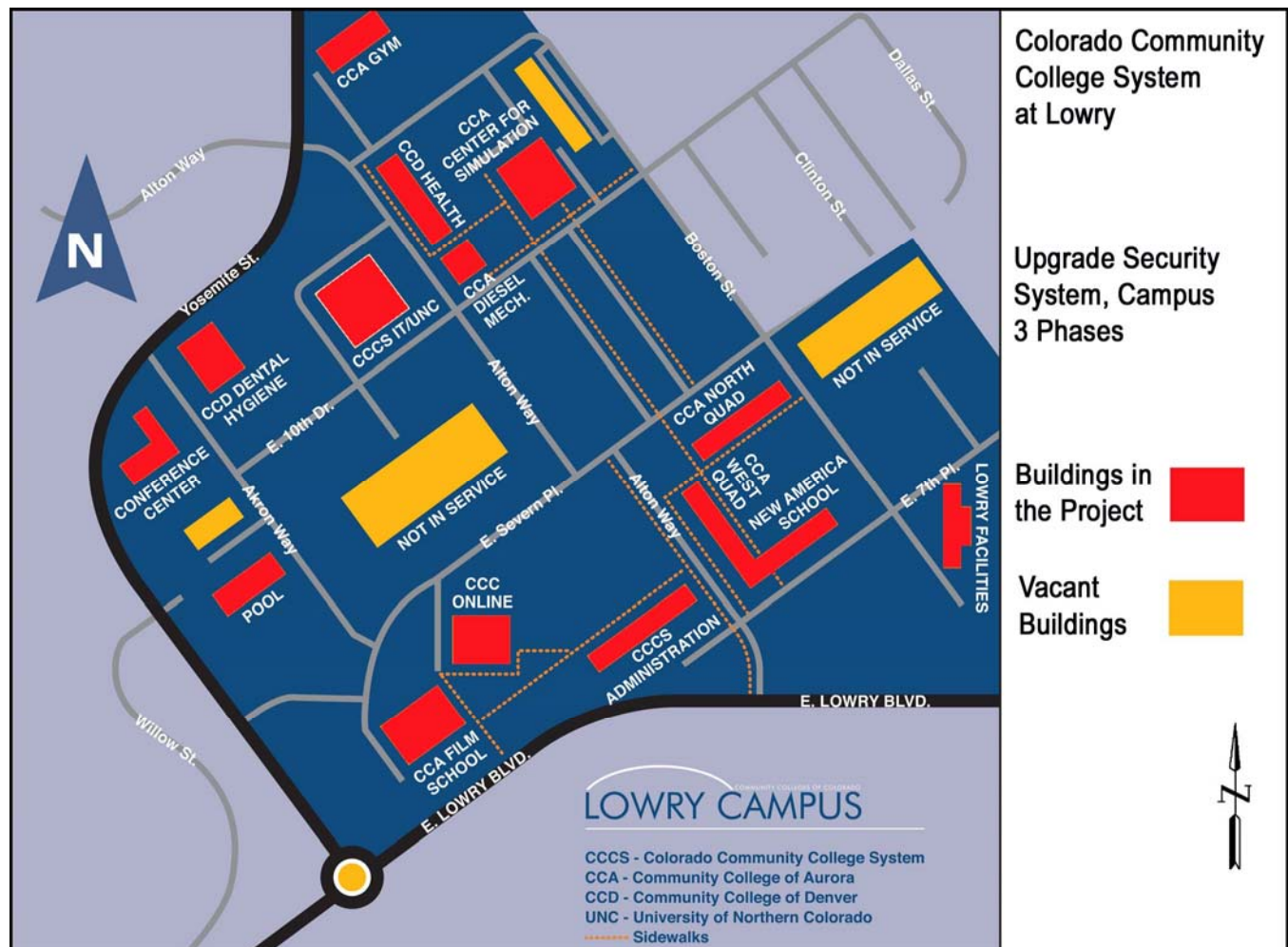
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The campus buildings have not been upgraded to comply with current security standards for higher education. Because of the number of buildings and size of the campus, it is difficult to effectively monitor and respond to incidents in a timely manner. There are several buildings that are still manually locked down and other buildings that are on a separate electronic security system that is outdated and limited in capacity. In the event of an emergency situation, the staff would need to travel to manually lock-down several buildings that are not on the existing electronic security system. A new centralized access control system to replace the manual locks and aging electronic security system is vital to campus safety.

This project will replace door hardware, install door controllers, install interior and exterior cameras, and combine all security and safety systems into one integrated electronic system in multiple buildings throughout the campus. Phase 1 replaced manual locks with new electronic locks. Phase 2 replaced the electronic locks in the existing system and will install new cameras. Phase 3 will complete the electronic locking system and camera replacement on campus as illustrated in the phased map below.

**PROJECT FUNDING:**

Prior Phasing 2091-040M18		Future Phasing	
FY18/19 Ph 1 - Various Buildings	\$511,167		
FY19/20 Ph 2 - Various Buildings	\$516,089		
Funded To Date	<b>\$1,027,256</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
FY20/21 Ph 3 - Various Buildings	<b>\$522,579</b>	Project Total	<b>\$1,549,835</b>





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**Funding Recommendation**

9 5 University of Colorado Boulder

**Update Classroom Security, Various Sites, Ph 1 of 3**

**\$1,310,703**

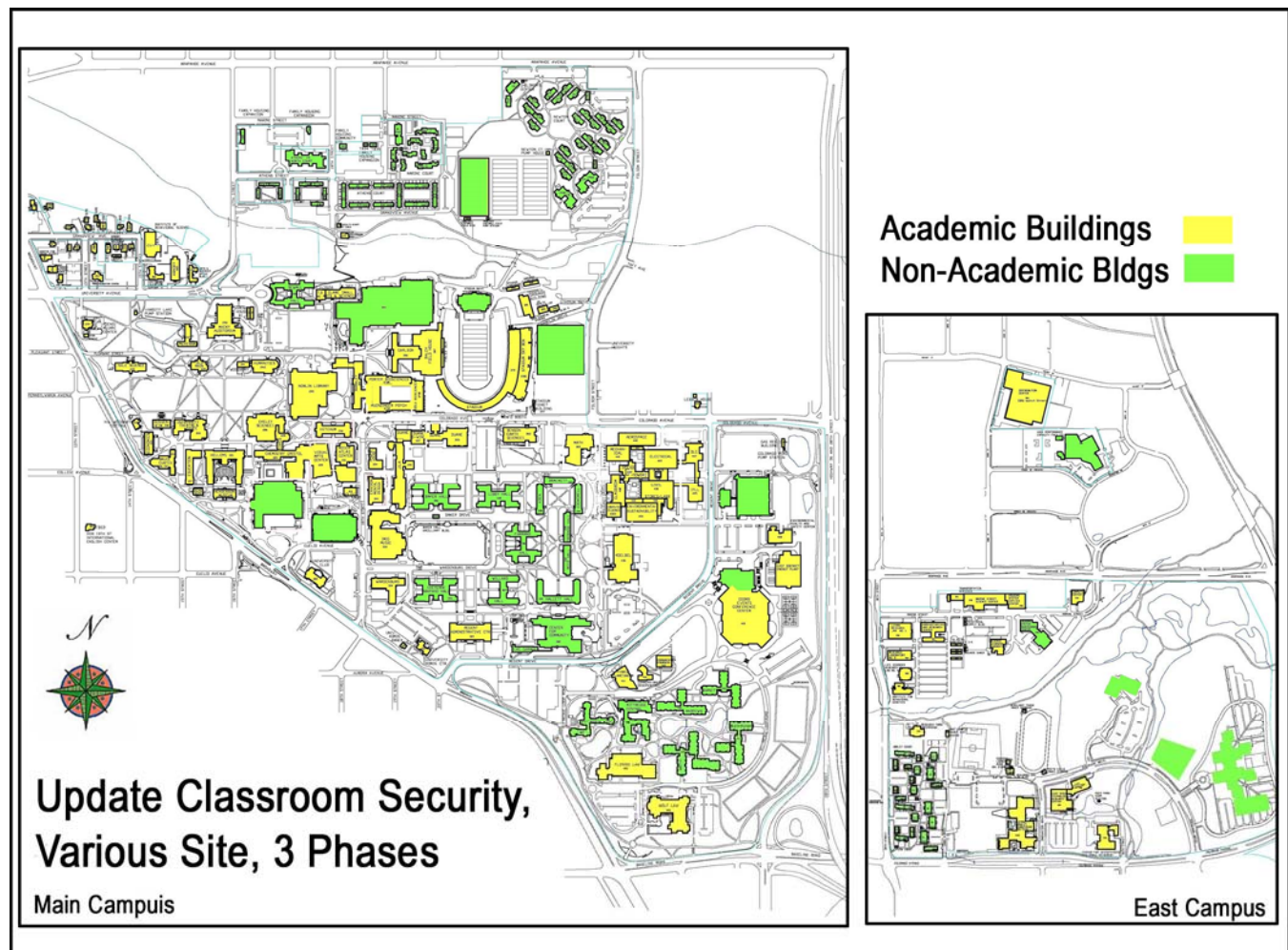
**PROJECT DESCRIPTION / SCOPE OF WORK:**

In a continuing effort to provide and maintain a safe and secure environment for students, the project will provide electrified locks to all campus academic buildings. Classroom doors will be updated with electrified locks, which are activated inside the classroom. The classroom cannot be accessed from outside of the room unless an authorized swipe card has been used.

Phase 1 includes Duane Physics, all buildings in the Engineering Center (Civil Engineering, Classroom Wing, Computer Science, Electrical Engineering, Environmental Sustainability, Mechanical Engineering, North Tower) Environmental Design, Koelbel, Ketchum, Math, Muenzinger, Theatre, Visual Arts and Wolf Law buildings. Phase 2 includes Atlas, Benson, Discovery Learning Center, Duane D-Wing, Economics, Education, Ekely, Fleming, Guggenheim, Hale, Humanities, Macky, Norlin Library and Ramaley buildings. Phase 3 will include Armory, Carlson, Center for Innovation and Creativity, Chemistry, Claire Small, Continuing Education Center, Fiske, Hellems, ITLL, Lesser House, McKenna, Museum Collections, Observatory, Porter, SEEC, SLHS, Stadium, Systems Biotech, Temp building-01, University Club buildings. The campus map below indicates in yellow academic buildings.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date		FY21/22 Ph 2 - 14 Buildings	\$1,206,134
		FY22/23 Ph 3 - 20 Buildings	\$907,253
		Project Balance	\$2,113,387
Current Phase		All Phases	
FY20/21 Ph 1 - 10 Building	\$1,310,703	Project Total	\$3,424,090



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**Funding Recommendation**

10 6 Red Rocks Community College

**Install Fire Sprinkler Lines and Upgrade Fire Alarm System, Main Building, Ph 2 of 2**

**\$1,508,981**

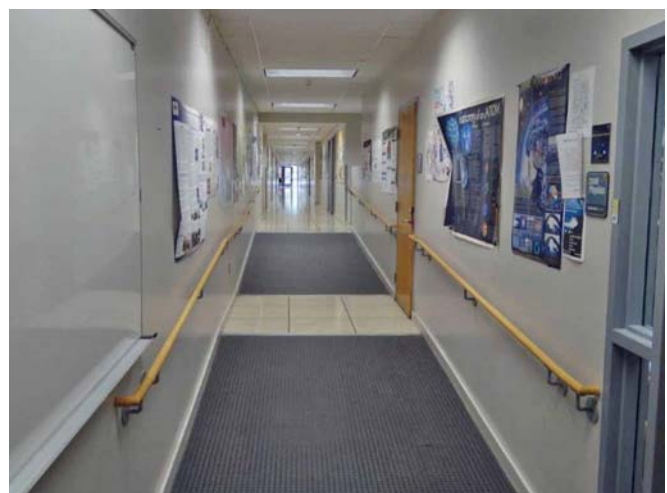
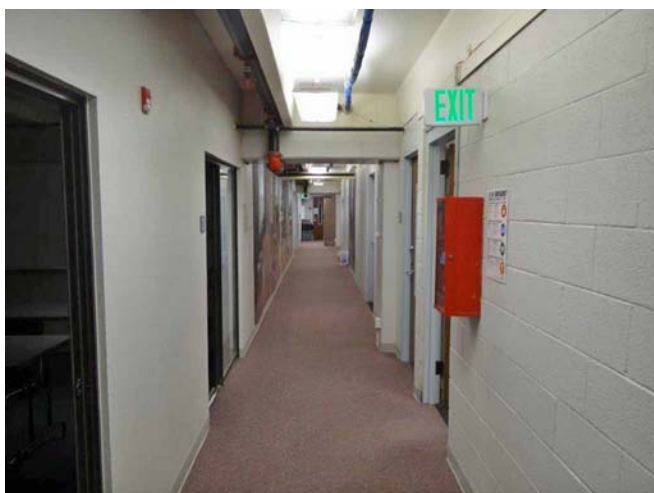
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Main building at the Lakewood Campus is comprised of the West Wing (HERR0766) and the East Wing (HERR0764). The wings have limited fire sprinkler coverage. Future renovations will require the installation of fire sprinklers in the remainder of the building. Additionally, fire sprinklers would add an additional layer of safety to the building which has numerous dead-end corridors and a confusing corridor system layout that makes it difficult to evacuate in a fire event situation.

This project will provide and install the fire water mains and water capacity to fire sprinkler the remainder of the building. Once the mains are installed, the system will have the ability to supply and isolate the eight proposed fire zones and allow for the installation of additional piping, fire sprinklers and controls as required by future construction projects. Phase 1 addressed the East Wing. Phase 2 will address the West Wing.

**PROJECT FUNDING:**

<b>Prior Phasing 2020-072M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - East Wing	\$1,566,978	Project Balance	<b>\$0</b>
Funded To Date	<b>\$1,566,978</b>	<b>All Phases</b>	
<b>Current Phase</b>		<b>Project Total</b>	<b>\$3,075,959</b>
FY20/21 Ph 2 - West Wing	<b>\$1,508,981</b>		





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**Funding Recommendation**

11 6 Colorado School of Mines

**Upgrade Fire Alarm Mass Notification System, Ph 3 of 4**

**\$451,470**

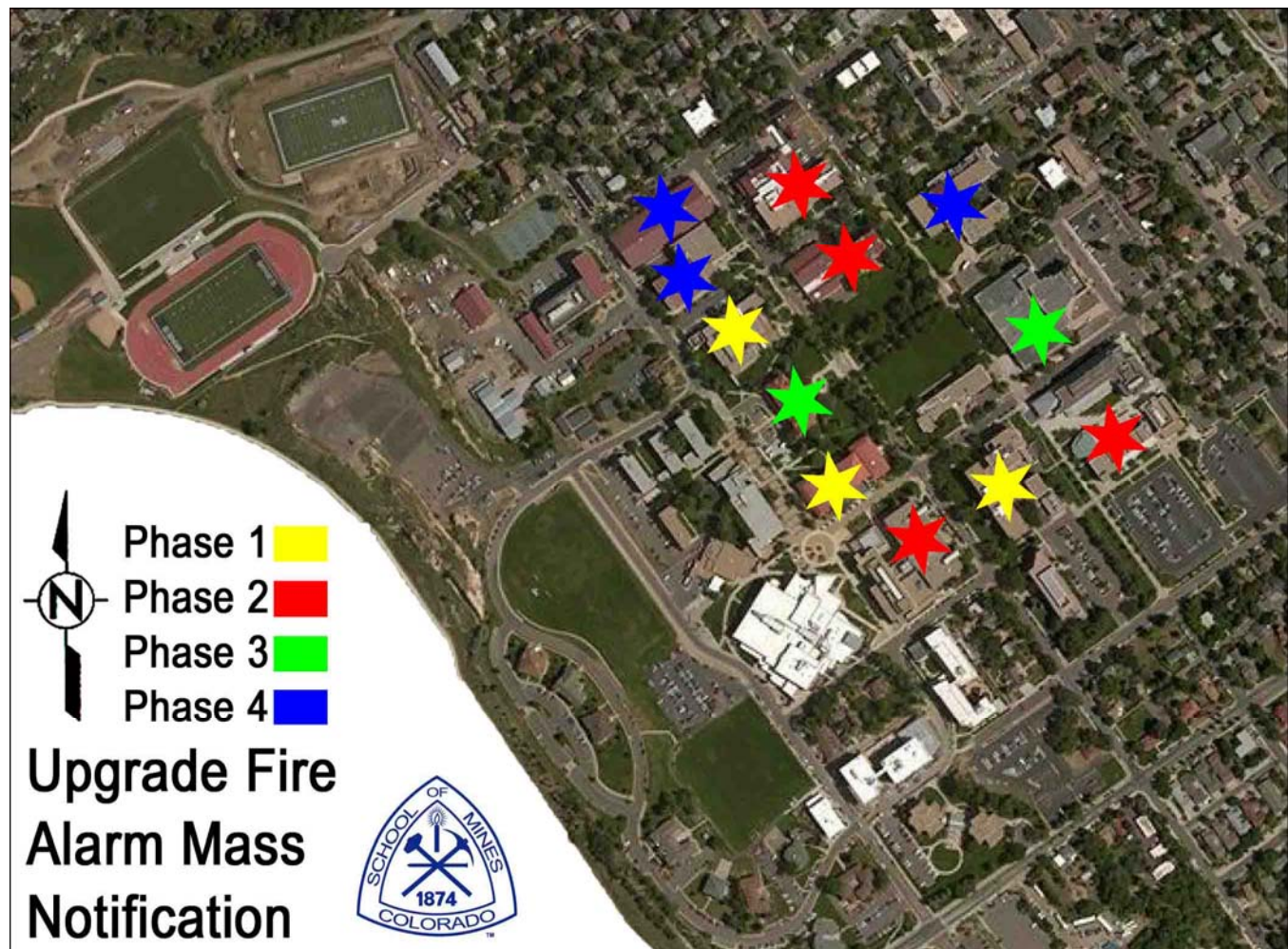
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The campus fire alarm network needs an upgrade to support modern fire alarm panel functions within campus buildings including equipment installation that will enable mass notification. The modern equipment provided by this project includes; digital voice control modules, digital amplifiers, speakers and strobes and will allow timely local fire department notification. Also included is mass notification to campus buildings in the event of dangerous situations such as severe weather or criminal activity.

Adding the capability for timely notification of emergency first responders is critical to the health and life safety of students, faculty and staff. Phase 1 included Alderson (HEMI4132), Lakes Library (HEMI4148) and Berthoud (HEMI4233), Phase 2 included Brown (HEMI4138), Chauvenet (HEMI4139), Coolbaugh (HEMI4140) and CTLM (HEMI8808), Phase 3 will include Green Center (HEMI4144), and Guggenheim (HEMI4145), and Phase 4 will include Hill (HEMI4147), Steinhauer (HEMI4143) and Volk (HEMI4146).

**PROJECT FUNDING:**

<b>Prior Phasing 2019-027M18</b>		<b>Future Phasing</b>	
FY18/19 Ph 1 - Various Buildings	\$604,998	FY20/21 Ph 4 - Various Buildings	<b>\$481,564</b>
FY19/20 Ph 2 - Various Buildings	\$671,378		
Funded To Date	<b>\$1,276,376</b>	Project Balance	<b>\$481,564</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 3 - Various Buildings	<b>\$451,470</b>	Project Total	<b>\$2,209,410</b>



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**Funding Recommendation**

12 6 Department of Public Safety

**Install Fire Suppression System, State Patrol Academy, Ph 1 of 1**

**\$825,537**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 75,287 sq. ft. Colorado State Patrol (CSP) training facility (PSPA6227) houses a large conference space that serves multiple law enforcement agencies throughout the State. It functions as a training facility for law enforcement other than CSP and provides temporary housing during training sessions. Currently the cadet wing is the only section of this building that has a fire suppression and notification system.

This project would provide the rest of the building with a fire sprinkler and notification system. The installation of a fire suppression and notification system will insure the safety of all staff, visitors, trainers and public and bring the facility up to current building code.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – CSP Training Facility	<b>\$825,537</b>	Project Total	<b>\$825,537</b>





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**Funding Recommendation**

13 6 Department of Agriculture - Colorado State Fair

**Install Fire Suppression, Accessibility Upgrade, Palace of Agriculture, Ph 1 of 1**

**\$739,797**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 74,419 sq. ft. Palace of Agriculture (AGSF1338), built in 1940, is used for many events and has many code and life safety deficiencies. This project will address several of these issues including a complete fire/sprinkler and control system, installing new code compliant railing throughout the inside of the building, installing an additional ADA compliant ramp making the lower level of the building more accessible for handicap visitors, repairing the existing exterior accessible ramp to bring it to current ADA and code standards.

This project will also repair the numerous trip hazards currently existing within the building's most publicly used areas. Upon inspection and review of hazard areas by a contractor, it was revealed that approximately 50% of the usable square footage of the building is affected by major tripping hazards due to cracks, uneven and broken concrete and deteriorating floor coverings.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Palace of Agriculture	<b>\$739,797</b>	Project Total	<b>\$739,797</b>



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**Funding Recommendation**

14 6 University of Northern Colorado

**Fire Sprinklers, Michener Building, Ph 1 of 2**

**\$1,281,079**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 1972 Michener Building houses the UNC library. Currently, the lower level is sprinklered and there is a pre-action deluge system surrounding the central stair on floors one through three. The reading areas and stacks are unprotected and with the combustible nature of the collections, there is a significant risk of fire. This project will add fire sprinklers to the remainder of the building.

The first phase will include the water service entry improvements, fire alarm modifications as necessary and the sprinklers for the sub-basement, basement and 1st floor. Phase 2 will complete the sprinklers for 2nd and 3rd floors.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – 2 <sup>nd</sup> & 3 <sup>rd</sup> Floors	\$785,178
<b>Current Phase</b>		Project Balance	<b>\$785,178</b>
FY20/21 Ph 1 – Sub-Bsmt, Bsmt, 1 <sup>st</sup> Floor	<b>\$1,281,079</b>	<b>All Phases</b>	
		Project Total	<b>\$2,066,257</b>





Ref. No. Score

**Funding Recommendation**

15 6 Community College of Aurora

**Upgrade Site Security, Interior and Exterior, Ph 1 of 2**

**\$767,576**

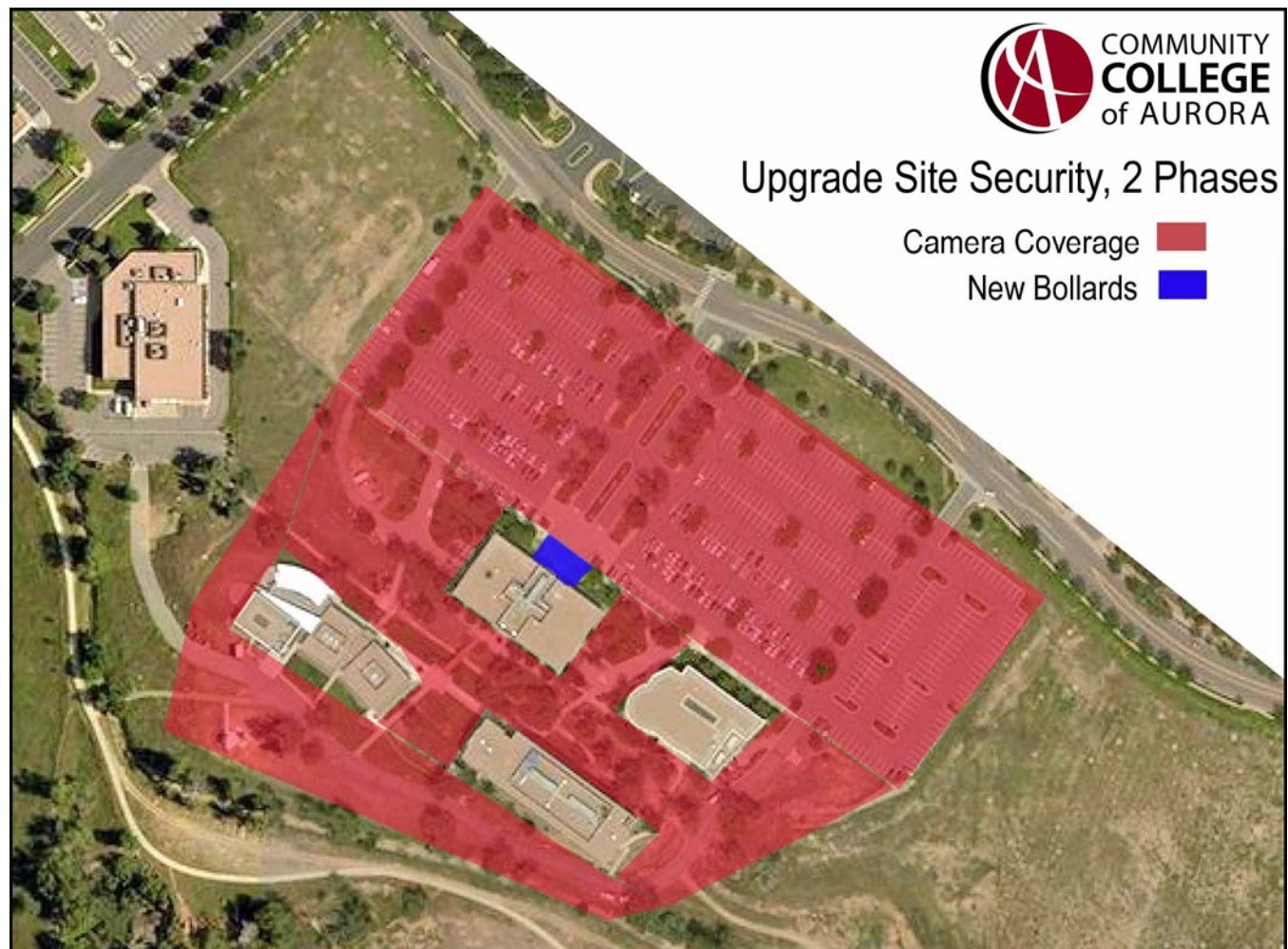
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Community College of Aurora has their main campus in Aurora and use a few buildings at the CCCS Lowry campus. Currently CCA has a total of 54 interior and exterior cameras at their Aurora campus. Only a handful of exterior cameras are working. The cameras relay on an obsolete server and software platform. Numerous areas on the campus have no coverage. This includes, but is not limited to, parking lots, spaces between buildings, means of ingress to buildings and parking lots, and no exterior views of the west entrance of campus from the High Line Canal Trail, a popular public trail. The primary entrance to the Aurora campus main parking not protected in any way from either a malfunctioning vehicle or a driver with malicious intent. The school needs to update is card access system at both locations. The CCA has an agreement with CCCS for their Lowry campus building where CCA is responsible for everything inside the building.

Phase 1 will utilize existing buildings, street lamps, and posts for new exterior cameras. Bollards will be installed to protect the Administration Building and its occupants. This phase will include the installation of emergency call stations to enable a rapid response to emergencies. Door security work and interior cameras work will start in this phase. Phase 2 will finish the camera installation and card access work at both locations.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	FY21/22 Ph 2-Lowry & CCA Main Campus Project Balance	\$751,244
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1-CCA Main Campus	\$767,576	Project Total	\$1,518,820



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**Funding Recommendation**

16 6 Department of Local Affairs - Fort Lyon

**Improve Life Safety and Code, Multiple Buildings, Ph 1 of 2**

**\$613,965**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

A recent modified Historic Structure Assessment report identified several life safety and ADA accessibility issues in buildings at the Fort Lyon site. The issues range from incorrect signage and incorrect door swing or missing hardware to inaccessible restrooms and exits. Existing dead-end corridors create a life-safety trap in the event of a fire.

Phase 1 will address exiting, signage, fixtures, emergency lighting and door hardware in accordance to a detailed assessment phasing plan for buildings 4(GSCS0068), 5 (GSCS0069), 6 (GSCS0075), and 8 (GSCS0070). Phase 2 will address similar issues at buildings 3 (GSCS0036), 201 (GSCS0036), 221 (GSCS0039), 401 (GSCS0081).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 – 4 Buildings	\$485,491
		Project Balance	<b>\$485,491</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – 4 Buildings	<b>\$613,965</b>	Project Total	<b>\$1,099,456</b>





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**Funding Recommendation**

17 6 Lamar Community College

**Upgrade Building Door Access Control and Campus Safety, Ph 2 of 2**

**\$1,329,414**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Lamar Community College's interior and exterior building access controls for Bowman (HELO0775) and Trustees (HELO0773) are 49 years old and for Betz (HELO0774) are 16 years old. All three buildings use manual keyed locking devices, which does not provide rapid opportunity for lock-down in the event of an emergency. Interior doors open out and cannot be locked from the inside without a master key, presenting safety issues in the event of an active shooter or other emergency. Due to limited staffing, key control has been inconsistent, which presents additional safety and security issues. Electronic locks and new doors will improve security and access. Distances between the north and south end of campus can be lengthy and much of the area, including parking lots, have no exterior camera capabilities or emergency call boxes. To improve safety and reduce risk, the call boxes will be placed at the most remote areas giving students, employees, and guests quick access to seek help when needed. Parking lot cameras will be strategically placed to get a complete view of the most remote parking lots on campus.

Phase 1 installed exterior locking systems in Bowman, Trustees, and Betz and start installing exterior cameras. Phase 2 will install interior locking systems and doors in the same buildings.

**PROJECT FUNDING:**

<b>Prior Phasing 2019-046M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - Exterior Doors, Cameras	\$1,301,245	Project Balance	\$0
Funded To Date	<b>\$1,301,245</b>		
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 2 - Interior Doors	<b>\$1,329,414</b>	Project Total	<b>\$2,630,659</b>



Ref. No. Score

Funding Recommendation

18 6 Colorado State University

**Replace Electric Service to ERC, Foothills Campus, Ph 1 of 2**

**\$620,364**

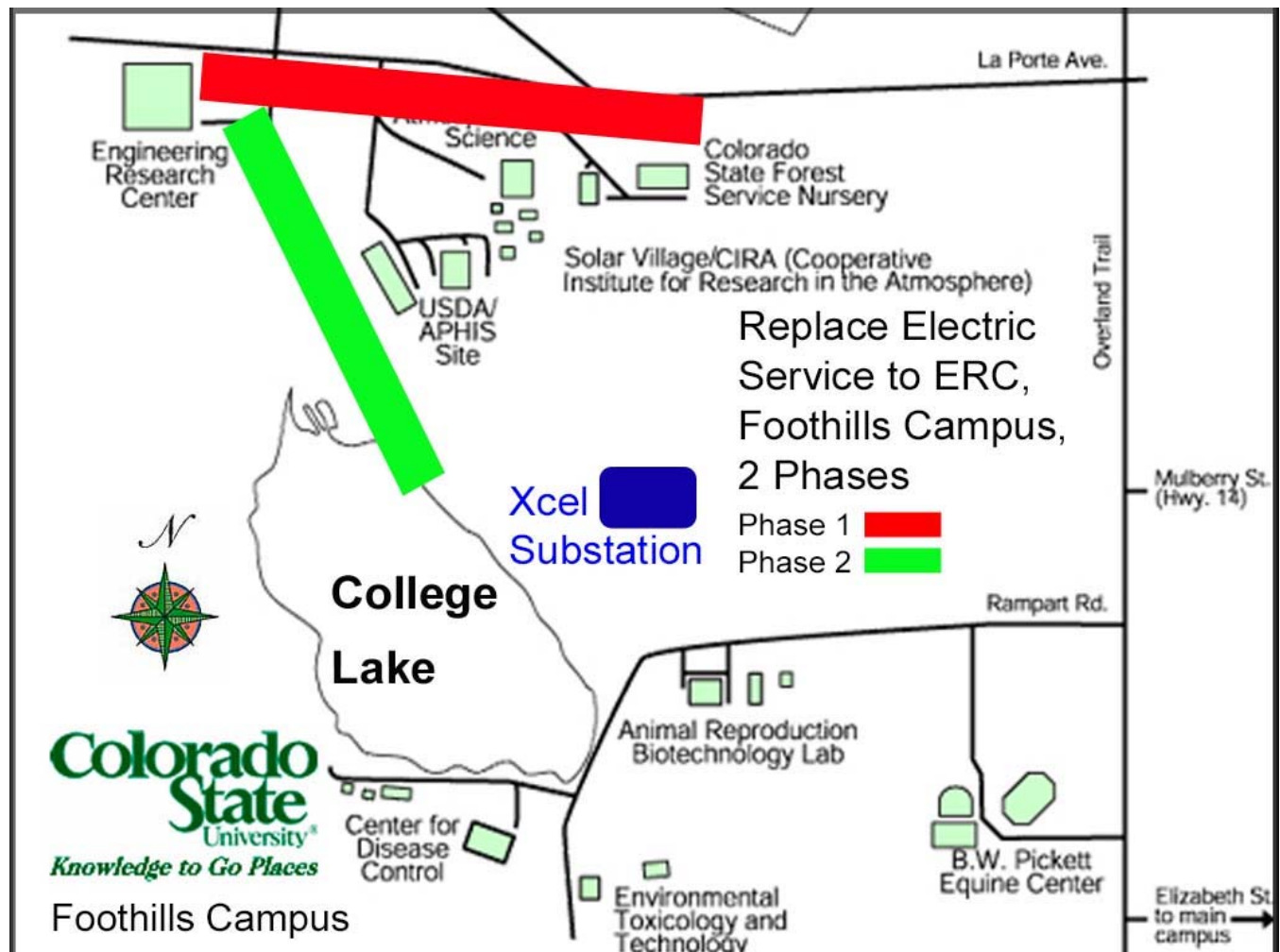
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Electrical power reliability is critical to research at the Daryl B. Simons Building at the Engineering Research Center (CSU #3557). Some electric poles on this line are over 50 years old, well past their life expectancy. Outages are caused by animals, wind and inclement weather. Recently, the Foothills campus experienced a grass fire caused by a raccoon that shorted out the overhead lines. This outage took over five hours to get back online, which is longer than back-up capabilities of the UPS and generator systems. Power interruptions at the ERC have been a significant issue over the past decades. The school often conducts long-term laboratory research projects and electrical disruption can set the research back weeks to months.

Phase 1 will replace 2,690 ft. of the existing overhead distribution line with 500 kcmil aluminum underground line from the west meter to the Simons Building. Phase 2 will replace the existing overhead line with an underground line from the ERC building south to the College Lake water source necessary for research.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - ERC bldg. to College Lake	\$522,914
		Project Balance	<b>\$522,914</b>
Current Phase		All Phases	
FY20/21 Ph 1 - Line along Laporte Ave.	<b>\$620,364</b>	Project Total	<b>\$1,143,278</b>



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**Funding Recommendation**

19 8 Otero Junior College

**Upgrade Fire Safety, Egress, and Exit Paths, McDivitt Center, Ph 1 of 1**

**\$1,050,000**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The McDivitt Center (HEOT0131) is one of OJC's oldest yet most utilized buildings on campus, used for very large sporting, academic and general events. Outdated occupant egress in traffic/stairways and restrictive containment make the facility exits with large events a safety hazard. Lack of directional egress and pathways to and from stairways from upper seating make emergency evacuations confusing and hazardous. Lack of Fire Sprinkler systems make fire containment practically non-existent. Handrails and aisle and balcony rails are old and outdated and give concern to liability of smaller attendees falling between rails. Addressing the egress and fire suppression is required in order to maintain a safe and functional building for its wide and varied uses. These updates are needed for its continued functionality and use by OJC and the events hosted by the campus.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – McDivitt Center	<b>\$1,050,000</b>	Project Total	<b>\$1,050,000</b>





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Funding Recommendation

20 8 Colorado School of Mines

**Campus Steam Branch Repairs, Ph 4 of 4**

**\$357,915**

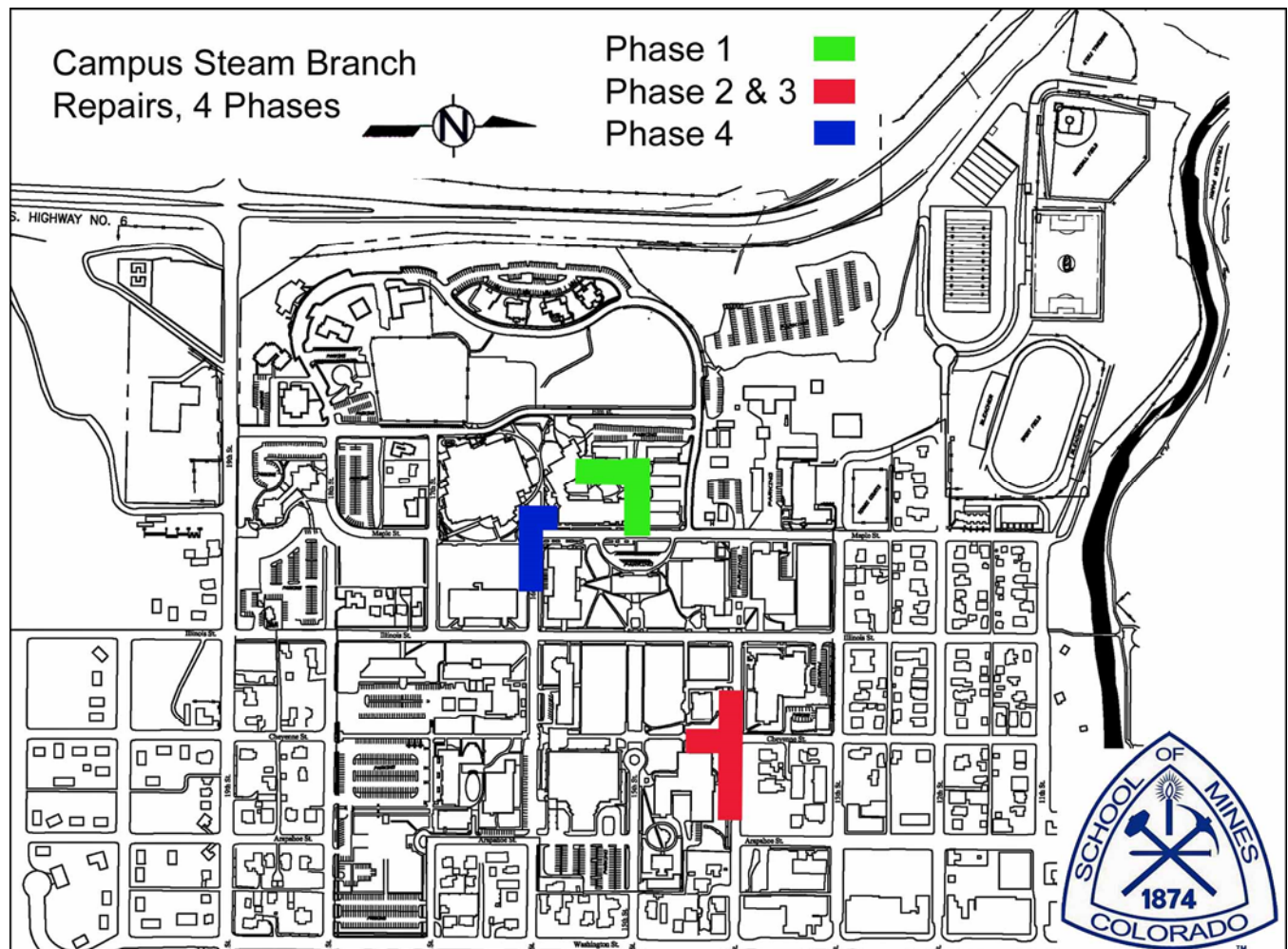
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Several sections of steam service lines on the Mines campus are over 55 years old and are beyond their useful life. These branch lines serve Chauvenet (HEMI4139) and Stratton Halls (HEMI4150) and a complex of residence life functions. These lines are older than the line serving Guggenheim Hall (HEMI4145), which was repaired as an emergency project in 2012 when it developed an active leak. This project will address the same aged condition of campus steam service on a planned, non-emergent basis. Direct buried single pipelines will be replaced with new double lined pipes and isolation valves. Failure of these lines would result in a complete loss of heating to many classrooms, laboratories, offices, residence halls and the campus dining facility.

Phase 1 replaced the lines serving residence halls and the Recreation Center, Phase 2 and 3 replaced the lines serving Chauvenet and Stratton. Phase 3 was part of SB17-267 funds. Phase 4 replaces the line serving the student center. (Due to the unforeseen difficulty of incorporating a steam expansion loop and the resulting challenges in excavating near a large retaining wall, and replacing a portion of a pedestrian mall, a 4th phase has been added to this project to complete the loop.)

**PROJECT FUNDING:**

Prior Phasing 2014-070M14		Future Phasing	
FY14/15 Ph 1 - Green Section	\$663,964		
FY17/18 Ph 2 - Red Section	\$333,251		
FY17/18 Ph 3 - Red Section (2014-070M19)	\$196,658		
Funded To Date	<b>\$1,193,873</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
FY20/21 Ph 4 - Blue Section	<b>\$357,915</b>	Project Total	<b>\$1,551,788</b>





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**Funding Recommendation**

21 8 Colorado Mesa University

**Replace Sewer Drain System, Lowell Heiny Hall, Ph 1 of 1**

**\$65,000**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Lowell Heiny Hall was constructed over 51 years ago and has been occupied for 12-17 hours each day ever since. The University has received numerous complaints and requests through the work order system related to a sewer gas smell. It was determined to be a result of failing sewer piping.

This project will demo eight existing wet walls, replace the drain and vent at each and replace drywall and tile.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Wet Walls, Lowell Heiny Hall	<b>\$65,000</b>	Project Total	<b>\$65,000</b>



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**Funding Recommendation**

22 10 Department of Human Services

**Upgrade Fire Sprinkler Systems, SCYSC, Ph 1 of 1**

**\$713,639**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Spring Creek Youth Services Center (SCYSC) (HSYS8161) houses youth for rehabilitative purposes. Fire alarm systems are intended for life and safety and are designed, installed, and maintained to provide indication and warning of fire conditions. The system will alert building occupants and summon appropriate aid in adequate time to allow for occupants to travel to a safe place and for rescue operations to occur. The existing fire alarm panel has been in use since the facility went into service in 1997. Manufacturing of these panels has ceased and parts are no longer available.

This single phase project will replace the fire alarm system at the Spring Creek Youth Services Center facility and perform a fire sprinkler head testing program system wide. The resulting report will recommend a phased approach for replacement of remaining system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Spring Crk Youth Ctr Facility	<b>\$713,639</b>	Project Total	<b>\$713,639</b>





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**Funding Recommendation**

23 10 Fort Lewis College

**Replace North Campus Heating and Cooling Line, Ph 2 of 2**

**\$866,335**

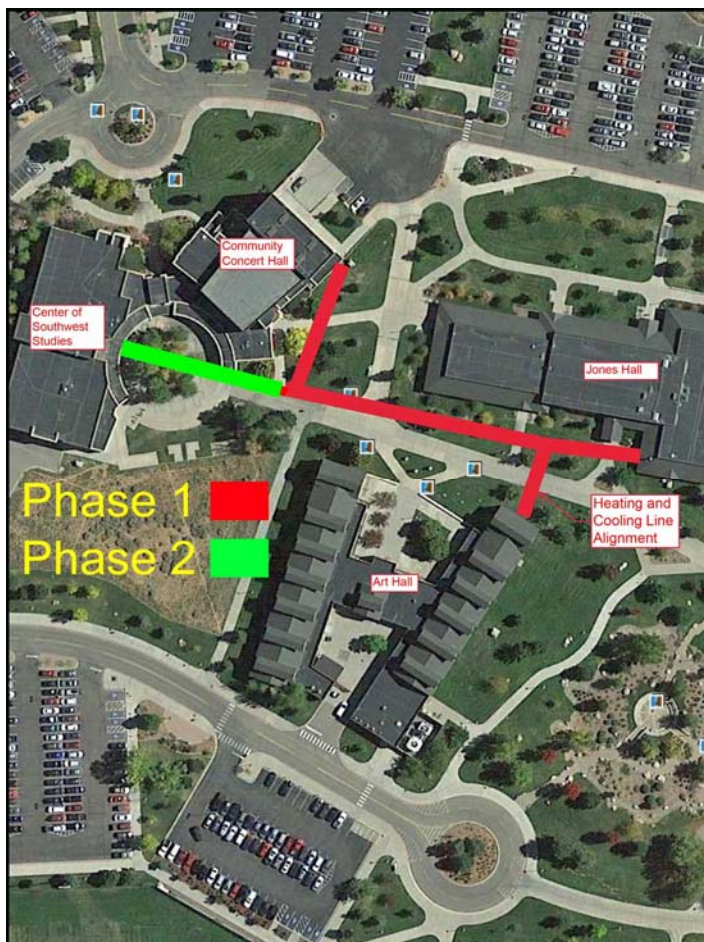
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The pre-insulated steel and PVC hydronic heating and cooling system piping installed in 1998 - 2000 serves the Concert Hall, Center of Southwest Studies and Jones Hall buildings from the central plant located at the Art Hall building. The hydronic piping system has experienced significant leaks in recent years requiring the College to make emergency repairs on the PVC chilled water lines and the steel heating water lines. Based upon an engineering study providing infrared inspection, it was determined that there are multiple leaks in the underground piping and fittings requiring installation of new heating and cooling lines to support critical academic buildings and improve reliability of operation and reduce maintenance.

Phase 1 included the design of a new piping configuration and installation plan to replace the existing heating and cooling piping system, removing existing sidewalk paving and landscaping as needed and installing new valves and piping mains from the Art Hall Building site area. Phase 2 will include installing new valves and piping taps on main piping lines extending to Jones Hall and the Concert Hall buildings and adding piping taps for tie-in with existing piping serving the Center for Southwest Studies building.

**PROJECT FUNDING:**

Prior Phasing 2019-057M19		Future Phasing	
FY19/20 Ph 1 - South Section	\$1,638,838	Project Balance	\$0
Funded To Date	\$1,638,838		
Current Phase		All Phases	
FY20/21 Ph 2 - North Section	\$866,335	Project Total	\$2,505,173





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**Funding Recommendation**

24 10 Pikes Peak Community College

**Replace Sewer Vent Pipes and Upgrade Restrooms, Centennial Campus, Ph 2 of 2**

**\$639,571**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Aspen (HEPP0057) and Breckenridge (HEPP0058) buildings were constructed in 1976 and 1977 and are now experiencing deterioration of sewer and vent pipes due to the age of the buildings. The faculty, staff and students have complained about the odor and subsequently the school has moved classes and offices to accommodate issues while repairs are made and odors mitigated. An investigation of the restrooms and infrastructure has identified areas of deterioration and proactive temporary repairs were completed. Consequences of not funding this project will result in continued poor air quality concerns and complaints, on-going displacement of classes, and disruption of instruction and service to students. Additionally, the school will continue to experience problems with clogged toilets and back-ups resulting in waste water flooding into hallways and adjacent occupied classrooms and offices.

Phase 1 replaced the vent pipes and upgrade the restrooms to the required codes in Aspen building. Phase 2 will address the Breckenridge building.

**PROJECT FUNDING:**

Prior Phasing 2020-081M19		Future Phasing	
FY19/20 Ph 1 - Aspen	\$1,252,375	Project Balance	\$0
Funded To Date	\$1,252,375		
Current Phase		All Phases	
FY20/21 Ph 2 - Breckenridge	\$639,571	Project Total	\$1,891,946



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**Funding Recommendation**

25 10 Trinidad State Junior College

**Upgrade HVAC Air Quality and Building Safety, Alamosa Campus, Ph 2 of 2**

**\$1,243,544**

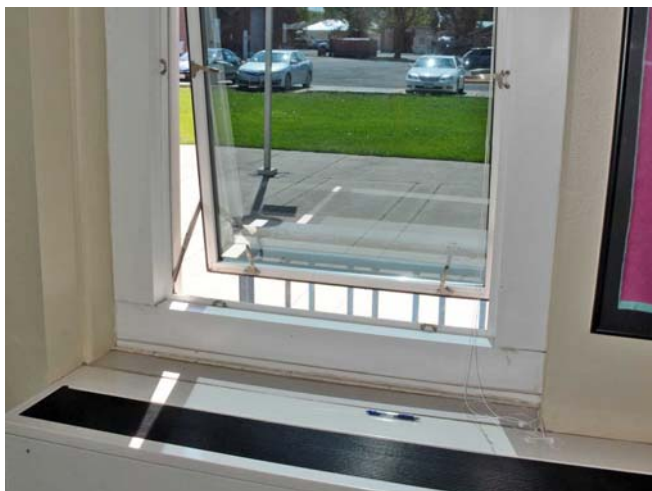
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The main Alamosa building (HETR7231) was built in 1936. When the building was renovated in 2000 an addition was added to the west side of the building. The project in 2000, incorporated unit ventilators with only heating coils and replaced the exterior windows with large operable awning windows. The combination of unit ventilators and operable windows has not been successful in achieving / maintaining comfortable air temperatures within the building during the spring and summer months. When staff and students open the windows for ventilation this puts additional loads on the heating system and therefore does not operating efficiently. There have been incidents of numerous bats and insects entering the building and some incidents of security breaches through open windows. The operable windows have latching mechanisms which don't allow screens. The only building exhaust comes from the restrooms with no makeup air available. The 2000 addition, (which contains the vocational shops for diesel mechanics, machining and welding, as well as the only large auditorium and the Learning Resource Center), has no air conditioning. These spaces are provided with ventilation air from heating-only make-up air units.

This project will provide air conditioning and improved heating and controls throughout the original building and the 2000 addition. Phase 1 addressed the year 2000 addition. Phase 2 addresses the original building.

**PROJECT FUNDING:**

<b>Prior Phasing 2020-077M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - Addition and Full Design	\$1,281,211	Project Balance	\$0
Funded To Date	<b>\$1,281,211</b>	<b>All Phases</b>	
<b>Current Phase</b>		Project Total	<b>\$2,524,755</b>
FY20/21 Ph 2 - Original Building	<b>\$1,243,544</b>		





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**Funding Recommendation**

26 10 Pueblo Community College

**Replace Roof, Main Building, Southwest Campus, Ph 2 of 2**

**\$697,439**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Main Campus Building (HEPV0103) at PCC Southwest Campus (PCCSC) has three major, low slope roof areas and four standard sloped metal roof areas. The low-slope areas have a loose laid single-ply rubber membrane over tapered insulation with tectum decking and the standard sloped areas have multiple layers of sheet metal roofing. Because of the age of the single-ply roofing, it is shrinking and cracking at an increasing rate. The school has recently completed two emergency requests on this roof within the last year. Every day the low-slope roof expands and contracts; the single-ply rubber continues to tear away from the drip edge and around the roof mounted equipment. This project will remove and replace all deficient metal and existing single-ply areas of the roof. A complete failure of this roofing system would result in the shutdown of the primary academic building on the PCCSC campus.

The project will remove of all existing single-ply roofing membranes, insulation down to the decking. New tapered insulation system and a fully adhered single-ply roofing membrane will be installed to meet current code standards. The sloped metal roofing will be removed and replaced. Phase 1 addressed the center and sloped sections of the building. Phase 2 will address the east section of the building.

**PROJECT FUNDING:**

<b>Prior Phasing 2019-058M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - Center and Sloped Sections	\$864,246	Project Balance	\$0
Funded To Date	<b>\$864,246</b>	<b>All Phases</b>	
<b>Current Phase</b>		Project Total	<b>\$1,561,685</b>
FY20/21 Ph 2 - East Section	<b>\$697,439</b>		





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**Funding Recommendation**

27 10 University of Colorado Colorado Springs

**Replace Roof, El Pomar, Kraemer Family Library, Ph 1 of 1**

**\$1,987,486**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The El Pomar Center and the Kraemer Family Library buildings are interconnected. Their roofs consist of 38,080 sq. ft. of 60 mil single-ply roofing and 19,332 sq. ft. of styrene butadiene styrene (SBS) modified cap roof with an aluminum coating. The buildings are experiencing chronic roof leaks due to normal lifecycle deterioration. These roof leaks have caused damage to reading materials, academic and office spaces. There are large areas where water entering the roof has caused insulation degradation. Reactive maintenance is being practiced before replacement can occur.

This project consists of removal of the existing roof membranes, insulation, nailers, flashing, and deck repair. The new roof system will consist of new insulation, high-density cover board, thermoplastic polyolefin (TPO) single-ply membrane, nailer and flashing.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 El Pomar/Kraemer Library	<b>\$1,987,486</b>	Project Total	<b>\$1,987,486</b>



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**Funding Recommendation**

28 10 Colorado State University

**Roof Replacement, Clark A Wing, Ph 1 of 1**

**\$871,841**

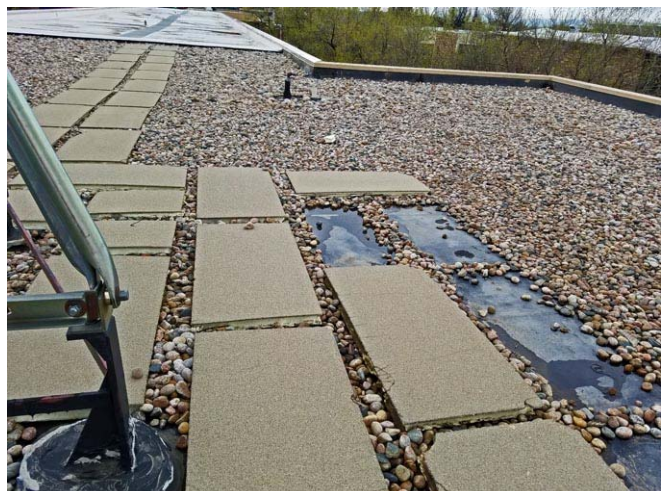
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Andrew G. Clark (CSU #5000) building, A-wing roof is over 25 years old. The roof is plagued with leaks in multiple classrooms on the second floor, causing classes to be relocated or cancelled. This building is a heavily scheduled general assignment classroom building with over 1,170 classes scheduled in a school year. The ballasted roof makes it difficult to locate the source of the leaks.

The project will remove the existing roof, add code compliant insulation, and install a new the roof system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Clark A Wing	<b>\$871,841</b>	Project Total	<b>\$871,841</b>





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**Funding Recommendation**

29 10 Western Colorado University

**Accessibility Improvements, Exterior Campus, Ph 1 of 2**

**\$353,272**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The campus accessible pedestrian routes have not kept pace with the growth of the University. In many cases no route exists at all. There are five areas in two phases. Phase 1 includes design for all areas and the completion of work at Escalante Crossing. This route connects the University Center (Student Union) to the Mountaineer Bowl and turf practice field. There is no route between these facilities, yet there is pedestrian traffic for football games, graduation, and athletics practices. Phase 2 includes the Georgia Avenue sidewalks connecting the Newman parking lot to the Rady building. There is currently no route along this path. Chipeta Sidewalk Improvements along Georgia will allow off-campus students to access campus in a direct, safe and accessible route that is not available to them. Escalante Road Hill is a main campus access route for non-motorized users. There is currently no sidewalk or accessible route, so all users must share the street with cars. Ute-Mears Connector is a heavily trafficked route that forces students to walk in a drainage culvert that is approximately 14" below grade. Creation of a sidewalk adjacent to the drainage culvert will provide a contiguous, accessible connection from the Newman Lot to Crawford Hall in the center of campus. All proposed routes will be concrete for easy winter clearing.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – Georgia Avenue Project Balance	\$1,024,803 <b>\$1,024,803</b>
Current Phase		All Phases	
FY20/21 Ph 1 – Escalante Crossing	<b>\$353,272</b>	Project Total	<b>\$1,378,075</b>





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**Funding Recommendation**

30 10 Front Range Community College

**Replace Mechanical System and Update Controls, Harmony Library, Larimer Campus, Ph 1 of 1 \$782,603**

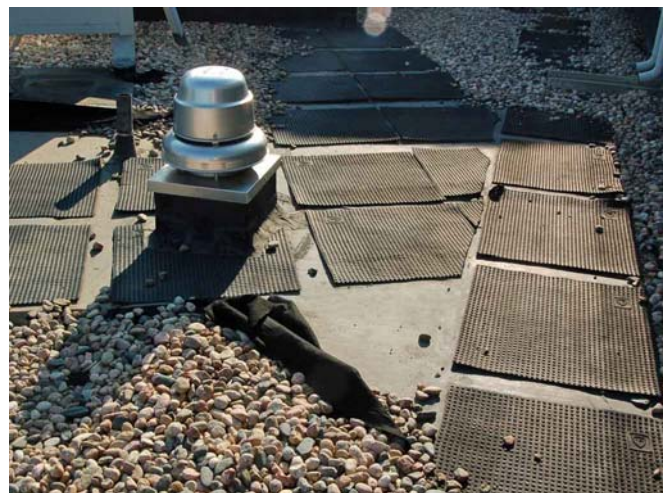
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Harmony Library (HEFR0757) on the Larimer Campus is a joint-use facility operated by FRCC and the Poudre River Public Library District (PRPLD), through an intergovernmental agreement (IGA) dated December 31, 2007. The existing HVAC system was installed in 1997 and is at the end of its useful life. Due to the poor condition of the mechanical systems, the building has failed to accommodate FRCC and Library District events. The existing condensing units and associated DX coils need to be replaced due to age and R-22 refrigerant. All R-22 production and import will be reduced by law until January 1, 2020, when it will become illegal in the United States. The present HVAC system is a pneumatic controlled system where the plastic tubing to room thermostats has deteriorated and cracked. Facilities can no longer adjust many of the thermostats. Upgrading to a DDC system will allow facilities to monitor room temperatures and data and make modification to the system to improve comfort and reduce energy usage. The current boiler is a non-condensing cast iron sectional boiler.

This project will repair/replace the controls, the air-handling units, and the boiler to improve occupancy comfort and energy efficiency.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Harmony Library	<b>\$782,603</b>	Project Total	<b>\$782,603</b>



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**Funding Recommendation**

31 10 Department of Personnel & Administration - Division of Capital Assets

**Refurbish Freight Elevator and Replace Electrical Switch Gear, Centennial Building, Ph 1 of 1 \$962,242**

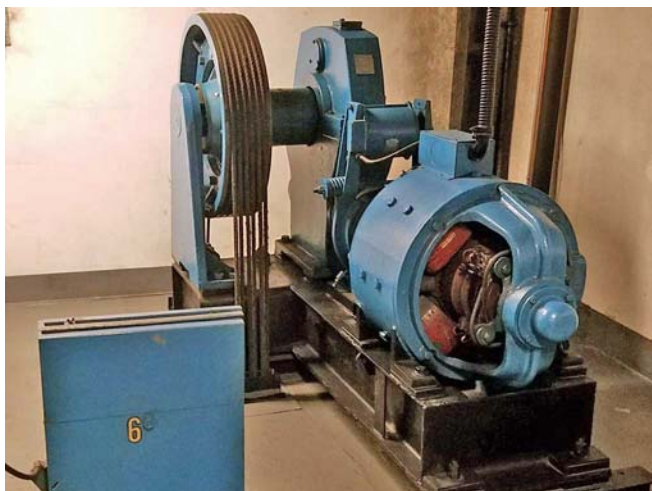
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 207,097 sq. ft. Centennial Building (GSCB0140) was built in 1976 and the freight elevator is original equipment that is in need of full replacement. This elevator has original analog components that cannot be replaced and have limited number of service contractors who have the skill set to analyze or trouble shoot needed repairs. This elevator is vital to convey large delivery items for 8 floors of offices. It also provides vertical transportation to State Archives stored materials and fire fighters, paramedics with medical gurneys.

This project will update the elevator control panel, provide new cables, cab enclosure, car opening panels, push button stations, hoistway tracks, and upgrade ADA compliance. In addition, this project will replace the buildings main distribution transformer and switch gear. This project with a rehabilitated freight elevator and new switchgear and main 13,200v/480v transformer will substantially increase reliability.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Centennial Building	\$962,242	Project Total	\$962,242





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**Funding Recommendation**

32 12 Colorado State University - Pueblo

**Replacement/Upgrade of Building Fire Alarm Equipment, Campus, Ph 1 of 3**

**\$1,056,667**

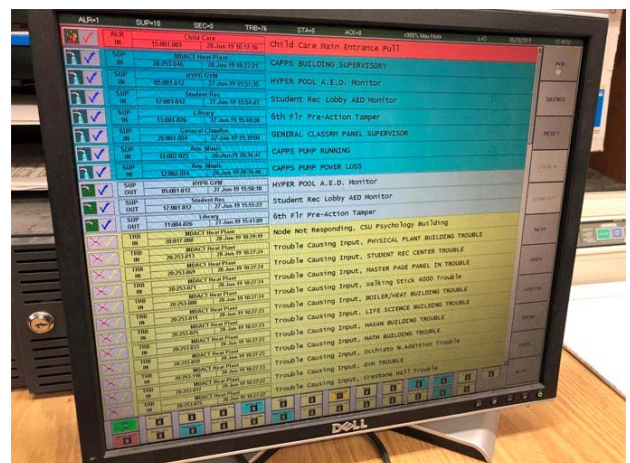
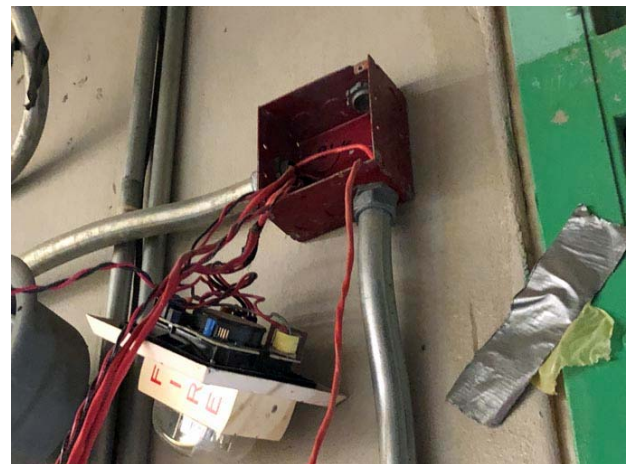
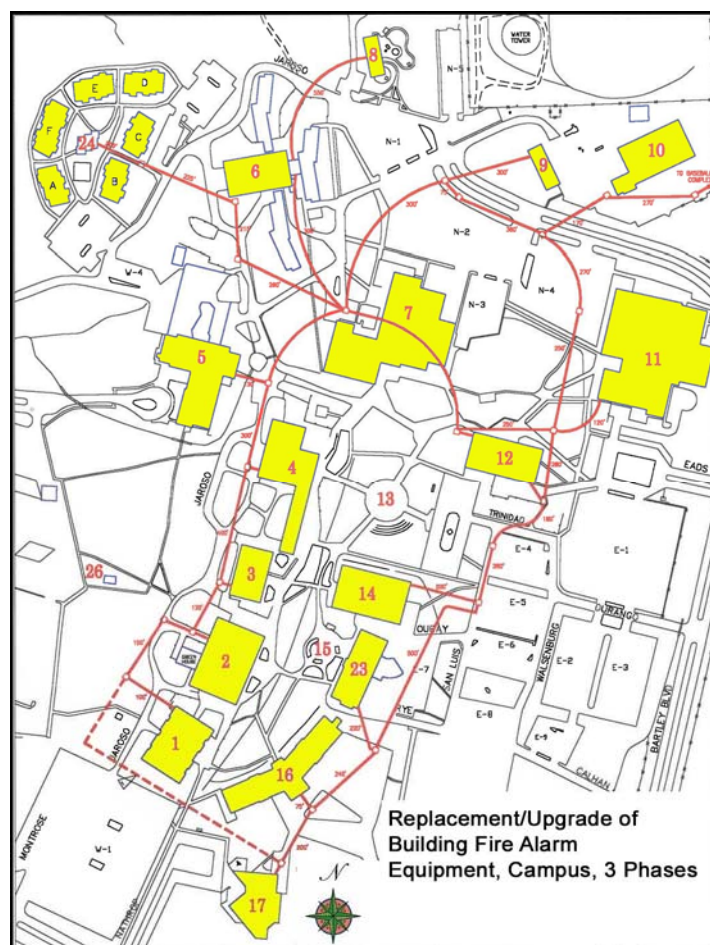
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Many of CSU-P buildings are over 40 years old. Recently some fire system devices/wires failed in the Technology building (HESC1256). A CSU-P funded emergency repair project was required to fix the false alarms. The problem is as old devices are failing, they cause voltage issues, which result in false alarms. With all the old devices on campus, the potential of random false alarms is increasing. There is no effective method to identify the failing devices prior to the generation of a false alarm. False alarms are very disruptive to academic education as the building needs evacuate during an incident.

This 3 phase project will be for the replacement of all the wires, components, and devices for the purpose of a complete fire system upgrade on campus. Phase 1 will determine the most critical buildings, the main system panels that need replacing, and upgrade the most critical components. Phase 2 will address next set of buildings determined from the design work in phase 1. Phase 3 will finish the general funded buildings.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date		FY21/22 Ph 2 – Various Buildings	\$1,056,667
		FY22/23 Ph 3 – Various Buildings	\$1,056,667
		Project Balance	<b>\$2,113,334</b>
Current Phase		All Phases	
FY20/21 Ph 1 - Design & Critical Components	<b>\$1,056,667</b>	Project Total	<b>\$3,170,001</b>





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**Funding Recommendation**

33 12 Auraria Higher Education Center

**Provide ADA walkways, Curtis and Champa Streets and Classroom Courtyard, Ph 1 of 2**

**\$1,064,015**

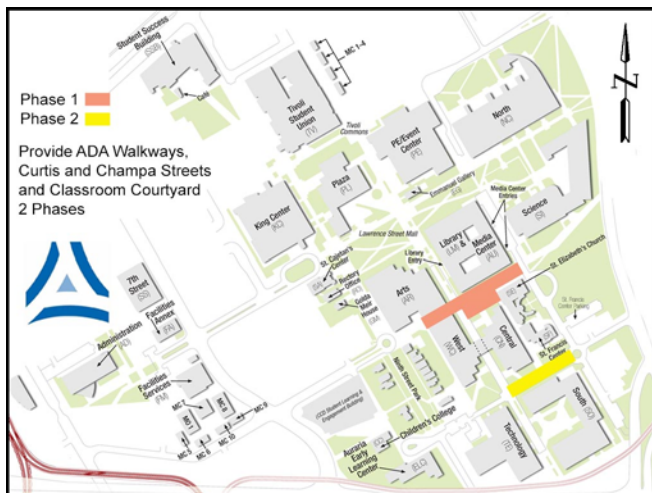
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The old City of Denver asphalt roadway has been converted to pedestrian corridors. The cross slopes on the Curtis and Champa corridors are far greater than the 2 percent permitted per the Americans with Disabilities Act (ADA). This means that between Colfax and Lawrence streets there are no ADA compliant east/west connections on the campus between 10th and 11th streets. In addition, when significant rain events occur, the Central Classroom courtyard ponds water at the bottom of the ramp which then makes the building inaccessible for mobility challenged individuals.

Phase 1 would provide the design, drainage reports and construction for Curtis St. and the Central Courtyard, providing one ADA accessible route between Lawrence and Colfax streets. Phase 2 would provide for the design, drainage reports and construction for Champa St.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – Champs Street	\$596,493
		Project Balance	<b>\$596,493</b>
Current Phase		All Phases	
FY20/21 Ph 1 – Curtis & Central Courtyard	<b>\$1,064,015</b>	Project Total	<b>\$1,660,508</b>



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**Funding Recommendation**

34 12 Colorado State University

**ADA Accessibility Improvements, Ph 1 of 1**

**\$363,329**

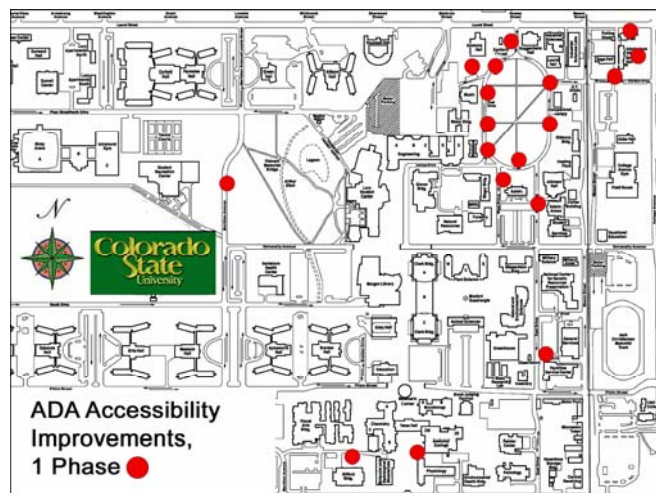
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Resources for Disabled Students staff recently completed a report that indicated multiple locations on CSU's main campus with identified ADA accessibility issues. The deficiencies range from missing or deficient sidewalks to curb cut ramps. Ammons (CSU #3226) and Spruce Halls (CSU #3238) in particular have extremely difficult access routes that push people in wheelchairs out to the street and cause them to take a very circuitous route to the handicapped entrances. Ammons Hall is the university's Welcome Center and should be easily accessible to student and parent visitors. The TILT building (CSU #7951) houses Resources for Disabled Students, generating a lot of student visits and handicapped movement along the Oval.

This project will repair/upgrade the identified 17 locations on the following map.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Campus ADA Improvements	<b>\$363,329</b>	Project Total	<b>\$363,329</b>





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**Funding Recommendation**

35 12 Department of Corrections

**Improve Accessibility, FCF, Ph 2 of 5**

**\$1,924,406**

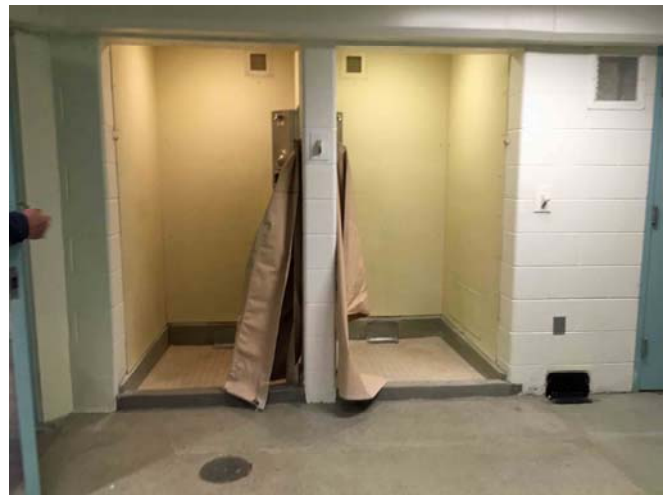
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Fremont Correctional Facility (FCF) which originally opened in 1957, houses 1,683 medium level offenders. The need for accessible beds has increased due to the aging population and younger offenders entering the system with disabilities. The department currently lacks sufficient numbers of accessible beds and there have been ADA related lawsuits against DOC in the past. Problems that have been identified include inadequate cell door openings and non-compliant plumbing fixtures along with other elements within cells.

Phase 1 addressed site access, the Education Center (COFM 1386), Offender Processing (COFM 3118), Main Hallway (COFM 8659), Visiting (COFM 3122), Kitchen/Medical/Laundry (COFM 9999), and provide a total of 10 accessible cells in Cellhouses 1, 4, & 5 (COFM 7782, COFM 3119, COFM 3118). Phase 2 will address work in Cellhouse 6 (COFM 9999) which will convert existing cells to create ten accessible beds with new shower and toilet facilities. Phase 3 would create thirty-four accessible cells. Phase 4 would create twenty-five accessible cells. Finally, Phase 5 would create 21 accessible cells. The cost per cell varies depending on the level and location within the facility.

**PROJECT FUNDING:**

<b>Prior Phasing 2020-086M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - 10 Cells	\$1,978,510	FY21/22 Ph 3 - 35 Cells	\$1,770,817
		FY22/23 Ph 4 - 22 Cells	\$1,671,669
		FY23/24 Ph 5 - 26 Cells	\$1,440,959
Funded To Date	<b>\$1,978,510</b>	Project Balance	<b>\$4,883,445</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 2 - 8 Cells	<b>\$1,924,406</b>	Project Total	<b>\$8,786,361</b>





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**Funding Recommendation**

36 12 Red Rocks Community College

**Refurbish West Wing Elevator, Lakewood Campus, Ph 1 of 1**

**\$272,483**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The West Wing (HERR0766) of the Main Campus building elevator provides access to the three levels of this wing. It is crucial in the movement of students, the receiving department, and the facilities department. The school's ability to distribute deliveries, tools and equipment is reliant upon this elevator. The elevator is over 40 years old and it is becoming hard to locate technicians familiar with the age of elevators and new usable parts for repairs. There are numerous ADA issues with the existing cab and also several safety concerns such as emergency controls are not at the bottom of the panel and accessible to people in wheel chairs and no audible signals or position indicators.

This project will modify the existing shaft to accommodate a new elevator cab and controls as well as new exterior call buttons.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Main Building, West Elevator	<b>\$272,483</b>	Project Total	<b>\$272,483</b>



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**Funding Recommendation**

37 12 Colorado State University - Pueblo

**Refurbish Elevators, Upgrade ADA Compliance, Three Buildings, Ph 1 of 1**

**\$795,453**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The elevators in the Administration Building (HESC1254) (pictured below), Life Science Building (HESC1248), and Chemistry Building (HESC1246) are original to these buildings, have reached their useful life, and need to be replaced. Replacement parts are becoming difficult to obtain which create an issue when critical repairs are required. If the elevators are not replaced there will reach a point where the elevators are inoperable. If this occurs, building egress will be jeopardized and could have a life safety impact, resulting in shutdown of entire areas of the buildings served by the inoperable elevators. There were two emergency repairs on the Life Science building elevator within the last two years.

This project would modernize the elevators in these three building.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Elevators, Three Buildings	\$795,453	Project Total	\$795,453



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Funding Recommendation

38 12 Adams State University

**Repair Electrical Distribution, Campus, Ph 1 of 3**

**\$1,661,534**

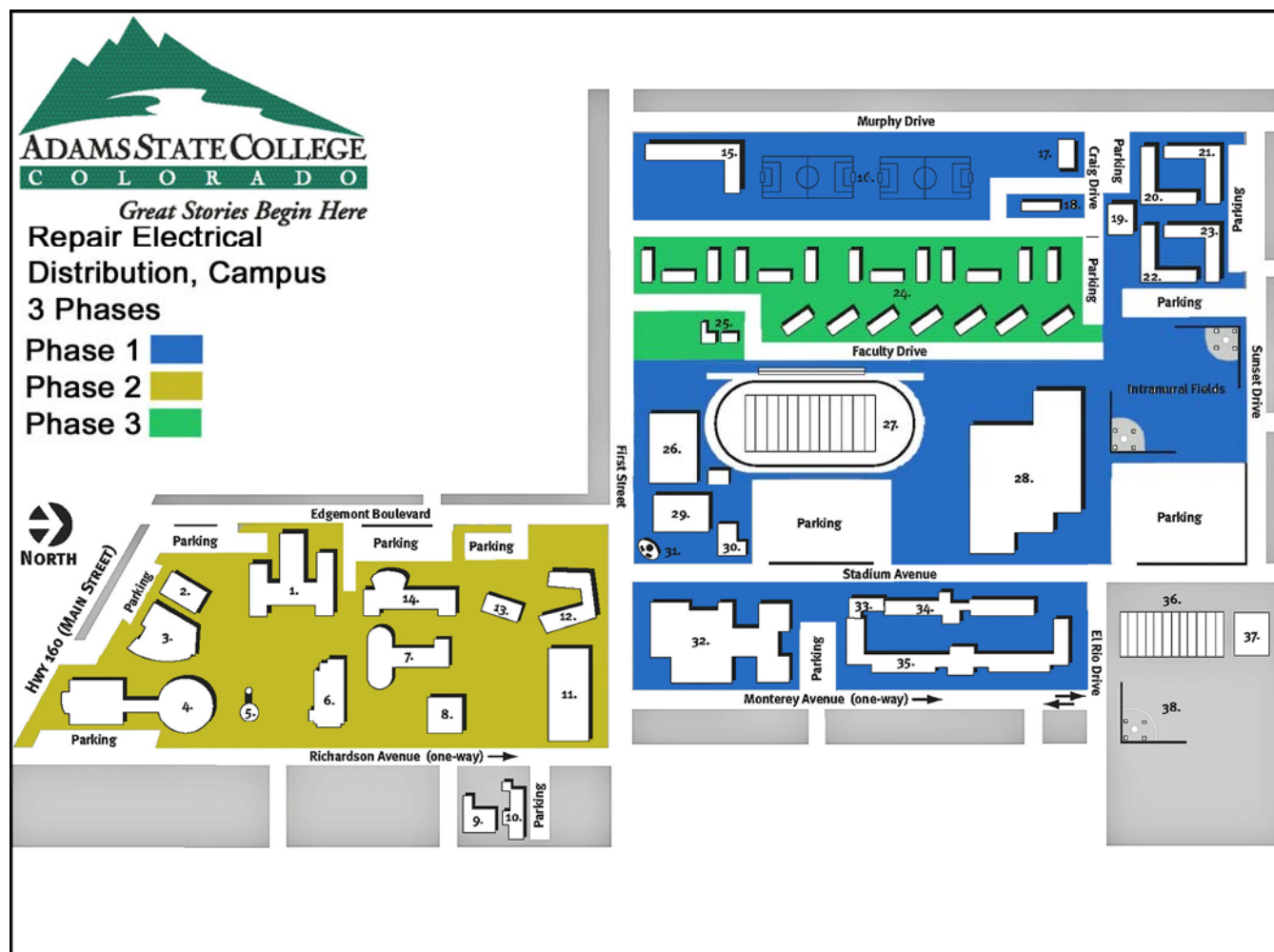
PROJECT DESCRIPTION / SCOPE OF WORK:

The medium-voltage electrical distribution for 75 percent of the campus is approximately 30 years old and well beyond useful life of 20 years.

This project will replace switchgear, transformers and the distribution system for most of the ASU campus. Phase 1 includes replacement of 11 transformers, 3 switchgear units and associated distribution. Phase 2 includes replacement of 1 switchgear unit, 8 transformers and associated distribution. Phase 3 includes 2 switchgear units, 7 transformers and associated distribution.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date		FY21/22 Ph 2 – Various Locations	\$1,499,628
\$0		FY22/23 Ph 3 – Various Locations	\$504,106
<b>Current Phase</b>		Project Balance	<b>\$2,003,734</b>
FY20/21 Ph 1 – Various Locations	<b>\$1,661,534</b>	<b>All Phases</b>	
		Project Total	<b>\$3,665,268</b>





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**Funding Recommendation**

39 12 Department of Human Services

**Refurbish HVAC Systems, B Building, CMHIFL, Ph 2 of 2**

**\$920,666**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building B (HSFL1010) at the Colorado Mental Health Institute at Fort Logan (CMHIFL) is used for the treatment of patients for rehabilitation. Two air handlers and high-temperature high-pressure (HTHP) hot-water-to-steam (or hot water) heat exchangers in are original from 1963. This air handling equipment provides primary heating and cooling for Building B. The heat exchangers provide steam for the air handlers and hot water for heating and domestic use. The equipment is no longer able to maintain adequate air distribution or water temperatures and does meet current code for air quality standards. The building has no operable windows, and there are no backup systems that provide any heating or cooling if this equipment fails.

Phase 1 addressed the design and replacement of air handler 1, piping and controls, and the installation of a temporary air handler system for both phases of the project. Phase 2 will include the design and replacement for air handler 2 along with the piping and controls for that air handler.

**PROJECT FUNDING:**

Prior Phasing 2019-053M19		Future Phasing	
FY19/20 Ph 1 - AHU #1	\$1,291,687	Project Balance	\$0
Funded To Date	\$1,240,997		
Current Phase		All Phases	
FY20/21 Ph 2 - AHU #2	\$920,666	Project Total	\$2,161,663



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**Funding Recommendation**

40 12 Arapahoe Community College

**Replace HVAC Primary Equipment, Main Building, Ph 2 of 3**

**\$1,816,915**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Arapahoe Community College's Main (HEAR0768) and Annex (HEAR0769) buildings have a common mechanical room that provides conditioned air and water for the HVAC equipment in these two buildings. The steam absorption chiller was manufactured in 1973. It was purchased as a used machine and installed in 1988 and refurbished in 2012. The chiller is beyond its life expectancy, parts are difficult to acquire, and is in jeopardy of failing. The cooling system does not have any redundancy and when it fails it will shut down the cooling system for the two buildings. The cooling tower that serves the chiller was installed in 1999 and is nearing the end of its life cycle. The cooling tower is inside the penthouse and should be relocated onto the roof as a package unit for ease of access. Other components associated with the chiller and tower are also in need of replacement. There are two steam boilers (B-1 and B-2). B-2 was replaced in 2008 and is in good condition. B-1 was manufactured in 1973, is the original boiler is failing, and because of its condition, is not a reliable backup boiler. Additionally, two large air handling units (AHU's) need to be replaced with the boiler because of their age and condition.

Phase 1 replaced the chiller and associated equipment and bring the room up to code. Phase 2 will replace the cooling tower and equipment. Phase 3 will replace the B-1 boiler and associated AHUs.

**PROJECT FUNDING:**

<b>Prior Phasing 2020-078M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - Chillers	\$1,692,460	FY21/22 Ph 3 - Boilers and AHUs	\$1,272,850
Funded To Date	<b>\$1,692,460</b>	Project Balance	<b>\$1,272,850</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 2 - Cooling Towers	<b>\$1,816,915</b>	Project Total	<b>\$4,782,225</b>





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**Funding Recommendation**

41 12 University of Colorado Denver

**Replace Chiller, Fitzsimons Building, Ph 1 of 2**

**\$1,068,667**

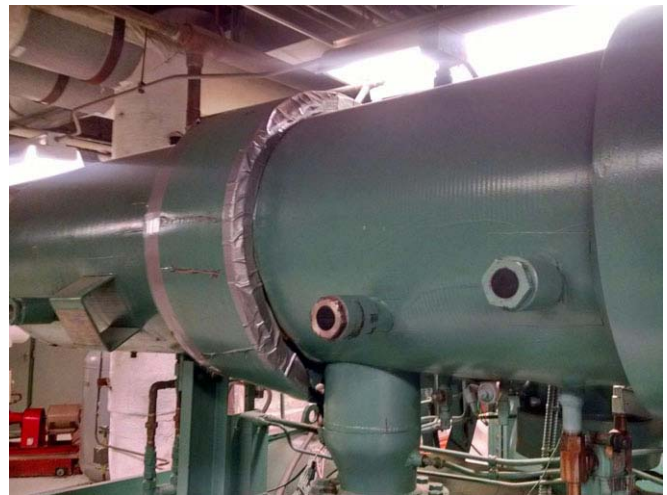
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Fitzsimons Building (UCD #Q20) is a 1941 facility that has three 30-year old chillers that provide emergency cooling for critical process needs and for nearby animal vivarium, a facility with highly sensitive controlled environments that contain animals in a semi-natural condition used in medical research and education. Process cooling also supports critical campus electronic communication backbone for the entire campus. Critical systems include fire & life safety, University police security, building automation, and affiliated UC-Health patient records. Additionally, the network supports educational needs through video conferencing. These three units are unreliable, present on-going maintenance problems, and use phased-out and non-regulatory compliance R-22 refrigerant.

Phase 1 includes, piping distribution modifications to provide a looped system and water treatment upgrades. Phase 2 will remove and install three new high-efficient 280 ton water-cooled chillers to replace existing chillers.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – 3 New Chillers	\$1,572,825
<b>Current Phase</b>		Project Balance	<b>\$1,572,825</b>
FY20/21 Ph 1 – Piping Distribution	<b>\$1,068,667</b>	<b>All Phases</b>	
		Project Total	<b>\$2,641,492</b>





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**Funding Recommendation**

42 12 Department of Personnel & Administration - Division of Capital Assets

**Upgrade/Replace HVAC Systems, 690 and 700 Kipling Buildings, Ph 1 of 2**

**\$1,368,850**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The HVAC system at 690 (GSCB0149) and 700 (GSCB6066) Kipling is comprised of central air handlers with fan powered VAV boxes that feed the perimeter offices and Carrier Moduline linear slot VAV diffusers that cool the central open office spaces. The existing VAV units are 32 years old. The Moduline and fan powered VAV's have reached their end of useful life and need to be replaced. The Moduline model and its replacement parts are no longer produced. Maintenance staff is continually finding inoperable parts due to wear and are forced to set dampers at a fixed point making them non-responsive to space temp demands.

The fan powered VAV's will be replaced like for like and the Moduline VAV's will be replaced with pinch down VAV boxes, new branch ducts, new supply grilles, and new wall mount thermostats. All VAV's will get new controls that will tie into the BAS making it easier to manage the building and more energy efficient. The building already has a DDC system so only field devices would need new controls. Phase 1 is the 690 Kipling building. Phase 2 is the 700 Kipling building.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - 700 Kipling	\$1,059,303
		Project Balance	<b>\$1,059,303</b>
Current Phase		All Phases	
FY20/21 Ph 1 - 690 Kipling	<b>\$1,368,850</b>	Project Total	<b>\$2,428,153</b>



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**Funding Recommendation**

43 12 Department of Public Health and Environment

**Replace Mechanical System, State Laboratory Building, Ph 1 of 1**

**\$1,432,580**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 847,469 sq. ft. Laboratory Building (PHAD2627) is used for specialized lab experiments for a variety of needs of the State. The mechanical systems are approximately twenty years old and are critical for the performance of the labs. For systems of this type, this age is typically at or near the end of the useful life. To avoid significant disruptions to building occupants and laboratory processes, mechanical systems should be replaced before major catastrophic failures occur to avoid impacts to ongoing lab work. CDPHE received a 1331 emergency supplemental project for \$1,421,454, which started in June, 2019 to replace the Phoenix air valve pneumatic actuators, the variable air volume actuators, and upgraded the building's direct digital control system.

This project will replace the additional mechanical system components: the steam boiler, hot water boilers, expansion tank, chillers, cooling towers, condenser water pumps, components of the roof top units, and the air compressor.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Mechanical System	<b>\$1,432,580</b>	Project Total	<b>\$1,432,580</b>





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**Funding Recommendation**

44 12 University of Northern Colorado

**Replacement Chiller, Michener, Ph 1 of 1**

**\$548,651**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The chiller serving the Michener Library (UNC #116) building is over 25 years old and at the end of its useful life. It was installed as part of a Controlled Maintenance project in 1993. Over the past several years, UNC has experienced many operating issues with the chiller, including pitting of tubes, erosion of the steel on the headers and pump failures.

This project will replace the chiller with an electric chiller. This will be much more energy efficient and will incorporate current chiller and control technology.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Chiller	<b>\$548,651</b>	Project Total	<b>\$548,651</b>





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**Funding Recommendation**

45 12 Department of Military and Veterans Affairs

**Site Flood Mitigation, Building Envelope Repairs, Watkins Readiness Center, Ph 3 of 3**

**\$378,540**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Watkins Armory (MANG4891) supports a critical Special Services Unit, and often hosts out-of-state units. The facility was constructed in an exposed location that experiences extensive sun, high winds and significant thunderstorms. Soils under and around the building are mostly clay and expansive in nature resulting in some slab and wall movement. The site is extremely flat, and storm water drains onto the site from acres of fields to the south. The building envelope and some building components and systems, especially those outside the building, have experienced accelerated deterioration due to exposure and building movement.

Phase 1 addressed all site and drainage work. Phase 2 repaired the building envelope and made interior repairs. This Phase 3 was originally included in the scope of project #2017-037M16, however, because of cost increases required to meet the Dept. of Defense Antiterrorism/Force Protection requirements a modified Phase 3 was added to the original project. This project will finish the exterior envelope portion by replacing the existing windows that have extensive air leakage from the failing frames and interior streaking from failed seals to comply with the International Energy Code.

**PROJECT FUNDING:**

<b>Prior Phasing 2017-037M16</b>	<b>CCF</b>	<b>FF</b>	<b>Future Phasing</b>	<b>CCF</b>	<b>FF</b>
FY16/17 Ph 1 - Site Drainage, Paving	\$667,130	\$667,130			
FY17/18 Ph 2 - Building Repairs (SB-267 funds)	\$271,210	\$271,210			
Funded To Date	<b>\$938,340</b>	<b>\$938,340</b>	Project Balance	<b>\$0</b>	<b>\$0</b>
<b>Current Phase</b>			<b>All Phases</b>		
FY20/21 Ph 3 - Window Repairs	<b>\$378,540</b>	<b>\$378,540</b>	Project Total	<b>\$1,316,880</b>	<b>\$1,316,880</b>



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46 12 Colorado State University - Pueblo

**Replace Campus Water Lines, Ph 2 of 3**

**\$919,809**

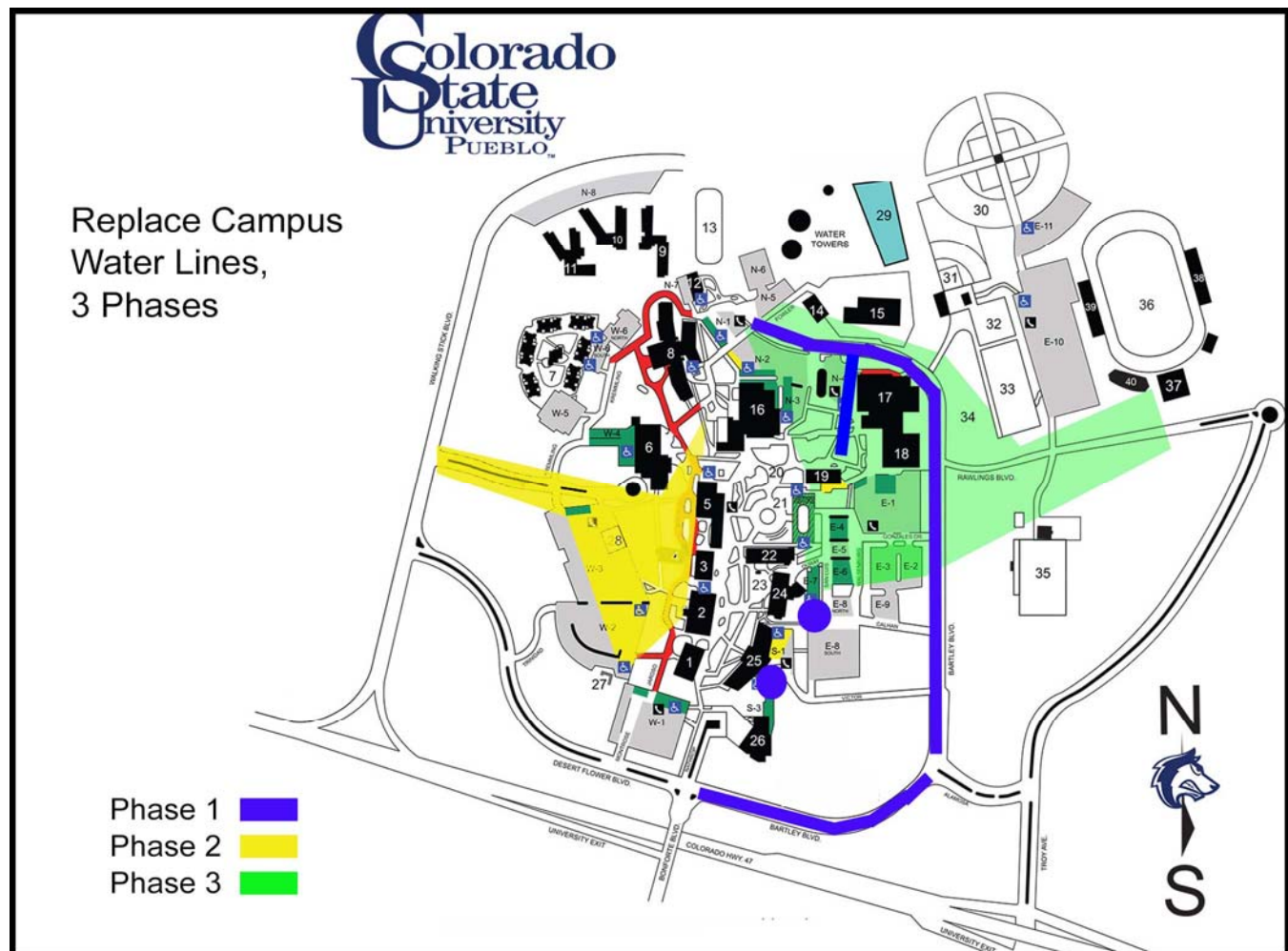
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The CSU-Pueblo campus existing domestic and irrigation water lines are deteriorating and many of the existing isolation valves are inoperable. The irrigation lines do not have the capacity to effectively irrigate the campus landscaping. The irrigation system has to operate 24 hours a day and does not cover all the necessary areas. For more efficient water management, the domestic and irrigation systems need isolation valves to better control water use, detect water leaks, maintain water pressure, and isolate portions of the campus main loop. The campus also desires to reduce irrigation water usage by converting select areas to xeriscape planting and drip irrigation.

Phase 1 designed and replaced six deteriorating water main loop isolation valves and upsize 600 lineal feet of the main line west of Massari Arena. Phase 2 will install a new water main tap, distribution lines, and tie-ins at new backflow prevention devices from municipal service, to completely separate all irrigation on west campus areas from the domestic water main loop. Phase 3 is similar to Phase 2, and address the east campus area.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
FY19/20 Ph 1 - Design and Indicated Items	\$900,680	FY21/22 Ph 3 - East Campus Lines	\$919,809
Funded To Date	<b>\$900,680</b>	Project Balance	<b>\$919,809</b>
Current Phase		All Phases	
FY20/21 Ph 2 - West Campus Lines	<b>\$919,809</b>	Project Total	<b>\$2,740,298</b>





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**Funding Recommendation**

47 12 History Colorado

**Replace Roofs, Santa Fe Trail Museum and Baca House, Ph 1 of 1**

**\$218,809**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The standing seam metal roofs at the Santa Fe Trail Museum (Pioneer) (HEHS4116) and Baca House Museum (HEHS4114) are in poor condition. The roof on the Baca House has not been replaced since the House was built in 1870. Portions of the Santa Fe Trail Museum roof have been replaced over the last one hundred years, but since the replacement was done in portions, the roof sections separate during high-winds and storms. This leads to water seeping in under the roof sections and causing damage to the adobe building. The agency has done various patches and repairs over the years, but these repairs are temporary fixes to roofs that have outlived their useful life. The roofs can no longer be repaired and should be replaced with new standing seam roof systems.

This project will replace the metal roofs with a similar design to meet historical requirements and energy codes.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Replace Roofs	\$218,809	Project Total	\$218,809





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**Funding Recommendation**

48 12 Colorado Northwestern Community College

**Replace Roof, Windows, Blakeslee and Allsebrook Buildings, Rangely Campus, Ph 1 of 1**

**\$416,826**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Blakeslee (HENW7728) and Allsebrook (HENW7726) buildings were both constructed in 1962 and approximately 15 years ago were conjoined with a short hallway between the two buildings. The roof on both buildings is continuously peeling back, causing severe leaking on the perimeter of the buildings likely causing damage to the roof deck, insulation, and building fascia. Of concern is the lab equipment used within the Dental Hygiene program; if the leaking continues to get worse damage to equipment may occur, having a negative impact to the academic program. The roofing system on the conjoined buildings began to leak in the hallway approximately four years ago, minor patching has occurred without successful results. OSA has approved a small emergency project to repair a few critical areas. Additionally, the windows of both buildings have leaks occurring, despite sealant and caulking. The windows do not provide any UV protection. The lack of Solar Heat Gain Factor (SHGF) causes the building to often exceed 78 degrees, even when the HVAC is running at 100% cooling capacity.

This project will remove the roofing system down to the 4x6 tongue and groove decking, inspect decking, replacing or repairing as needed and reinstall a 60 Mil single-ply roofing system with tapered insulation. New energy efficient windows would be installed with UV protection.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Blakeslee and Allsebrook	<b>\$416,826</b>	Project Total	<b>\$416,826</b>





Ref. No. Score

Funding Recommendation

49 14 History Colorado

**Fire Mitigation, Georgetown Railway Loop, Area C, Ph 2 of 3**

**\$517,791**

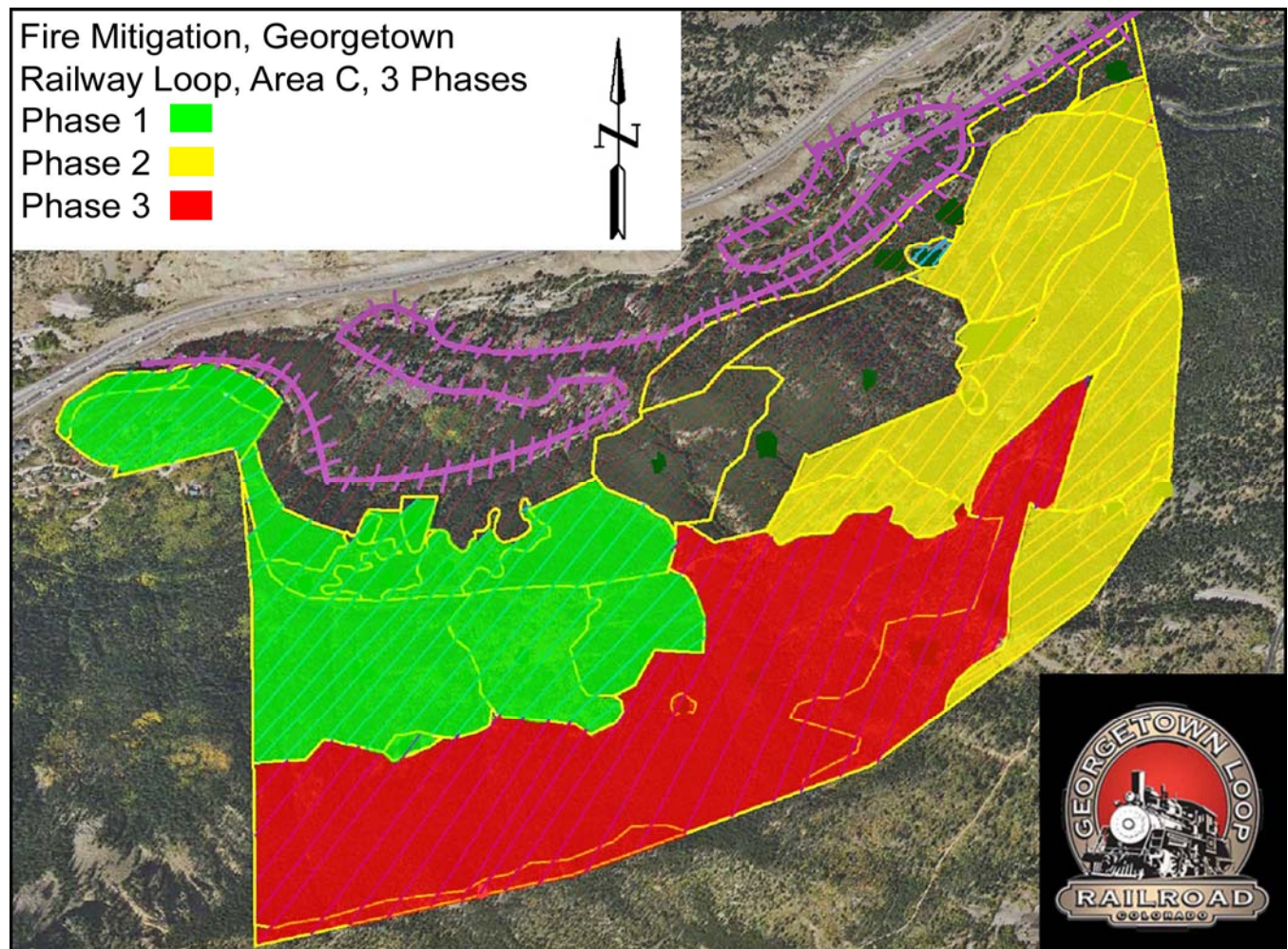
PROJECT DESCRIPTION / SCOPE OF WORK:

In consultation with Clear Creek County and Forest Service Fire Chiefs, the agency has determined areas of high fire danger exist outside of the fire break that was completed in 2013. The dead trees and overgrown live trees, if ignited, would pose a serious threat to property and personnel at the Georgetown Railway and Silver Plume site. A total of 525 acres were identified in the original study. Thus far, the agency has addressed 292 acres from this project and an earlier CM project, and this request would address the remaining 234 acres. The order of priority has been established based on forest health, habitat, and fire risk.

Each of the phases will address approximately 117 acres each during the summer season and will drop, de-limb and leave or chip material on-site.

PROJECT FUNDING:

Prior Phasing 2020-075M19		Future Phasing	
FY19/20 Ph 1 - 115 Acres	\$475,237	FY21/22 Ph 3 - 117 Acres	\$537,571
Funded To Date	<b>\$475,237</b>	Project Balance	<b>\$537,571</b>
Current Phase		All Phases	
FY20/21 Ph 2 - 117 Acres	<b>\$517,791</b>	Project Total	<b>\$1,530,599</b>





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**Funding Recommendation**

50 14 Department of Human Services

**ADA Accessibility Improvements, DYS, Ph 1 of 1**

**\$150,044**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Division of Youth Services (DYS) facilities are used to house individuals under the age of 18 for rehabilitative purposes. In 2017-18, CDHS commissioned a survey to conduct a partial Title II assessment of their physical assets. The assessment was limited to the public areas of selected high use facilities. These findings were reviewed and a plan to address deficiencies based on prioritization of high, medium and low.

This project will bring the following facilities into compliance: CO. Mental Health Inst. at Fort Logan (HSFL1017), Gilliam Youth Services Center (HSGC2826), Lookout Mountain YSC (HSLO2958), Marvin W. Foote YSC (HSYS8159), Mount View YSC (HSMV2929), Platte Valley YSC (HSYS8160), Wheat Ridge Regional Center (HSWR1165), CO. Mental Health Inst. at Pueblo (HSSH2913), Pueblo Regional Center (HSPY2837), Spring Creek Youth Services Center (HSYS8161), Zeb Pike YSC (HSZE2840).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – 11 Buildings	<b>\$150,044</b>	Project Total	<b>\$150,044</b>





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**Funding Recommendation**

51 14 Department of Personnel & Administration - State Capitol Building

**Replace Short Tunnel Roof, Capitol Building, Ph 1 of 1**

**\$1,949,130**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The tunnel system contains the utility distribution lines (chilled water, steam, communications, electrical and natural gas lines) which serve the Capital Complex including the State Capitol Building (GSCB0137). During recent construction/utility work at street level, the "short tunnel" masonry vault over a utility room below grade was found to have multiple penetrations. The condition of the existing masonry barrel vaulted ceilings and walls surrounding tunnel were investigated and staining and paint failure is evidence of water infiltration which could led to structural fatigue. If the vault fails, the utility lines will be compromised and the south entrance to the Capitol will be closed.

This project will involve excavation to expose the barrel vault and upper walls of the tunnel, provide a new 8" reinforced structural concrete lid, waterproofing, structural backfill, a new sidewalk over the tunnel and interior finish in the tunnel.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Short Tunnel	<b>\$1,949,130</b>	Project Total	<b>\$1,949,130</b>



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**Funding Recommendation**

52 14 Pikes Peak Community College

**Electrical Infrastructure Improvement & Emergency Generators, Downtown Studio, Ph 1 of 1 \$1,168,091**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Built in 1955 & 1970, the Downtown Studio Campus [DTSC] (HEPP7185) is comprised of two buildings; each with their own electrical and water service connected with an enclosed central entry that serves both buildings. Of concern is the age and reliability of the main power distribution and lack of an emergency power generator. Without an emergency generator, the life safety systems, emergency lighting, boilers and pumps are not available to protect the building against a prolonged power outage. An assessment of emergency campus electrical Infrastructure was completed in 2017.

This project will address the items the assessment recommended including replacement of existing supply panels, an emergency generator, reconfiguration of the supply to provide one source of power for both buildings, installation of a main power disconnect for the campus, and a single metering point. These items combined will create the necessary reserve capacity to support life safety and emergency service needs at the Downtown Studio Campus.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Emergency Generator	\$1,168,091	Project Total	\$1,168,091





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**Funding Recommendation**

53 14 University of Colorado Denver

**Improve Heating System, Building 500, Ph 2 of 5**

**\$782,607**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building 500, now the Fitzsimmons Building, (UCD #Q20) is an older 1941 facility that uses steam heat to address the perimeter heating needs (temperature loss through the exterior wall). Typical for older construction, steam convectors are installed below most windows and radiate heat. Temperature control is poor with a manually adjusted control valve at each unit. Steam service to this system is activated seasonally and is turned off in the summer. Environmental control is poor and occupant complaints are frequent. Additionally, the old steam and condensate piping is very old with extensive corrosion and numerous leaks. Water damage is a frequent problem. Under each window (approx. quantity of 766), the convector unit will be removed, along with the steam piping and capped off. Air duct modifications are required to install new air terminals with hot water reheat coils in each affected room. New hot water piping will be installed for the new coils. Automatic control improvements will also be added.

Phase 1 included Ground Floor and Heat Exchangers in North Wing & 1st West Area. Phase 2 includes 1st Floor and Heat Exchangers in East Wing. Phase 3 includes 2nd Floor and Heat Exchangers in Upper North Wing. Phase 4 work includes the 4th Floor, 5th Floor, and 8th Floor. Finally, Phase 5 will complete the 6th Floor and 7th Floors.

**PROJECT FUNDING:**

<b>Prior Phasing 2019-073M19</b>		<b>Future Phasing</b>	
FY19/20 Ph 1 - Ground Floor (51 Units)	\$727,427	FY21/22 Ph 3 - 2nd floor (130 Units)	\$900,409
		FY22/23 Ph 4 - 4th, 5th, and 8th Floors (162 Units)	\$1,001,348
Funded To Date	<b>\$727,427</b>	FY23/24 Ph 5 - 6th and 7th Floor (85 Units)	\$525,399
		Project Balance	<b>\$2,427,156</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 2 – 1 <sup>st</sup> Floor (78 units)	<b>\$782,607</b>	Project Total	<b>\$3,937,190</b>





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**Funding Recommendation**

54 14 Department of Personnel & Administration - Division of Capital Assets

**Repair East Perimeter Wall and Electrical Upgrades, Governor's Residence, Ph 1 of 1**

**\$400,000**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Governor's Residence (GSCB0147) is used for executive functions, public tours and catered events. The site is directly adjacent to Governor's Park which is open to the public and is separated by a historic brick wall. The Residence has received an exterior renovation but interior renovation and site restoration is still needed. This request addresses a section of the historic brick wall that separates the site from the park. Sections of the wall are degraded to the point where severe bulging has occurred along with mortar and brick spalling. A recent engineer's report designated this section as a moderate risk to failure which poses a potential danger to the public on the park side.

This project would rebuild a section of the wall and provide cap flashing to minimize water intrusion. Electrical panels which are past their useful life and spare parts for which are no longer available would be replaced. Also included is the replacement of landscape lighting which has failed and created several complaints of trips have occurred due to low levels of lighting.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Exterior Site Repairs	\$400,000	Project Total	\$400,000





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**Funding Recommendation**

55 14 Department of Human Services

**Refurbish HVAC and Mechanical Equipment, ZPYSC, PYSC, SCYSC, Ph 1 of 2**

**\$1,270,715**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The youth services centers houses individuals under the age of 18 for rehabilitative purposes. Mechanical equipment in both Zebulon Pike (ZPYSC) and Pueblo Youth Service Centers (PYSC) is from original construction in the 1980s. The Spring Creek (SCYSC) facility has original mechanical equipment from the original construction date of 1997. The mechanical equipment is starting to fail with increasing frequency and the equipment is reaching the end of its useful life.

Phase 1 will include a replacement of all original hydronic equipment, and support equipment, high-efficiency pumps, water heaters, expansion tanks and hydronic control valves at Zebulon Pike SZP098 (HSZE2841) (pictured below) and at the Pueblo Youth Service Center, SMH052 (HSPY2838) and SMH053 (SSPY2837). Phase 2 will address the Spring Creek facility SSC001 (HSYS8161) and will replace the existing air cooled chiller that provides central cooling for the facility. New electrical disconnects will also be replaced with code-compliant gear for all pumping and powered systems.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - SCYSC	\$1,022,743
		Project Balance	<b>\$1,022,743</b>
Current Phase		All Phases	
FY20/21 Ph 1 - ZPYSC and PYSC	<b>\$1,270,715</b>	Project Total	<b>\$2,293,458</b>



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**Funding Recommendation**

56 14 Department of Education - Colorado Talking Book Library

**Improve Site Drainage and Safety, Talking Book Library, Ph 1 of 1**

**\$529,444**

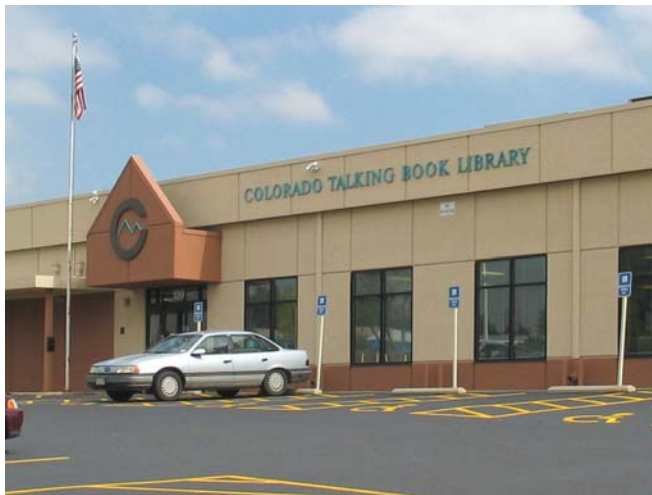
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Colorado Talking Book Library (EDAD6172), built in 1974, is unique as the State's Library of Congress National Library Service for the blind and physically handicapped and has been dedicated to providing reading materials to people that cannot read books since 1931. The program is housed in a one-story building purchased by the State in 1991. The 100% impervious site has many challenges such as: inadequate drainage causing icing of pavement presenting a fall hazard to staff and visitors (fall claims have been submitted), drainage directed toward the building's foundation causing deterioration, lack of accessibility (ADA) compliant pathways and parking spaces, damaged sidewalks, inadequate surfacing and trash and recycling dumpster enclosure, non-OSHA compliant loading dock railings, site paving that allows vandals to pull vehicles adjacent to lower roof allowing climbable access to upper roof, crazed and deteriorating pavement in parking areas, lack of curbs (allowing a vehicle to drive into the front of the building causing significant damage), and other site issues.

This project would address the identified problems and provide site improvements, upgrades, and repairs resulting in long-term benefit to the facility, visitors, and its occupants, while addressing aged sub-surface infrastructure.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Site Drainage and Safety	<b>\$529,444</b>	Project Total	<b>\$529,444</b>





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Funding Recommendation

57 14 Colorado State University

**Replacement Domestic Water Line, East Drive, Ph 1 of 1**

**\$484,745**

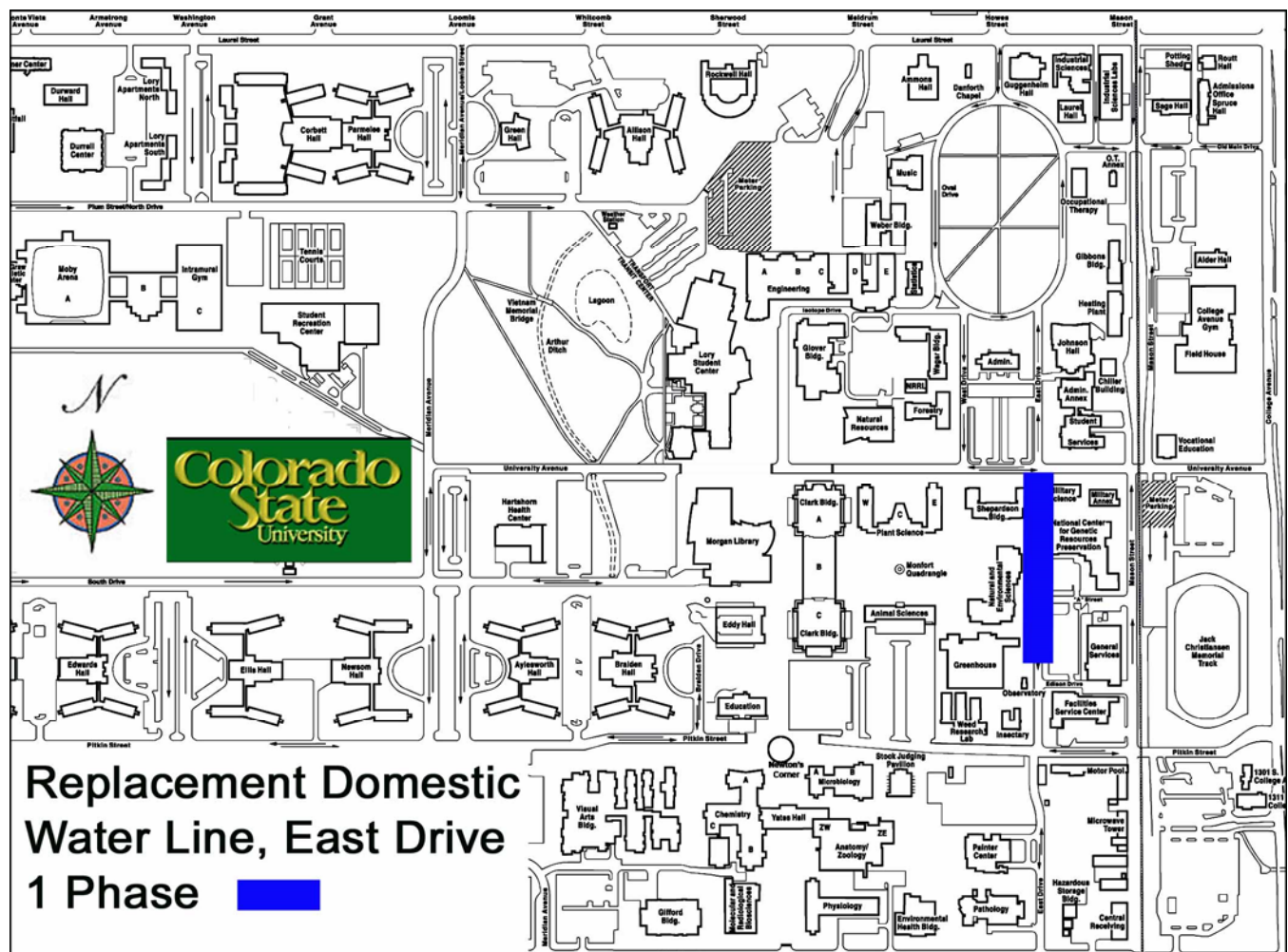
PROJECT DESCRIPTION / SCOPE OF WORK:

The cast iron domestic water line dating from the 1940's is beyond useful life and is undersized for current need. The original lining has eroded and shows significant tuberculation growth, reducing both water quality and line capacity. Loss of this water line would shut down 2 buildings until repairs are made. One of the buildings is the Plant Growth Facilities, with active plant research projects requiring large amounts of water. This research would be jeopardized. Water flow to the Federal Seed Storage lab would compromise the fire protection system. Drinking water quality will continue to deteriorate, requiring more frequent flushing of the system in order to meet regulations. The line is routinely flushed to maintain acceptable water quality.

This project will replace approximately 700 lf. of water line to accommodate current water supply needs for this area of campus.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – East Drive Water Line	\$484,745	Project Total	\$484,745



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**Funding Recommendation**

58 14 Colorado Mesa University

**Improve Building Envelope, AEC and Wubben/Science Buildings, Ph 1 of 1**

**\$466,326**

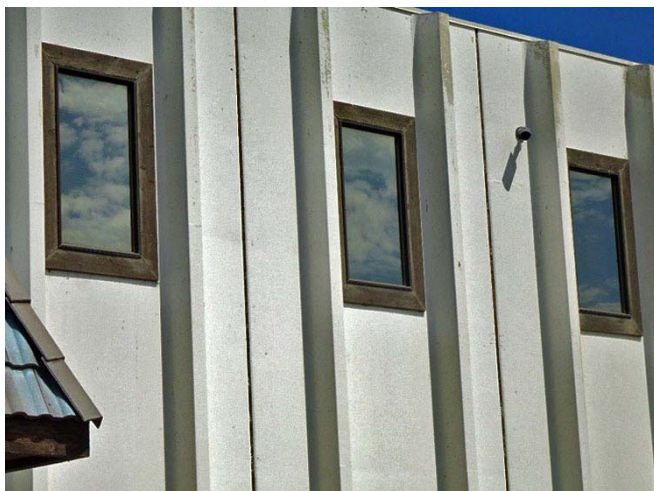
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Archuleta Engineering Building (CMU #2510) was constructed in 1983 and has windows that are 34 years old. The windows are a mixture of plastic skylights and double pane glass. The double pane windows are not thermally separated. Neither the existing double pane windows nor the plastic skylight windows meet the current International Energy Conservation Code requirements. In addition, the seals around the windows and doors are failing, which allows rain water to enter the building damaging interior finishes. Wubben/Science Building (CMU #220) has exterior windows that were replaced during the 2011 remodel in the Wubben portion. However, the windows in the Science building portion were installed in 1995 and not replaced. All exterior windows in the Science building are double pane, also failing, allowing rainwater to enter the building.

This project will replace the windows in both buildings with new double pane, thermally broke, aluminum windows.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Windows, 2 Buildings	<b>\$466,326</b>	Project Total	<b>\$466,326</b>





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**Funding Recommendation**

59 14 Department of Military and Veterans Affairs

**Replace Roof and Fire Alarm Systems, BAFB Building 1500, Ph 1 of 1**

**\$577,655**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building 1500 (MANG1004), located on a secure Air Force Base, is occupied by four COARNG Units/Programs. The Readiness Center function of the building currently utilizes approximately 11,780 SF of dedicated area, plus shared use of common classroom, conference room, restrooms, etc. There have been very few upgrades to major building components and systems. The roof is beyond its service life and the roof replacement design is complete and calls for new tapered insulation, new flashing, overflow gutter installation, new equipment curbs, solar tubes and replacement roof membrane. Likewise, the fire detection system is outdated and replacement parts are no longer available. Limited contractors are available to service the system due to its age. The fire suppression system was replaced in 2014.

This project would replace the fire alarm panel, and notification system. Other items to be addressed in this project include security and ADA accessibility improvements.

**PROJECT FUNDING:**

Prior Phasing 2017-037M16			CCF	FF	Future Phasing			CCF	FF
Funded To Date			\$0	\$0	Project Balance			\$0	\$0
Current Phase					All Phases				
FY20/21 Ph 1 – Roof Replacement			\$577,655	\$577,655	Project Total			\$577,655	\$577,655





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**Funding Recommendation**

60 14 Department of Education - Colorado School for the Deaf and Blind

**Roof Replacements, West and Argo Halls, Ph 1 of 2**

**\$614,892**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

West Hall (EDDB2617), built in 1934, is used to house staff and materials for the Outreach and Student Life departments. Substantial leaks over the years have caused structural and internal damage to the building. The upper floor has rooms that are not habitable due to the damage, mildew and mold issues over 10 years.

Phase 1 will address the smaller pitched portion of the roof which is covered in slate and will be repaired with new tiles and flashing. The flat portion of the upper roof will be removed and replaced with a new built-up roof type. The lower level roof decks will be stripped of tile, properly pitched, covered with a waterproof membrane and retilled. The interior finishes (plaster, paint, flooring, trim, electrical system and fixtures) that have been damaged by water infiltration will be repaired or replaced. Phase 2 will replace the roof at Argo Hall (EDDB2608), built in 1923, which houses IT servers and material storage on the lower level, conference room, cafeteria, food storage and food service space on the second level and dorm/apartment space on the upper level. The asbestos tiles are failing and coming loose from the structure and are often found on the ground and in roof drains. The built-up roof is improperly pitched causing ponding and standing water and the associated insulation saturated with rainwater. Falling plaster poses a physical danger to students seated below and is covered in lead paint in a food service area. The entirety of this roof will be removed and replaced with synthetic slate and built-up roof. As in phase 1, phase 2 will repair or replace the interior finishes.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Argo Hall	\$1,324,423
		Project Balance	<b>\$1,324,423</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - West Hall	<b>\$614,892</b>	Project Total	<b>\$1,939,315</b>





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**Funding Recommendation**

61 15 Department of Corrections

**Roof Replacement, Administration Building, CTCF, Ph 1 of 1**

**\$1,012,323**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The roofing systems on the Administration Building (COTC3042) and the Old Administration Building (COTC3043) located at the Colorado Territorial Correctional Facility (CTCF) are now over 50 years old with no remaining service life. Building 3042 is a low slope roof area covered with asphalt built-up roofing (BUR) that has an asphalt flood coat and aggregate surfacing. Building 3043 is a high sloped roof with T-Lock asphalt shingles. Both of these roofs are now in a much deteriorated condition. There have been splits in the roofing, flashing and expansion joints that have caused substantial leakage to occur inside the buildings. The interior gutter that surrounds the sloped roof of the 3043 building has leaked for some time and a needed deck replacement can be anticipated at this location.

This project will be installed in one phase. Building 3042 will receive a new built-up roof system (BUR) over an R-30 tapered insulation system to comply with the current building code and will include a new parapet, scuppers, and replacement of the damaged lightweight fill decking. Building 3043 will receive new shingle roof system, replace damaged decking, and the lining of the built-in gutter with a membrane roofing system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Admin. Bldg, & CTCF	<b>\$1,012,323</b>	Project Total	<b>\$1,012,323</b>



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**Funding Recommendation**

62 16 Department of Personnel & Administration - 1881 Pierce

**Restroom Modernization, Ph 1 of 1**

**\$1,058,963**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Pierce Street building (GSCS8749) was built in 1972 with a major addition on the south side in 1983 totaling 129,142 sq ft. Capitol Complex took ownership of the building in 2001. This building has not received major repairs or renovations since its original construction and consequently the restrooms are in need of complete rehabilitation to comply with current ADA requirements. The restrooms are used by both the public and staff. Access clearances are not adequate. Vanity heights and clearances do not comply. In order to meet ADA standards, the restrooms will require full renovation.

This project will renovate 12 areas to comply with current code by replacing twenty-eight toilets, six urinals, and twenty-eight sinks, lockers and refurbishing a dressing room.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Pierce St. Bldg.	\$1,058,963	Project Total	\$1,058,963





Ref. No. Score

Funding Recommendation

63 16 Colorado State University

**Repair C Basin Sanitary Sewer Outfall, Ph 1 of 1**

**\$497,127**

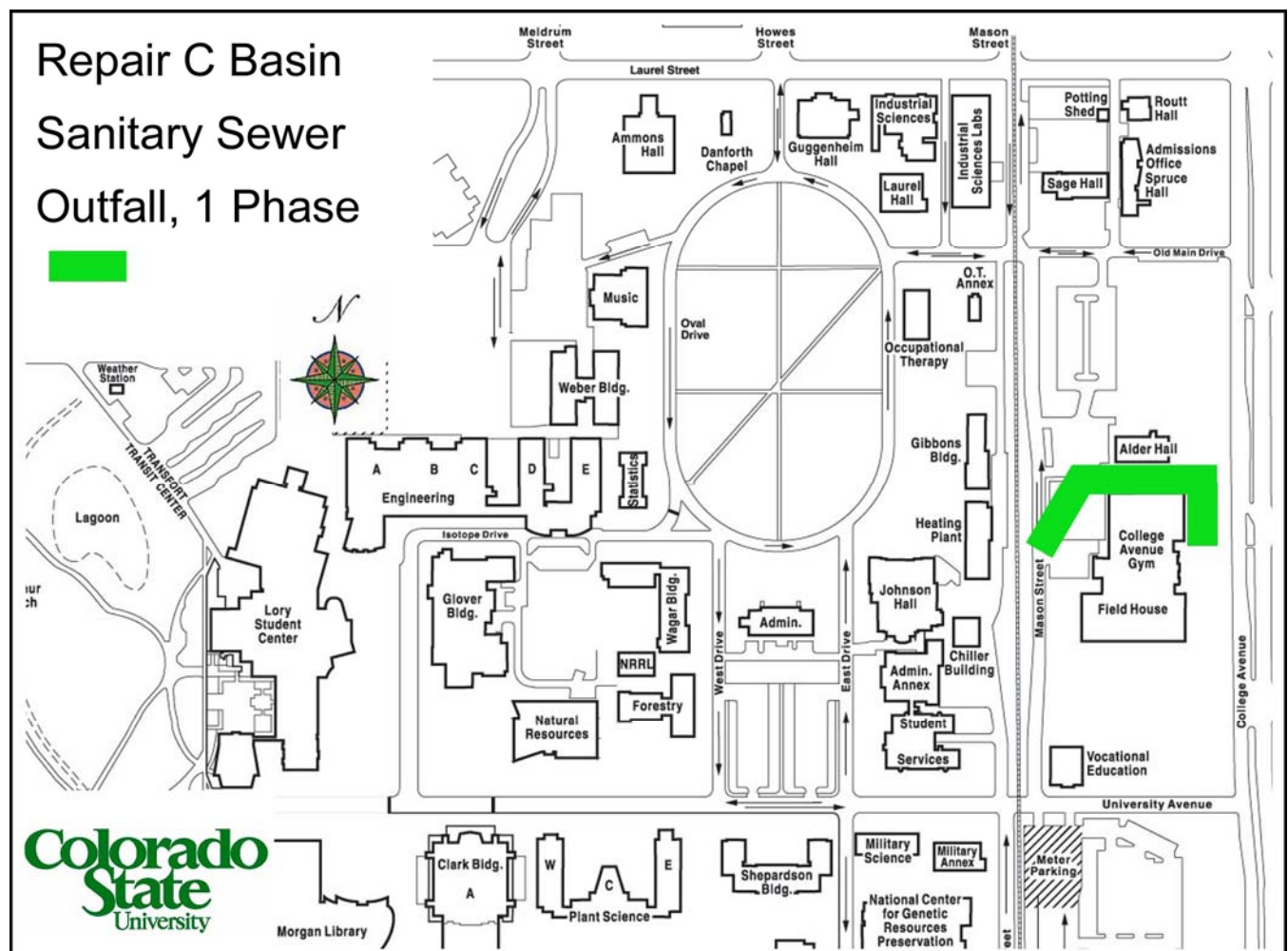
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Replace approximately 600 linear feet of clay sanitary sewer line and brick manholes dating from the 1920's. This sanitary main is at the end of its life and failure will necessitate the closure of up to 50 buildings on Main Campus, including the Moby complex, residence halls, Lory Student Center, Morgan Library, and multiple research facilities. Recently completed survey and modeling results show that the line is currently at capacity.

This project will replace the sewer line and manholes to match current drainage requirements.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – C Basin	497,127	Project Total	497,127



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**Funding Recommendation**

64 16 Department of Corrections

**Improve Door Security, Cellhouse 3, CTCF, Ph 1 of 1**

**\$1,632,874**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Cellhouse 3 (COTC 3045) at the Colorado Territorial Correctional Facility (CTCF) was constructed in 1951 and contains the restricted and dementia housing unit. These 32 cells have open grilles, which allow offenders to throw items at staff, yell and talk to one another, creating conditions counter to the restricted housing conditions for these offenders. The officers currently use a portable Lexan shield to protect themselves from the bodily fluids thrown by offenders through the open bars. Eight (8) cells were retrofitted with new cell fronts in 2006, through a Department Project Directive, consisting of a combination of grouted concrete masonry units and solid front sliding doors with a vision panel and access slot.

This project will retrofit the remaining 24 restricted housing cells in the east wing while providing offenders with accommodations which meet all applicable codes and safety requirements.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - CTCF	<b>\$1,632,874</b>	Project Total	<b>\$1,632,874</b>





Ref. No. Score

Funding Recommendation

65 16 Colorado School of Mines

**Upgrade Fire Alarm Mass Notification System, Ph 4 of 4**

**\$481,564**

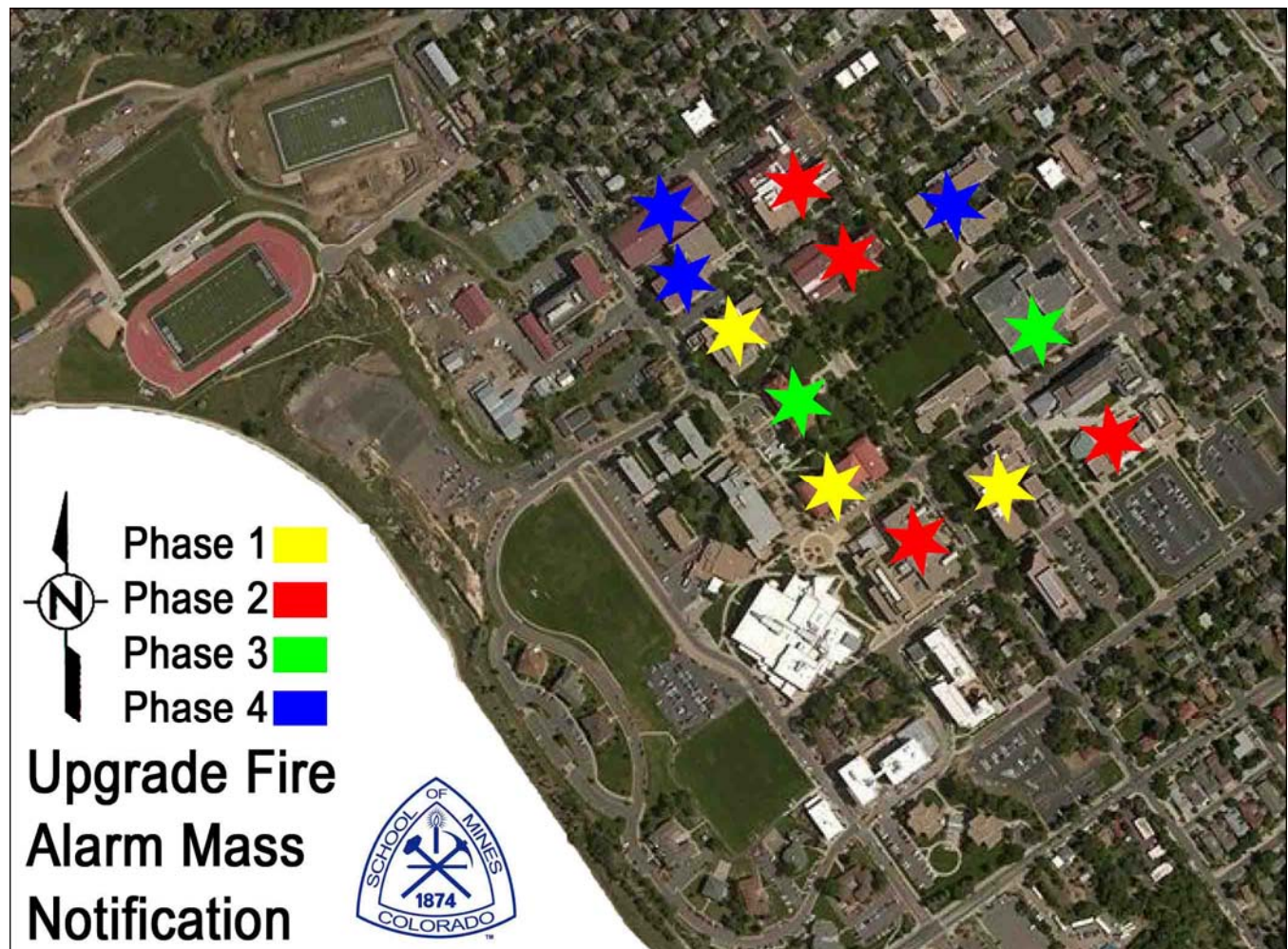
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The campus fire alarm network needs an upgrade to support modern Fire Alarm panel functions within campus buildings including equipment installation that will enable mass notification. The modern equipment provided by this project includes; digital voice control modules, digital amplifiers, speakers and strobes and will allow timely local Fire Department notification. Also included is mass notification to campus buildings in the event of dangerous situations such as severe weather or criminal activity. Adding the capability for timely notification of emergency first responders is critical to the health and life safety of students, faculty and staff.

Phase 1 included Alderson (HEMI4132), Lakes Library (HEMI4148) and Berthoud (HEMI4233), Phase 2 included Brown (HEMI4138), Chauvenet (HEMI4139), Coolbaugh (HEMI4140) and CTLM (HEMI8808), Phase 3 included Green Center (HEMI4144), and Guggenheim (HEMI4145), and Phase 4 includes Hill (HEMI4147), Steinhauer (HEMI4143) and Volk (HEMI4146).

**PROJECT FUNDING:**

Prior Phasing 2019-027M18		Future Phasing	
FY18/19 Ph 1 - Various Buildings	\$604,998		
FY19/20 Ph 2 - Various Buildings	\$671,378		
FY20/21 Ph 3 - Various Buildings	\$451,470		
Funded To Date	<b>\$1,727,846</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
FY20/21 Ph 4 - Various Buildings	<b>\$481,564</b>	Project Total	<b>\$2,209,410</b>





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**Funding Recommendation**

66 16 Colorado Community College System at Lowry

**Replace HVAC Equipment, Building 999, Ph 1 of 1**

**\$1,047,804**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building 999 (HEOE9121) is over 20 years old. The boiler, chiller, and most of the heating, ventilation, and air conditioning (HVAC) equipment and associated components are original to the building. The chiller is filled with R-22 refrigerant. The production or importation of R-22 refrigerant will end in 2020 necessitating the need to replace the unit beforehand. The three air handling units (AHU) are well beyond their serviceable life and unreliable. The original boiler is underperforming even after recent repairs. The hydronic piping is corroding and the controls system has failed at most terminal boxes.

This single phase project will align all systems, replace the boiler, chiller, and the three air handling units in the attic space and add controls to all HVAC systems in the building to provide greater temperature control and increase energy efficiency.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Building 999	<b>\$1,047,804</b>	Project Total	<b>\$1,047,804</b>



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**Funding Recommendation**

67 16 Department of Corrections

**Improve Door Security, Lower North, BVCF, Ph 1 of 4**

**\$1,521,748**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 15,427 SF BVCF Close Custody Living Unit (COBV9999) was constructed in 1963 to house 72 offenders. It is one of the two most secure housing units in the complex holding Close Custody (Level IV) offenders. The cells doors have open grilles which allow offenders to throw items at staff, yell and talk to one another, and are creating conditions counter to the restrictive conditions that these offenders are to be confined. Reports of incidents, including physical assaults on staff, have been documented.

This request will replace one tier of one day hall (18cells) that have the existing open grille cell fronts within the Close Custody Housing Unit – and is part of the Main Building Dorm (COBV9999). Each subsequent phase will address 18 cells in four phases total, eventually converting all the existing 72 cells within the unit to the new door style.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
		FY21/22 Ph 2 – Replace 18 cell doors	\$1,521,748
		FY22/23 Ph 3 – Replace 18 cell doors	\$1,521,748
		FY23/24 Ph 4 – Replace 18 cell doors	\$1,521,748
		Project Balance	<b>\$6,086,992</b>
Funded To Date	<b>\$0</b>		
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Replace 18 cell doors	<b>\$1,521,748</b>	Project Total	<b>\$6,086,992</b>





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**Funding Recommendation**

68 16 Department of Local Affairs - Fort Lyon

**Replace Chiller, Building 5, Ph 1 of 1**

**\$212,946**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building 5 (GSCS0069) is the main intake residence for the Fort Lyon program. It also houses most of the programmatic office spaces and an onsite medical clinic. Loss of cooling to this building would be extremely disruptive and jeopardize the health of all occupants. The clinic would need to be relocated as well as the staff offices potentially forcing several residents to leave the program until the system could be replaced. The Building 5 chiller has reached its end of life. The refrigerant used in the chiller will no longer be manufactured after 2019. Any component failure that causes loss of coolant would result in complete loss of cooling for building 5.

This project would replace the chiller which would also reduce utility costs.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Building 5 Chiller	<b>\$212,946</b>	Project Total	<b>\$212,946</b>





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**Funding Recommendation**

69 16 Colorado School of Mines

**Replacement of Hazardous Laboratory Exhaust Fans, Campus, Ph 1 of 3**

**\$480,208**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The three buildings in this request all have large laboratory exhaust systems that remove hazardous fumes and vapors from the labs. They are served by industrial scale fans that pull the air out of the labs and exhaust it safely above the roof. These fans are beyond their useful life, in some cases over 30 years old.

Phase 1 would replace the fans on Berthoud Hall (CSM #BE). Phase 2 would replace the fans on Coolbaugh Hall (CSM #CO). Phase 3 would replace the fans on Alderson Hall (CSM #AL).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date		FY21/22 Ph 2 - Coolbaugh Hall	\$1,282,401
\$0		FY22/23 Ph 3 - Alderson Hall	\$837,459
<b>Current Phase</b>		Project Balance	<b>\$2,119,860</b>
FY20/21 Ph 1 – Berthoud Hall	<b>\$480,208</b>	<b>All Phases</b>	
		Project Total	<b>\$2,600,068</b>





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**Funding Recommendation**

70 16 Colorado State University

**Replace Roof, B Wing, Engineering Building, Ph 1 of 1**

**\$518,166**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Engineering Building (CSU #3217) A and B wing roofs are more than 20 years old, are experiencing multiple leaks, and are in need of replacement. The leaks are increasing the time and resources necessary to protect the building. The Engineering Building is a primary laboratory and classroom building on main campus. The roof consists of insulated modified bitumen roof membrane with granule surfacing. All existing roofing and insulation will be removed to concrete deck. The new roof will have minimum a thermal insulation value of R-30 and it will also incorporate tapered insulation. The new roof will be a fully adhered 60 mil single-ply roofing system.

This project request removes and replaces deteriorated roofing components with up-to-date roofing systems. The project will facilitate a better drainage process to reduce water pooling. The damaged insulation will be replaced and additional insulation added to meet the current energy code.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Engineering Building	<b>\$518,166</b>	Project Total	<b>\$518,166</b>



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**Funding Recommendation**

71 16 Northeastern Junior College

**Knowles Hall Roof and East Entrance Replacement, Ph 1 of 1**

**\$646,819**

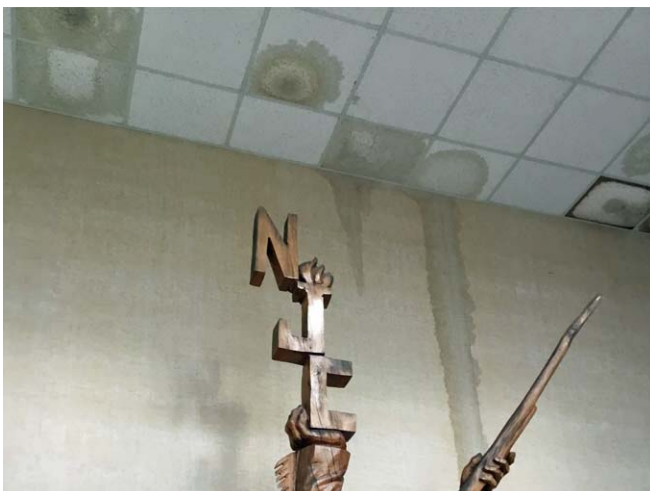
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Knowles hall (HENE4263) roof has reached end of life and needs replaced. The roof has been repaired several times over the past several years but can no longer be repaired. The east entrance is a glass enclosed atrium style entrance that leaks anytime NJC receives moisture. NJC would like to replace the existing roof to prevent damage to the library walls, flooring, books and equipment. NJC would also like to replace the east entrance with a solid entrance that is not glass to prevent further damage to the interior. NJC also needs to update the fire alarm system for the library as it is not covered in the existing system.

The project will replace/upgrade the roof and install and expand the fire alarm system to include the library.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Knowles Hall	<b>\$646,819</b>	Project Total	<b>\$646,819</b>





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**Funding Recommendation**

72 16 Trinidad State Junior College

**Roof Replacement, Mullen Building, Ph 1 of 1**

**\$303,061**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Mullen building (HETR0202) roof is leaking through failed seams and deteriorated masonry at top of parapet walls. Because of the leaks and the masonry problems, water is leaking into the building down the masonry walls and through other roof points of failure. The masonry is thin and light weight and in a strong wind could be blown off the building and onto pedestrians and adjacent cars. The roof is a hot tar roof with gravel.

This project will replace the roof and repair the parapets.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Mullen Bldg	<b>\$303,061</b>	Project Total	<b>\$303,061</b>





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**Funding Recommendation**

73 16 Front Range Community College

**Replace Harmony Library Roof, Larimer Campus, Ph 1 of 1**

**\$468,802**

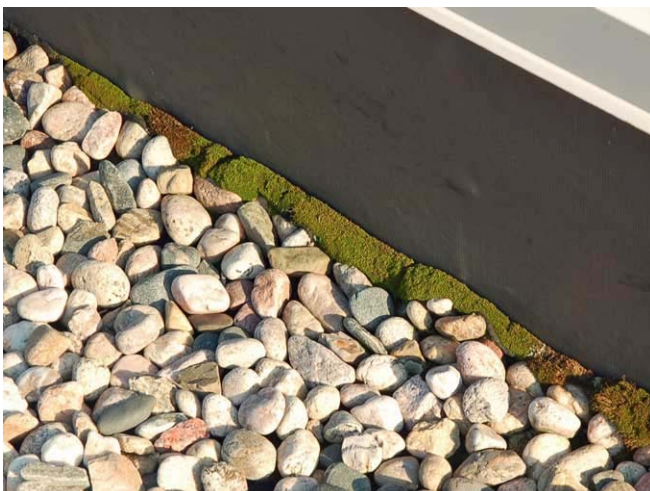
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Harmony Library facility (HEFR0757) has a partnership with the Poudre River Library District. The Library District and staff are the tenants and the school is the landlord that maintains the facility. Repeated leaks over the last two years have caused damage to building contents, disrupted activities, and impacted the use of a community room within the library. In addition, the fire alarm panel located in the facility has been compromised due to water infiltration and needs to be replaced.

This project will replace the roof with a 60 mil single-ply ballasted membrane with tapered insulation to meet current code requirements.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Harmony Library	<b>\$468,802</b>	Project Total	<b>\$468,802</b>



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Funding Recommendation

74 18 Fort Lewis College

**Replace Fire Alarm Equipment, Multiple Buildings, Ph 1 of 2**

**\$1,125,504**

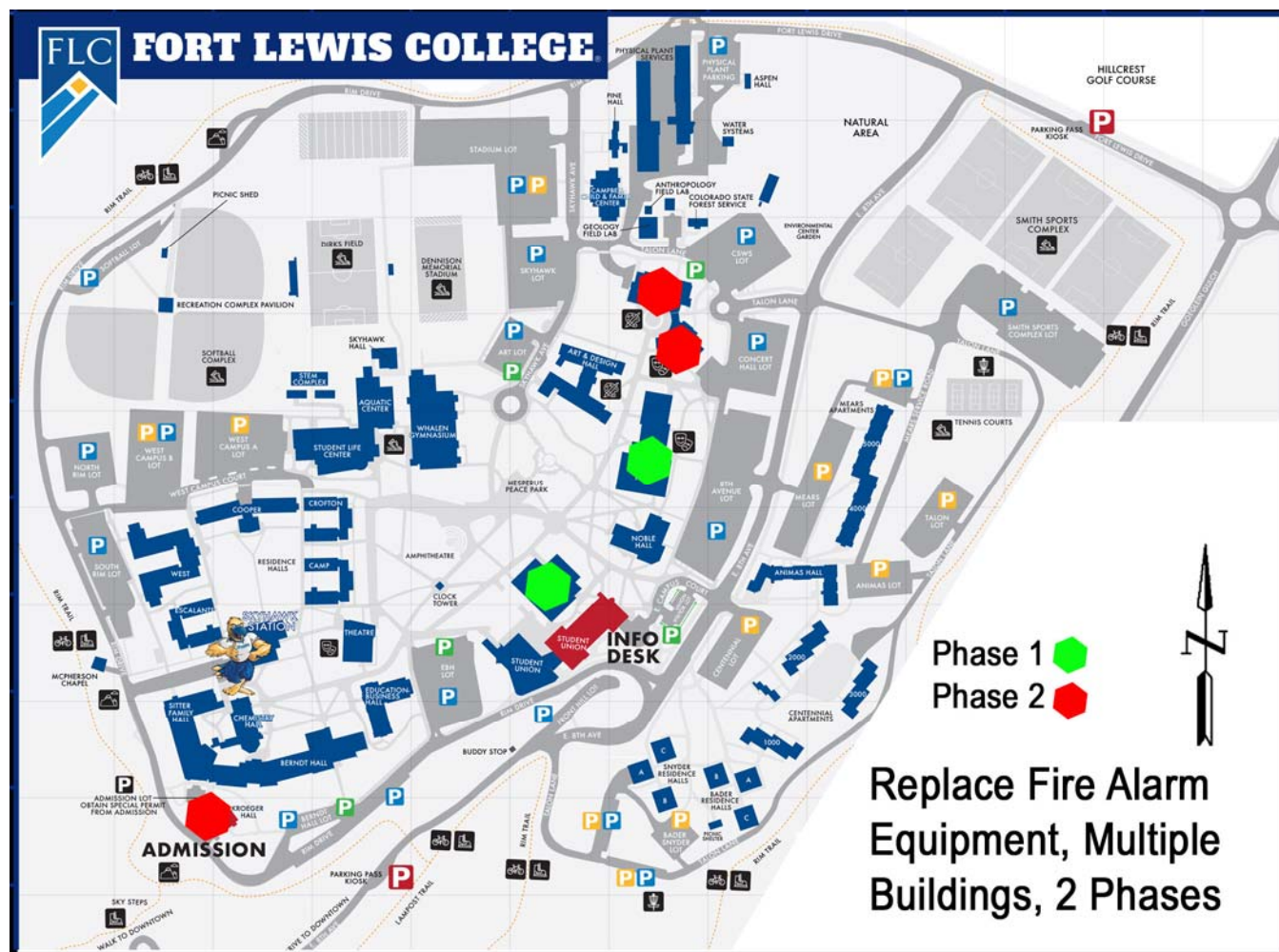
PROJECT DESCRIPTION / SCOPE OF WORK:

The existing fire alarm systems in five buildings were installed in the late 1990's and early 2000's and were equipped with fire alarm panels that are no longer manufactured. The manufacturer has advised FLC that the panels are approaching obsolescence and parts are increasingly difficult to obtain.

Phase 1 will complete the design for both phases and the replacement of fire alarm panels at Reed Library (FLC #28) and at Jones Hall (FLC #36). Phase 2 will replace fire alarm panel at Community Concert Hall (FLC #18), Center of Southwest Studies (FLC #48) and Kroeger Hall (FLC #13).

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – 3 Buildings	\$1,104,414
Current Phase		Project Balance	<b>\$1,104,414</b>
FY20/21 Ph 1 – Reed and Jones Buildings	<b>\$1,125,504</b>	All Phases	
		Project Total	<b>\$2,229,918</b>





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**Funding Recommendation**

75 18 Auraria Higher Education Center

**Replace Main Electrical Switchgear, Campus, Ph 1 of 1**

**\$1,203,199**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The existing switchgear in the Arts Building (HEAU 1204) was originally installed in 1975 when the Auraria Campus was first constructed and is in excess of 40 years old. While still functional, the switchgear is beyond its expected service life. Replacement parts are becoming difficult to obtain. As with all primary electrical equipment, bus and switch insulation levels have degraded over time and the potential for electrical faults to develop and spread within the switchgear and the building are elevated. The fuse elements in the old switchgear are limited in their ability to coordinate with the newer main switchgear. This switchgear resides within an occupied building and is a safety issue. Modern design practice is to locate primary switchgear outside of buildings to lessen the potential for damage to property and persons.

The solution is to remove the primary switchgear from the building in its entirety and replace it with pad mounted switchgear located outdoors, away from the building. This solution would result in increased coordination, less system down time, less risk of damage and injury, better access for maintenance and would extend the life of the switchgear systems significantly.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Arts Building	<b>\$1,203,199</b>	Project Total	<b>\$1,203,199</b>



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**Funding Recommendation**

76 18 Colorado State University

**Refurbish Water Wells, Pumps, Ditches, ARDEC, Ph 1 of 1**

**\$1,048,555**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The CSU Agricultural Research Development and Education Center (ARDEC) (near Wellington) is composed of approximately 996 acres of crop land that is irrigated by well water. There are currently 51 active research projects on the site and failure of any one well would be catastrophic to academic programs and research. The priceless water rights require that each well be specific to a particular land parcel. The irrigation well components and infrastructure are 40-60 years old and need repair or replacement to improve water flow and prevent complete failure. The work would include the replacement of existing well casing, lining, pump, motor, electric feed from disconnect, and fracturing of the well to regenerate water flow. Portions of the concrete ditches and the PVC piping distribution system needs to be replaced along with the installation of new isolation valves. One of the wells feeds the fire suppression pond. It provides water to multiple fire hydrants on the site.

This project will repair and replace numerous wells, ditches, pumps, replace liners and other associated components across the ARDEC location.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - ARDEC	<b>\$1,048,555</b>	Project Total	<b>\$1,048,555</b>





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**Funding Recommendation**

77 18 Department of Human Services

**Refurbish Ash Conveyor System, Heat Plant, CMHIP, Ph 1 of 2**

**\$1,578,173**

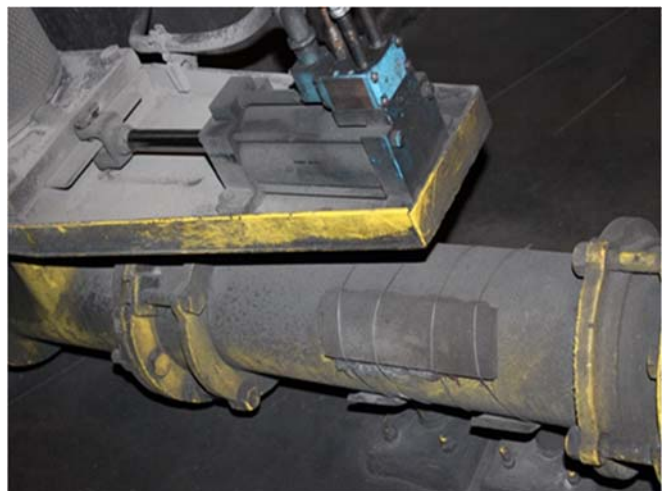
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Central Heating Plant (HSSH6063) at CMHIP provides heat to multiple buildings on the campus. The coal-fired system was placed in service in 1988 and has suffered multiple failures over the years due to the abrasive and corrosive material being conveyed. The majority of the system is degraded enough to make it extremely difficult to maintain the vacuum required for movement of ash to the ash storage silo. This project will replace the system that pneumatically removes bottom ash, fly ash and soot from the two coal-fired boilers. This includes the top walk-in bag removal of the intermittent vacuum pack, silo bin vent filter, ultra-flo mixer with steel trough, an 18" rotary vane feeder, cylinder-operated silo discharge gate, 4-clinker grinder and other related system components.

The project will also integrate into the existing control system for the entire plant. This will ensure continual operation with minimal interruptions. Phase 1 includes replacement of all ash piping, ash valves, and ash grinders. Phase 2 will replace the blower, ash conditioner, valves, particle separator, piping and valves.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - Blowers, Valves, Separator	1,470,037
		Project Balance	<b>\$1,470,037</b>
Current Phase		All Phases	
FY20/21 Ph 1- Piping, Valves, Grinders	<b>\$1,578,173</b>	Project Total	<b>\$3,048,210</b>





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**Funding Recommendation**

78 18 Department of Education - Colorado School for the Deaf and Blind

**Upgrade HVAC, ADA, Electrical, Early Education Center, Ph 1 of 1**

**\$1,091,935**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 5,754 sq. ft. Early Education building (EDDB2610), built in 1957, is used as a kindergarten and grade school and needs upgrades to the Life Safety, ADA, mechanical, electrical, and plumbing components. The original ventilation system was designed to provide the structure with 100% fresh make-up air at all times with the corridors being positive in pressure relative to the classroom spaces. In this configuration, smoke from a fire event will be drawn into the classroom spaces which house children of preschool age and are deaf/hard of hearing or blind. This building does not have a fire sprinkler system installed. The chilled water coil that was added to the existing duct work to cool the building is inadequate size, along with the size of the duct work throughout the building, as it was not intended to provide cooling to the current loads building when installed. The building contains no egress lighting or emergency generator to provide a safe path of egress for young students. Many ADA compliance issues exist with the plumbing fixtures and building hardware.

The scope of this project will install a new modern HVAC system, a fire sprinkler system, egress lighting and connect the building to an emergency generator and install ADA compliant plumbing fixtures and building hardware.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Early Ed. Bldg.	<b>\$1,091,935</b>	Project Total	<b>\$1,091,935</b>





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**Funding Recommendation**

79 18 Lamar Community College

**Campus Accessibility Compliance, Ph 1 of 1**

**\$650,000**

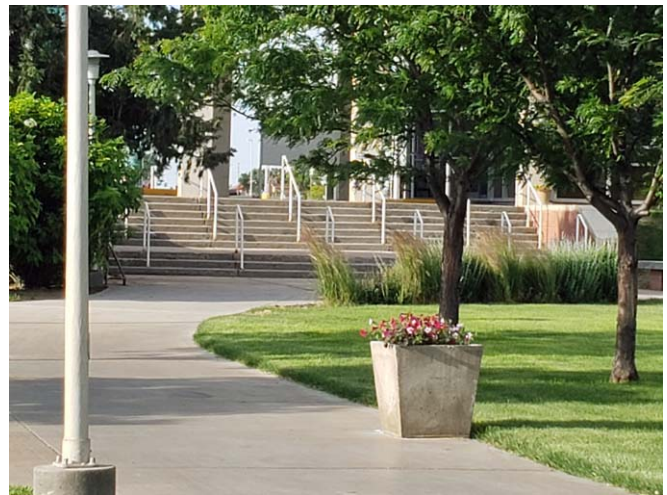
**PROJECT DESCRIPTION / SCOPE OF WORK:**

In June of 2016, the Colorado Community College System (CCCS) conducted an ADA Compliance Audit of the LCC campus, most of which was built prior to the American's with Disabilities Act. Numerous deficiencies were noted including non-compliant parking lots, sidewalks, and bathrooms. In some cases, disabled individuals could be directed to another area for ADA compliant bathroom facilities or building, sidewalk, or parking access.

This project will bring LCC in compliance with the CCCS findings and be better able to provide appropriate access to students, employees, and guests with disabilities.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Lamar Campus	<b>\$650,000</b>	Project Total	<b>\$650,000</b>





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**Funding Recommendation**

80 18 Community College of Aurora

**Roof Replacement, Administration Building, Ph 1 of 1**

**\$434,240**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Administration building (HECA6022) is a two-story office building with an internal drain and overflow system. The ballasted single-ply roofing is shrinking away in some locations, wearing away in other locations, and pulling from the parapet walls. Leaks have occurred in a number of locations down the center of the building and the south end of the building. Water has pooled in locations where inappropriate slopes are found next to the single large HVAC unit.

This project will remove and replace the roofing membrane, add insulation and a taper system to better direct the flow of rainwater to the drain system. This project will also evaluate the roof drains themselves and establish whether any caps or plumbing needs to be replaced.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Admin. Building.	\$434,240	Project Total	\$434,240





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**Funding Recommendation**

81 18 Front Range Community College

**Replace Mechanical System and Update Controls, Challenger Point, Larimer Campus, Ph 1 of 1 \$995,805**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Challenger Point (HEFR0758) white coated single-ply 18-year old roof is at the end of its life, deteriorating and is proving costly to repair. The 2015 roof audit identified areas of concern including: water ponding, leaks, failing single-ply roofing, cracked plastic skylights and wear under concrete pavers. All these issues have contributed to roof leaks. In addition, the aging heating, ventilation, and air conditioning (HVAC) pneumatic control system needs to be replaced with current technology which can be integrated into the building automation system. The addition of insulation to the roof and the upgraded controls will improve the energy efficiency of this building.

This one-phase project will replace the roof with a new single-ply roofing system, add insulation, and install a new HVAC control system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Challenger Point	\$995,805	Project Total	\$995,805



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**Funding Recommendation**

82 18 Department of Human Services

**Replace Roofs, Five Buildings, CMHIFL, Ph 1 of 2**

**\$1,143,240**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Mental Health Institutes at Fort Logan (CMHIFL) contains many buildings that are used for mental health treatment and rehabilitation. This project will address deteriorated roofing in two phases at seven buildings on the Ft. Logan campus. The existing roofing has been repaired many times and the roofing systems are beyond the useful life of 25 years. In 2004 a roofing consultant prepared an analysis and phasing program with recommendations for repairs and replacement.

Phase 1 will replace the roof on the KE building (HSFL1022) with new tapered insulation, and a fully adhered 90 mil membrane, and replace the existing shingle roofing with a new shingle roofing system on building C (HSFL1011) and J plant (HSFL1018). Phase 2 will replace the built up shingle roofing on buildings A (HSFL1009), B (HSFL1010) with a new shingle roofing system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	FY21/22 Ph 2 - Buildings A, and B	\$1,220,991
		Project Balance	<b>\$1,220,991</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Buildings KE, C and J	<b>\$1,143,240</b>	Project Total	<b>\$2,364,231</b>





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Ref. No. Score

**Funding Recommendation**

83 20 Colorado Community College System at Lowry

**Upgrade HVAC System, Building 905, Ph 1 of 1**

**\$1,992,187**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The New American School, building #905 (HEOE9117) mechanical system is original. The system has received a few upgrades since it was installed in 1953. The steam control valves are either frozen and the few that work are controlled manually by the maintenance crew. The boiler needs to be retrofitted from steam to hot water for better control and to match the new baseboard system. There are several rooms that have no ventilation. The rooms without ventilation are very stuffy and uncomfortable. This project will add a relief air system to assist with over pressurization within the heating, ventilation, and air conditioning (HVAC) system. This project will retrofit the steam boiler, upgrade or replace steam piping/coils to hot water supply, add direct digital controls (DDC) to system, and replace roof-top units (RTUs) to reduce maintenance issues and increase energy conservation.

This project will retrofit the steam boiler, upgrade or replace steam piping/coils to hot water supply, add DDC controls to HVAC system, and replace RTU to reduce maintenance issues and increase energy efficiency.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Bldg. 905	\$1,992,187	Project Total	\$1,992,187



Ref. No. Score

**Funding Recommendation**

84 20 Western Colorado University

**Upgrade HVAC Systems, Academic Buildings, Ph 1 of 1**

**\$884,785**

PROJECT DESCRIPTION / SCOPE OF WORK:

Western Colorado University currently has nine buildings Taylor, Kelley, Hurst, Quigley, Crawford, Paul Wright Gym, Savage Library, Whipp, Mountaineer Field House served by aging mechanical systems that rely on inefficient pumps to circulate hot water for heating and fans to circulate air. This work will be performed on components that are adjacent to prior approved controlled maintenance work.

This project will replace all aging pumps utilized for building domestic hot water and heating water will be replaced. Except the recently replaced pumps at Quigley and Paul Wright Gym. All fans that utilize belts will be fitted with adjustable auto-tensioning motor bases, new belts and sheaves (grooved pulleys)

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Various Bldgs.	\$884,785	Project Total	\$884,785





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**Funding Recommendation**

85 20 Department of Public Health and Environment

**Replace Emergency Generator, Argo Water Treatment Facility, Ph 1 of 1**

**\$376,200**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The 9,300 sq. ft. Argo Water Treatment Facility (PHHW001), built in 1997, is used to treat water that emerges from old mining operations so it can be safely released into the river. The emergency generator and automatic transfer switch (ATS) are original to plant construction. As the result of new equipment added to the water treatment system, the generator is insufficiently sized to support the full load of the transfer switch, and panel board is shunt tripped when the emergency power is used thus disabling the lights and receptacles. The incoming power analyzer is no longer functional. During maintenance inspections, electrical consultants have recommended replacing the ATS due to its age and the inability to obtain replacement parts.

This project will adequately size and replace the emergency generator and transfer switch.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Argo Treatment Facility	<b>\$376,200</b>	Project Total	<b>\$376,200</b>



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**Funding Recommendation**

86 20 Department of Human Services

**Replace Hydronic Valves, Southern District, Ph 1 of 2**

**\$720,887**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Southern District has many facilities used to house and rehabilitate individuals for improved mental health. This is a two phase project to replace the control valves and pneumatic actuators at various locations due to the existing equipment's age. The existing equipment has degraded to a point where controls are no longer effective. The result is poor air control and increased energy use. Parts are no longer available and custom machining is required to replace parts. Existing supply air piping is failing which results in a very difficult process to locate the problem and perform a subsequent repair. This project will replace all the pneumatic control valves with electronic actuated valves and controls.

Phase 1 will address the equipment at Building 121 (HSSH2892). Phase 2 will address the actuators at Building 119 (HSSH2890) and Building 120 (HSSH2891).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Buildings 119 and 120	\$831,383
		Project Balance	<b>\$831,383</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1- Building 121	<b>\$720,887</b>	Project Total	<b>\$1,552,270</b>





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**Funding Recommendation**

87 20 History Colorado

**Install Geothermal Heat System, Officer's Quarters, Ft. Garland, Ph 1 of 1**

**\$485,084**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Community Museums have been updating exhibits that are old and outdated. The exhibit in the Commandant's Quarters (HEHS4103) at Fort Garland Museum is the oldest exhibit of all of the agency's museums. There is currently no heat in the Commandant's Quarters and an analysis from a contracted consultant has shown the most efficient and inexpensive way of heating the building is through geothermal heat. The Officer's Quarters currently utilizes geothermal energy for heat and it has been recommended to pursue geothermal energy for the remainder of the buildings at Fort Garland.

This project will install geothermal heat at the Commandant's Quarters. The roof of the Commandant's Quarters is leaking and in poor condition putting the collection at risk. It will also be replaced in order to get the most efficient heating from the geothermal heating system.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Officer's Quarters	<b>\$485,084</b>	Project Total	<b>\$485,084</b>



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**Funding Recommendation**

88 20 University of Colorado Colorado Springs

**Replace AHU and Return Air System, Columbine Hall, Ph 1 of 1**

**\$562,722**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Columbine Hall (UCCS #90015) was constructed in 1997 and is the most heavily used academic building on campus. The building includes two penthouse air handlers AHU-1 and AHU-2. AHU-1 and the return air system serving the classroom spaces have been replaced and the electrical systems are in good working order. AHU-2 and the return air system serving the academic offices are in poor condition due to life cycle deterioration and return air issues and will require replacement. During the original construction, portions of the academic space's return air duct work was undersized and the system was not properly pressurized to move air back to the AHU and mix with outside air which resulted in inadequate conditioned air movement back to the academic spaces.

This project will replace the cooling coils, evaporative condensing unit, compressors and associated piping and components from the penthouse air handling unit with a DX cooling system. Additionally, the return air path for each floor of the office wing will be modified to correct building over pressurization and air movement issues.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Columbine Hall	<b>\$562,722</b>	Project Total	<b>\$562,722</b>





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**Funding Recommendation**

89 20 Department of Human Services

**Upgrade Interiors Group Home, Ph 1 of 3**

**\$1,017,206**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Group Homes are designed as residential units to house patients in a home-like setting. Over time, the acuity of the residents has increased and has impacted the original design of these homes. Maintenance and repair has also increased due to increased use and more frequent cleaning. The interior finishes, flooring systems, kitchens and bathrooms are original construction and are approaching the end of their lifecycles.

Phase 1 will include 330 Hahns Peak (HSPU1151), 614 Clarion (HSPU1154), 183 Wiggins (HSPU1143). Phase 2 will address 895 Bellflower (HSPU1152), 268 Harmony (HSPU1150), and 272 Harmony (HSPU1149). Phase 3 will address 416 Maher (HSPU1155), and 262 Bayfield (HSPU1147).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date		FY21/22 Ph 2 - Three Homes	\$1,017,206
\$0		FY22/23 Ph 3 - Two Homes	\$1,017,206
<b>Current Phase</b>		Project Balance	<b>\$2,034,412</b>
FY20/21 Ph 1 - Three Homes	<b>\$1,017,206</b>	<b>All Phases</b>	
		Project Total	<b>\$3,051,618</b>



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**Funding Recommendation**

90 20 Morgan Community College

**Replace Campus Irrigation System, Ph 1 of 1**

**\$1,007,050**

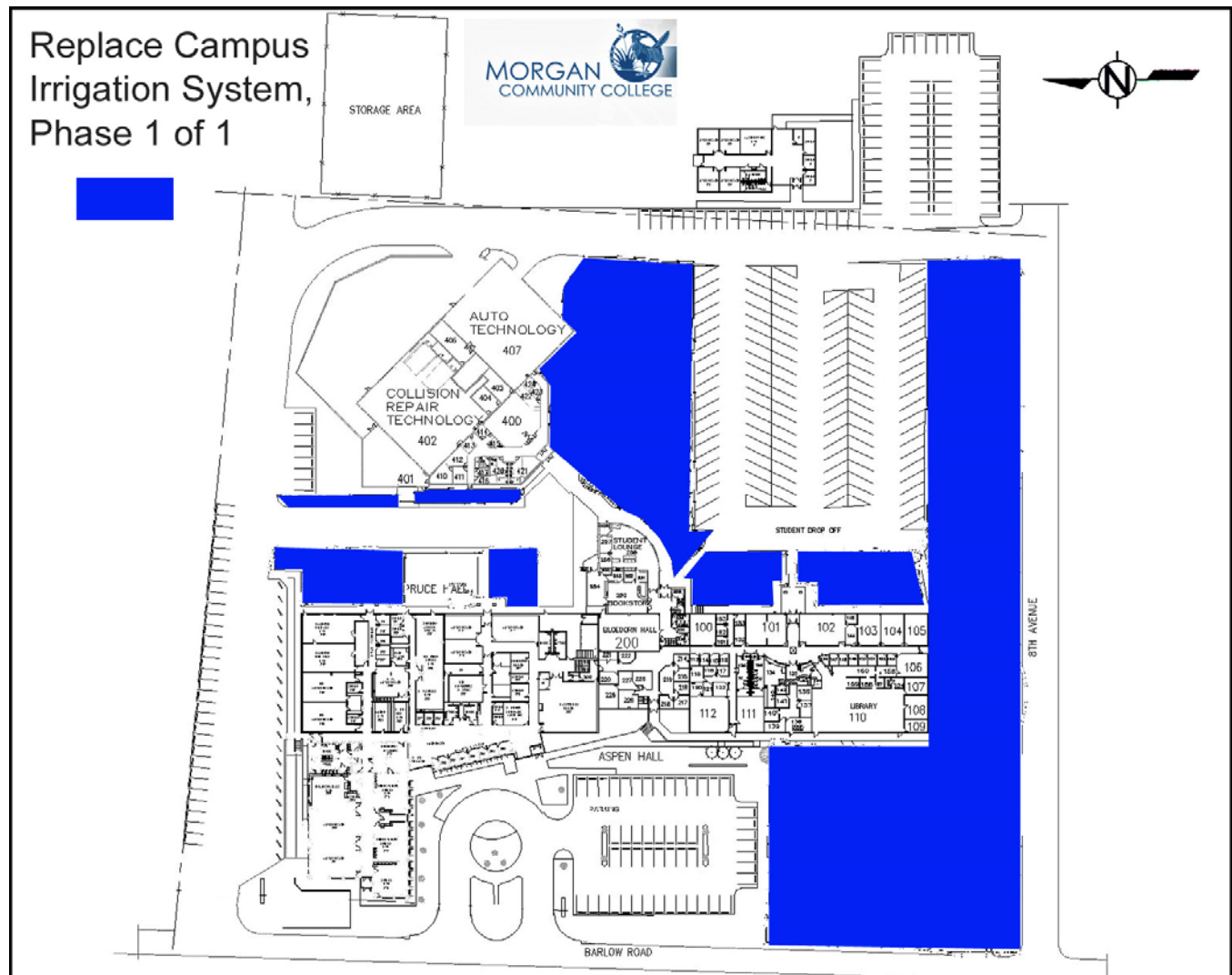
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The existing irrigation system is old, outdated and lacks efficiency. The main lines have failed numerous times in the last few years causing costly leaks and repairs. The sprinkler heads are not spaced properly resulting in dry spots or overspray onto pavement. The heads are old and many of them have to be replaced every year. The system is operated by four separate time clocks. The system does not have a rain management system so that sprinklers work when there is already sufficient ground moisture and therefore, wastes water. The main water line has many small leaks that don't usually get noticed because the leaks are directly into the surrounding dirt. Water conservation is nonexistent with the existing system. The water is purchased from the City of Fort Morgan at an increasing cost.

This project will replace the entire irrigation system that will more efficiently manage the amount of water used. Installing a site control system will allow better irrigation scheduling. This will greatly improve water efficiency with reduced usage

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Campus wide	\$1,007,050	Project Total	\$1,007,050





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**Funding Recommendation**

91 20 Otero Junior College

**Abate Asbestos, Safety Upgrade, Humanities Center, Ph 1 of 1**

**\$1,400,000**

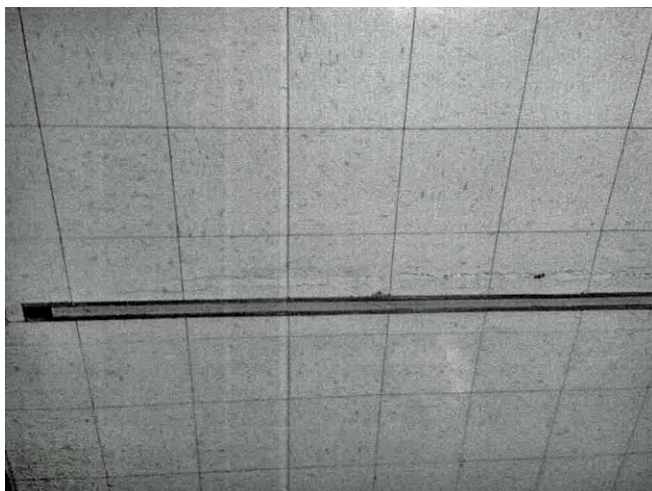
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Humanities Center (HEOT0122) was constructed in 1971 with additional classrooms and faculty offices added in 1997. The initial building includes a theatre, classrooms, offices, and storage rooms that contain 9" square floor tile presenting an asbestos threat. Some of the offices and portions of the theatre area have had carpet installed over vinyl tile. The carpet is quite worn and needs replaced however, if the carpet is removed there is the risk the tile may be asbestos. In addition, there is sprayed on insulation on some to the piping and above ceiling tiles that may also contain asbestos. Repairs in the building have been delayed because of the asbestos concern. The auditorium theatre area contains approximately 530 seats bolted to the floor and 9" square tiles. The seats will need to be removed to abate the asbestos and may become contaminated. The age of the seats and potential hazard would indicate replacement of the seating may be necessary. Lastly, the theatre stage has been sanded smooth a number of times over the years to the point of being too thin to support a stage full of performers and needs replaced.

The project will include asbestos abatement and replace the flooring for this highly used OJC building.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Humanities Center	<b>\$1,400,000</b>	Project Total	<b>\$1,400,000</b>



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**Funding Recommendation**

92 20 Colorado State University - Pueblo

**Replace Roof and Structure, Buell Communication Center, Ph 1 of 1**

**\$639,166**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Buell Communication Center (HESC1262) roof system has deteriorated beyond repair. Leaks have resulted in vacating rooms of everything that could be damaged by water. The main lobby needs frequent painting to hide the water stains caused by the leaks. Numerous repairs have been completed, but are not mitigating the situation. Cracks have appeared on several outside wall panels allowing wind driven water intrusion.

This project will replace the Buell roof with new taper insulation and a new R-30/60 mil single-ply fully-adhered roof system. The project will also repair the concrete exterior wall panels.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Buell Communications Ctr.	<b>\$639,166</b>	Project Total	<b>\$639,166</b>





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**Funding Recommendation**

93 20 Department of Human Services

**Refurbish HVAC Systems, PVYSC, MFYSC, DYSC, Ph 1 of 3**

**\$608,862**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Youth Services Centers are used to house and treat individuals under the age of 18 for rehabilitative purposes. This three phase project will address the heating, ventilation and cooling (HVAC) equipment at Platte Valley (PVYSC) (HSYS8160), Marvin Foote (MFYSC) (HSYS8159) and Denier (DYSC) (HSRY0339) that are over 20 years old. Intermittent failures have caused program disruption, occurring with increasing frequency and indicative of equipment nearing the end of its lifecycle. Phase 1 includes a ground-mounted 150 ton chiller, piping, pumps and pipe insulation at Platte Valley (pictured below). Phase 2 is for a ground mounted 150 ton chiller, piping, pumps and pipe insulation at Marvin Foote. Phase 3 is for the replacement of the domestic hot water, pumps, a 30 ton roof top unit, two evaporative units and associated mechanical and electrical controls at Denier.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - MFYSC	\$670,740
		FY22/23 Ph 3 - DYSC	\$586,047
		Project Balance	\$1,256,787
Current Phase		All Phases	
FY20/21 Ph 1 - PVYSC	\$608,862	Project Total	\$1,865,649



Ref. No. Score

Funding Recommendation

94 21 Trinidad State Junior College

**Install Card Access and Update Door Hardware, Ph 1 of 1**

**\$159,738**

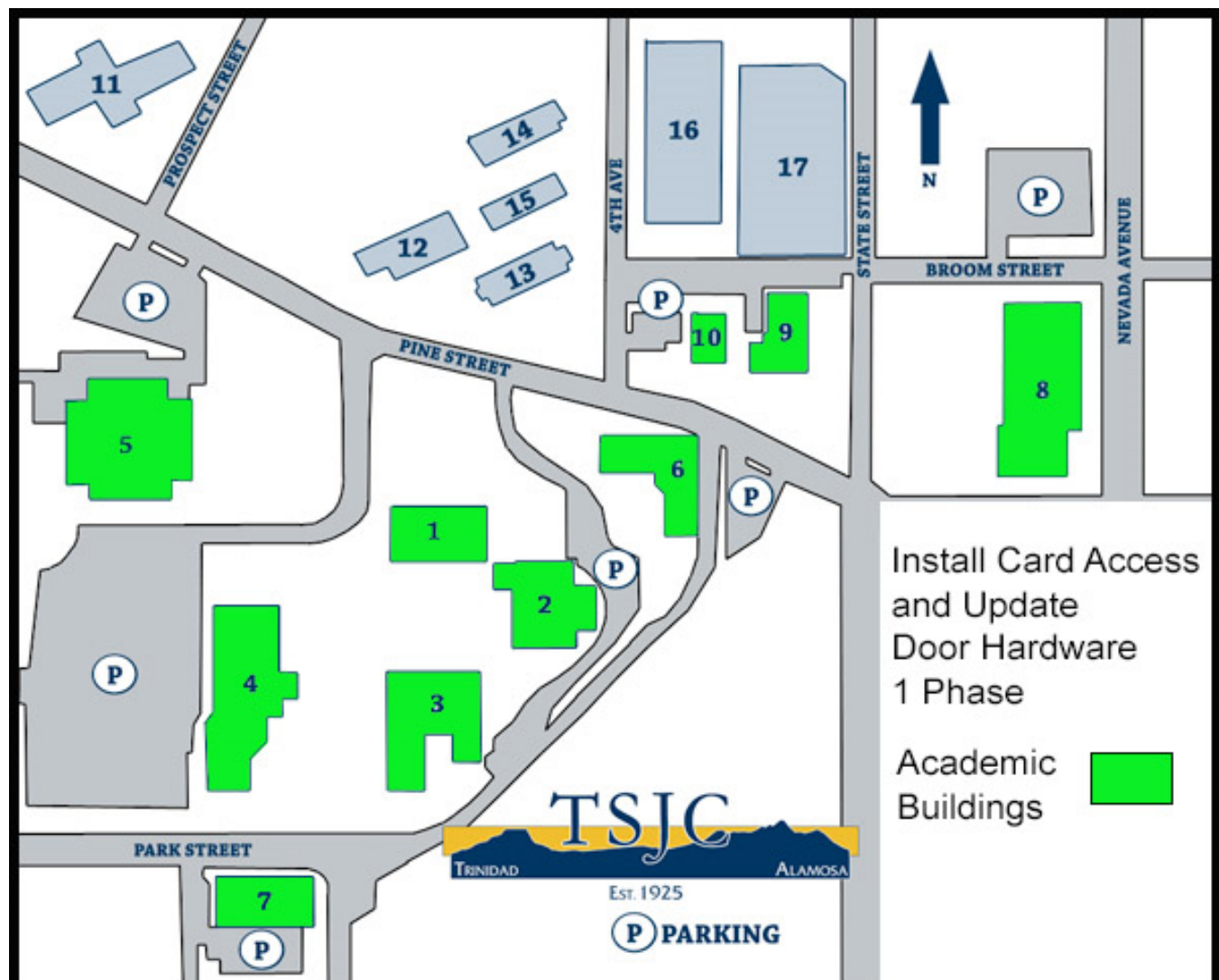
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Trinidad State Junior College is within a quarter mile of Interstate 25. The building entries are unlocked during school hours for student and staff access. Unfortunately, the open doors, proximity to the highway, and related factors have resulted in numerous unwanted people inside the buildings. Recently, the school had to be locked down three times due to bank robberies within a block of the campus. The school has night classes and weekend classes where the doors are opened on a schedule, but many times the buildings are unoccupied because classes let out early or are cancelled. The school does not have a campus resource officer on nights or weekends to monitor when buildings should be closed early for lack of use of another security issue could occur.

This project would update the building access system utilizing student ID cards. Addition doors would be updated/replaced as needed to accommodate the access control system. This would allow the school to keep one entry point unlocked for public access and all additional entry points accessible only by students and staff during class or business hours.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Trinidad Campus	\$159,738	Project Total	\$159,738





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**Funding Recommendation**

95 21 Pikes Peak Community College

**Improve Electrical Infrastructure, Rampart Range Campus, Ph 1 of 1**

**\$943,616**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

An assessment of the campus electrical infrastructure relating to emergency services for the Rampart Range campus was completed in 2017. The existing 50kW diesel powered generator serves both life safety and IT life safety loads such as the recently installed access control system. The capability of the existing generator is not sufficient enough to accommodate life safety systems, emergency lighting, or necessary mechanical systems to protect building against a prolonged winter power outage.

This project upgrades the generator to an 80kW diesel powered generator.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Rampart Range Campus	\$943,616	Project Total	\$943,616



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**Funding Recommendation**

96 21 Auraria Higher Education Center

**Replace Transformers at North Chiller and PE Events Center, Ph 1 of 2**

**\$241,794**

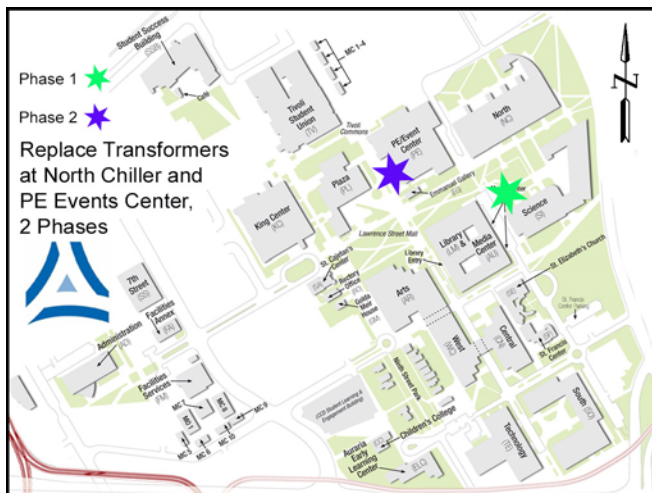
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The transformers for these buildings were installed between 1976 and 1977. The useful life expectancy is 35 years and all the transformers are approaching 40 plus years and reliability is a concern. The transformers are beginning to rust and leak which will eventually lead to environmental contamination issues and as these transformers continue to age the insulation deteriorates and the potential for failure increases as electrical loads and temperature spikes occur. A transformer failure would result in a complete shutdown of these facilities due to the loss of heating and cooling capabilities.

Phase 1 includes the North Chiller Plant (HEAU 6209) which provides cooling to the Library, Science, and Arts Buildings. Phase 2 includes the PE Events Center (HEAU 1211) which is a heavily scheduled building that is utilized for sporting as well as large gatherings.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - PE Events Center	\$494,231
		Project Balance	<b>\$494,231</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - North Chiller	<b>\$241,794</b>	Project Total	<b>\$736,025</b>





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**Funding Recommendation**

97 21 Department of Corrections

**Roof Replacement, Program and Support Buildings, TCF, Ph 1 of 1**

**\$1,747,429**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Trinidad Correctional Facility (TCF) houses 500 offenders in a Level II facility. The original bitumen roofing systems on both the Programs (COTR 9343) and Support Buildings (COTR 9342) are now at the end of their useful life and require replacement. The existing roof system lacks a sufficient slope for proper drainage, requires extensive maintenance, has developed leaks which are causing damage to finishes and equipment, and causes disruption of operations and program activities.

This project provides a new roofing system for the Programs and Support Buildings that will be installed in one phase and is based on a bitumen roof system over an R-30 tapered insulation system with additional crickets between drains in order to meet the drainage and energy requirements of current building codes.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – New Roof, 2 Buildings	<b>\$1,747,429</b>	Project Total	<b>\$1,747,429</b>



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**Funding Recommendation**

98 21 Fort Lewis College

**Replace Roof, Aquatic Center, Ph 1 of 1**

**\$671,229**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The existing roof over the Aquatic Center (HEFL1285) is in need of replacement due to long-term deterioration of the roofing surface. The 1994 roof is a modified bitumen roofing membrane with an elastomeric acrylic emulsion roof coating applied over the entire membrane as a protective coating against extreme weather and ultra-violet degradation. However, over time the existing modified bitumen membrane is cracking and breaking and will no longer allow the elastomeric acrylic emulsion roof coating to adhere uniformly, leaving the roof compromised.

The solution is to replace the roof with a prefinished standing seam metal roof that will bring the building into compliance with the campus design standards for durability and standardization of exterior materials. Additionally, increased insulation will be added below the metal roofing to meet code compliance and energy standards. Roof anchors will be added in order to comply with current OSHA fall protection requirements.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – New Roof, Aquatic Center	<b>\$671,229</b>	Project Total	<b>\$671,229</b>





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**Funding Recommendation**

99 21 Department of Human Services

**Repair/Replace Roofs, 16 buildings at MVYSC, GYSC, Ph 1 of 3**

**\$1,662,168**

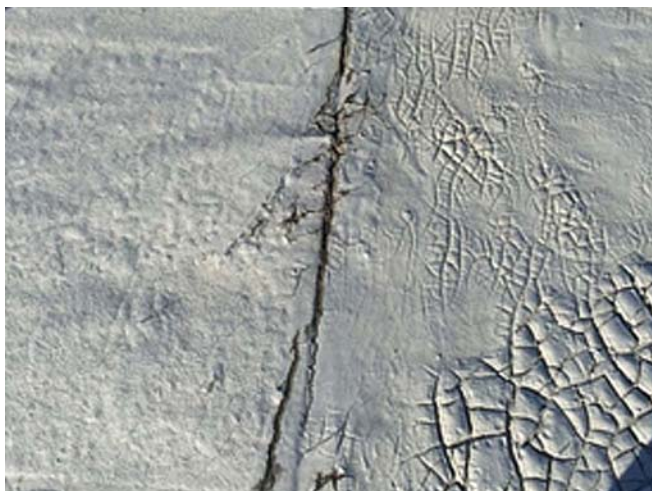
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Mount View Youth Services Center (MVYSC) is a secure, co-ed, multi-purpose facility. The buildings in this request range from 1959 to 1998 and all the roofing now exceeds its useful life. While most of the metal roofing remains water-tight, the flat built-up systems are failing, causing creating safety and security issues. The continual leaking is also creating interior damage and degradation of the buildings and systems.

The roofing replacement will include new tapered insulation and repair to the roof drains along with a new membrane roof. Phase 1 will complete the roofing at six buildings at the MVYSC campus including Support (HSMV2918), Residential (HSMV2924), Gate House (HSMV4860), Detention Pod ABC (HSMV2929), Detention Pod DEF (HSMV2930), and Support (HSMV2931) as shown in the site plan below. Phase 2 will replace the at Gilliam Admin (HSCG2828), Gilliam Residential (HSCG2826), Gilliam Maintenance (HSGC2827), and at Mount View, Residential (HSMV2925), Staff Development (HSMV2923 and HSMV2911), and Training (HSMV2910). These failing ballasted single-ply roofs will be replaced with a built-up roof system which can be more easily maintained. Phase 3 will replace roofs at Mount View, Residential (HSMV1474), Recreation (HSMV4861), and Support (HSMV4859).

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date		FY21/22 Ph 2 - GYSC	\$1,308,745
		FY22/23 Ph 3 - MVYSC	\$901,649
		Project Balance	<b>\$2,210,394</b>
Current Phase		All Phases	
FY20/21 Ph 1 - MVYSC	<b>\$1,662,168</b>	Project Total	<b>\$3,872,562</b>





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**Funding Recommendation**

100 21 University of Colorado Colorado Springs

**Replace Roof, Columbine Hall, Ph 1 of 2**

**\$833,804**

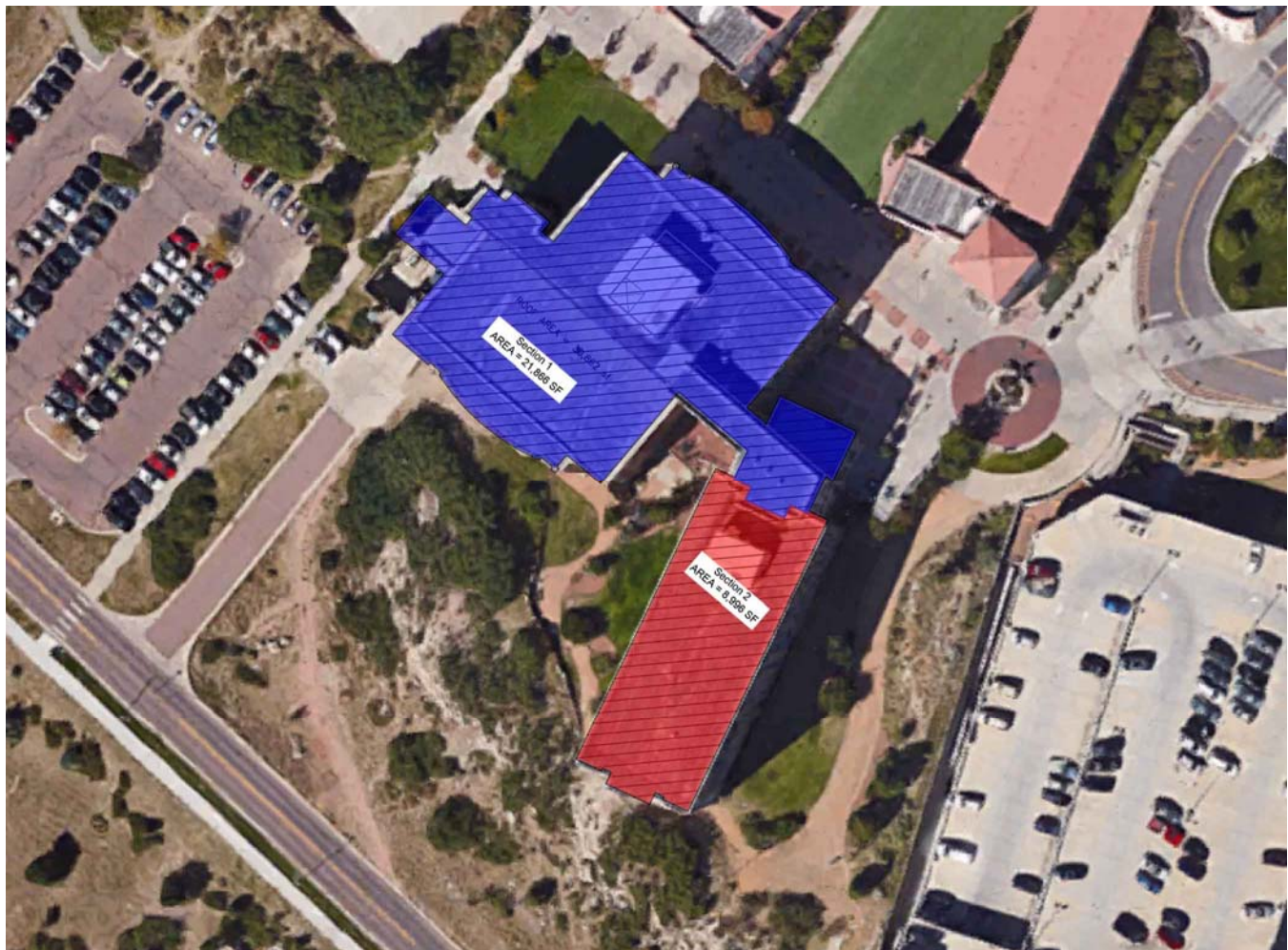
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Columbine Hall (UCCS #90015) was constructed in 1997 and is the most heavily used academic building on campus. The built-up roof over rigid insulation is original and is past its useful life. Chronic roof leaks due to normal lifecycle deterioration are frequent. These roof leaks have caused damage to academic and office spaces. Reactive maintenance is being practiced to bridge the gap before replacement can occur. The project is broken out into two phases to minimize disruption and involves existing built-up roofing and damaged insulation removal and the installation of new tapered insulation, a single-ply, fully adhered 90 mil single-ply roof membrane and associated flashing.

Phase 1 addresses Section 1 (Classroom wing) of approximately 21,866 sf and Phase 2 addresses Section 2 (Office wing) of approximately 8,996 sq.ft. as shown on the roof plan below.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Section 2	\$328,801
		Project Balance	<b>\$328,801</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Section 1	<b>\$833,804</b>	Project Total	<b>\$1,162,605</b>





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**Funding Recommendation**

101 21 Department of Corrections

**Replace Roof, Support Building, DWCF, Ph 1 of 1**

**\$1,866,309**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Denver Women's Correctional Facility (DWCF) houses all five security levels for women offenders with a capacity of 1008 individuals. The original ballasted single-ply roof membrane systems on the Support Building is over 21 years old, and at the end of its useful life. The existing roofing requires extensive maintenance and has developed leaks causing damage to finishes and equipment, disruption of operations and program activities, and could lead to possible loss of use if replacement is not made. The Support Building (CODW7774) roof consists of five (5) separate roof sections which are divided by parapets and/or building elevations. On each roof section, roof cores were performed to verify the underlying roof components and roof deck for each section.

The Support Building will have a complete replacement of the existing single-ply roof membrane with an asphalt built-up roof system.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – New Roof, Support Building	\$1,866,309	Project Total	\$1,866,309



Ref. No. Score

**Funding Recommendation**

102 24 Colorado State University

**Upgrade Campus Exterior Lighting, Ph 1 of 1**

**\$557,839**

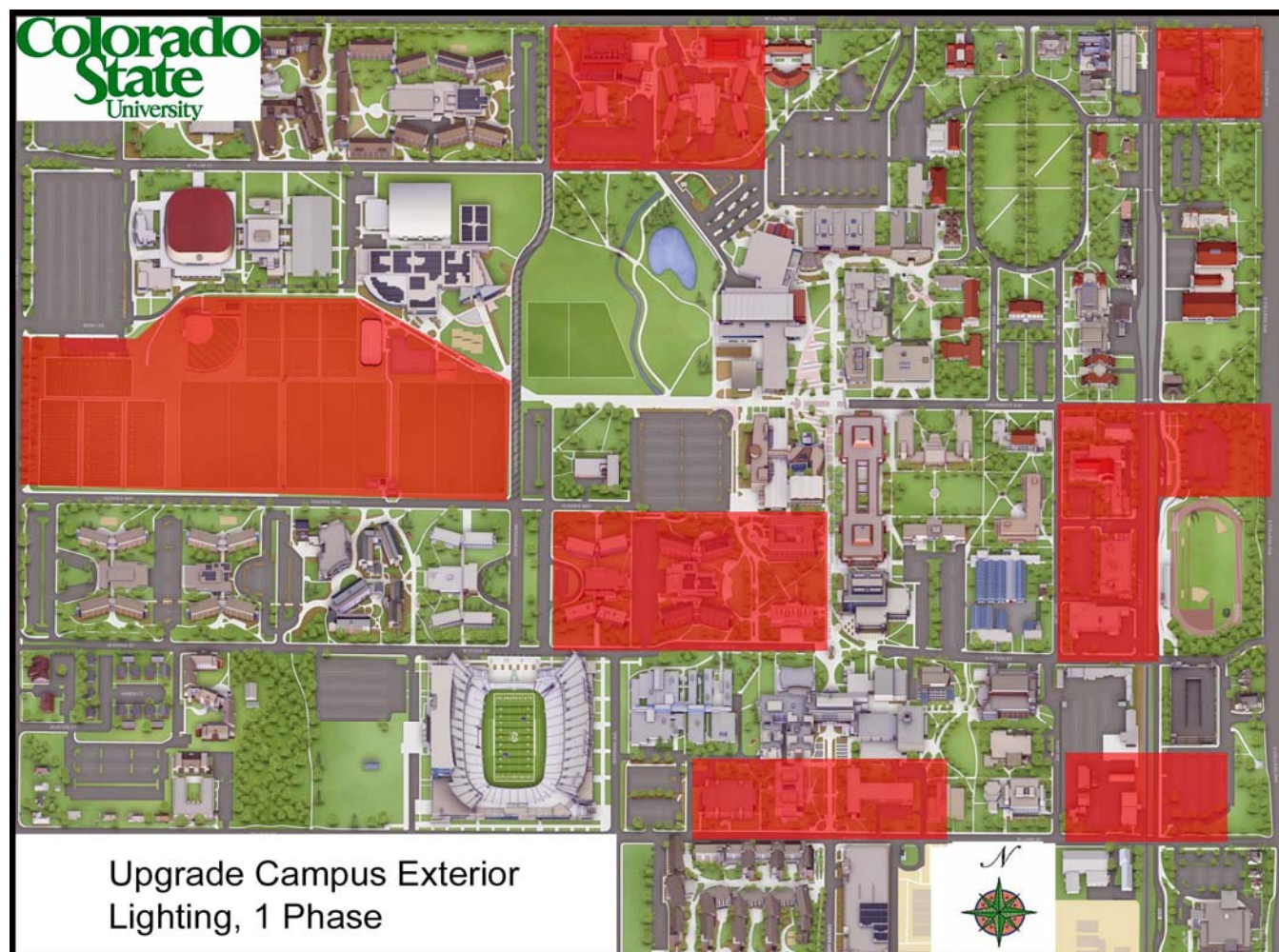
**PROJECT DESCRIPTION / SCOPE OF WORK:**

This project will upgrade existing pole-mounted metal halide exterior light fixtures to light emitting diodes (LEDs). LEDs can improve light quality thus, improving safety and security at night. In addition, LEDs are 40-60% more efficient and have a longer lamp life than existing lamps, thus reducing energy and maintenance cost. Metal halide lamps are the final exterior fixture type to be replaced. The project does not include any residential areas of campus.

This one phase project will upgrade existing exterior light fixtures to provide better light quality, improved energy efficiency and extended life on the main CSU campus.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Upgrade Exterior Lighting	<b>\$557,839</b>	Project Total	<b>\$557,839</b>





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**Funding Recommendation**

103 24 University of Colorado Denver

**Bathroom Modernization, Fitzsimons Building, Ph 1 of 3**

**\$924,659**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Fitzsimons Building (UCD #Q20) is an older 1941 facility that has numerous restrooms (men's, women's, unisex) that need to be modernized. This project will focus on three different types of restrooms that are differentiated by size and configuration. In each restroom the plumbing fixtures are deteriorating and ventilation is poor. In most cases no improvements have been made for decades.

Modernization will include ADA improvements with auto-opening doors and grab bars, new easy to clean and durable finishes. Plumbing fixtures will be replaced with water efficient faucets, urinals, water-closets, lavatories, and also updated counter-tops. New, easy to clean hard ceilings will replace suspended ceilings. HVAC will be upgraded to current code and will include an exhaust system and new hot water baseboard heating. Lighting will be replaced including occupancy sensors, can-light fixtures, and GFI outlets. Toilet partitions will be replaced and toilet accessories will be installed. Showers will be upgraded for functionality and appearance. Phase 1 includes the 3rd, 7th and 8th Floors. Phase 2 includes the 4th and 5th Floors. Phase 3 includes Ground 1st and 2nd Floors.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date		FY21/22 Ph 2 - 4th and 5th Floors	\$958,641
		FY22/23 Ph 3 - Ground, 1st, and 2nd Floor	\$838,492
		Project Balance	<b>\$1,797,133</b>
Current Phase		All Phases	
FY20/21 Ph 1 - 3rd, 7th & 8th Floors		Project Total	<b>\$2,721,792</b>
	<b>\$0</b>		
	<b>\$924,659</b>		



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**Funding Recommendation**

104 24 Department of Human Services

**Replace Flooring, Five Buildings, CMHIFL, Ph 1 of 2**

**\$900,913**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The buildings on the Colorado Mental Health Institute at Fort Logan (CMHIFL) campus are used for the treatment and rehabilitation of patients and vary from 40 to 117 years old. The flooring materials include ceramic tile, vinyl tile, and epoxy coatings (some of which contain asbestos), as well as carpet in the remaining sections. All of the flooring products have exceeded their life expectancies and need replacement. Costs and staffing associated with maintaining the flooring has increased to accommodate the poor condition.

There is a total of 105,413 sq.ft. of flooring as part of this three phase project and will include asbestos abatement, removal of old flooring, and the installation of new vinyl composition tile (VCT) flooring. Phase 1 will address 21,376 sq. ft. in Buildings B (HSFL1010), 12,266 sq. ft. in Building C (HSFL1011) and 11,691 sq. ft. in Building E (HSFL1013). Phase 2 will replace 44,379 sq. ft. of flooring in Building H (HSFL1022), and 370 sq.ft. in Building J (HSFL1018).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Buildings H and J	\$992,656
<b>Current Phase</b>		Project Balance	<b>\$992,656</b>
FY20/21 Ph 1 - Buildings B, C, and E	<b>\$900,913</b>	<b>All Phases</b>	
		Project Total	<b>\$1,893,569</b>





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Funding Recommendation

105 24 University of Colorado Boulder

**Refurbish Elevators, Five Buildings, Ph 1 of 3**

**\$862,034**

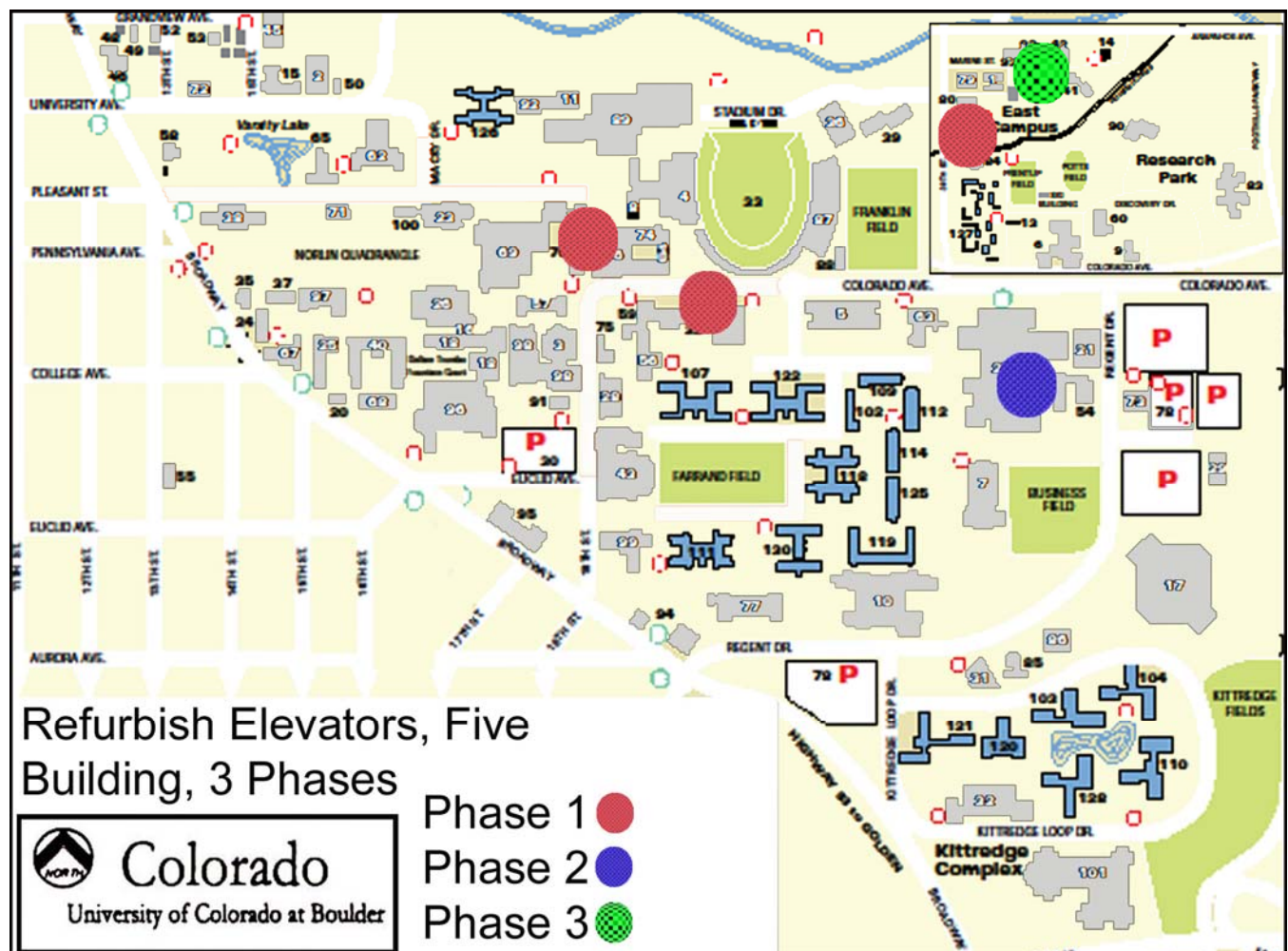
PROJECT DESCRIPTION / SCOPE OF WORK:

The elevators are well past their useful life and many experience significant service calls. The industry average for the reasonable number of service calls is 3 per year, Engineering Office Tower (UCB #439) had 22 service calls in the last 12 months, Administrative Research Center (UCB #568) had 24, and Duane (UCB #359). The Duane Building elevator does not meet current required safety for fall arrest and is in jeopardy of failing State inspection. Their unreliability may impact ADA compliance when they fail as well as impacting first responders and employees if evacuation is necessary during an emergency.

Major components to be replaced include pumps, motors, controllers, hall and car stations, doors, cabs and interiors specific to each elevator. Phase 1 will replace all major components of the elevator systems for Duane Physics, Ramaley Biology (UCB #370) and Institute for Behavioral (IBG) Genetics (UCB #560). Phase 2 will replace all major components of the elevator systems for 3-nine story traction elevators in the Engineering Center Office Tower. Phase 3 will replace all major components for three elevators serving the 6-story Administrative Research Center.

PROJECT FUNDING:

Prior Phasing	Future Phasing
	FY21/22 Ph 2 - Engineering Center \$1,819,968
	FY22/23 Ph 3 - Administrative Building \$1,843,649
Funded To Date \$0	Project Balance \$3,663,617
Current Phase	All Phases
FY20/21 Ph 1 – Three Buildings \$862,034	Project Total \$4,525,651



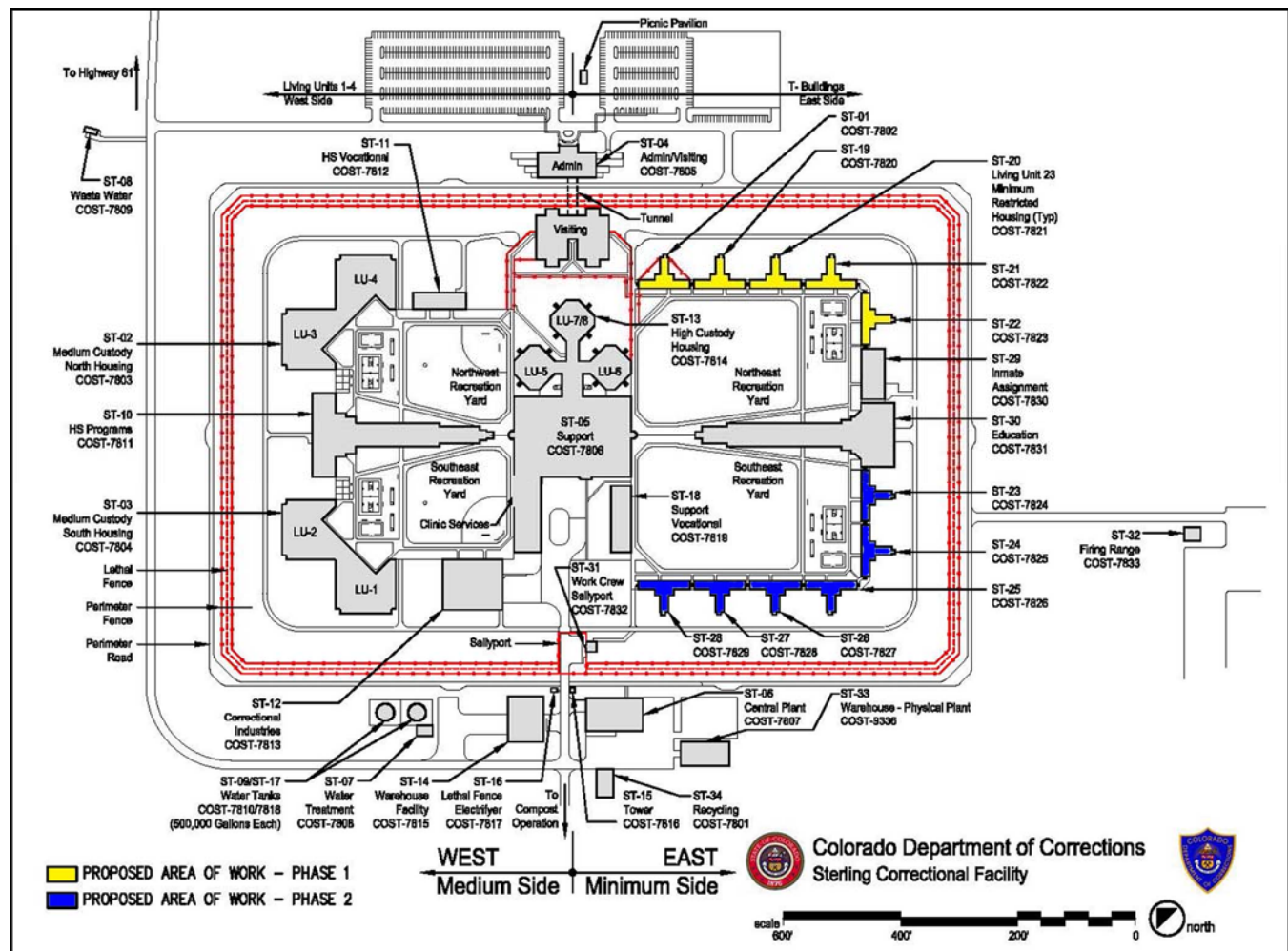
### Funding Recommendation

**\$970,586**

The Sterling Correctional Facility (SCF) was constructed 20 years ago to house 2,532 inmates with varying custody levels. The original membrane roofing systems on the Minimum-Restricted Living Unit Buildings are now at the end of their useful life and require replacement. The existing roofing requires extensive maintenance and has developed leaks causing damage to finishes and equipment, disruption of operations and program activities, and could lead to possible loss of use if replacement is not made. Repairing the items is no longer economically viable.

PROJECT FUNDING:

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Living Units 31 - 36 Project Balance	\$1,112,430 <b>\$1,112,430</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Living Units 21 - 25	<b>\$970,586</b>	Project Total	<b>\$2,083,016</b>





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**Funding Recommendation**

107 24 University of Northern Colorado

**Replace Roof, Arts Annex, Ross, and Skinner, Ph 1 of 1**

**\$316,430**

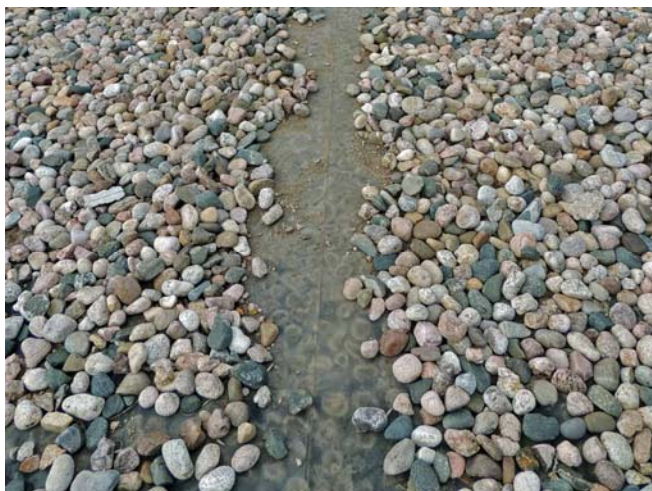
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Roofing systems on several campus buildings are past their useful life and despite continual maintenance continue to leak and require replacement. This one phase project will include three buildings. Arts Annex (UNC #1) and Ross Hall (UNC #12). Each has an asphaltic built-up roofing system installed in 1989 and has experienced major granular loss, significant membrane cracking and water infiltration at the perimeter flashing. Skinner Hall (UNC #168) has a ballasted ethylene propylene diene monomer single-ply roof and is original to the 1997 building construction. It has experienced numerous leaks in the membrane seams and perimeter parapet flashing. Skinner is pictured below and illustrates the numerous patches and caulking for the parapet flashing system.

The solution is to replace all three roofs with a ballasted 90 mil single-ply roofing membrane over new tapered insulation and install new perimeter flashing.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – New Roof, 3 Buildings	<b>\$316,430</b>	Project Total	<b>\$316,430</b>



Ref. No. Score

**Funding Recommendation**

108 24 Colorado Mesa University

**Replace Roof, Wubben/Science Building, Ph 1 of 1**

**\$286,643**

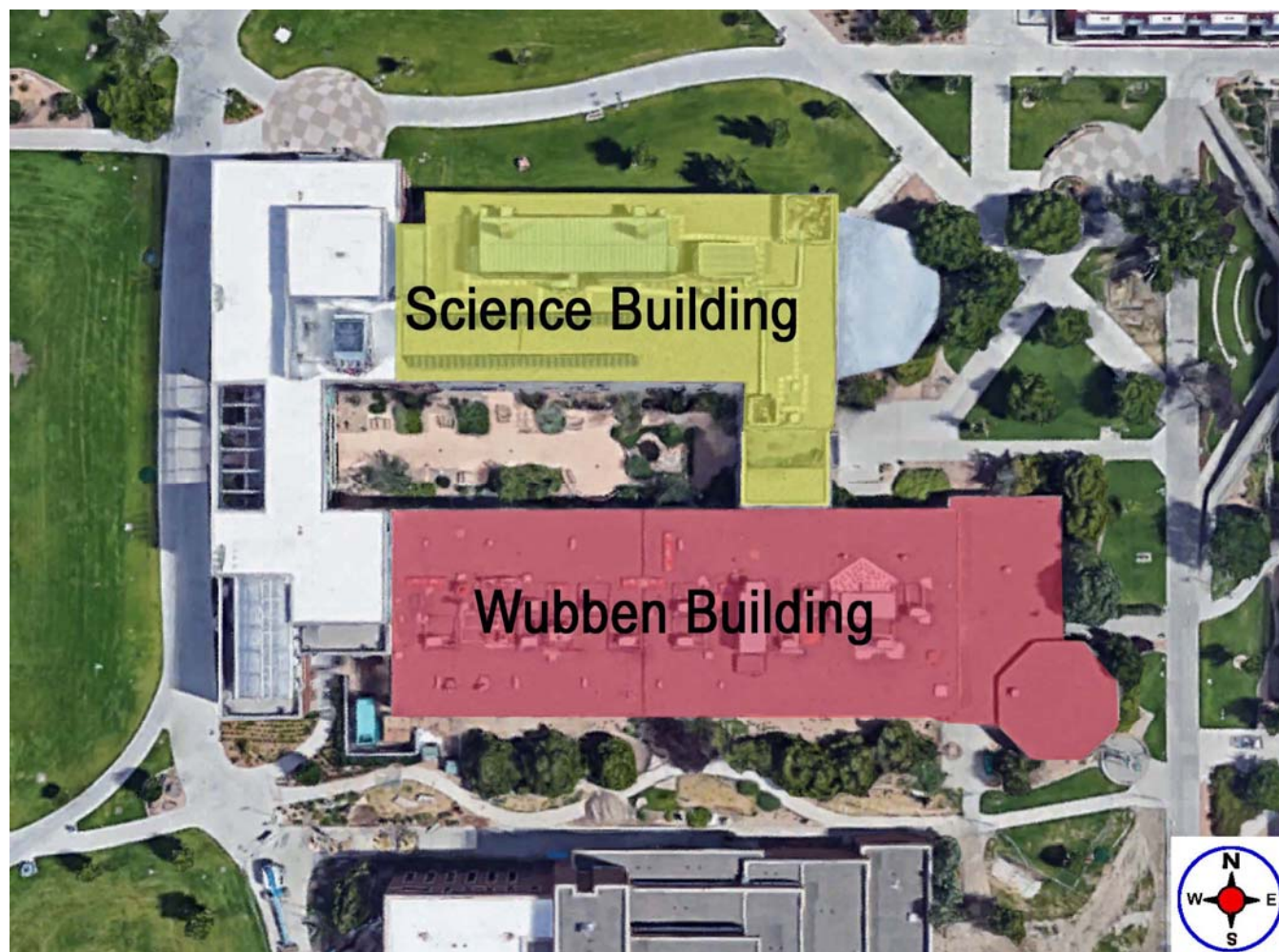
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Science building was constructed in 1996 as an addition to Wubben Hall (CMU #220). Wubben Hall had served as the only science building on campus, prior to construction of the Science Building in 1996. Portions of the Science building were remodeled in 2011 but the existing roof did not require replacement at that time. The existing roof is a ballasted membrane roof that is showing signs of age after having been in use for the last 21 years. The roof has begun to leak on a more consistent basis over the last four years, and has the potential to cause major damage to sensitive lab equipment below. The majority of recent roof maintenance and repairs are due to numerous low spots in the roof that collect water and over time cause damage and deterioration at the joints where roofing wraps up the parapet walls. Facilities Services at CMU has responded to 23 separate roof repair work orders since 2015.

The solution is to remove the ballast and existing membrane roof and replace with a new, fully-adhered 90 mil single-ply roofing membrane. Additional insulation will be added to the roof to provide additional cross slope and to meet the increased code required roof insulation.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – New Roof, Wubben/Science	<b>\$286,643</b>	Project Total	<b>\$286,643</b>





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**Funding Recommendation**

109 27 Department of Human Services

**Replace Gym Floors, DYS, Ph 1 of 2**

**\$1,632,952**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The youth services facilities house individuals under the age of 18 for rehabilitation. The gym floors at nine of the youth services centers vary in age from 30 to 55 years old and have reached the end of their useful life. The existing wood gym floors at both Lookout Mountain and Mount View Youth Services Centers are beginning to warp and separate at the seams. The floors have had repairs attempted over recent years. Concrete spalling has caused bulging in the vinyl surfaces.

Replacing the floor surfaces and repairing the concrete below will eliminate trip hazards and reduce ongoing maintenance costs. Phase 1 will address 27,405 sq. ft. of gym floors at Pueblo (HSPY2838), Spring Creek (HSYS8161) (pictured below), Zebulon Pike (HSZE2840), Grand Mesa (HSGM2198), Mount View (HSMV2931) and Lookout Mountain (HSLO2950) Youth Services Centers. Phase 2 will repair the subsurface and replace the floors at Gilliam (HSGM2198), Marvin Foote (HSMV2931)

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	FY21/22 Ph 2 - Two Gym Floors	\$716,623
		Project Balance	<b>\$716,623</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Six Gym Floors	<b>\$1,632,952</b>	Project Total	<b>\$2,349,575</b>



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**Funding Recommendation**

110 28 Colorado School of Mines

**Remediate Campus Fall Hazard, Ph 3 of 3**

**\$488,879**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Maintenance of equipment, gutters and roofing systems require personnel to access and walk to all parts of the roof. As illustrated below, many campus buildings have roofs that are steeply pitched with smooth roof tiles causing extreme slip hazards. Other campus buildings do not have parapet walls or guard rails or other means to allow safety harnesses to tie-off and protect staff from falls at building perimeters. Buildings that do have tie-offs are old, non-certified and of unknown reliability.

This project will provide engineering and construction of fall hazard mitigation systems providing secure attachment points, ladders, self-closing gates, parapet guardrail extensions, steps and grab bars for maintenance personnel and contractors to safely access and work on all campus roofs. Phase 1 included Berthoud (HEMI4233), Chavenet (HEMI4139), Coolbaugh (HEMI4140), Lakes Library (HEMI4148), Steinhauer (HEMI4143) and Stratton (HEMI4150), Phase 2 included Volk (HEMI4146), Chiller Plant (HEMI4808), Alderson (HEMI4132), Guggenheim (HEMI4145), Carpenter Shop (HEMI4155) and Truck Shop (HEMI4156) and Phase 3 includes CTLM (HEMI8808), Engineering (HEMI4141) and Hill (HEMI4147).

**PROJECT FUNDING:**

Prior Phasing 2019-037M18		Future Phasing	
FY18/19 Ph 1 - Various Buildings	\$538,931		
FY19/20 Ph 2 - Various Buildings	\$527,474		
Funded To Date	<b>\$1,066,405</b>	Project Balance	<b>\$0</b>
Current Phase		All Phases	
FY20/21 Ph 3 - Various Buildings	<b>\$488,879</b>	Project Total	<b>\$1,555,284</b>





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**Funding Recommendation**

111 28 Colorado Mesa University

**Refurbish HVAC and Control Systems, Moss Performing Arts, Ph 1 of 2**

**\$1,959,076**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The HVAC system in Moss Performing Arts (CMU #218) was installed over 20 years ago and, is at the end of its useful life. The existing system includes 3 hydronic boilers, pumps, and motors, a cooling tower, a chiller, air handler units (AHU's), roof top units (RTU's) and hot water re-heat variable air volume (VAV) boxes. Cold water for the fan coils is provided by a cooling tower that acts as a condenser for the chiller. Small electric water heaters that are located near the restrooms provide domestic hot water. Problems with the existing system include a lack of ability to circulate air sufficiently, excess humidity and limited control over the heating and cooling system. CMU installed geoechange piping adjacent to the building during the renovation/expansion of Houston Hall in 2011. By extending the piping to serve Moss Performing Arts Center and converting the building to a ground source heat pump system CMU may save as much as 12kWh/sq.ft./year over a traditional system.

Phase 1 will install the piping to the geoechange field, install 17 heat pumps, one energy recovery ventilator, and remove the old boilers. Phase 2 will upgrade the controls, HVAC network, and upgrade the cooling tower.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 – Controls, Cooling Tower	\$1,770,924
		Project Balance	<b>\$1,770,924</b>
Current Phase		All Phases	
FY20/21 Ph 1 – Connect Moss to Geo-field	<b>\$1,959,076</b>	Project Total	<b>\$3,730,000</b>



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**Funding Recommendation**

112 28 Department of Local Affairs - Fort Lyon

**Emergency Generators, Buildings 6 and 8, Ph 1 of 1**

**\$600,000**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Building 6 (GSCS0075) is the kitchen and dining facility for the entire Ft Lyon campus serving approximately 750 meals per day. The generator at building 6 is not connected to nor does it have the capacity to power all of the required food storage refrigeration units. This situation was identified during a long term power outage. Building 8 (GSCS0070) houses approximately 80 of the 230 total residents at Fort Lyon. During the power outage, it was determined that the main heat pumps are not on emergency power. The potential loss of food and the inability to provide food for approximately 250 persons could result in residents being relocated or leaving the program until full service could be resumed.

This project would replace both generators with new ones adequately sized for the load. The existing generators will be repurposed for other building needs on the campus.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	Project Balance	\$0
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Building 6 and 8 Generator	\$600,000	Project Total	\$600,000





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**Funding Recommendation**

113 28 Office of the Governor - Office of Information Technology

**Replace Microwave Communications Site Shelters, Ph 1 of 2**

**\$1,192,156**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The original fiberglass buildings were constructed in the early 1970's. These sites are part of the Statewide Microwave Communications Network and are routinely exposed to extreme weather conditions. At each location, there is approximately \$500,000 worth of equipment in the buildings and the failure of the structure would result in the loss of that equipment. Over the years, the buildings have been patched and repaired and they are now reaching the end of the building lifespan.

Phase 1 would replace the buildings at four sites: Oak Brush (EXIT1961), Longs Peak (EXIT1406) (pictured below), Saguache (EXIT1412), and Kenosha Pass (EXIT8854). Phase 2 would be for Anton (EXIT1893), Haswell (EXIT1879) and Wild Horse (EXIT1418) sites.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	\$0	FY21/22 Ph 2 - Three Sites	\$998,140
		Project Balance	<b>\$998,140</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 - Four Sites	<b>\$1,192,156</b>	Project Total	<b>\$2,190,296</b>



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**Funding Recommendation**

114 28 Colorado Community College System at Lowry

**Replace Windows and Doors, Building 905, Ph 1 of 1**

**\$799,870**

PROJECT DESCRIPTION / SCOPE OF WORK:

Building 905, The New American School (HEOE9117), still has the original windows and doors from 1953. The windows are single pane aluminum frames that are hard to open, don't seal, and need replaced. Because the windows don't seal, water and air leak into the building. The doors are a safety and security liability. Some of the doors are hard to open, close, and in an emergency do not lock properly. Doors that don't lock are a security concern. The doors also leak air and water because of the poor sealing. Because the windows and doors are original, they are not energy efficient.

This project will replace the windows and doors to improve energy efficiency and building security.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Building 905 Doors/Windows	\$799,870	Project Total	\$799,870





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**Funding Recommendation**

115 28 Colorado Mesa University

**Replace Roof, WCCC Building A, Ph 1 of 1**

**\$342,958**

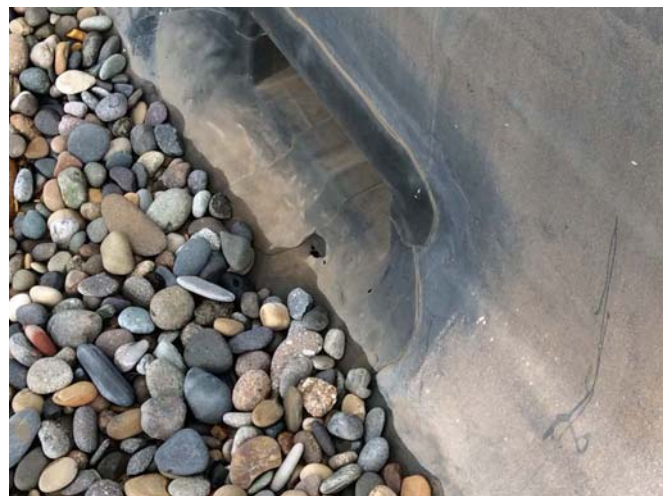
**PROJECT DESCRIPTION / SCOPE OF WORK:**

Installed in 1990, the Western Colorado Community College Campus roof membrane has become stretched and is splitting in a number of locations allowing water infiltration. These leaks occasional allow water into the bus duct and electrical equipment below creating a safety concern. The insulation has also been deteriorating. In addition, the building continues to experience architectural damage (ceiling tiles, walls, paint, etc).

The project is to remove the ballast and existing membrane roof and replace with a new, fully adhered roofing membrane. Additional insulation will be added to the roof to provide additional cross slope and to meet the requirement for increased roof insulation.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Roof, WCCC Building	<b>\$342,958</b>	Project Total	<b>\$342,958</b>



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**Funding Recommendation**

116 30 Lamar Community College

**Replace Pumps, Controls, Valves, Campus Irrigation System, Ph 1 of 1**

**\$225,000**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The irrigation system at LCC was installed around 1995. The cast iron piping has deteriorated and leaking to a point that requires replacement. The isolation valves are non-functional and require replacement. The control systems for all 4 wells are inadequate and unreliable, require significant labor to service and keep online. The well casings are corroded and need to be thoroughly cleaned and inspected. Pumps are losing efficiency and need to be replaced. Wood fencing around the wells have rotted at ground level and need replaced with metal and concrete supports. LCC has 100 acre-feet of water available for pumping annually. Losing the irrigation system due to significant repairs and/or prolonged down time for repairs will result in diminished lawns and flower beds. A catastrophic failure in the system will require attaching the irrigation system to the city water supply.

This project will replace the submersible pumps and piping, install new above ground piping, install a new control system, install a new expansion tank, and replace the fencing.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Upgrade Irrigation System	\$225,000	Project Total	\$225,000





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**Funding Recommendation**

117 30 Colorado Northwestern Community College

**Repair/Replacement of Parking Lots and Adjacent Sidewalks, Rangely Campus, Ph 1 of 1**

**\$719,607**

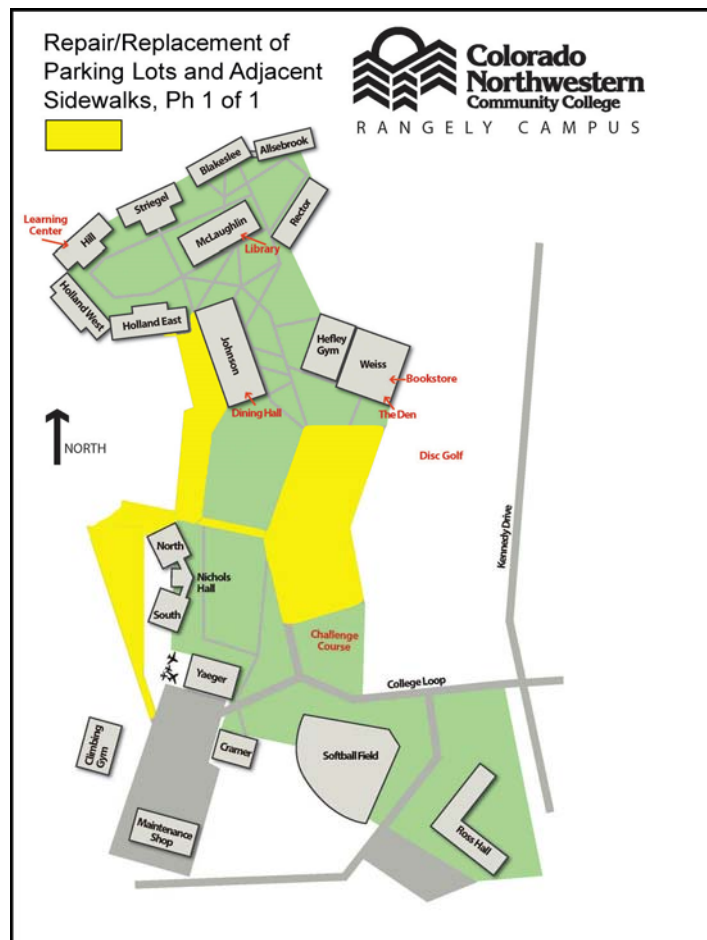
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The asphalt parking lots on the Rangely campus are deteriorated and are at the end of their useful lives. This problem has been occurring for many years, with little budget to update or repair parking lots, the cracks and unevenness has continually gotten worse over the last 5 years. Some areas have pot holes, while other areas are gravel rather than asphalt. In 2018, CNCC was randomly selected for a Civil Right Monitoring Review, and much of the campuses parking lots were on the list of critical findings stating that the current spaces are not ADA accessible due to their poor slopes, cracks and unevenness. While the Nichols lot is located next to one of CNCC's resident halls and the lot also acts as an overflow parking lot for students, staff and faculty accessing other academic buildings.

This project will repair the lots, add ADA accessibility to the identified locations, and curbs to control storm water flow, and improve fire lane identification.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Parking Lots/Sidewalks	\$719,607	Project Total	\$719,607



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**Funding Recommendation**

118 30 University of Colorado Colorado Springs

**Refurbish Campus Elevators, 6 Buildings, Ph 1 of 3**

**\$238,465**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

This project request encompasses elevator safety and performance throughout the campus at UCCS. The elevators are currently functioning but components need to be replaced or modernized due to safety issues, code deficiencies, life cycle deterioration, and obsolescence, all of which can pose a potential safety hazard. The elevators that serve these buildings are the only means for ADA movement from floor-to-floor within the building. In case of failure, maintenance staff will be called to assist those students and faculty with disabilities.

This proposed CM project will address leaking machine seals, geared machine equipment, obsolete drives, ADA telephones, door operators, power units, pumps and cab interior upgrades. The project will ensure safe performance and reliability of the elevator equipment and will comply with current life safety codes. Phase 1 addresses one elevator each in Cragmor Hall (UCCS #90007) and Columbine Hall (UCCS #90015). Phase 2 addresses the two elevators in El Pomar (UCCS #90012), one elevator in Engineering and Applied Sciences Building (EASB) (UCCS #90014), Phase 3 addresses two elevators each in University Hall (UCCS #90070) and Main Hall (UCCS #90008)

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
		FY21/22 Ph 2 - El Pomar and EASB	\$416,953
		FY22/23 Ph 3 - University and Main	\$405,831
Funded To Date		Project Balance	<b>\$822,784</b>
Current Phase		All Phases	
FY20/21 Ph 1 - Cragmor and Columbine	<b>\$238,465</b>	Project Total	<b>\$1,061,249</b>





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**Funding Recommendation**

119 36 Department of Military and Veterans Affairs

**Replace Pavement and Upgrade Security Lighting, BAFB Aviation Readiness Center, Ph 1 of 2 \$795,339**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Aviation Readiness Center (MANG 19999) located at Buckley Air Force Base, is used intensively for the readiness of air force operations. A motor pool (MP) for military vehicles is located north and east of the building. Privately owned vehicle (POV) parking is on the west side. Both parking lots are asphalt with considerable cracking and deterioration. The MP has differential settlement due to the weight of large vehicles, storage containers and soft soils. Large vehicles and storage crates are too heavy for asphalt paving over the existing soil conditions. Heavy vehicles turning on asphalt scar the pavement in hot weather. The sloped POV and Motor Pool parking lots soils have shifted causing large cracks in all directions. Security lighting levels around the building and in both parking areas are below minimum standards. Light poles in the motor pool are too close to the fence creating climbing opportunities for unauthorized persons.

Phase 1 will replace the 50,850 square foot MP asphalt parking lot with 6" concrete pavement and will replace existing building and pole mounted metal halide fixtures with LED lamped luminaires in the area of the MP. Phase 2 will replace the 39,600 square foot POV asphalt parking lot with 6" concrete pavement, eliminate an ingress/egress drive, reconfigure the parking layout and will replace existing building and pole mounted metal halide fixtures with LED lamped luminaires in the area of the POV. This project is part of a 50/50 cost share with the Federal Government.

**PROJECT FUNDING:**

<b>Prior Phasing</b>	<b>CCF</b>	<b>FF</b>	<b>Future Phasing</b>	<b>CCF</b>	<b>FF</b>
Funded To Date	\$0	\$0	FY21/22 Ph 2 - POV Lot	\$673,662	\$673,662
			Project Balance	<b>\$673,662</b>	<b>\$673,662</b>
<b>Current Phase</b>			<b>All Phases</b>		
FY20/21 Ph 1 - MP Lot	<b>\$795,339</b>	<b>\$795,339</b>	Project Total	<b>\$1,469,001</b>	<b>\$1,469,001</b>



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**Funding Recommendation**

120 36 History Colorado

**Paint High Bridge, Georgetown Mining and Railroad Park, Ph 1 of 1**

**\$684,479**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Georgetown Loop Railroad is a popular tourist attraction and a primary source of funding for History Colorado. The High Bridge (HEHS 4475) built 1984, is in need of painting to protect the steel frame from the elements. Areas are starting to peel and expose the underlying layers and the steel framing, which will result in rust damage, and in turn, eventual structural fatigue. Delaying the painting will increase the threat to the structural steel integrity of the bridge. Should the superstructure be compromised, the loss of use of the bridge would result in an inability to run the train for paying visitors.

This project will include water blasting all steel painted members, preparation, and application of exterior waterborne acrylic semi-gloss dry fog paint on the entire steel structure.

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Paint High Bridge	<b>\$684,479</b>	Project Total	<b>\$684,479</b>





Ref. No. Score

**Funding Recommendation**

121 42 Department of Local Affairs - Fort Lyon

**Refurbish Water Tower, Ph 1 of 1**

**\$136,187**

PROJECT DESCRIPTION / SCOPE OF WORK:

The Water Tower (GCSC0034) was constructed in 1990 by the Colorado Department of Corrections prior to the land and buildings being transferred to the Department of Local Affairs to maintain. To provide consistent maintenance, the agency intends to enter into a maintenance contract for ongoing service. The company that would provide the maintenance contract requires that all deficiencies be rectified prior to entering into the maintenance contract.

The scope of refurbishment includes cleaning and repainting the full exterior of the water tower. Also included, is touching up damaged paint and insulation areas of the interior structure and stand pipe. Once under the maintenance contract, all maintenance, cleaning, refurbishment, and damage liability would be the responsibility of the maintenance company.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Ft. Lyon Water Tower	\$136,187	Project Total	\$136,187



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**Funding Recommendation**

122 42 Colorado State University - Pueblo

**Repair Roof, Physical and Heat Plant, Ph 1 of 1**

**\$761,794**

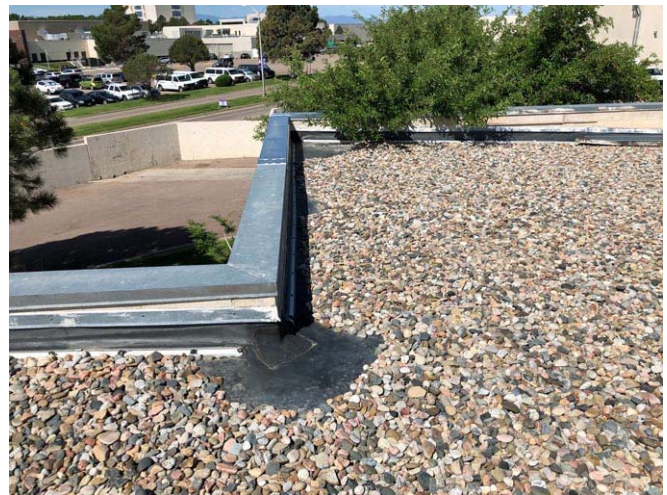
PROJECT DESCRIPTION / SCOPE OF WORK:

The roofs of the Physical (HESC #1257) and Heat Plant (HESC #1247) are at the end of their life cycle and in need of replacement. Numerous patches have extended the life of the roofs but then need replacement. The Physical Plant building and the Heat Plant building support the entire facilities staff that keep the entire campus operational. The Heat plant will house the generators for the solar expansion project. Leaks at these building would affect operations possibly of the entire campus. Leaks would damage the new generators for the solar project.

This project will replace both roofs with code compliance roofs.

PROJECT FUNDING:

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Roof, 2 Buildings	\$761,794	Project Total	\$761,794





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**Funding Recommendation**

123 48 Front Range Community College

**Roof Replacement, North Roof Section, Westminster Campus, Ph 1 of 1**

**\$1,795,886**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

The main building (HEFR0750) of the Westminster Campus of Front Range Community College is a long sprawling structure that has a roof system broken into 18 distinct roof areas. Because of the size of the roofing systems, the project has been broken into three different project requests. The roofs to be addressed are on the north portion of the main building and on top of the narrow penthouse structure that runs the length of the main building. The work order roof leak history from 2014 to present indicate 64 events which needed action either by campus staff or repairs by a roofing contractor.

This project will install an insulated modified bitumen roofing. The asphalt built-up roofing (BUR) option was not possible here as codes do not allow ballast or gravel surfacing in this situation.

**PROJECT FUNDING:**

Prior Phasing		Future Phasing	
Funded To Date	\$0	Project Balance	\$0
Current Phase		All Phases	
FY20/21 Ph 1 – Roof, N. Section Main Bldg	\$1,795,886	Project Total	\$1,795,886



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**Funding Recommendation**

124 48 Department of Human Services

**Refurbish Secondary and Emergency Electrical Systems, Tier 1, CMHIP, Ph 1 of 3**

**\$1,652,056**

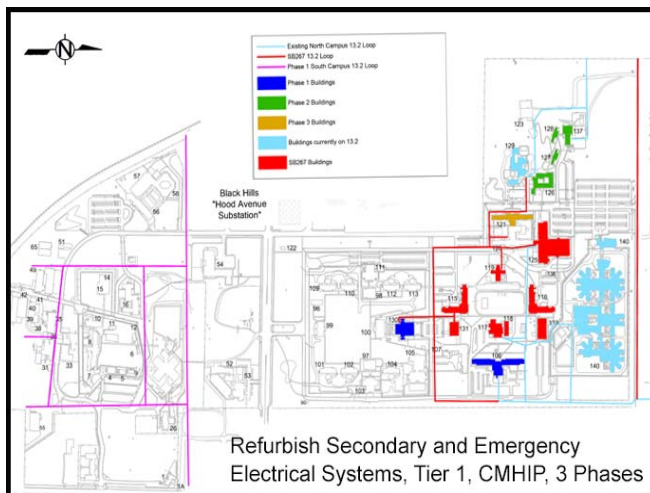
**PROJECT DESCRIPTION / SCOPE OF WORK:**

The Colorado Mental Health Institute at Pueblo (CMHIP) has many facilities used to house and rehabilitate individuals for improved mental health. This project will address work that is not being addressed in the projects funded through SB17-267.

Phase 1 is the replacement of the primary electrical loop on the southern campus. The existing 13.2 kV overhead primary electrical power lines are to be removed from service once the new underground primary is commissioned. Building 106 (HSSH2877) and 130 (HSSH2900) will receive electrical service upgrades. Building 130 will also receive a new backup generator. Phase 2 migrates CMHIP buildings 126 (HSSH2896), 127 (HSSH2897), 128 (HSSH2898), 137 (HSSH2907) to the new 13.2 kV primary system on the north campus. These individual buildings also have old, antiquated secondary electrical equipment and distribution panels which need to be upgraded. Phase 3 will upgrade the secondary electrical service on building 121 (HSSH2892).

**PROJECT FUNDING:**

ROBERT FUNDING:			
Prior Phasing		Future Phasing	
Funded To Date	\$0	FY21/22 Ph 2 - Buildings 126, 127, 128, & 137	\$1,599,338
		FY22/23 Ph 3 - Building 121	\$1,991,550
		Project Balance	\$3,510,888
Current Phase		All Phases	
FY20/21 Ph 1 - Southern Electric Loop	\$1,652,056	Project Total	\$5,162,944





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**Funding Recommendation**

125 48 Office of the Governor - Office of Information Technology

**Replace Microwave Site Shelter Roofs, 13 Sites, Ph 1 of 1**

**\$877,806**

**PROJECT DESCRIPTION / SCOPE OF WORK:**

Several microwave buildings throughout the state need new roofs. Some of these roofs have not been replaced since 1988. These buildings house our DTR equipment that is in excess of \$500,000 and are the statewide microwave communications backbone for connectivity to Denver. Because of the severe weather conditions these roofs are exposed to, it has caused the roofs to erode.

This project would replace the roofing at thirteen sites: Akron (EXIT1894), Bald South Mtn (EXIT1945), Cedar Mtn (EXIT1916), Cupola (EXIT1917), Grand Mesa (EXIT1920), La Monte (EXIT1947), Mines (EXIT1855), Monarch (EXIT1952), North Mtn. (EXIT1923), Storm King (EXIT1925), Walsenburg (EXIT1872), Whitewater (EXIT1928), and Wray (EXIT1900).

**PROJECT FUNDING:**

<b>Prior Phasing</b>		<b>Future Phasing</b>	
Funded To Date	<b>\$0</b>	Project Balance	<b>\$0</b>
<b>Current Phase</b>		<b>All Phases</b>	
FY20/21 Ph 1 – Thirteen Sites	<b>\$877,806</b>	Project Total	<b>\$877,806</b>

