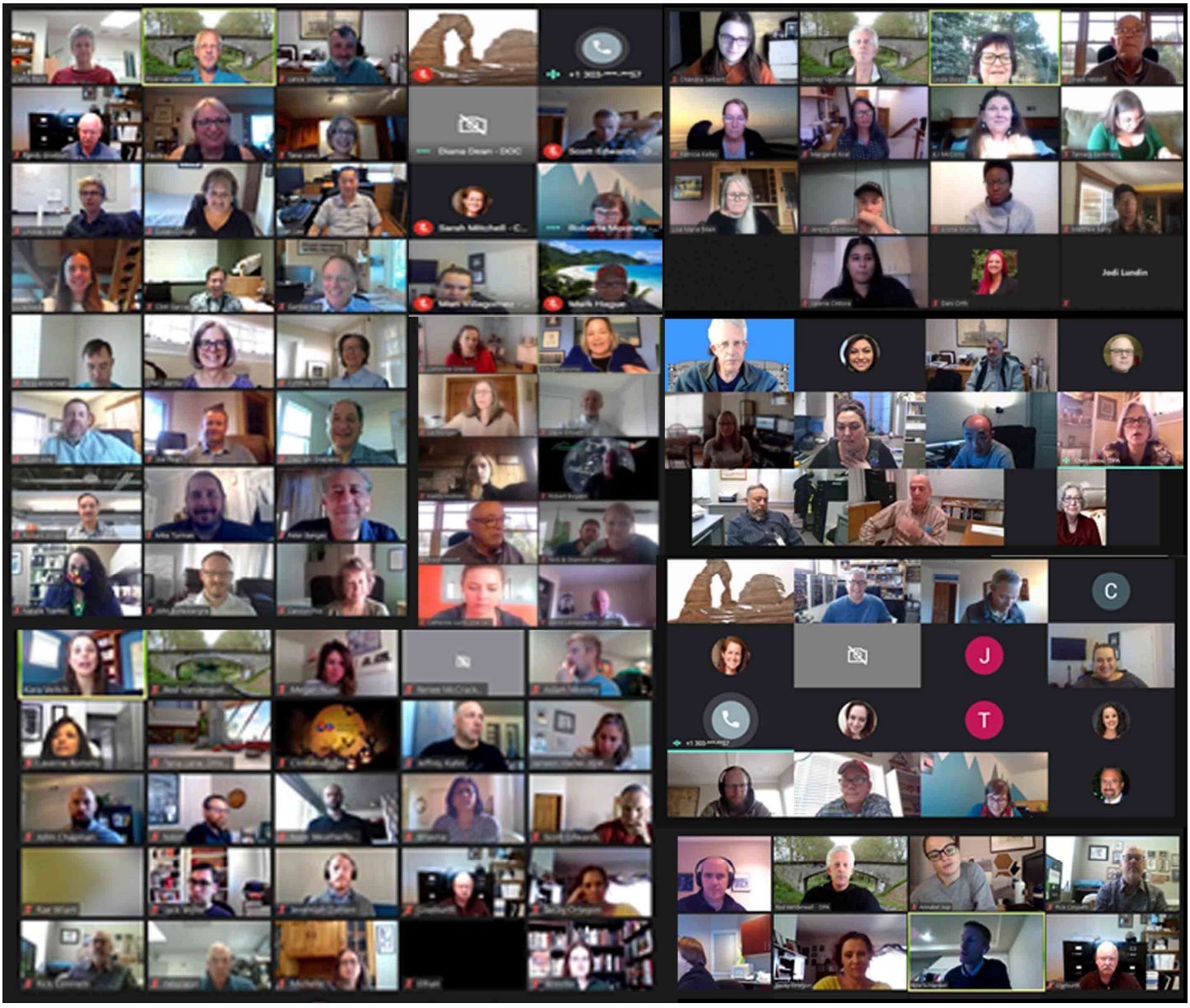
STATE OF COLORADO OFFICE OF THE STATE ARCHITECT
ANNUAL REPORT

PRESENTED TO THE **CAPITAL DEVELOPMENT COMMITTEE**
DECEMBER 2020

BY THE
DEPARTMENT OF PERSONNEL & ADMINISTRATION
OFFICE OF THE STATE ARCHITECT



COLORADO
Office of the State Architect
Department of Personnel & Administration

1525 Sherman St.
Denver, CO 80203

December 16, 2020

Representative Edie Hooton, 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 Representative Hooton and Committee Members:

The Office of the State Architect (OSA) hereby submits to the Capital Development Committee (CDC) the FY2021/22 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 FY2021/22 Capital Construction project requests listed in Sections II - A, B, C, and D, Recommendations and Request, were submitted for review to OSA from each state agency as part of their Capital Construction Five-Year Plan and Annual Budget request submission. Capital Construction as defined in statute is Cash Funded, Capital Renewal, Capital Construction, Controlled Maintenance project requests, and Acquisitions / Dispositions request. 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 CDC. Concurrently, the Controlled Maintenance project requests listed in Section II - E, Recommendations, 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 requests* to OSPB and the CDC. Subsequently in most years, 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 – E 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 from HB18-1322 and SB17-267, our annual controlled maintenance funding goal of 1% was achieved only once in the last twenty years.

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, in light of the impact of COVID on our state's budget, the people and the State of Colorado, the OSA and the state agencies and institutions of higher education sincerely value the essential role that the Capital Development Committee plays in supporting, as possible, the need for annual capital construction and controlled maintenance funding.

Sincerely,

Cheri R. Gerou

Digitally signed by Cheri R. Gerou
Date: 2020.12.15 09:49:15 -07'00'

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

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 31% (11.7 million GSF) over the past twenty years, from 37.0 million GSF in FY2001/02 to 48.7 million GSF in FY2020/21 with a Current Replacement Value (CRV) of $14.0 billion dollars. (The CRV is calculated from insured values from DPA-Division of Risk Management and as reported from Institutions of Higher Education). Auxiliary funded and non-academic buildings have been reported at an additional 32.1 million GSF with an additional CRV of $7.5 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 comprising **2,388** buildings. Approximately 1,293 buildings, comprising 27.1 million GSF (56% of the total inventory) were constructed pre-1980. Of that, 1,039 buildings, 19.1 million GSF are pre-1970 (39% of the total inventory) and 717 buildings, 12.0 million GSF are pre-1960 (25% 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), 19% was within an FCI of 0.35 to 0.60 (poor-fair condition), 52% was within an FCI of 0.60 to 0.85 (fair-good condition), and 21% was within an FCI of 0.85 to 1.0 (targeted condition). Conversely, **86% 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 next page. This has resulted in controlled maintenance appropriations below recommended funding levels with the exceptions of FY2018/19 as illustrated in **CHART B** on the next page. 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.

FY2020/21 RECOMMENDATIONS

- **Cash Funded Requests for State Departments (Planning Services to Facilities Maintenance):** Two (2) cash funded project requests from state agencies were recommended by the OSA to the OSPB for a total of $2,458,841 (Refer to SECTION II – A for project details).
- **Capital Renewal/Capital Renovation Requests for State Departments (Upgrades to Existing Facilities):** Fifteen (15) Capital Renewal/Capital Renovation project requests from state agencies were recommended by the OSA to the OSPB for a total of $136,751,106 (Refer to SECTION II - B for project details).
- **Capital Construction Requests for State Departments (New Facilities):** Two (2) Capital Construction project requests from state agencies were recommended by the OSA to the OSPB for a total of $1,614,750 (Refer to SECTION II - C for project details).
- **Acquisitions / Dispositions for State Departments (Purchase, Transfer, or Disposing of Real Property):** Five (5) Acquisitions / Dispositions requests from state agencies were recommended by the OSA to the OSPB (Refer to SECTION II - D for project details).
- **Statewide Controlled Maintenance Budget Request (Repairs to Existing Facilities):** One hundred and thirteen (113) prioritized project requests are recommended by OSA for FY2021/22 as the *statewide controlled maintenance budget request* comprised of **$106,291,668** for current-year project requests and **$65,224,942** for thirty-seven (37) associated out-year project phases for a total of **$171,516,610** (Refer to SECTION II - E for project details). As a RR, the current and out-year budget request total is equivalent to **1.23% of the CRV** for FY2020/21**.** Controlled Maintenance project requests fall into the following categories: life-safety, structural, heating-ventilation and air conditioning, electrical, plumbing, roofing, general maintenance and infrastructure.
- **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 **$599,742,012** for FY2021/22. The reported Capital Construction/Capital Renewal project request Five-Year Plan total for general funded/academic buildings and infrastructure for state agency's is **$2,080,690,296** and for institutions of higher education is **$2,453,203,099** for a total of **$4,533,893,395.** (Refer to SECTION III – H).

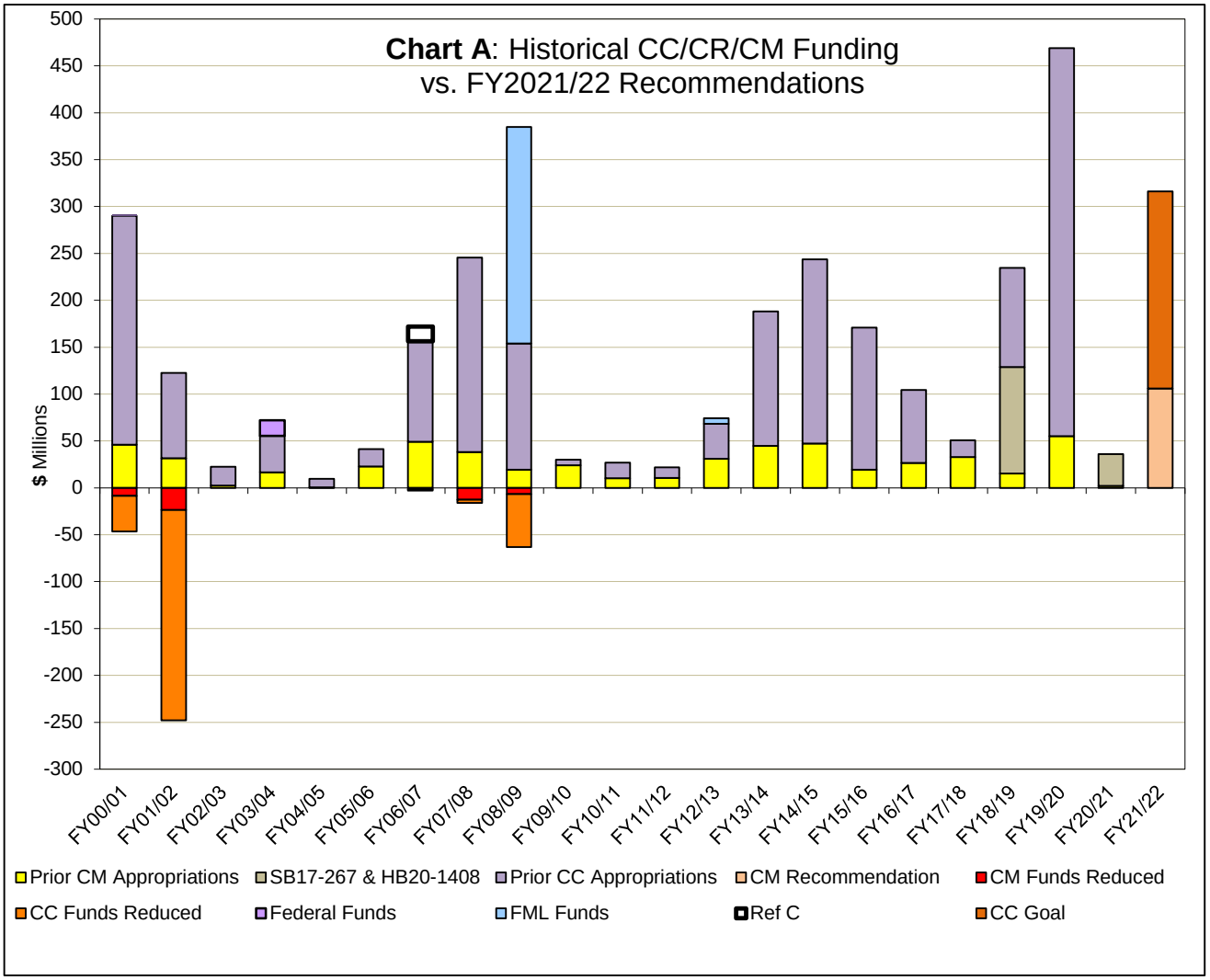


Chart A: Historical CC/CR/CM Funding vs. FY2021/22 Recommendations
$ Millions
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
FY00/01
FY01/02
FY02/03
FY03/04
FY04/05
FY05/06
FY06/07
FY07/08
FY08/09
FY09/10
FY10/11
FY11/12
FY12/13
FY13/14
FY14/15
FY15/16
FY16/17
FY17/18
FY18/19
FY19/20
FY20/21
FY21/22
CC
CM
Prior CM Appropriations
SB17-267 & HB20-1408
Prior CC Appropriations
CM Recommendation
CM Funds Reduced
CC Funds Reduced
Federal Funds
FML Funds
Ref C
CC Goal

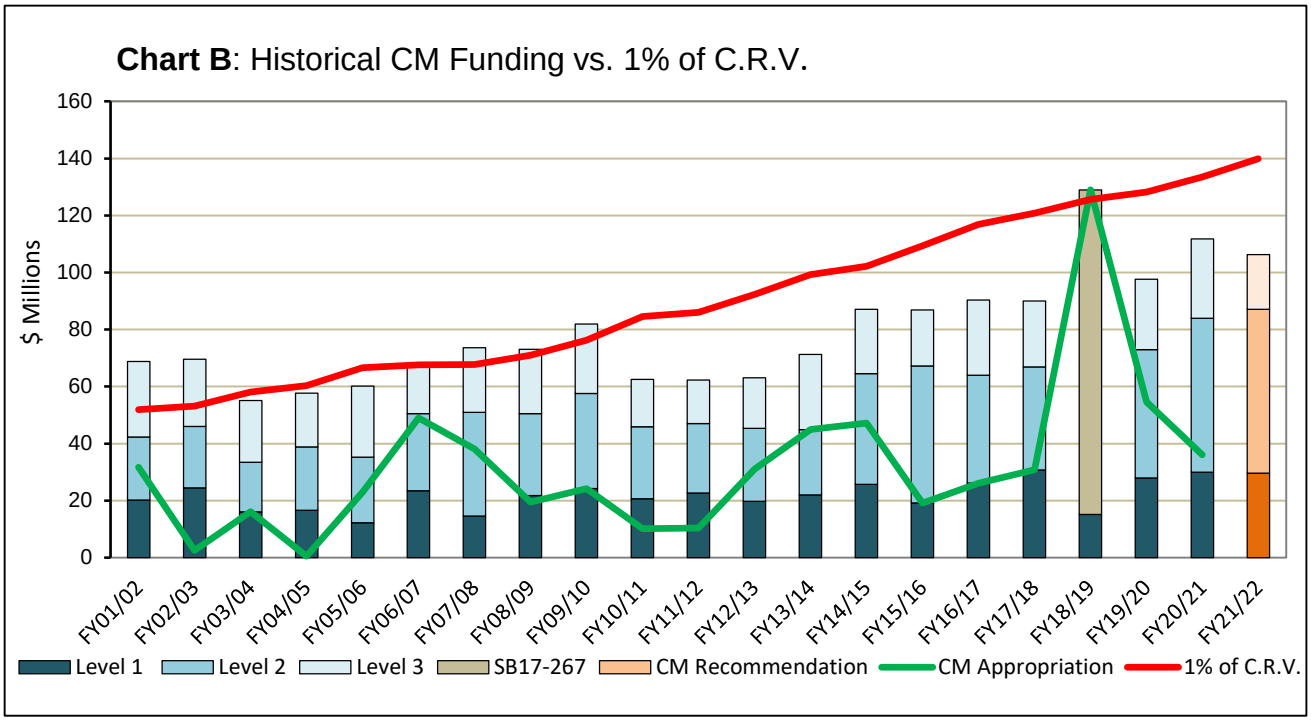
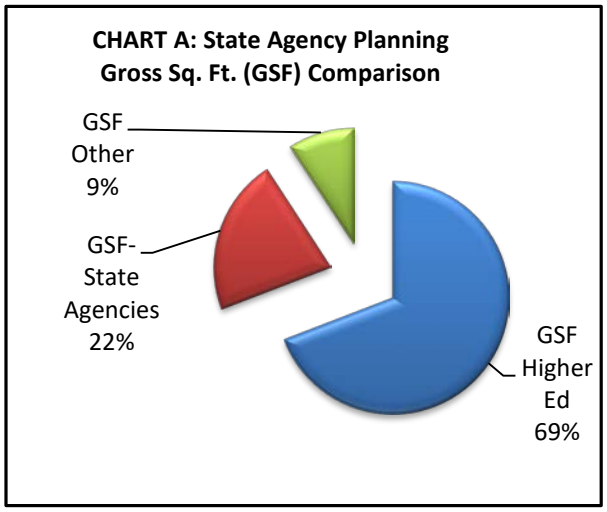
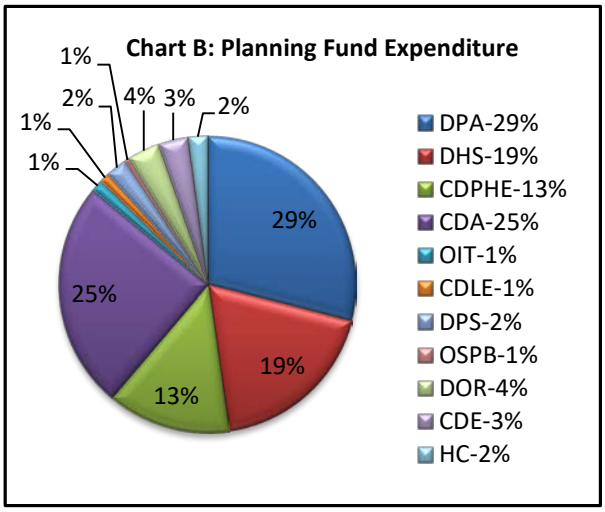


Chart B: Historical CM Funding vs. 1% of C.R.V.
$ Millions
160
140
120
100
80
60
40
20
0
FY01/02
FY02/03
FY03/04
FY04/05
FY05/06
FY06/07
FY07/08
FY08/09
FY09/10
FY10/11
FY11/12
FY12/13
FY13/14
FY14/15
FY15/16
FY16/17
FY17/18
FY18/19
FY19/20
FY20/21
FY21/22
L - 3
L - 2
L - 1
Level 1
Level 2
Level 3
SB17-267
CM Recommendation
CM Appropriation
1% of C.R.V.

SECTION I: EXECUTIVE SUMMARY - STATEWIDE PLANNING PROGRAM

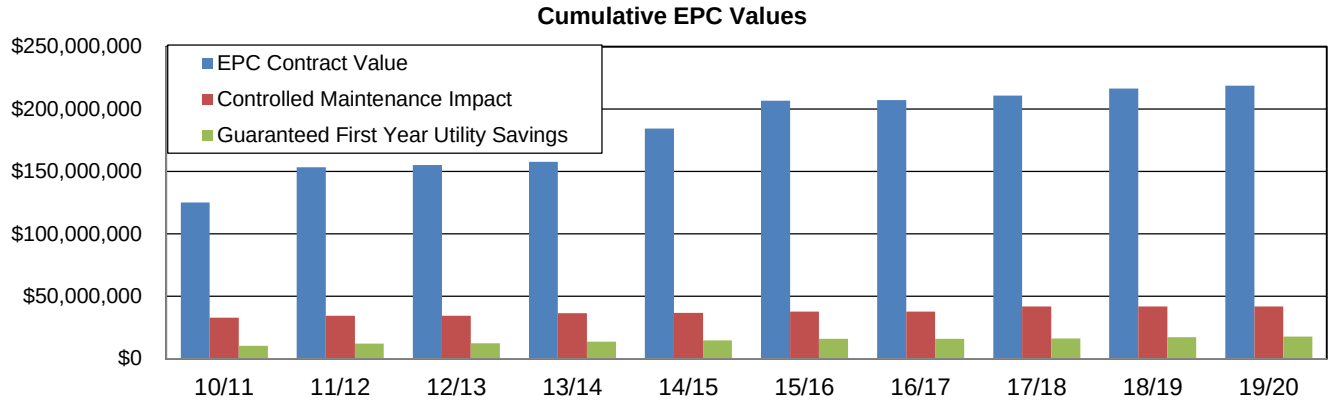
- **Planning Program Established:** A management audit in 2012 identified that the State lacked "a comprehensive mechanism for long-term planning for its real estate assets. Such a mechanism could assist the State in its efforts to maximize the value of its real estate assets, reduce facility costs and 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 - F). This year, there were no FPP's submitted for review.
- **State Agency Planning Fund**: **State Agency Planning Fund**: This year, the SPP selected 5 Statewide Planning Consultants that can be used to assist state agencies with implementing the requirements of the program. The Statewide Planning Consultant in prior years has implemented **42** task orders at **11** agencies totaling **$3,301,177** for State Agencies as noted in **CHART B** which is approximately **61%** of the appropriated statewide planning fund with three-year expiration to date (Refer to SECTION lll - G). 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.



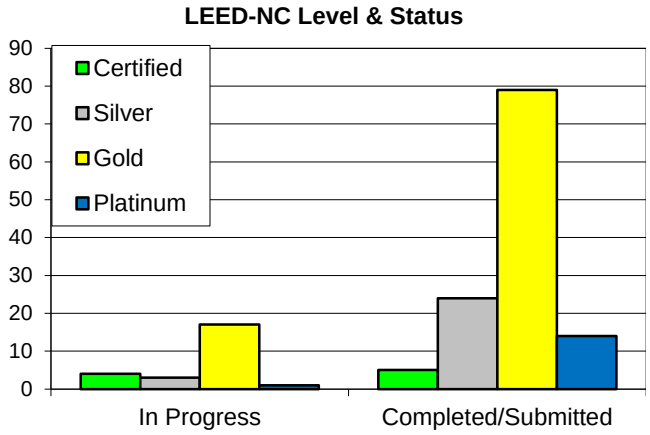


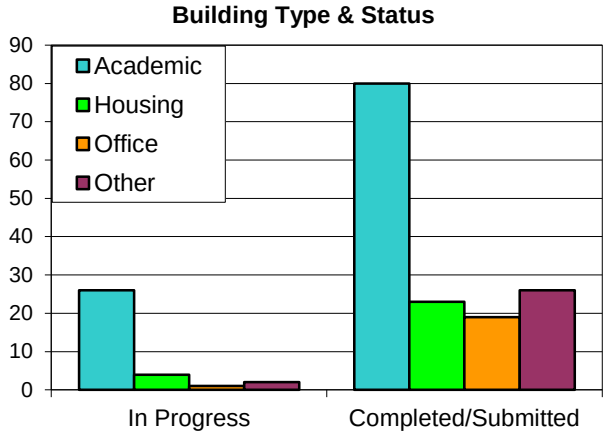
SECTION I: EXECUTIVE SUMMARY - ENERGY MANAGEMENT PROGRAM

- **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 **$218,584,642** which includes the funding of **$41,922,644** in identified controlled maintenance needs and a guaranteed first year utility savings of **$17,772,223.** The chart below graphs the cumulative total values over the last ten fiscal years. (Refer to SECTION III - I).



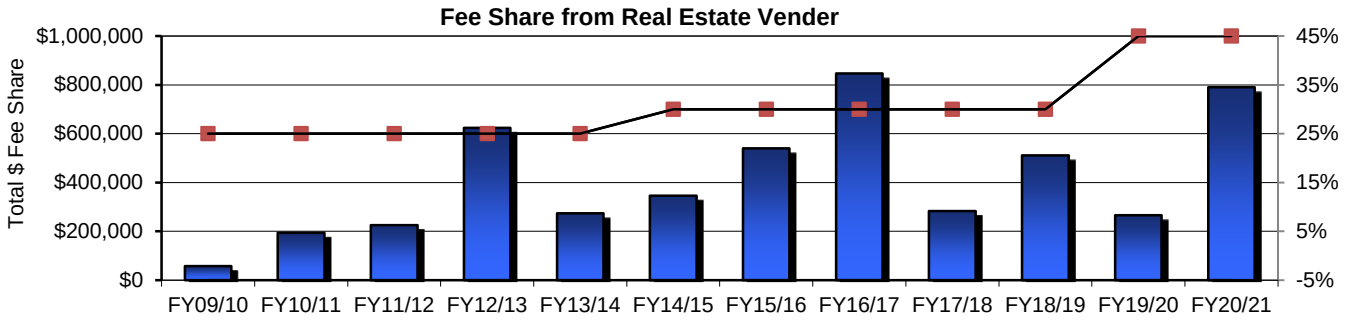
- **High Performance Buildings and the Governor's Executive Orders:** The High Performance Certification Program (HPCP) standards were adopted by the Office of the State Architect (OSA) to establish the design and construction guidelines for *new buildings* and buildings undergoing substantial renovations 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 HCPC standards, (Refer to SECTION III - J). In 2017 the U.S. Green Building Council announced that, based on its analysis, Colorado ranked 2nd nationally for the number of LEED-certified environmentally friendly commercial and institutional buildings per capita.



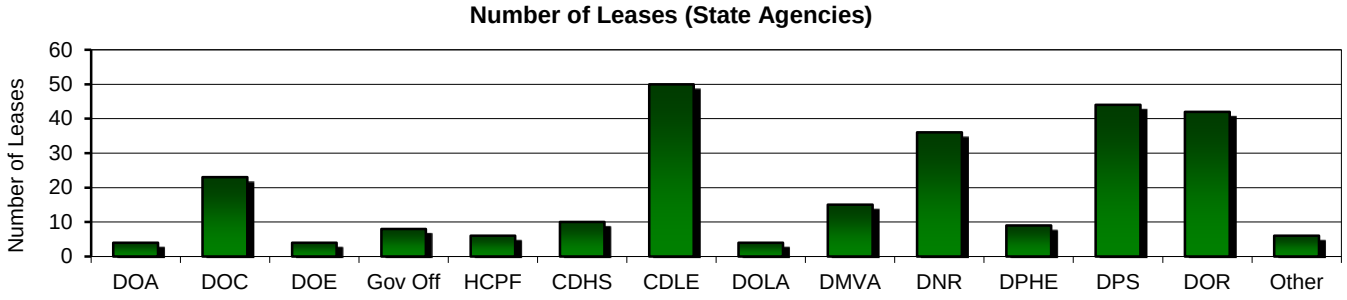


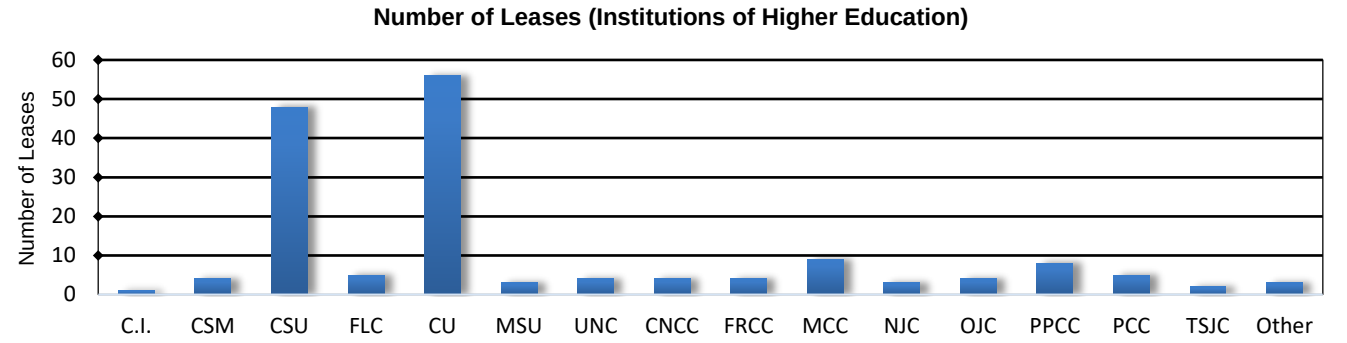
SECTION I: EXECUTIVE SUMMARY - REAL ESTATE PROGRAM

- **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. In July 2014 it was increased to 30%. The most recent procurement in early 2019 raised this amount even further to **45%.**



- **Leased Property:** As of October 2020 there were **424** commercial building lease agreements in FY 2020/21; comprised of 261 leases with state agencies and 163 leases with institutions of higher education. The commercial building leases comprised a total of 3,734,264 rentable square feet. The annual base rent paid by state agencies and institutions of higher education to third parties has increased over 75% in the last fifteen years from $38,480,872 in FY 2005/06 to **$67,973,601** in FY 2020/21. The chart below illustrates the number of leases by state agencies and institutions of higher education (Refer to SECTION III - M).





- **Interagency Leases:** There were **107** interagency leases in effect as of October 2020. These leases comprise a total of **1,660,846** 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 - N).
- **Acquisitions and Dispositions: 5** acquisitions and **3** dispositions of real property in FY2019/20 were reported to the Office of the State Architect/Real Estate Program for state agencies and institutions of higher education (Refer to SECTION III - K).
- **Vacant Facilities: 153** buildings comprising **1,331,938** gross square feet statewide were reported as of October 2020. 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 - L).

A. STATE AGENCIES: CASH FUNDED PROJECT REQUEST LIST AND DESCRIPTIONS

The table below lists the Cash Funded project requests for the current fiscal year based on the Office of the State Architect's (OSA) annual review process. Cash funded project requests are submitted on OSA's Capital Construction/Capital Renewal forms. The projects are listed by reference number, project title, and dollar amount. The process includes an annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each cash 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.

On the following pages is the individual project descriptions for the recommended projects. The descriptions provide a brief scope narrative of each recommended Cash Funded project request and the corresponding name of the state department, the building or site, funding history and current funding request. The reference number (**Ref. No**.) at the top left corner of each description page corresponds to the reference number listed for each project request in the list of recommendations. The Office of the State Architect prepares the list based on criteria developed in coordination with the Department of Higher Education and the Governor's Office of State Planning and Budgeting. 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.

The table below lists the 2 Cash Funded recommended projects. The total of the current year project requests is **$2,458,841**.

Ref. No.	Agency Project Title, Phase	Project P#.	Prior Funding	Current - Year Project Request	Out - Year Project Balance	Total Project Cost
1	History Colorado **Regional Property Preservation, Various Facilities, Continuation**		$2,800,000	$700,000	$0	$3,500,000
2	Department of Human Services **Department Wide Facility Master Plan**	2017-030P16	$1,101,159	$1,758,841	$0	$2,860,000
	CASH FUNDED TOTALS		$3,901,159	**$2,458,841**	$0	$6,360,000

Ref. No **Funding Recommendation**

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 the stove vent. El Pueblo Museum (HEHS7361) 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:

Prior Phasing:		**Future Phasing**:	
FY16/17: Cash Fund (CF)	$700,000		
FY17/18: Cash Fund (CF)	$700,000		
FY18/19: Cash Fund (CF)	$700,000		
FY20/21: Cash Fund (CF)	$700,000		
Funded To Date:	**$2,800,000**	Project Balance:	**TBD**
Current Phase:		**All Phases**:	
FY21/22: Ph 1 Cash Fund (CF)	**$700,000**	Project Total:	**$3,500,000**

Ref. No **Funding Recommendation**

2 Department of Human Services

Department-wide Facility Master Plan, Ph 2 of 2 **$1,758,841**

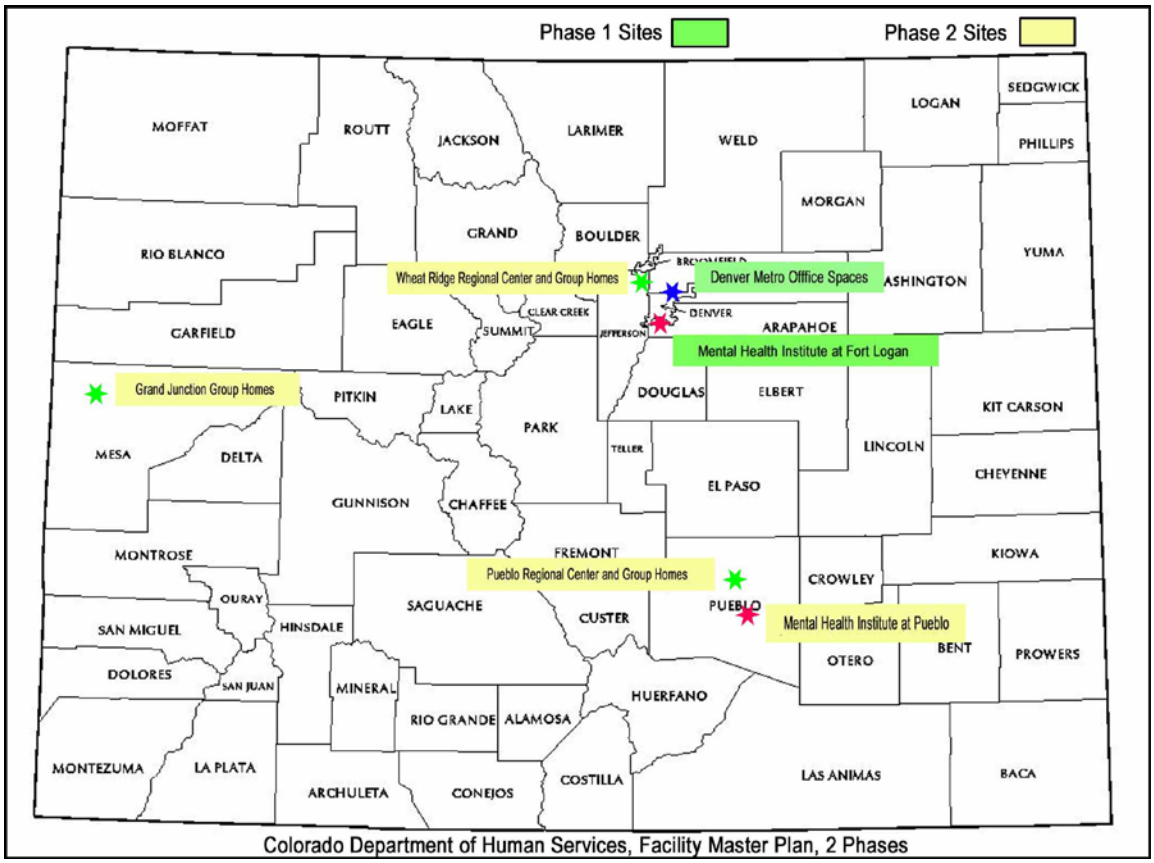
PROJECT DESCRIPTION/SCOPE OF WORK:

The Department-wide Facility Master Plan (FMP) (along with the ongoing first phase in addition to all other planning initiatives already completed in progress or to be undertaken), will address all Department-owned, active, vacant and occupied buildings (including leased spaces), which amounts to 4,152,165 square feet (sf), 354 buildings, and 1,573 acres on 20 campuses (this campus count does not include the Regional Centers' group home properties). The FMP will include: evaluation of property (including land surveying where applicable); infrastructure conditions audits; program plans and need; facility conditions and field audits (where needed); code compliance and standards evaluation; options/ strategies for underutilized properties (including repurposing, replacement, consolidation, or divesting); and implementation recommendations.

Phase 1 of 2 examined the Fort Logan campus and all the Denver metro area non 24/7 offices. The scope included all 74 buildings on the Colorado Mental Health Institute at Fort Logan (CMHIFL) campus, except for the 15 Office of Behavior Health buildings. It also examined the 368,951 GSF of non 24/7 DHS office space in the Denver metro area both owned and leased. Phase 2 of 2 combines previously planned phases 2 and 3 and will address the Pueblo campus, excluding the 10 buildings under the scope of the Colorado Mental Health Institutes at Pueblo FPP and the Hawkins Institute, which was built in 2009. It will also examine the owned and occupied buildings and campuses for Division of Regional Center Operations and all the remaining CDHS assets across the State not covered under separate discrete planning study scopes, (except the Grand Junction Regional Center campus, for which a separate initiative is in progress as mandated by SB 16-178). The facility planning will help comply with the statutory planning requirements in SB 15-270, as defined in 24-1-136.5 C.R.S. (2020). It will establish a direction for long-term facility development and capital improvements based upon the Department's operational master plans, and programs goals and objectives.

PROJECT FUNDING:

Prior Phasing: **2017-030P16**		**Future Phasing**:	
FY19/20: Ph 1 (CF)	$1,101,159		
Funded To Date:	**$1,101,159**	Project Balance:	**$0**
Current Phase:		**All Phases**:	
FY21/22: Ph 2 Cash Funds (CF)	**$1,758,841**	Project Total:	**$2,860,000**



Colorado Department of Human Services, Facility Master Plan, 2 Phases

B. STATE AGENCIES: CAPITAL RENEWAL PROJECT REQUEST LIST AND DESCRIPTIONS FOR FY2021/2022

On the following page(s) is a list of recommendations for Capital Renewal (CR) project requests for the current fiscal year based on the Office of the State Architect's (OSA) annual review process. Capital Renewal is 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 projects are listed by reference number, level, project title, and dollar amount. The OSA process includes an annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each 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.

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

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 five year maintenance plans.

The chart below summarizes by priority level, quantity and dollar amount the **$136,751,106** of current-year project requests and also lists for further consideration an additional **$93,277,129** of associated out-year project request balances by project phase, for a total of **$230,028,235**.

Priority	Quantity		Current-year project requests/Out-year project phases	$ Amount	
Level 1*	5		Current-year project requests	$31,404,192	
		2	Out-year project phases		$82,840,069
Level 2**	7		Current-year project requests	$78,704,201	
		1	Out-year project phases		$10,437,060
Level 3***	3		Current-year project requests	$26,642,713	
		0	Out-year project phases		$0

***Level 1** incorporates critical projects that are predominantly *life safety and/or loss of use* (the later resulting from building equipment or infrastructure system failure and/or lack of compliance with codes, standards and accreditation requirements).

****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 building or infrastructure *deterioration*.

Ref. No.	Agency **Project Title, Phase**	Project P#.	Prior Funding	**Current - Year Project Request**	Out - Year Project Balance	Total Project Cost
LEVEL 1						
1	Department of Corrections **Steam Condensate Line Replacement, Sterling Correctional (SCF), Ph 1 of 1**		$0	**$8,487,496**	$0	$8,487,496
2	Department of Human Services **HVAC Replacement, 4 buildings, Colorado Mental Health Institute at Pueblo (CHMIP), Ph 1 of 3**		$0	**$4,196,140**	$49,295,878	$53,492,018
3	Department of Agriculture - State Fair **Repair/Replace Water Utilities, Colorado State Fair Fairgrounds, Ph 1 of 1**		$0	**$3,487,307**	$0	$3,487,307
4	Department of Human Services **Infrastructure Upgrade, Colorado Mental Health Institute at Pueblo (CMHIP), Ph 1 of 3**		$0	**$10,503,970**	$33,544,191	$44,048,161
5	Department of Corrections **Water Tank Repair and Replacement, East Canon City Prison Complex (ECCPC), Ph 1 of 1**		$0	**$4,729,279**	$0	$4,729,279
	LEVEL 1 TOTAL		$0	**$31,404,192**	$82,840,069	$114,244,261
LEVEL 2						
6	History Colorado **Exterior Repairs, Grant Humphreys Mansion, Ph 1 of 1**		$0	**$3,930,232**	$0	$3,930,232
7	Department of Corrections **Sanitary Sewer Line Replacement, Buena Vista Correctional Facility (BVCF), Ph 1 of 1**		$0	**$2,123,652**	$0	$2,123,652
8	Department of Human Services **Infrastructure Upgrade, Colorado Mental Health Institute at Fort Logan (CMHIFL), Ph 2 of 3**	2002-108P1	$8,935,147	**$15,881,605**	$10,437,060	$35,253,812
9	Department of Corrections **Food Service Renovations, Sterling Correctional Facility (SCF), Ph 1 of 1**		$0	**$40,405,039**	$0	$40,405,039
10	Department of Corrections **Facility Utility Water Lines Replacement, Arkansas Valley Correctional Facility (AVCF), Ph 1 of 1**		$0	**$8,662,249**	$0	$8,662,249

Ref. No.	Agency **Project Title, Phase**	Project P#.	Prior Funding	**Current - Year Project Request**	Out - Year Project Balance	Total Project Cost
11	Department of Corrections **Security Control System Replacement, Arkansas Valley Correctional Facility (AVCF), Ph 1 of 1**		$0	**$3,352,313**	$0	$3,352,313
12	Department of Corrections **Security Control System Replacement, Colorado State Penitentiary (CSP), Ph 1 of 1**		$0	**$4,349,111**	$0	$4,349,111
	LEVEL 2 TOTAL		$8,935,147	**$78,704,201**	**$10,437,060**	**$98,076,408**
LEVEL 3						
13	Department of Corrections **Shower and Toilet Room Improvements, Arkansas Valley Correctional Facility (AVCF), Ph 1 of 1**		$0	**$11,278,808**	$0	$11,278,808
14	Department of Corrections **Electrical Infrastructure Replacement, East Canon City Complex (ECCPC), Ph 1 of 1**		$0	**$13,337,706**	$0	$13,337,706
15	Department of Corrections **Support Building Roof Replacement, Denver Women's Correctional Facility (DWCF), Ph 1 of 1**		$0	**$2,026,199**	$0	$2,026,199
	LEVEL 3 TOTAL		$0	**$26,642,713**	$0	$26,642,713
	CAPITAL RENEWAL RECOMMENDED TOTAL		$8,935,147	**$136,751,106**	**$93,277,129**	$238,963,382

Ref. No. Level **Funding Recommendation**

1 1 Department of Corrections

Steam Condensate Line Replacement, SCF, Ph 1 of 1 **$8,487,496**

PROJECT DESCRIPTION/SCOPE OF WORK:

This request will replace the degraded and failing steam condensate piping with new insulated lines that will provide heating for the entire Sterling Correctional Facility (SCF). This facility opened in 1999. 10,020 linear feet of lines will 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 has 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 system. In the first six months of 2018, seven breaks caused program disruption and costly repairs. To date over four million gallons of potable water has been lost due to leaks, with over 4,900 hours of staff time to make repairs. The repairs will include new concrete vaults with isolation valves to enable partial shutdowns for easier future maintenance.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$8,487,496**	Project Total:	**$8,487,496**

Ref. No. Level **Funding Recommendation**

2 1 Department of Human Services

HVAC Replacement, 4 Buildings, CMHIP Campus, Ph 1 of 3 $4,196,140

PROJECT DESCRIPTION/SCOPE OF WORK:

This 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 (HSSH2886), 116 (HSSH2887), 121 (HSSH2892), and 125 (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, facilities are experiencing intensified maintenance costs and increased system failures.

Phase 1 will address all the professional design services required for the work at four buildings. Phase 2 will address abatement and construction at Building 115, 116 and 121. Phase 3 will address abatement and construction at Building 125.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY21/22: Ph 2 CCF	$24,116,305
		FY22/23: Ph 3 CCF	$25,179,573
Funded To Date:	**$0**	Project Balance:	**$49,295,878**
Current Phase:		**All Phases:**	
FY20/21: Ph 1 Capital Construction Fund (CCF)	**$4,196,140**	Project Total:	**$53,492,018**

Ref. No. Level **Funding Recommendation**

3 1 Department of Agriculture

Repair/Replace Water Utilities, Colorado State Fair Fairgrounds, Ph 1 of 1 $3,487,307

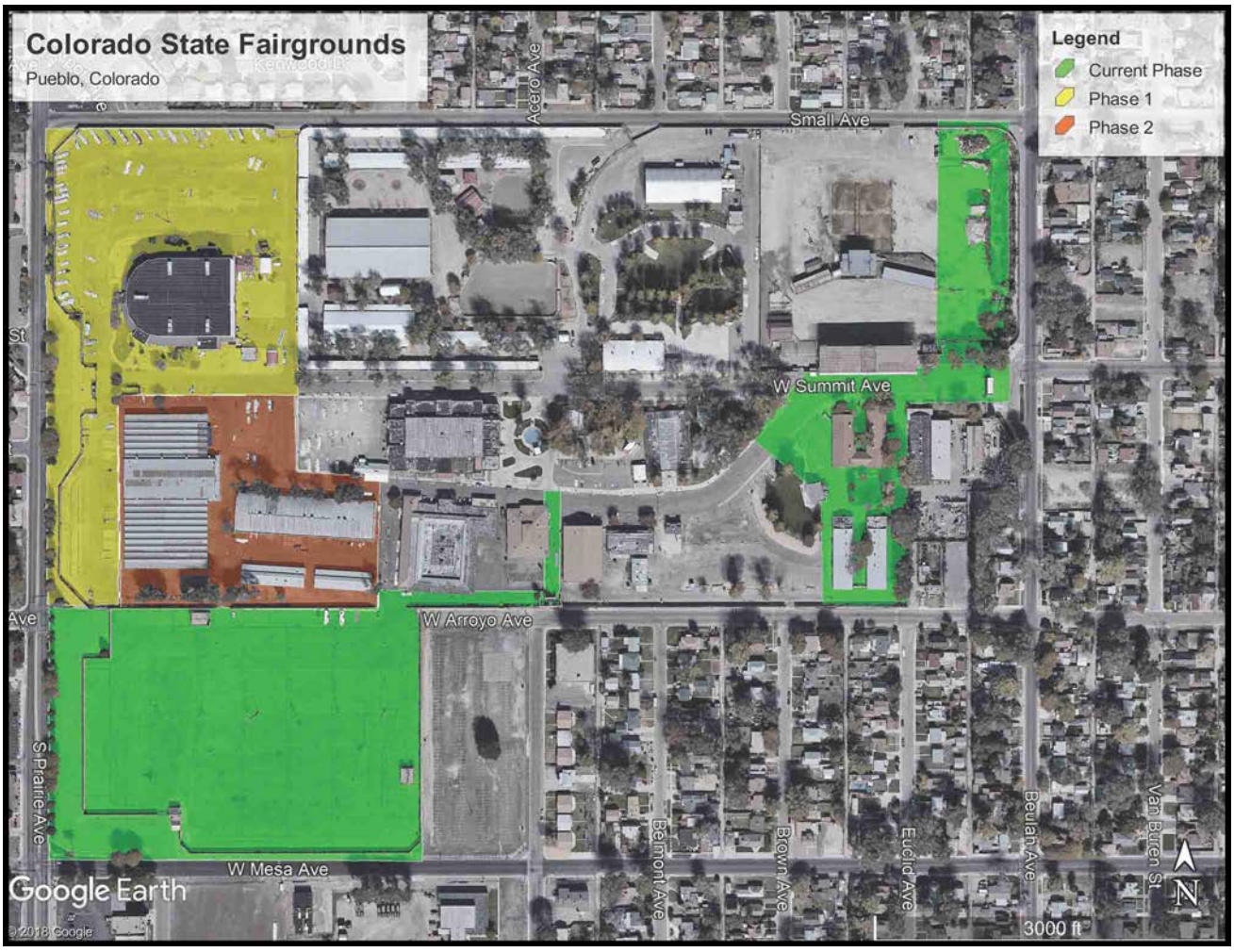
PROJECT DESCRIPTION/SCOPE OF WORK:

The purpose of this project is to separate the storm water and sanitary system as well as address water quality issues at the 4-H complex to adhere with water quality compliance standards. 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 condition 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 (CM):	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$3,487,307**	Project Total:	**$3,487,307**



Ref. No. Level **Funding Recommendation**

4 1 Department of Human Services

Infrastructure Upgrade, CMHIP, Ph 1 of 3 $10,503,970

PROJECT DESCRIPTION/SCOPE OF WORK:

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 at the Colorado Mental Health Institute at Pueblo (CMHIP).

Phase 1 includes work on the south side of the campus. It will 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 will 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, will complete design and construction of water and sewer line replacement, and new roads and walkways.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 CCF	$15,350,302
		FY23/24: Ph 3 CCF	$18,193,889
Funded To Date:	**$0**	Project Balance:	**$33,544,191**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$10,503,970**	Project Total:	**$44,048,161**

Ref. No. Level **Funding Recommendation**

5 1 Department of Corrections

Water Tank Repair and Replacement, ECCPC, Ph 1 of 1 $4,729,279

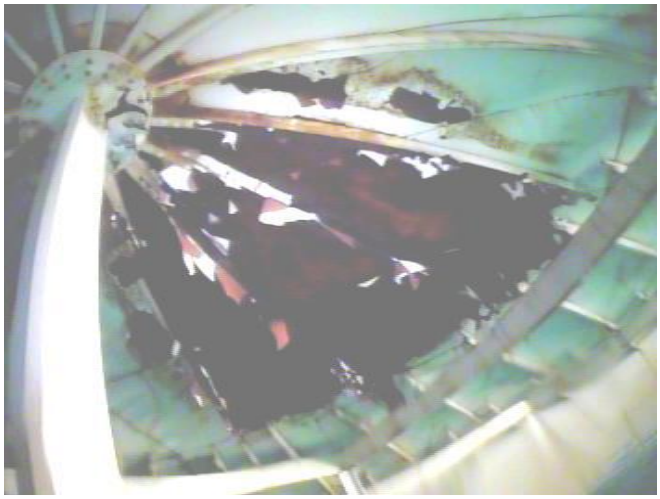
PROJECT DESCRIPTION/SCOPE OF WORK:

This request is for a new 1.63 million-gallon (MG) steel water tank, repair of the existing 1.6 MG tank and all associated required infrastructure to properly serve and sustain the East Canon City Prison Complex (ECCPC or Complex). Two tanks will give redundancy for the Complex which will enable the campus to experience a water line disruption and repair without disrupting the existing programs affecting over 5,000 inmates.

This request impacts operations and safety of all ECCPC facilities, including six correctional facilities, an international training center and support facilities. It will ensure sufficient, code-required, water storage in the case of a major fire event, while still supplying adequate water for daily needs at all locations, for an increased offender population. All six ECCPC correctional facilities depend on this water supply system for life sustaining water needs.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Capital Construction Funds (CCF):	**$4,729,279**	Project Total:	**$4,729,279**



Ref. No. Level **Funding Recommendation**

6 2 History Colorado

Exterior Repairs, Grant-Humphreys Mansion, Ph 1 of 1 $3,930,232

PROJECT DESCRIPTION/SCOPE OF WORK:
This request will 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 will 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 will 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:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$3,930,232**	Project Total:	**$3,930,232**

Ref. No. Level **Funding Recommendation**

7 2 Department of Corrections

Sanitary Sewer Line Replacement, BVCF, Ph 1 of 1 $2,123,652

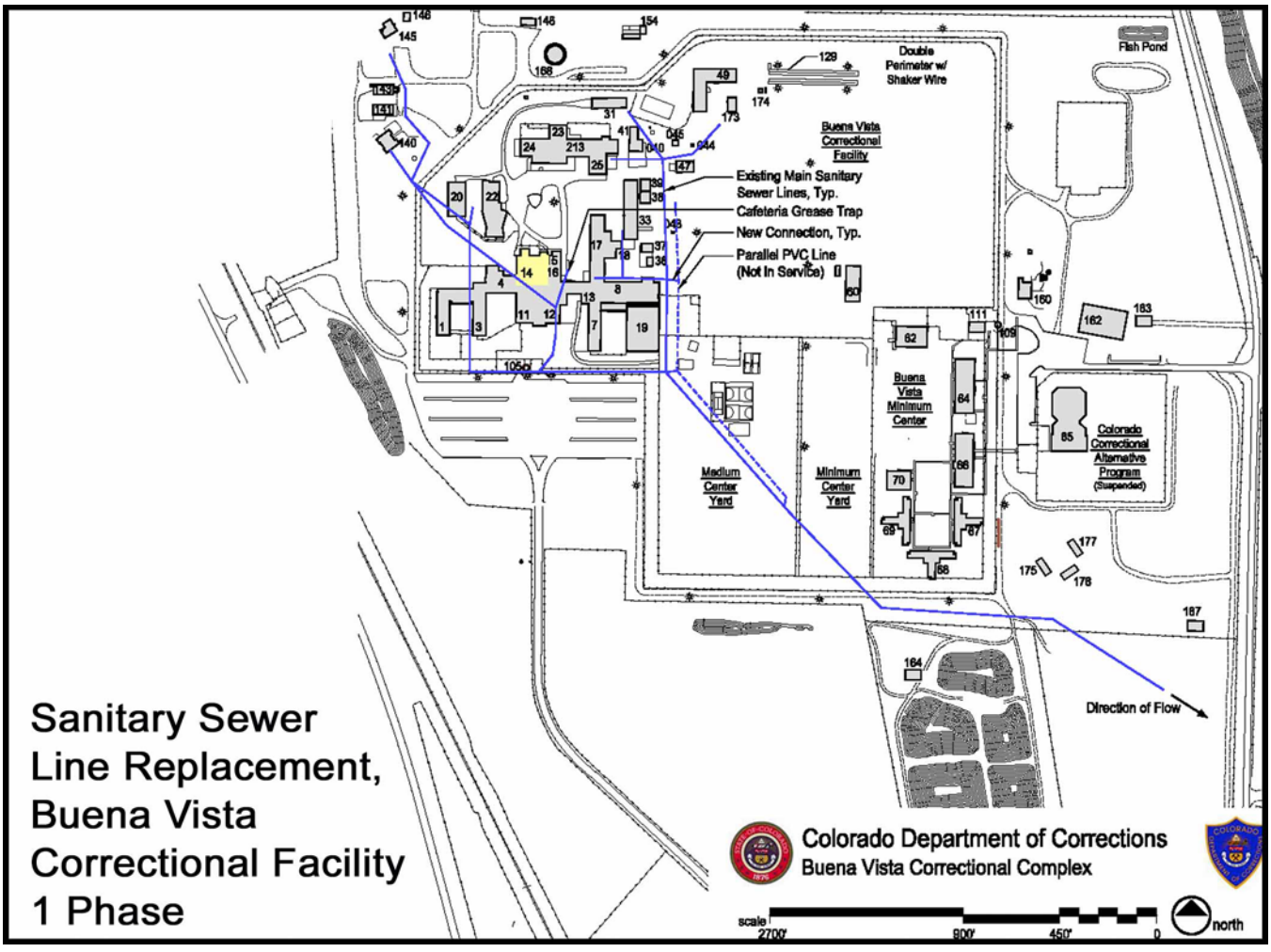
PROJECT DESCRIPTION/SCOPE OF WORK:

This request is for the replacement and rehabilitation of failing sanitary sewer lines serving the medium-security prison at the Buena Vista Correctional Facility (BVCF), a Level III male Facility. These lines are in danger of complete failure which will result in loss of use of the Facility. The existing BVCF sanitary wastewater collection system consists of approximately 3,000 linear feet of sewer pipe, ranging in diameter from 2 inches to 12 inches. A portion of the BVCF sewer pipelines exhibit evidence of having a negative slope, greatly inhibiting proper wastewater flow. Additional issues have developed over time, including the regular build-up of grease (from inability to properly jet the line, due to severe deterioration of the existing sewer line) and the presence of grit and gravel in the sewer lines, indicating a break in the sewer which is allowing ground water into the system thus increasing the facility's waste water treatment costs.

This project contains two critical steps of work to resolve these problems. First; connect the existing sewer system to the newly installed, yet unused parallel system. This will allow for work to proceed on the existing system with less disruption and maintain use of the Facility. Second; rehabilitation or replacement of particular pipelines inclusive of the manholes with deficiencies. Pipe rehabilitation will involve installing an internal liner without pipe excavation. This will be done only in pipe sections that remain viable. Those sections in the worst condition and those without sufficient slopes, will be replaced.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$2,123,652**	Project Total:	**$2,123,652**



Ref. No. Level **Funding Recommendation**

8 2 Department of Human Services

Infrastructure Upgrade, CMHIFL, Ph 2 of 3 $15,881,605

PROJECT DESCRIPTION/SCOPE OF WORK:
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 at the Colorado Mental Health Institutes at Ft. Logan (CMHIFL). 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, improved storm drainage and provided 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:

Prior Phasing: (2002-108P01)		**Future Phasing:**	
FY18/19: Ph 1 (CCF)	$8,935,147	FY22/23: Ph 3	$10,437,060
Funded To Date:	**$8,935,147**	Project Balance:	**$10,437,060**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 Capital Construction Fund (CCF	**$15,881,605**	Project Total:	**$35,253,812**

Ref. No. Level **Funding Recommendation**

9 2 Department of Corrections

Food Service Renovations, SCF, Ph 1 of 1 — $40,405,039

PROJECT DESCRIPTION/SCOPE OF WORK:

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

The 31,440 sf kitchen is heavily used to serve over 2.8 million meals annually which, over its twenty-two-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 will completely remodel the kitchen space and replace the 52,000 sf 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 will be refurbished, and a new sanitary sewer waste line installed. Electrical panels will be upgraded, and new efficient lighting will be installed. Overall, when complete, this project will 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:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$40,405,039**	Project Total:	**$40,405,039**

Ref. No. Level **Funding Recommendation**

10 2 Department of Corrections

Facility Utility Water Lines Replacement, AVCF, Ph 1 of 1 — $8,662,249

PROJECT DESCRIPTION/SCOPE OF WORK:

This request is to address failing hot water heating and domestic water lines at the Arkansas Valley Correctional Facility (AVCF). 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 have resulted in damage to walls and ceilings. Significant water loss occurs when the leak is underground. During repairs, the entire system must be shut down which disrupts operations and poses additional security concerns.

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

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$8,662,249**	Project Total:	**$8,662,249**

Ref. No. Level **Funding Recommendation**

11 2 Department of Corrections

Security Control System Replacement, AVCF, Ph 1 of 1 $3,352,313

PROJECT DESCRIPTION/SCOPE OF WORK:
This request will 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 32 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, intercom system, uninterruptible power source and 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:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$3,352,313**	Project Total:	**$3,352,313**

Ref. No. Level **Funding Recommendation**

12 2 Department of Corrections

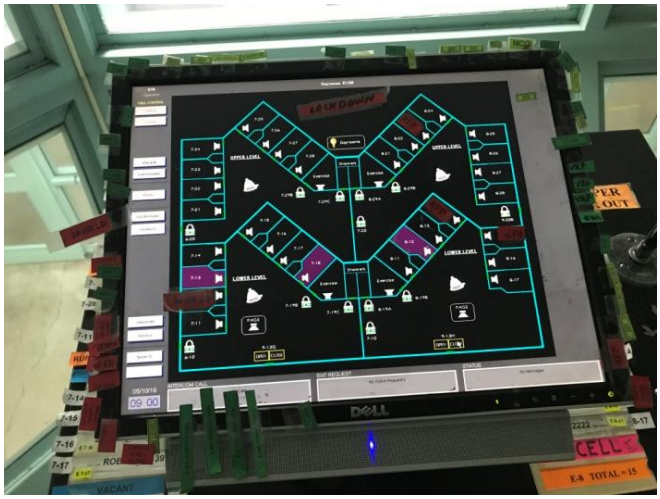
Security Control System Replacement, CSP, Ph 1 of 1 $4,349,111

PROJECT DESCRIPTION/SCOPE OF WORK:
This 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 project will 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:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$4,349,111**	Project Total:	**$4,349,111**



Ref. No. Level **Funding Recommendation**

13 3 Department of Corrections

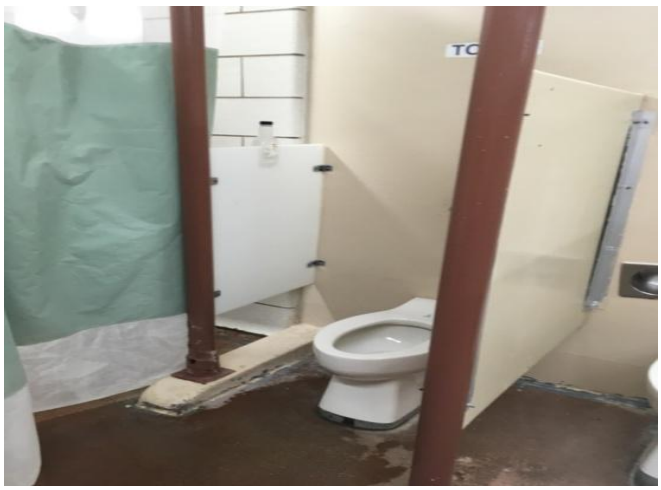
Shower and Toilet Room Improvements, AVCF, Ph 1 of 1 $11,278,808

PROJECT DESCRIPTION/SCOPE OF WORK:
This request will upgrade the Arkansas Valley Correctional Facility (AVCF) plumbing fixtures within Cellhouse Units 1-4 (COOR-0910) and Cellhouse Units 5-6 (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 Level 3 facility; the ratio of fixture to offender does not meet the 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 will be replaced and brought up to American Disability Act (ADA) standards as part of this project.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$11,278,808**	Project Total:	**$11,278,808**



Ref. No. Level **Funding Recommendation**

14 3 Department of Corrections

Electrical Distribution Infrastructure Replacement, ECCPC, Ph 1 of 1 — $13,337,706

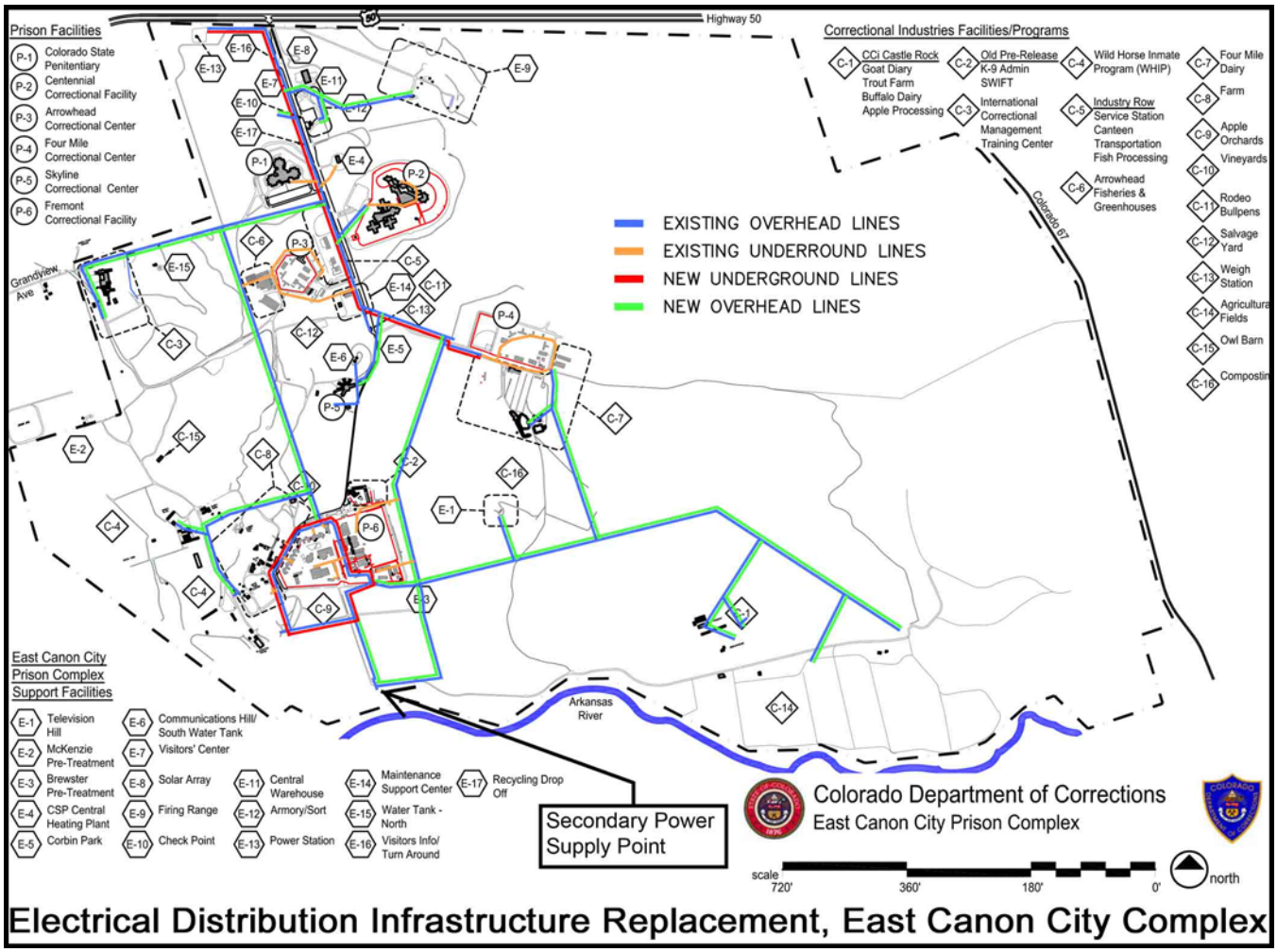
PROJECT DESCRIPTION/SCOPE OF WORK:

This request is for the renovation of the existing electrical infrastructure and systems at East Canon City Prison Complex (ECCPC) in Canon City, Colorado. This request is being submitted as a one-phase project due to the scope being too large to break into smaller phases under the required budget amount for a Controlled Maintenance project. In addition, each phase will not be able to stand on its' own as an individual project as required for a Controlled Maintenance project.

This project will replace the entirety of the electrical infrastructure for the whole complex and all programs will be impacted. This will include all facility functions that include offender housing, offender programs and jobs, food service and laundry, clinical services, recreation, security, administration, and support services.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$13,337,706**	Project Total:	**$13,337,706**



Ref. No. Level **Funding Recommendation**

15 3 Department of Corrections

Support Building Roof Replacement, DWCF, Ph 1 of 1 $2,026,199

PROJECT DESCRIPTION/SCOPE OF WORK:
This request is for the replacement of the roof of the support building at the Denver Women's Correctional Facility (DWCF). This project was previously submitted as a Controlled Maintenance project, but due to inflation, the costs have increased, and the project now meets the Capital Renewal requirements.

As this project will replace the entirety of the roof of the Support building, a few of the major necessary programs will be impacted. This will include all facility functions that include: offender programs – education and job training and food service and laundry, and support services.

Support facilities refer to basic physical plant infrastructure, including water, heat, electricity, sewage treatment, and building maintenance systems.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 Capital Construction Fund (CCF)	**$2,026,199**	Project Total:	**$2,026,199**

C. STATE AGENCIES: CAPITAL CONSTRUCTION PROJECT REQUEST LIST AND DESCRIPTIONS

The table below lists recommendations for Capital Construction (CC) project requests for the current fiscal year based on the Office of the State Architect's (OSA) annual review process. Capital Construction is program driven needs arising out of an agency or institutions needs to create, expand, relocate or alter a program due to growth, advances in technology or changes in methods or program delivery. The projects are listed by reference number, project title, and dollar amount. The OSA process includes an annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each 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.

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

The Office of the State Architect prepares the list based on criteria developed in coordination with the Department of Higher Education and the Governor's Office of State Planning and Budgeting. 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 five year maintenance plans.

The table below lists the 2 Capital Construction recommended projects. The total of the General Fund current year project requests is **$1,614,750.** The total of Federal Funds current year project request is $**1,844,250.** The total of out year project cost for General Funds is **$6,052,250** and for Federal Funds is **$22,551,750**.

Ref No.	Agency Project Title, Phase	Prior Funding	Current - Year Project Request		Out - Year Project Balance		Total Project Cost
			CCF	FF/Other	CCF	FF/Other	
1	Department of Military and Veterans Affairs **Field Artillery Readiness Center, Ph 1 of 3**	$0	$614,750	$1,844,250	$6,052,250	$22,551,750	$31,063,000
2	Department of Corrections **Take TWO (Transitional Work Opportunity) Expansion, Buena Vista Correctional Facility (BVCF), Ph 1 of 1**	$0	$1,000,000	$0	$0	$0	$1,000,000
	CAPITAL CONSTRUCTION RECOMMENDED TOTAL	**$0**	**$1,614,750**	**$1,844,250**	**$6,052,250**	**$22,551,750**	**$32,063,000**

Ref. No **Funding Recommendation**

1 Department of Military and Veterans Affairs

Field Artillery Readiness Center, Ph 1 of 3 — $614,750

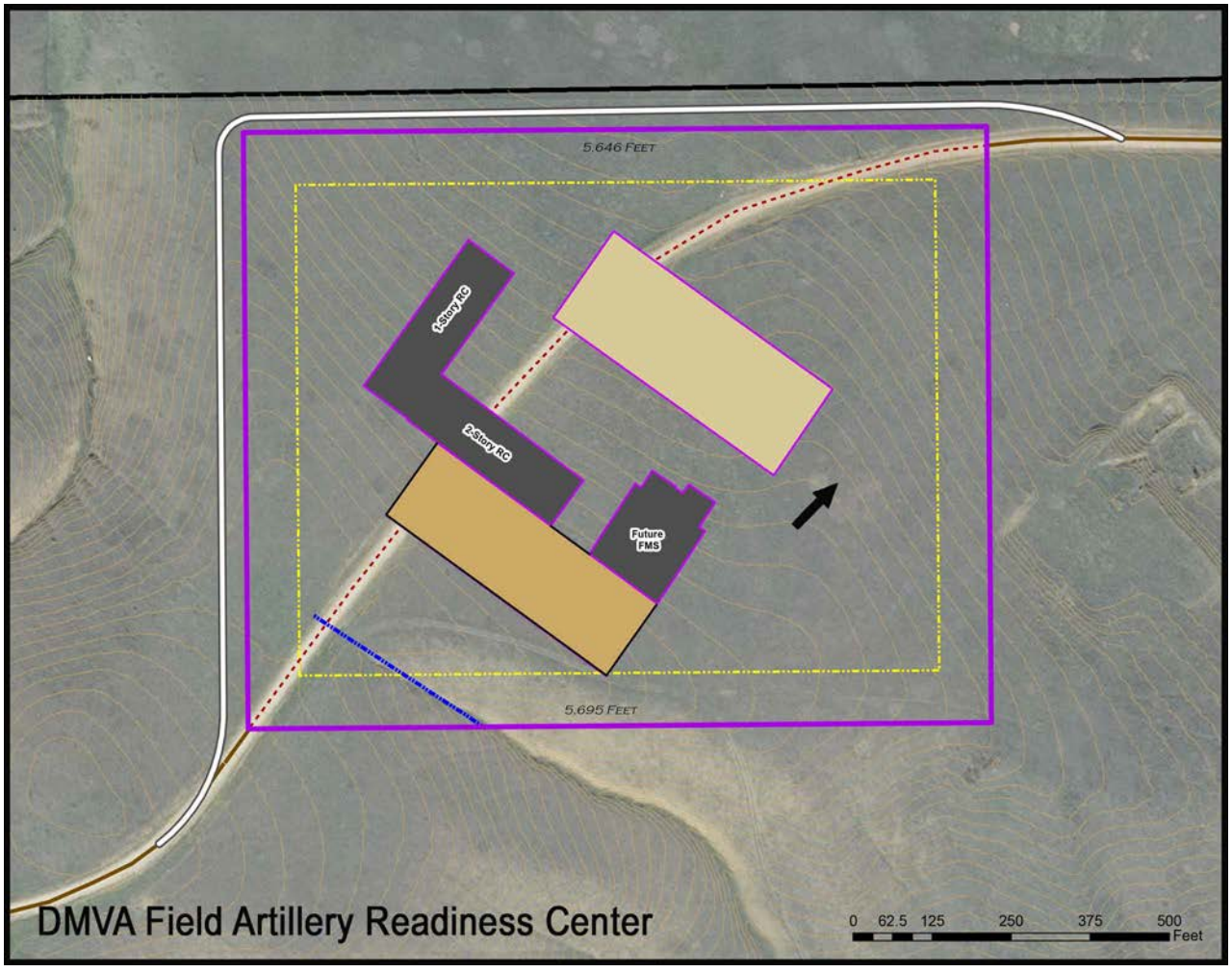
PROJECT DESCRIPTION/SCOPE OF WORK:

This Capital Construction request is for the design and construction of a 75,332 square foot Army National Guard Readiness Center, to be located in Jefferson County. The facility will accommodate the 157th Field Artillery Unit and a Headquarters Battery. In addition, this facility will replace the existing facilities in Longmont and Colorado Springs. Department of Military and Veterans Affairs (DMVA) plans on using the real estate proceeds from the Boulder Readiness Center sale for the land acquisition as previously approved. The requested amount of State General Funds (CCF) is $614,750 for the phase 1 design and $6,052,250 for the phase 2 construction. For a total of $6,667,000 in State funds. The Federal Funds (FF) for phase 1 is $1,844,750 and for phase 2 is $20,694,750 for a total of $24,396,000 in FF for the new Readiness Center. The total cost of the project, General Funds and Federal Funds is $31,063,000. A Facility Program Plan (FPP) will be prepared that utilizes existing Federal planning and programming criteria.

Phase 1 is for the design of the new facility. Phase 2 is for the construction. Phase 3 (which only requires FF) is for the furnishings and equipment (F & E).

PROJECT FUNDING:

Prior Phasing:	**CCF**	**FF**	**Future Phasing:**	**CCF**	**FF**
			FY23/24: Ph 2 - Construction	$6,052,250	$20,641,750
			FY25/26: Ph 3 - F & E	$0	$1,910,000
Funded to Date:	**$0**	**$0**	Project Balance:	**$6,052,250**	**$22,551,750**
Current Phase:			**All Phases:**		
FY21/22: Ph 1 - Design	**$614,750**	**$1,844,250**	Project Total:	**$6,667,000**	**$24,396,000**



Ref. No **Funding Recommendation**

2 Department of Corrections

Take TWO (Transitional Work Opportunity) Expansion, BVCC, Ph 1 of 1 $1,000,000

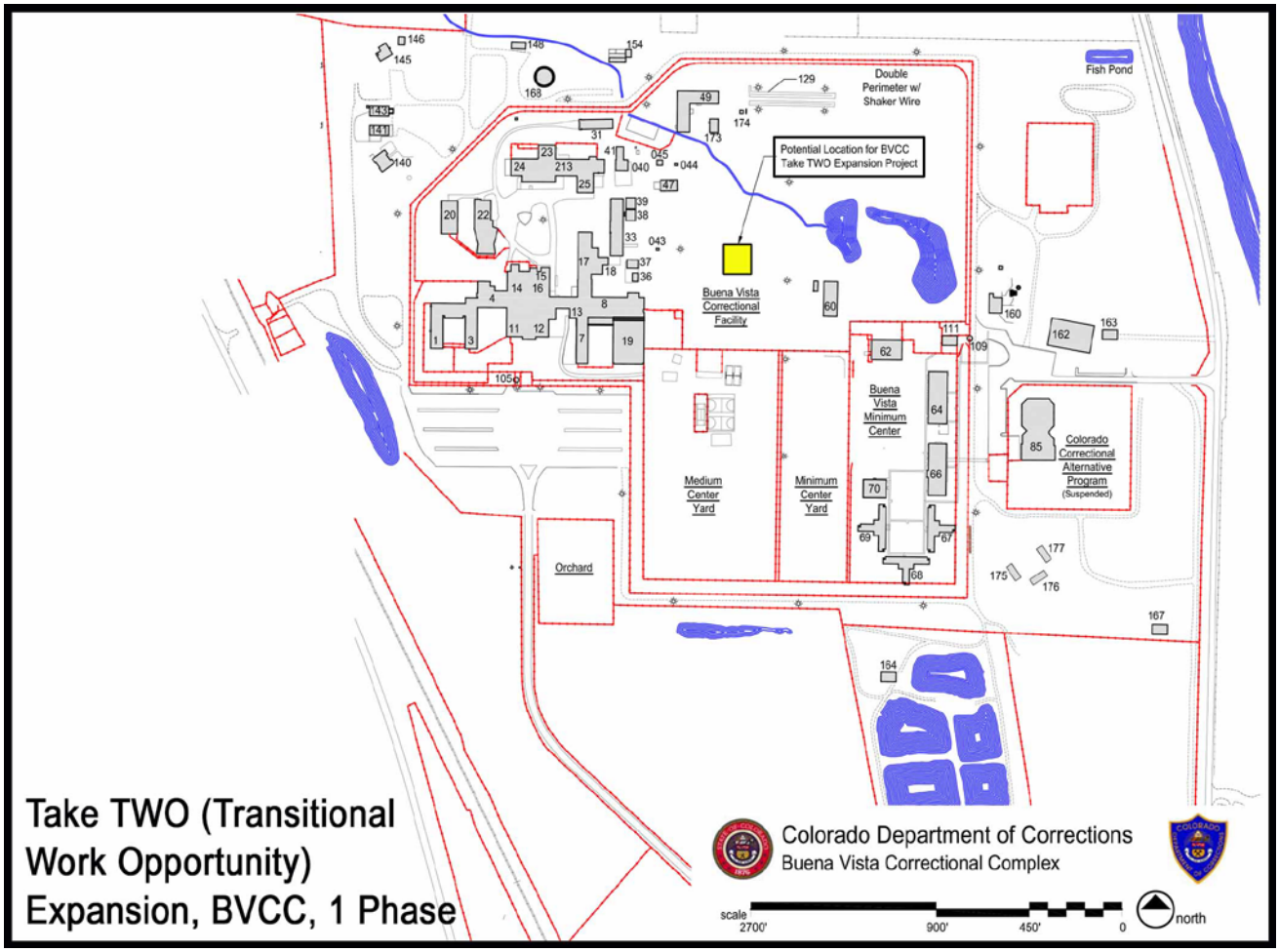
PROJECT DESCRIPTION/SCOPE OF WORK:

This Capital Construction request is for design and construction of a 10,000 square foot metal building for the Take TWO (Transitional Work Opportunity) program at the Buena Vista Correctional Complex (BVCC). The building will be designed to accommodate up to four manufacturing/production companies. These businesses will employ inmates primarily from the medium security population for their workforce. The Department began the Take TWO program in FY 2019-20 that is designed to encourage normalcy and progression. The inmates in the program work for employers in the local community, providing them with an opportunity to obtain job skills and earn prevailing wages while still incarcerated. These employment opportunities benefit participants by allowing them to acquire monetary savings in order to secure housing and other needs upon release, as well as teaching valuable job skills that can transfer to gainful employment post-incarceration.

This project will include a central core of shared mechanical, storage, office, restroom and janitorial space with consideration for flexibility in the layout and construction of tenant finish improvements required for specific manufacturing/production areas in the future. Any manufacturing/production furniture, equipment and construction improvements beyond the building shell will be provided by and the financial responsibility of the businesses. A time extension was provided by OSA for a facility program plan (FPP) to be provided during the design phase.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded To Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,000,000**	Project Total:	**$1,000,000**



D. STATE AGENCIES: ACQUISITION / DISPOSITION REQUEST LIST AND DESCRIPTIONS

The table below lists the Acquisition/Disposition (A/D) requests for the current fiscal year based on the Office of the State Architect's (OSA) annual review process. The total current-year value of the A/D requests is unknown due to a number of variables in the real estate market and for dispositions, the cost to make the properties available for disposal. The projects are listed by reference number and project title. The process includes an annual site visit to each state agency to initiate the verification of the projects followed by the review of the submitted documentation for each request. This list of state agency A/D requests 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.

On the following pages is the individual project descriptions for the recommended projects. The descriptions provide a brief scope narrative of each recommended A/D request and the corresponding name of the state department and the building or site. The reference number (**Ref. No.**) at the top left corner of each description page corresponds to the reference number listed for each project request in the list of requests.

The table below lists 4 disposition requests and 1 acquisition request.

Ref No.	Agency **Title**
1	Department of Human Services **Disposition - 434 29 Road, Grand Junction and 262 South Bayfield, Pueblo West**
2	Department of Military and Veterans Affairs **Land Acquisition - Grand Junction Veterans Cemetery and Readiness Center**
3	Department of Education, Colorado School for the Deaf and Blind **Vacant Land Disposition - 4025 CR788 Cripple Creek**
4	Department of Education, Colorado School for the Deaf and Blind **Vacant Land Disposition - 5955 Lehman Drive, Colorado Springs**
5	Department of Education, Colorado School for the Deaf and Blind **Vacant Land Disposition – Bell Flower Drive, Colorado Springs**

Ref. No

1 Department of Human Services

Real Property Dispositions, Grand Junction and Pueblo West

PROJECT DESCRIPTION/SCOPE OF WORK:
The purpose of this request is for approval to dispose of the listed vacant group homes at 434 29 Road, Grand Junction and 262 South Bayfield, Pueblo West.

The Department manages a total of 33 eight bed capacity homes and nine-six bed capacity homes in Wheat Ridge, Pueblo, and Grand Junction that provide for a total capacity of 318-licensed beds for residents. Currently, five, eight bed capacity homes are offline, leaving a total capacity of 278 beds available in the online homes. As of June 30, 2020, the census at the three Regional Centers was 237 residents. The average census has fluctuated from a low of 237 to a high of 266 over the past five years. The Department has enough capacity using the online homes and no longer needs the offline homes. If the Department were to sell two offline homes, it would still have enough capacity to service their clients. Therefore, these homes are no longer needed to support the residents.

The Department requests authority to sell two off-line homes that contain excess capacity that is no longer needed to provide services to the intellectually and developmentally disabled (IDD) residents in the Department's care. The Department estimates these sales could generate up to $400,000-$700,000 for other State needs. The specific properties that the Department could sell are both eight-bed capacity homes and are located:

- 29 Road Home, 434 29 Road, Grand Junction, CO 81504, vacant since May 22, 2014.
- Bayfield Home, 262 South Bayfield, Pueblo West, CO 81007, vacant since October 25, 2016.

Ref. No

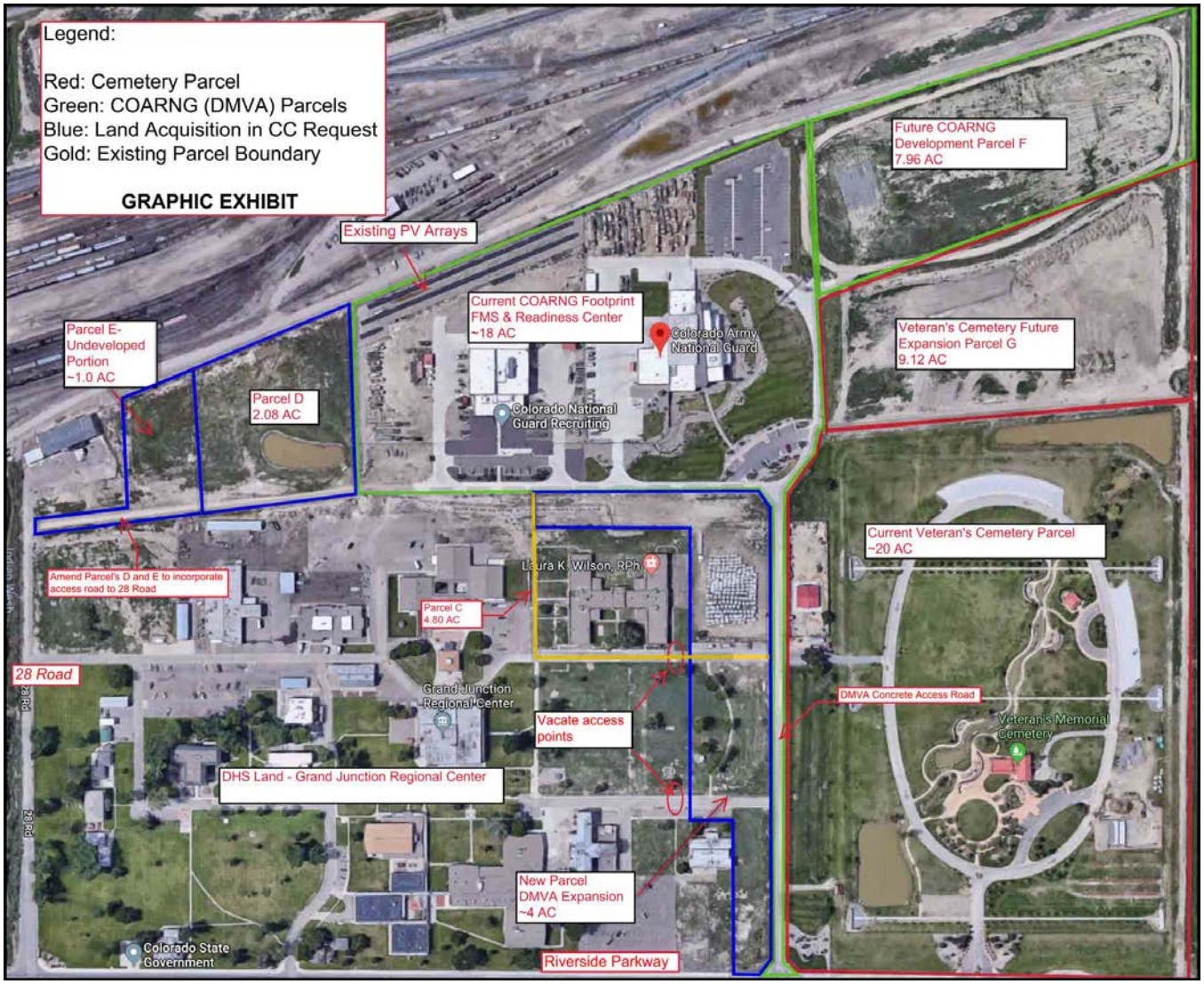
2 Department of Military and Veterans Affairs

Land Acquisition, Grand Junction Veterans Cemetery and Readiness Center

PROJECT DESCRIPTION/SCOPE OF WORK:

This request is for the zero-dollar ($0) acquisition of approximately 7.1 acres of land from the Department of Human Services (DHS) on three parcels at the Grand Junction Regional Center (GJRC). The acquisition includes a 4-acre strip of land for future VA Cemetery expansion and Readiness Center parking, and two parcels located west of the Army National Guard Maintenance Shop. Parcel D is a 2.1-acre tract containing the irrigation pond that provides irrigation water to the Maintenance Shop FMS #3), Readiness Center (RC) and DHS Regional Center. The 1-acre undeveloped portion on Parcel E (warehouse building) and gravel access road is also part of this acquisition. The partial Parcel E may be used for installation of future photovoltaic (PV) panels. Parcels D and E were both Quit Claimed from DMVA to DHS in 2008. The deeds are recorded with Mesa County.

An ALTA Land Title Survey, dated March 2019, was referenced for parcel boundaries and existing utility locations.



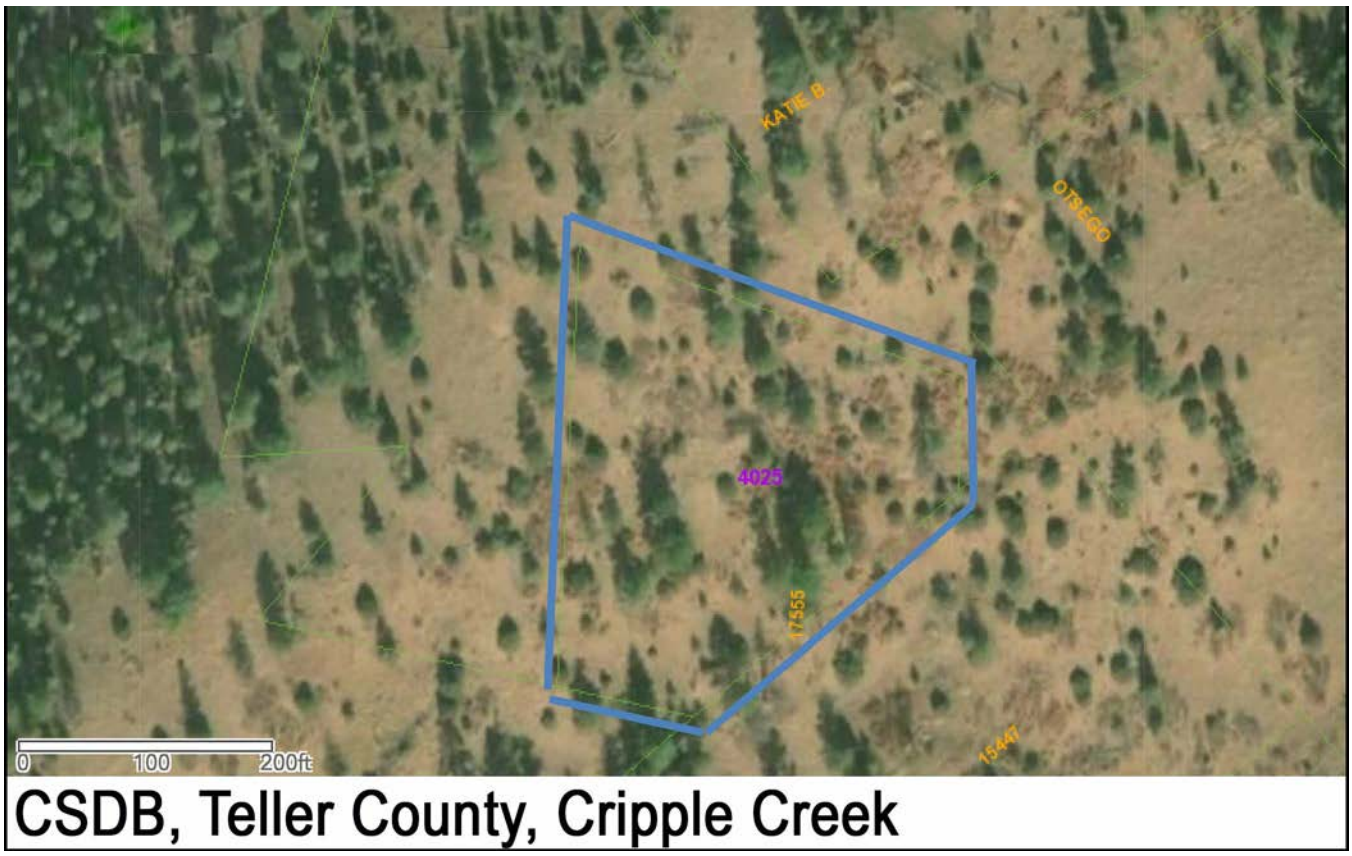
Ref. No

3 Colorado School for the Deaf and Blind

Vacant Land Disposition, Cripple Creek

PROJECT DESCRIPTION/SCOPE OF WORK:

This property, 4025 CR788, in Teller County (parcel # 10175.55030010) was donated to the Colorado School for the Deaf and Blind (CSDB) in 2007. This property has a county assessed value of $19,300. It is a landlocked 10.8 acre parcel with no access via developed roadway and limited access via undeveloped logging/mining road or from an adjacent property. The lack of access would limit the value of this parcel. Disposition may require expenditures for surveys and title work. CSDB would like to dispose of this property as it is removed from the CSDB campus proper and poses a liability of ownership.



Ref. No

4 Colorado School for the Deaf and Blind

Vacant Land Disposition, 5955 Lehman Drive, Colorado Springs

PROJECT DESCRIPTION/SCOPE OF WORK:

5955 Lehman Drive (El Paso County parcel #63163-05-024) was donated to Colorado School for the Deaf and Blind (CSDB) in 2007. El Paso county has appraised the property value at $113,517. Disposition may require expenditures for surveys and title work. The lot has a lifetime parking easement granted to and for the use of the commercial adjacent properties. CSDB pays a sewer fee to the city for this parcel. Owning this property costs CSDB in basic ownership liability and in having to pay an annual sewer fee. CSDB would like to dispose of this property as it is not located at the CSDB campus proper; is not buildable or usable for other than the purpose of parking to which lifetime use has been granted via easement to the adjacent properties; poses basic liability of ownership and costs CSDB money to own.

CSDB, 5955 Lehman Drive, Colorado Springs

Ref. No

5 Colorado School for the Deaf and Blind

Vacant Land Dispositions, Bell Flower Drive, Colorado Springs

PROJECT DESCRIPTION/SCOPE OF WORK:

This property along Bell Flower Drive, (El Paso County parcel # 63163-05-024) was donated to Colorado School for the Deaf and Blind (CSDB) in 2007. Per a memorandum from the Office of the Attorney General, dated 10/31/07, this property is designated as open space for the adjacent Homeowners Association. This memo also indicates that the HOA is to maintain the property but it has not, which has cost CSDB approximately $1000 annually for upkeep.

The lot is a long narrow lot on a steeply sloped bank with an assessed value of $19,500. Disposition may require expenditures for surveys and title work. CSDB would like to dispose of this property as it is not located at the CSDB campus proper; is not buildable if deemed open space for the adjacent HOA, and poses basic liability of ownership.

CSDB, Bell Flower Drive, Colorado Springs

E. STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION: FUNDING RECOMMENDATIONS

On the following pages is a list of current fiscal year recommendations for the Controlled Maintenance project request based on the Office of the State Architect's (OSA) annual review process. The projects are listed by reference number, project title, and dollar amount. The process begins with an annual site visit 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. This is followed by the review of the submitted documentation for each request. This list of 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.

Following the list of recommendations are the project description pages for the requested projects. The descriptions provide a brief scope narrative of each project request and the corresponding name of the state department, the building or site, funding history and current funding request. The reference number (**Ref. No**.) at the top left corner of each description page corresponds to the reference number listed for each project request in the list of recommendations. The Office of the State Architect prepares the list based on criteria developed in coordination with the Department of Higher Education and the Governor's Office of State Planning and Budgeting. 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, incorporation of deferred maintenance and sustainability.

The chart below summarizes by priority level, quantity and dollar amount the **$106,291,668** of current-year project requests and also lists for further consideration an additional **$65,224,942** of associated out-year project request balances by project phase, for a total of **$171,516,610**.

Priority	Quantity		Current-year project requests/Out-year project phases	$ Amount	
Level 1*	34		Current-year project requests	$29,621,963	
		11	Out-year project phases		$19,478.802
Level 2**	55		Current-year project requests	$57,448,846	
		20	Out-year project phases		$36,606,106
Level 3***	24		Current-year project requests	$19,220,859	
		6	Out-year project phases		$9,139,584

*__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 that predominantly contain differing levels of building or infrastructure *deterioration*.

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.

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
LEVEL 1						
1	1	Department of Personnel & Administration - Office of the State Architect **Emergency Fund**		**$3,000,000**	$0	$3,000,000
2	2	Colorado Mesa University **Replace Boiler, Maverick Center, Ph 1 of 1**		**$121,275**	$0	$3,121,275
3	3	Colorado State University **Sprinkler Installation, Danforth Chapel, Ph 2 of 2**	2019-039M18	**$124,194**	$0	$3,245,469
4	3	University of Colorado Boulder **Upgrade Elevators, Duane and Ramaley Buildings, Ph 1 of 1**		**$911,169**	$0	$4,156,638
5	4	Colorado School of Mines **Install Emergency Responder Radio Amplification, Campus, Ph 1 of 1**		**$619,985**	$0	$4,776,623
6	5	Colorado State University **Separate Domestic and Industrial Plumbing Systems, Plant Sciences Building, Ph 1 of 1**		**$514,553**	$0	$5,291,176
7	5	Department of Human Services **Refurbish HVAC Systems, B Building, CMHIFL, Ph 2 of 2**	2019-053M19	**$986,078**	$0	$6,277,254
8	6	Department of Military and Veterans Affairs **Fire Alarm Replacement, Code and Security Upgrades, BAFB Building 1500, Ph 1 of 1**		**$169,773**	$0	$6,447,027
9	6	Colorado State University - Pueblo **Replacement/Upgrade of Building Fire Alarm Equipment, Campus, Ph 1 of 3**		**$1,193,814**	$2,375,405	$7,640,841
10	6	Red Rocks Community College **Refurbish West Wing Elevator, Lakewood Campus, Ph 1 of 1**		**$299,731**	$0	$7,940,572
11	6	Colorado School of Mines **Repair Campus Elevator, Five Buildings Repairs, Ph 1 of 2**		**$434,833**	$581,915	$8,375,405
12	6	Department of Corrections **Improve Accessibility, FCF, Ph 2 of 5**	2020-086M19	**$1,891,058**	$5,253,794	$10,266,463
13	6	Department of Education - Colorado School for the Deaf and Blind **Install Fire Sprinklers, Upgrade HVAC and ADA, Hubert Work Gymnasium, Ph 1 of 3**		**$1,559,927**	$3,264,960	$11,826,390
14	6	Adams State University **Upgrade/Replace Key/Security and Safety, Campus, Ph 1 of 2**		**$1,294,152**	$807,155	$13,120,542
15	6	Colorado Northwestern Community College **Upgrade and Repair Campus Access Control and Camera System, Ph 1 of 1**		**$511,148**	$0	$13,631,690
16	6	Department of Public Health and Environment **Replace Emergency Generator, Argo Water Treatment Facility, Ph 1 of 1**		**$321,974**	$0	$13,953,664
17	6	Pikes Peak Community College **Electrical Infrastructure Improvement and Emergency Generator, Downtown Studio, Ph 1 of 1**		**$1,326,331**	$0	$15,279,995

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
18	8	Department of Military and Veterans Affairs **Site Flood Mitigation, Building Envelope Repairs, Watkins Readiness Center, Ph 3 of 3**	2017-037M16	**$192,540**	$0	$15,472,535
19	8	Auraria Higher Education Center **Provide ADA walkways, Curtis and Champa Streets and Classroom Courtyard, Ph 1 of 2**		**$1,117,216**	$648,648	$16,589,751
20	8	Colorado State University **Roof Replacement, Centennial Hall, Ph 1 of 1**		**$484,382**	$0	$17,074,133
21	8	University of Colorado Colorado Springs **Replace VAV and Upgrade Controls, Engineering Building, Ph 1 of 1**		**$1,999,350**	$0	$19,073,483
22	8	Department of Personnel & Administration - Division of Capital Assets **Upgrade/Replace HVAC Systems, 690 and 700 Kipling Buildings, Ph 1 of 2**		**$1,503,051**	$1,217,161	$20,576,534
23	10	Colorado State University **Improve ADA Accessibility, Quad Area, Main Campus, Ph 1 of 1**		**$377,862**	$0	$20,954,396
24	10	Department of Human Services **Repair/Replace HVAC and Mechanical Equipment, ZPYSC, PYSC, SCYSC, Ph 1 of 2**		**$1,575,149**	$911,656	$22,529,545
25	10	Front Range Community College **Repair/Upgrade VAV Boxes and Controls, College Hill Library, Westminster Campus, Ph 1 of 1**		**$1,305,809**	$0	$23,835,354
26	10	University of Northern Colorado **Replace Chiller, Candelaria, Ph 1 of 1**		**$902,545**	$0	$24,737,899
27	10	Department of Human Services **HVAC Replacement, PVYSC, MFYSC, Ph 1 of 2**		**$685,036**	$692,917	$25,422,935
28	10	University of Colorado Boulder **Repair Exterior Structure, Macky Auditorium, Ph 1of 3**		**$1,086,807**	$2,621,040	$26,509,742
29	10	Northeastern Junior College **Replace Roof and East Entrance Remodel, Knowles Hall, Ph 1 of 1**		**$711,500**	$0	$27,221,242
30	10	Colorado State University **Replace Roof, B Wing, Engineering Building, Ph 1of 1**		**$538,891**	$0	$27,760,133
31	10	Department of Corrections **Roof Replacement, Administration Building, CTCF, Ph 1 of 1**		**$1,058,021**	$0	$28,818,154
32	10	Trinidad State Junior College **Roof Replacement, Mullen Building, Ph 1 of 1**		**$327,306**	$0	$29,145,460
33	10	Department of Human Services **ADA Accessibility Improvements, CDHS, Ph 1 of 1**		**$188,278**	$0	$29,333,738
34	10	University of Colorado Colorado Springs **Refurbish Campus Elevators, Seven Buildings, Ph 1 of 3**		**$288,225**	$1,104,151	$29,621,963
		Level 1	**Totals:**	**$29,621,963**	$19,478,802	

Cumulative Current-Year Project Requests:$29,621,963
Cumulative Out-Year Project Balances: $19,478,802

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
LEVEL 2						
35	12	Auraria Higher Education Center **Replace Fire Sprinkler System, North Classroom Building, Ph 1 of 1**		**$1,074,241**	$0	$30,696,204
36	12	University of Colorado Boulder **Replace Fire Alarm Control Panel, EC Civil and Classroom Buildings, Ph 1 of 1**		**$616,404**	$0	$31,312,608
37	12	Colorado State University **Replacement Domestic Water Line, East Drive, Ph 1 of 1**		**$504,134**	$0	$31,816,742
38	12	Colorado Mesa University **Upgrade HVAC and Control Systems, Lowell Heiny Hall, Ph 2 of 2**	2019-084M19	**$1,142,932**	$0	$32,959,674
39	12	Department of Personnel & Administration - Camp George West **Water and Fire Line Replacement, Camp George West, Ph 1 of 2**		**$1,799,255**	$1,599,320	$34,758,929
40	12	Office of the Governor - Office of Information Technology **Replace Microwave Towers, Group F, Ph 1 of 1**		**$1,315,802**	$0	$36,074,731
41	12	Arapahoe Community College **Replace HVAC Primary Equipment, Main Building, Ph 2 of 3**	2020-078M19	**$1,912,304**	$1,339,674	$37,987,035
42	12	Department of Local Affairs - Fort Lyon **Replace Chiller, Building 5, Ph 1 of 1**		**$227,300**	$0	$38,214,335
43	12	Colorado Community College System at Lowry **Install New Boilers, Chiller, AUHs and Upgrade the Controls, Building 999, Ph 1 of 1**		**$1,093,378**	$0	$39,307,713
44	12	Red Rocks Community College **Replace Coil and Supply Fan, West End RTU, Main Building, Lakewood Campus, Ph 1 of 1**		**$844,310**	$0	$40,152,023
45	12	University of Northern Colorado **Replace Chiller, Michener, Ph 1 of 1**		**$922,705**	$0	$41,074,728
46	12	Colorado State University - Pueblo **Refurbish Elevators, Upgrade ADA Compliance, Four Buildings, Ph 1 of 1**		**$890,193**	$0	$41,964,921
47	12	Department of Personnel & Administration - Division of Capital Assets **Replace Plumbing and Abate Asbestos, Centennial Building, Ph 1 of 2**		**$1,440,849**	$1,396,017	$43,405,770
48	12	Department of Education - Colorado Talking Book Library **Improve Site Drainage and Safety, Talking Book Library, Ph 1 of 1**		**$529,744**	$0	$43,935,514
49	12	Colorado Northwestern Community College **Replace Roof, Windows, Blakeslee and Allesbrooke Buildings, Rangely Campus, Ph 1 of 1**		**$717,475**	$0	$44,652,989
50	12	Community College of Aurora **Roof Replacement, Administration Building, Ph 1of 1**		**$572,934**	$0	$45,225,923
51	12	Front Range Community College **Replace Harmony Library Roof, Larimer Campus, Ph 1 of 1**		**$482,662**	$0	$45,708,585

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
52	12	History Colorado **Replace Roofs, Santa Fe Trail Museum and Baca House, Ph 1 of 1**		**$223,919**	$0	$45,932,504
53	14	Department of Military and Veterans Affairs **Site Security Lighting Upgrade, Montrose and Chestnut Readiness Centers, Ph 1 of 1**		**$162,040**	$0	$46,094,544
54	14	Colorado School of Mines **Replacement of Hazardous Laboratory Exhaust Fans, Campus, Ph 1 of 3**		**$496,873**	$2,211,657	$46,591,417
55	14	University of Colorado Boulder **Install Rooftop Fall Protection, Muenzinger, Porter and Imig Buildings, Ph 1 of 1**		**$1,032,016**	$0	$47,623,433
56	14	Department of Personnel & Administration - 1881 Pierce **Restroom Modernization, 1881 Pierce Street, Ph 1 of 1**		**$1,182,928**	$0	$48,806,361
57	14	Lamar Community College **Campus Accessibility Compliance, Ph 1 of 1**		**$682,500**	$0	$49,488,861
58	14	University of Colorado Denver **Improve Heating System, Building 500, Ph 2 of 5**	2019-073M19	**$821,737**	$2,548,513	$50,310,598
59	14	Front Range Community College **Replace RTU's, College Hill Library, Westminster Campus, Ph 1 of 1**		**$1,196,612**	$0	$51,507,210
60	14	University of Colorado Denver **Replace Chiller, Fitzsimons Building, Ph 1 of 2**		**$1,122,100**	$1,651,467	$52,629,310
61	14	Colorado State University **Repair C Basin Sanitary Sewer Outfall, Ph 1 of 1**		**$517,012**	$0	$53,146,322
62	14	Pueblo Community College **Replace Roof System, Fremont Campus, Ph 1 of 1**		**$828,542**	$0	$53,974,864
63	14	Department of Education - Colorado School for the Deaf and Blind **Roof Replacements, West and Argo Halls, Ph 1 of 2**		**$1,443,067**	$656,773	$55,417,931
64	14	Department of Personnel & Administration - State Capitol Building **Replace Freight Elevator, State Capitol Building, Ph 1 of 1**		**$584,212**	$0	$56,002,143
65	14	Otero Junior College **Abate Asbestos, Safety Upgrade, Humanities Center, Ph 1 of 1**		**$1,400,000**	$0	$57,402,143
66	14	Colorado Community College System at Lowry **Upgrade HVAC, Building 859, Ph 1 of 1**		**$1,191,876**	$0	$58,594,019
67	15	University of Colorado Denver **Upgrade Electrical Systems, CU Denver Building, Ph 1 of 2**		**$1,321,872**	$1,103,894	$59,915,891
68	15	Lamar Community College **Replace Roofs, Bowman, Trustees, and Wellness Center Buildings, Ph 1 of 1**		**$759,440**	$0	$60,675,331
69	16	Department of Agriculture - Colorado State Fair **Code and Safety Updates, Events Center, Ph 1 of 1**		**$1,153,056**	$0	$61,828,387
70	16	Department of Corrections **Improve Door Security, Lower North, BVCF, Ph 1 of 4**		**$1,615,288**	$4,845,864	$63,443,675

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
71	16	Colorado State University - Pueblo **Replace Campus Water Lines, Ph 2 of 3**	2020-087M19	**$924,495**	$924,495	$64,368,170
72	16	Department of Human Services **Upgrade Interiors Group Home, Ph 1 of 3**		**$1,035,555**	$1,721,283	$65,403,725
73	16	University of Colorado Colorado Springs **Replace AHU and Return Air System, Columbine Hall, Ph 1 of 1**		**$646,048**	$0	$66,049,773
74	16	Western Colorado University **Upgrade HVAC Systems, Academic Buildings, Ph 1 of 1**		**$884,785**	$0	$66,934,558
75	16	Colorado Mesa University **Upgrade HVAC, BAS, and Security Systems, Wubben and Health Sciences, Ph 1 of 2**		**$182,435**	$151,833	$67,116,993
76	16	Department of Corrections **Improve Door Security, Cellhouse 3, CTCF, Ph 1 of 1**		**$1,645,295**	$0	$68,762,288
77	16	Morgan Community College **Replace Campus Irrigation System, Ph 1 of 1**		**$1,238,903**	$0	$70,001,191
78	18	Fort Lewis College **Replace Fire Alarm Equipment, Multiple Buildings, Ph 1 of 2**		**$1,477,247**	$1,318,971	$71,478,438
79	18	Department of Human Services **Refurbish Ash Conveyor System, Heat Plant, CMHIP, Ph 1 of 2**		**$1,860,384**	$1,860,794	$73,338,822
80	18	Auraria Higher Education Center **Replace Main Electrical Switchgear, Campus, Ph 1 of 1**		**$1,263,359**	$0	$74,602,181
81	18	Adams State University **Repair Electrical Distribution, Campus, Ph 1 of 3**		**$1,635,526**	$1,973,445	$76,237,707
82	18	Colorado State University **Refurbish Water Wells, Pumps, Ditches, ARDEC, Ph 1 of 1**		**$1,090,497**	$0	$77,328,204
83	18	Department of Human Services **Replace Roofs, Five Buildings, CMHIFL, Ph 1 of 3**		**$1,812,524**	$2,611,263	$79,140,728
84	18	Auraria Higher Education Center **Replace Transformers at North Chiller and PE Events Center, Ph 1 of 2**		**$253,880**	$518,943	$79,394,608
85	20	Department of Human Services **Refurbish Secondary and Emergency Electrical Systems, Tier 1, CMHIP, Ph 1 of 3**		**$1,791,932**	$3,579,969	$81,186,540
86	20	Colorado Community College System at Lowry **Upgrade HVAC System, Building 905, Ph 1 of 1**		**$1,994,717**	$0	$83,181,257
87	20	Department of Human Services **Replace Hydronic Valves, Southern District, Ph 1 of 2**		**$930,303**	$1,138,929	$84,111,560
88	20	Front Range Community College **Replace HVAC System and Controls, Challenger Point, Larimer Campus, Ph 1 of 1**		**$1,164,328**	$0	$85,275,888

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
89	20	Department of Human Services **Repair/Replace Sewer and Steam Producers, CMHIFL, Ph 1 of 3**		**$1,788,923**	$3,453,002	$87,070,809
		Level 2	**Totals:**	**$57,448,846**	$36,606,106	

Cumulative Current-Year Project Requests: $87,070,809

Cumulative Out-Year Project Balances: $56,084,908

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
LEVEL 3						
90	21	Department of Corrections **Roof Replacement, Program and Support Buildings, TCF, Ph 1 of 1**		**$1,817,067**	$0	$88,887,876
91	21	Fort Lewis College **Replace Roof, Aquatic Center, Ph 1 of 1**		**$988,299**	$0	$89,876,175
92	21	University of Colorado Colorado Springs **Replace Roof, Columbine Hall, Ph 1 of 2**		**$943,666**	$375,547	$90,819,841
93	21	Department of Human Services **Repair/Replace Roofs, 13 buildings at MVYSC, Ph 1 of 3**		**$1,778,495**	$3,111,767	$92,598,336
94	24	Trinidad State Junior College **Install Card Access and Update Door Hardware, Ph 1 of 1**		**$173,484**	$0	$92,771,820
95	24	Pikes Peak Community College **Electrical Infrastructure Improvement, Rampart Range Campus, Ph 1 of 1**		**$1,071,446**	$0	$93,843,266
96	24	Lamar Community College **Replace Pumps, Controls, Valves, Campus Irrigation System, Ph 1 of 1**		**$375,000**	$0	$94,218,266
97	24	University of Northern Colorado **Replace Roof, Arts Annex, Ross, and Skinner, Ph 1 of 1**		**$329,087**	$0	$94,547,353
98	24	Department of Corrections **Replace Roof, Minimum Living Unit, SCF, Ph 1 of 2**		**$1,013,343**	$1,161,435	$95,560,696
99	24	Colorado Community College System at Lowry **Install New Windows and Doors, Building 905, Ph 1 of 1**		**$922,358**	$0	$96,483,054
100	27	Department of Human Services **Replace Gym Floors, DYS, Ph 1 of 2**		**$1,026,342**	$1,107,076	$97,509,396
101	28	Colorado School of Mines **Remediate Campus Fall Hazard, Ph 3 of 3**	2019-037M18	**$518,211**	$0	$98,027,607
102	28	Department of Human Services **Security Cameras and Infrastructure, CMHIP, Ph 1 of 2**		**$1,016,050**	$1,443,875	$99,043,657
103	28	Department of Human Services **Domestic Hot Water System Upgrade, GMYSC, Ph 1 of 1**		**$227,634**	$0	$99,271,291
104	30	Department of Public Safety **Hazardous Materials Assessment, All Locations, Ph 1 of 1**		**$766,996**	$0	$100,038,287
105	30	Colorado State University **Upgrade Campus Exterior Lighting, Ph 1 of 1**		**$580,152**	$0	$100,618,439
106	36	History Colorado **Paint High Bridge, Georgetown Mining and Railroad Park, Ph 1 of 1**		**$694,361**	$0	$101,312,800
107	36	Colorado Mesa University **Replace Roof, WCCC Building A, Ph 1 of 1**		**$509,563**	$0	$101,822,363

Ref No.	Level	Agency **Project Title, Phase**	Project M#	**CURRENT- YEAR Project Recommendations**	OUT-YEAR Project Balance	Cumulative Total of Projects
108	36	Colorado State University - Pueblo **Repair Roofs, Physical, Heat Plant, and Music Buildings, Ph 1 of 1**		**$1,209,913**	$0	$103,032,276
109	45	Colorado Mesa University **Replace Lighting Control, Houston Hall, Ph 1 of 1**		**$125,089**	$0	$103,157,365
110	45	Front Range Community College **Replace Roof, Main Building, Westminster Campus, Ph 1 of 3**		**$1,908,277**	$1,939,884	$105,065,642
111	48	Colorado Mesa University **Replace Roof, Wubben/Science Building, Ph 1 of 1**		**$350,594**	$0	$105,416,236
112	54	Front Range Community College **Replace Roof, Challenger Point, Larimer Campus, Ph 1 of 1**		**$232,161**	$0	$105,648,397
113	56	Colorado Mesa University **Improve Building Envelope, AEC and Wubben/Science Buildings, Ph 1 of 1**		**$643,271**	$0	$106,291,668
		Level 3	**Totals:**	**$19,220,859**	$9,139,584	

Cumulative Current-Year Project Requests: **$106,291,668**

Cumulative Out-Year Project Balances: **$65,224,942**

Grand Total of Current-Year Project Request and Out-Year Project Balance: **$171,516,160**

Ref. No. Score **Funding Recommendation**

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

Emergency Fund $3,000,000

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 - E). 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. As a result of historical demand, the Office of the State Architect proposes $3,000,000 for the Emergency Fund in FY2021/22.

PROJECT FUNDING:

Fiscal Year	CM Approx.	EM Approx. (2)	# of Projects	EM Fund (3)	CM Transfers (4)	Total Expend.
FY10/11	$10.4 M	$2,000,000	59	$3,031,745	$766,288	$3,798,033
FY11/12	$31.1 M	$2,000,000	46	$2,043,114	$853,900	$2,897,014
FY12/13	$45.0 M	$2,000,000	41	$2,183,577	$66,295	$2,249,872
FY13/14	$47.2 M	$2,000,000	48	$2,321,745	$615,003	$2,936,748
FY14/15	$19.2 M	$2,000,000	47	$1,871,188	$974,385	$2,845,573
FY15/16	$26.1 M	$2,000,000	29	$2,525,735	$561,407	$3,087,141
FY16/17	$24.1 M	$2,000,000	28	$1,264,322	$408,075	$1,672,397
FY17/18	$30.8 M	$3,000,000	43	$2,269,410	$364,222	$2,633,632
FY18/19	$19.2 M	$2,000,000	29	$2,130,714	$0	$2,130,714
FY19/20	$54.6 M	$2,110,216	35	$1,383,280	$318,298	$91,701,578
FY20/21 (1)	$36.1 M	$2,043,778	6	$160,244	$0	$160,244
Totals		**$23,153,984**	**411**	**$21,185,074**	**$4,927,873**	**$26,112,946**

(1) Dollars for FY 2020/2021 represent only a five-month time frame (7/01/2020 - 11/30/2020) 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 and institution of higher education, controlled maintenance projects to supplement the Emergency Fund for specific emergency projects.

Ref. No. Score **Funding Recommendation**

2 2 Colorado Mesa University

Replace Boiler, Maverick Center, Ph 1 of 1 $121,275

PROJECT DESCRIPTION / SCOPE OF WORK:
The Maverick Center (CMU #215) houses the health sciences and kinesiology programs. The building was constructed in 1969. Because of the age on the boilers, one recently failed and was replaced through the OSA Emergency Controlled Maintenance program.

This project will replace two additional boilers to have adequate heat for the entire building.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$121,275**	Project Total:	**$121,275**

Ref. No. Score **Funding Recommendation**

3 3 Colorado State University

Sprinkler Installation, Danforth Chapel, Ph 2 of 2 — $124,194

PROJECT DESCRIPTION / SCOPE OF WORK:

The Danforth Chapel (CSU #3227) is not sprinklered. The building was built in 1954 and is constructed of light wood frame, stone, glass, and concrete. The non-denominational gathering place features copper doors, stained glass, walnut pews, and many other unique features. It is a favorite spot of students, faculty and community members and host numerous campus events. The doors remain open during the day to allow for spontaneous use by the campus community. A fire in this building would cause loss of use of the facility, and loss of an important historically significant structure. Only 24 "Danforth Chapels" were built in the US: 15 chapels on college and university campuses and nine other locations. CSU has a Memorandum of Understanding with the Poudre Fire Administration to install sprinklers in all buildings over 5,000 gross sf. In the design for the sprinkler system as part of Phase 1, it was discovered that the fire water line to the building is not adequate.

Phase 1 designed and installed the sprinkler system in a non-intrusive, aesthetically pleasing manner consistent with the historic nature of the building. Phase 2 will install a 3-inch water fire line to the building.

PROJECT FUNDING:

Prior Phasing: 2019-039M18		**Future Phasing:**	
FY18/19: Ph 1 – Installed Sprinkler System	$109,068		
Funded to Date:	**$109,068**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 – Install Water Tap	**$124,194**	Project Total:	**$233,262**

Ref. No. Score **Funding Recommendation**

4 3 University of Colorado Boulder

Upgrade Elevators, Duane and Ramaley Buildings, Ph 1 of 1 $911,169

PROJECT DESCRIPTION / SCOPE OF WORK:
The 12-story Duane Physics Building (UCB #359) and the 3-story Ramaley Biology Building (UCB #370) elevators do not meet current safety standards, including fall arrest and braking systems. The two elevators have been cited by the Colorado Department of Oil and Public Safety Conveyance Program as needing the antiquated elevator systems replaced. The two buildings were constructed in 1971 and 1952, respectively.

The project will replace all major components of the two elevator systems, resulting in current code-compliant and safely operating elevators.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$911,169**	Project Total:	**$911,169**

Ref. No. Score **Funding Recommendation**

5 4 Colorado School of Mines

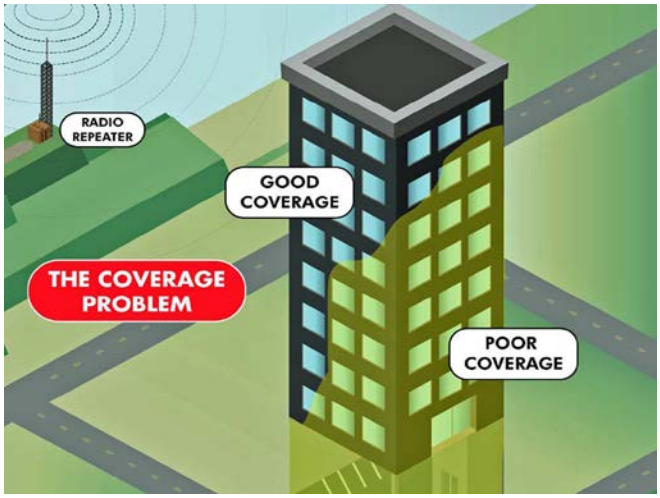
Install Emergency Responder Radio Amplification, Campus, Ph 1 of 1 $619,985

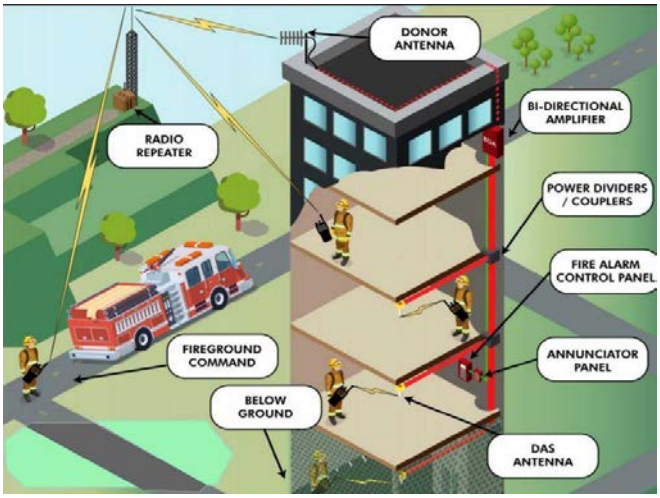
PROJECT DESCRIPTION / SCOPE OF WORK:
Emergency responders rely on 2-way radios during emergent events. Radio signals may be compromised by building components such as concrete, low-E glass windows, underground levels, or other materials impacting radio propagation. The 2018 International Fire Code requires that the signals be amplified in both new and existing buildings. The signal strength will be measured, recorded, and tested with the Golden Fire Department to demonstrate compliance with the July 1, 2022 implementation date adopted by the City of Golden.

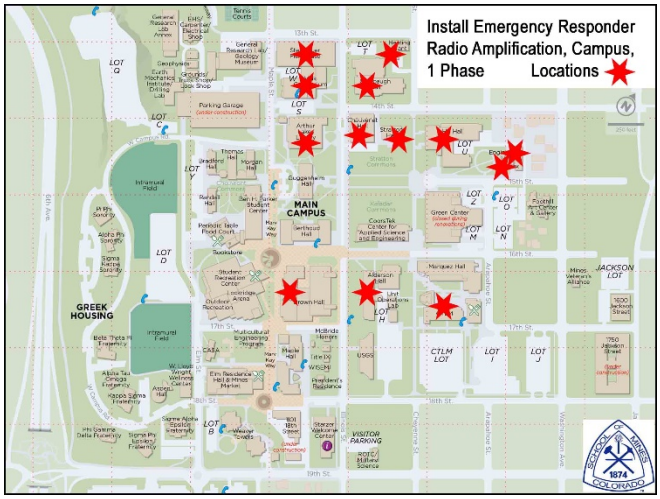
This project will provide an amplifier and distributed antenna system to 13 academic buildings to improve radio signals into and out of the buildings.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$619,985**	Project Total:	**$619,985**







Ref. No. Score **Funding Recommendation**

6 5 Colorado State University

Separate Domestic and Industrial Plumbing Systems, Plant Sciences Building, Ph 1 of 1 $514,553

PROJECT DESCRIPTION / SCOPE OF WORK:
Laboratories in the Plant Science Building (CSU #3278) were built in 1959. The use of the building has evolved over time into intensive research areas that utilize hazardous chemicals including pesticides, fertilizers, and extraction solvents. Most of the laboratories in the building now have hazardous materials notices on the doors. The hazardous nature of the laboratory operations represents a potential potable water cross-connection situation; lab sinks are often equipped with hoses clamped to the faucets thereby eliminating the air-gap protection of the water system. The school has determined that separate industrial and domestic plumbing systems are the most effective long-term risk management strategy for building water quality in lab-intensive buildings. This is combined with educational outreach and contaminant control programs through Environmental Health Services.

This project will provide a dedicated industrial water service to end use research fixtures that are not intended for human or animal consumption, separated by backflow devices from the domestic service in order to protect drinking water from potential back-siphonage or backflow from laboratories and industrial processes. This will require that the project relocates existing backflow preventers inside the building and install domestic (potable) hot, cold, and recirculating piping.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$514,553**	Project Total:	**$514,553**

Ref. No. Score **Funding Recommendation**

7 5 Department of Human Services

Refurbish HVAC Systems, B Building, CMHIFL, Ph 2 of 2 — $986,078

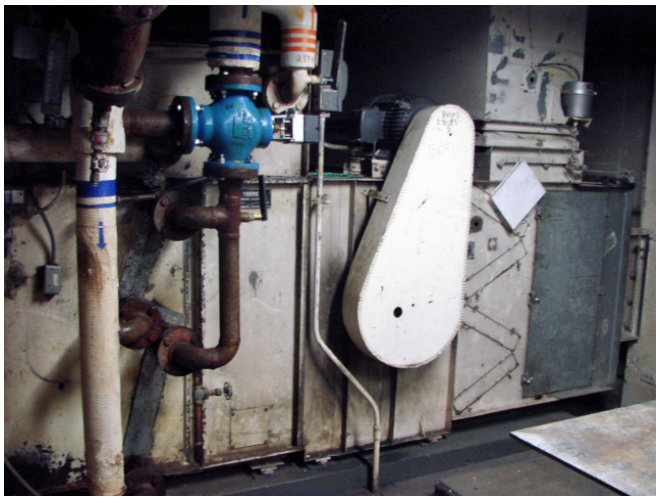
PROJECT DESCRIPTION / SCOPE OF WORK:

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 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		
Funded to Date:	**$1,291,687**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 - AHU #2	**$986,078**	Project Total:	**$2,277,765**



Ref. No. Score **Funding Recommendation**

8 6 Department of Military and Veterans Affairs

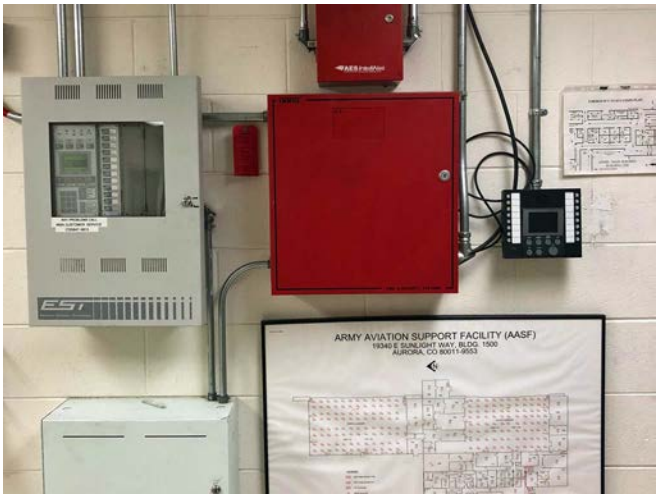
Fire Alarm Replacement, Code and Security Upgrades, BAFB Building 1500, Ph 1 of 1 $169,773

PROJECT DESCRIPTION / SCOPE OF WORK:
Building 1500 (MANG1004) is a unique facility giving the Colorado Army National Guard (COARNG) flexibility with the two large hangars, classrooms and multiple office areas. The facility has an old fire detection system and a new fire suppression system (installed 2014). The alarm system is from the original building construction. The fire notification system does not fully communicate with the Buckley Air Force Base (BAFB) Fire Department. 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 existing security fence does not comply with federal Anti-Terrorism Force Protection (ATFP) requirements per the Unified Facility Criteria (UFC). Windows are steel framed, with non-secure double pane glazing from the original construction. Site security lighting around the 'public' west side of the building is below ATFP standards. Existing wall mounted exterior light fixtures are metal halide.

A new fire alarm system will be installed throughout the building. The system will meet current codes and communicate with the fire suppression system and BAFB Fire Department. The fence and gate south of Building 1500 will be removed and reinstalled, and window glazing will be upgraded to a higher security level.

PROJECT FUNDING:

Prior Phasing:	**CCF**	**FF**	**Future Phasing:**	**CCF**	**FF**
Funded to Date:	**$0**	**$0**	Project Balance:	**$0**	**$0**
Current Phase:			**All Phases:**		
FY21/22: Ph 1	**$169,773**	**$169,773**	Project Total:	**$169,773**	**$169,773**



Ref. No. Score **Funding Recommendation**

9 6 Colorado State University - Pueblo

Replacement/Upgrade of Building Fire Alarm Equipment, Campus, Ph 1 of 3 $1,193,814

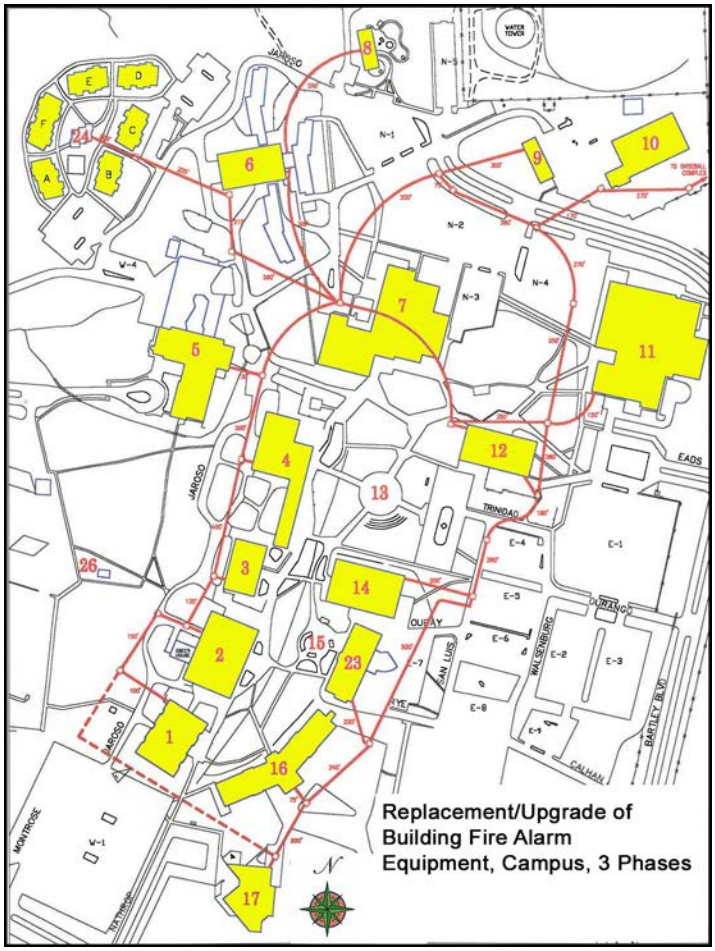
PROJECT DESCRIPTION / SCOPE OF WORK:

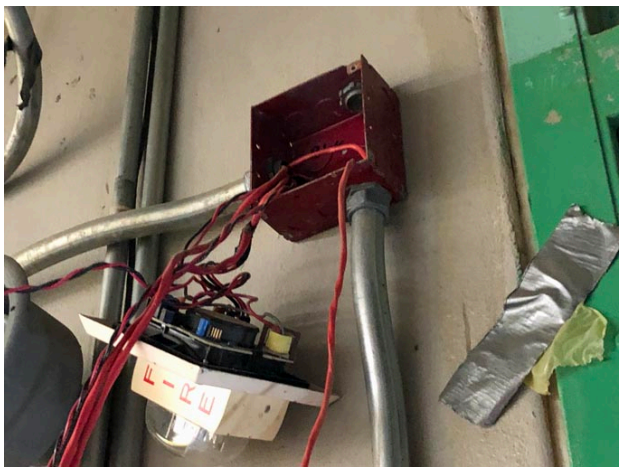
Many of CSU-P buildings are over 40 years old. The Technology building (HESC1256), built in 1981, recently experienced some fire system devices/wires failures. A CSU-P funded emergency repair project was necessary to fix the false alarms. The problem is that false alarms are caused by the failure of the old alarm device. The false alarms are caused by voltage connectivity issues. There is no effective method to identify the failing devices prior to the generation of a false alarm. With all the old devices on campus, the potential of random false alarms is increasing. False alarms are very disruptive to academic education as the building needs evacuate during an incident.

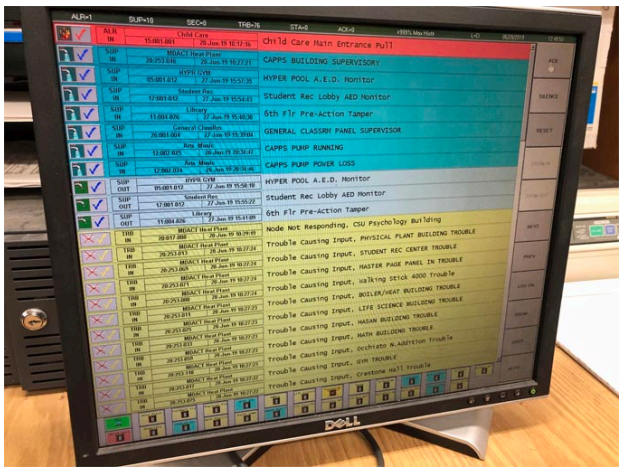
This 3-phase project will be for the replacement of all the wires, components, and devices for the purpose of a complete fire system upgrade on campus. Phase 1 will determine the most critical buildings, the main system panels that need replacing, and upgrade the most critical components. Phase 2 will 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:**	
		FY22/23: Ph 2 – Next set of Buildings	$1,260,149
		FY23/24: Ph 3 – Finish the Academic Bldgs.	$1,115,256
Funded to Date:	**$0**	Project Balance:	**$2,375,405**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Most Critical Buildings	**$1,193,814**	Project Total:	**$3,569,219**







Ref. No. Score **Funding Recommendation**

10 6 Red Rocks Community College

Refurbish West Wing Elevator, Lakewood Campus, Ph 1 of 1 $299,731

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 this elevator and new usable parts for repairs. There are numerous Americans with Disability Act (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 wheelchairs 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$299,731**	Project Total:	**$299,731**

Ref. No. Score **Funding Recommendation**

11 6 Colorado School of Mines

Repair Campus Elevator, Five Buildings Repairs, Ph 1 of 2 $434,833

PROJECT DESCRIPTION / SCOPE OF WORK:
Elevator reliability has been steadily declining over the past few years with an increase in maintenance shutdowns and entrapments. In the past 12 months the school has had 73 elevator outages and 5 entrapments in academic buildings eligible for controlled maintenance funds. This project will replace the elevator controls and refurbish or replace major components including power units, controllers, cables, door operators and the fire alarm interface.

The first phase will include Coolbaugh (CSM #CO) and Berthoud (CSM #BE) Halls. The second phase will make improvements to Alderson (CSM #AH), Green Center (CSM #GC) and Engineering Hall (CSM #EH).

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Three Buildings	$581,915
Funded to Date:	**$0**	Project Balance:	**$581,915**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Two Buildings	**$434,833**	Project Total:	**$1,016,748**

Ref. No. Score **Funding Recommendation**

12 6 Department of Corrections

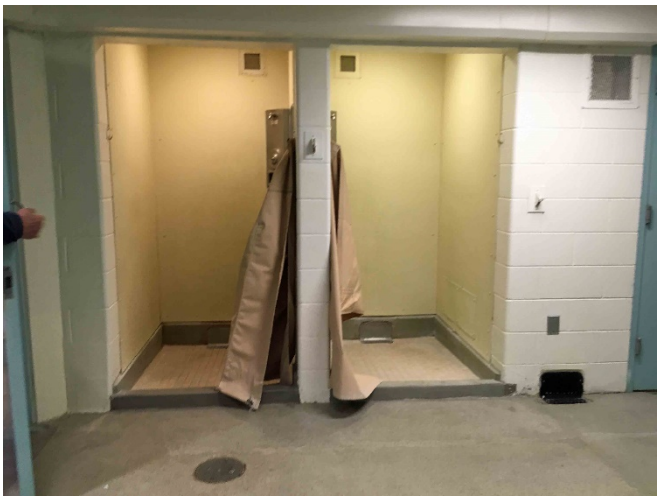
Improve Accessibility, FCF, Ph 2 of 5 $1,891,058

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 offenders entering the system with disabilities. The department currently lacks sufficient numbers of accessible beds and there have been Americans with Disabilities Act (ADA) related lawsuits against Department of Corrections (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 provided a total of 10 accessible cells in Cellhouses 1, 4, & amp; 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:

Prior Phasing: 2020-086M19		**Future Phasing:**	
FY19/20: Ph 1 - 10 Cells	$1,978,510	FY22/23: Ph 3 - 34 Cells	$1,833,303
		FY23/24: Ph 4 - 25 Cells	$1,797,652
		FY24/25: Ph 5 - 21 Cells	$1,622,839
Funded to Date:	**$1,978,510**	Project Balance:	**$5,253,794**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 - 10 Cells	**$1,891,058**	Project Total:	**$9,123,362**



Ref. No. Score **Funding Recommendation**

13 6 Department of Education - Colorado School for the Deaf and Blind

Install Fire Sprinklers, Upgrade HVAC and ADA, Hubert Work Gymnasium, Ph 1 of 3 $1,559,927

PROJECT DESCRIPTION / SCOPE OF WORK:
The Hubert Work gymnasium (EDDB2614) consists of the original buildings and 2 additions to the original 1920 construction. The 1920 portion of the building is mostly original with a recent renovation to the boys and girls locker rooms on the ground floor. The 1971 addition is now a fitness center. The building needs a fire sprinkler system, asbestos abatement (ACM), Americans with Disabilities Act (ADA) compliance, in-door air quality, and security improvements.

Phase 1 will abate/remove the existing drop ceilings and remaining pipe insulation throughout the building. The project will Install the fire sprinkler system throughout the building including a fire riser and water supply line. This will include both a wet and dry riser system as the unconditioned wood framed attic of the original structure will need a dry system for freezing conditions. The project will install modern LED fixtures. Phase 2 will abate/remove/replace existing flooring throughout the building. The non-compliant ADA restrooms will be updated. A new cooling system will be installed for the gymnasium and fitness spaces. Additional security measures in the building will be installed to separate the students from visiting individuals. Phase 3 will install an elevator in the SW corner of the original building to make accessible to the old second floor gymnasium ADA compliant. Install ADA compliant bleachers, ADA compliant drinking fountains, and updated the doors throughout with ADA compliant hardware.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Abate Floor, ADA, Security	$1,840,200
		FY23/24: Ph 3 - ADA and Elevator	$1,424,760
Funded to Date:	**$0**	Project Balance:	**$3,264,960**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Fire Sprinkler System	**$1,559,927**	Project Total:	**$4,824,887**

Ref. No. Score **Funding Recommendation**

14 6 Adams State University

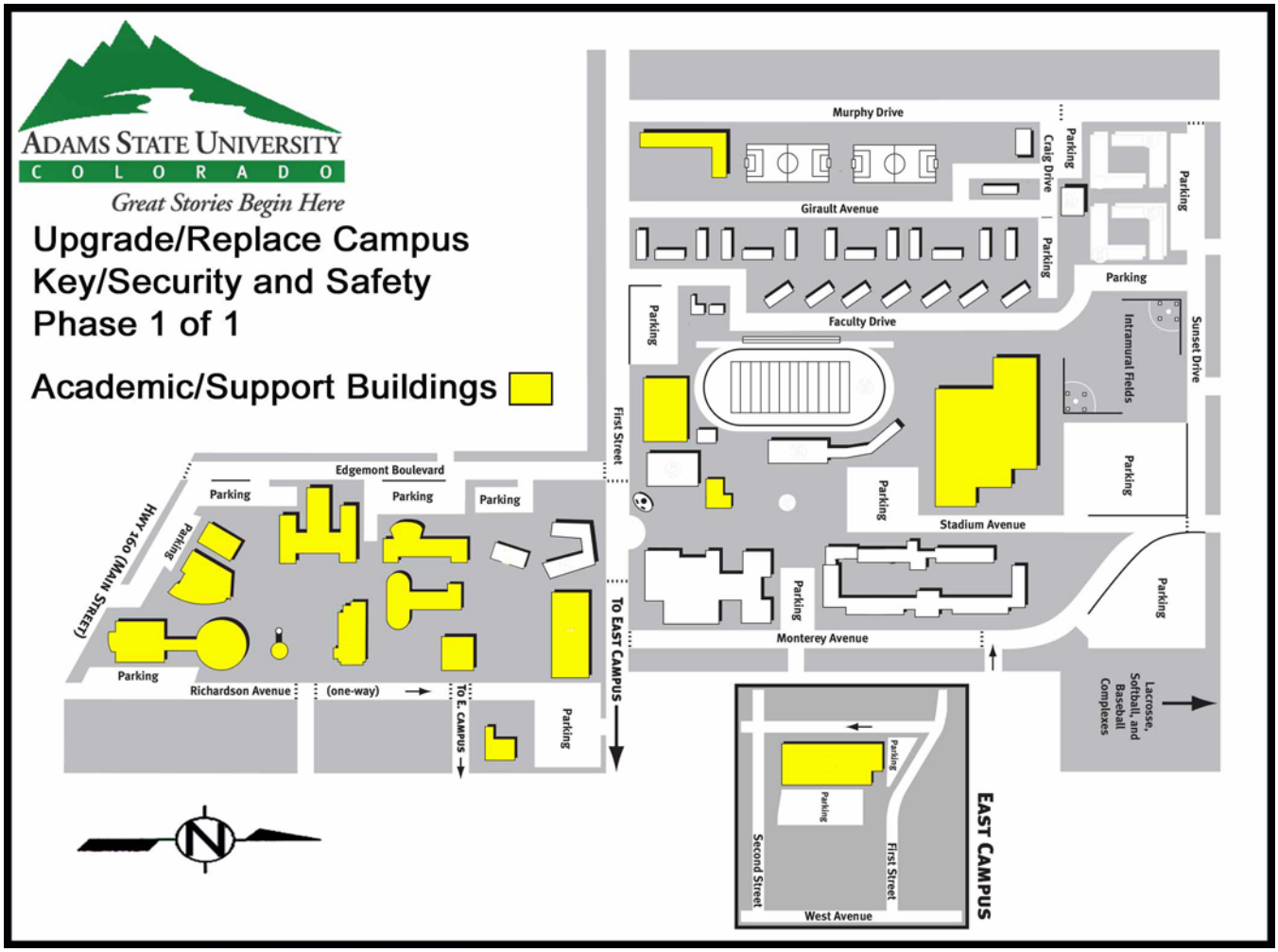
Upgrade/Replace Key/Security and Safety, Campus, Ph 1 of 2 $1,294,152

PROJECT DESCRIPTION / SCOPE OF WORK:
To increase campus wide safety for student/staff/guests and property, this project will address deficiencies in door keying, security fire safety by replacing antiquated fire panels, installing automated building access and installation of security surveillance cameras.

Phase 1 will replace fire panels located in (6) of buildings, [Business (ASU #158), Central Technologies (ASU #169), Fine Arts (ASU #155), Performing Arts (ASU #4805), Planetarium (ASU #156) and Porter Hall (ASU #7665)] upgrade (9) fire panel control modules, installation of exterior/interior electronic key access to Academic and Administration buildings as well as select hazardous material storage and student lab spaces. Phase 2 will include the installation of a campus wide video surveillance system.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Campus Video System	$807,155
Funded to Date:	**$0**	Project Balance:	**$807,155**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Six Buildings	**$1,294,152**	Project Total:	**$2,101,307**



Ref. No. Score **Funding Recommendation**

15 6 Colorado Northwestern Community College

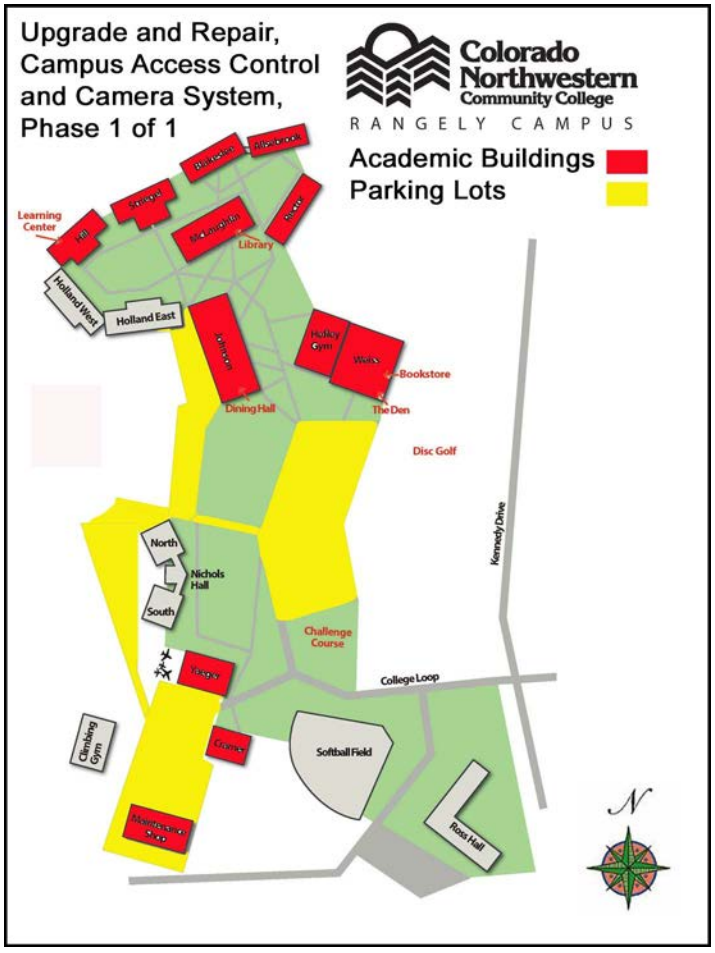
Upgrade and Repair Campus Access Control and Camera System, Ph 1 of 1 $511,148

PROJECT DESCRIPTION / SCOPE OF WORK:
The access control system for the Rangely campus was installed in 2009. The door hardware is obsolete, the software is obsolete, and doors parts are becoming increasingly difficult to purchase. Retrofitting was an option for the last few years, but retrofitted parts are becoming difficult to acquire. The existing software for the door hardware is not compatible with the door hardware necessary to protect the students, staff, and buildings. The school has only a few cameras on building entrances and parking lots.

This project will upgrade the door hardware, the door controllers, and card readers. The project will install a few new doors necessary to provide additional building security. The school will install IP cloud-based cameras for their academic buildings.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$511,148**	Project Total:	**$511,148**



Ref. No. Score **Funding Recommendation**

16 6 Department of Public Health and Environment

Replace Emergency Generator, Argo Water Treatment Facility, Ph 1 of 1 $321,974

PROJECT DESCRIPTION / SCOPE OF WORK:
The 9,300 sf Argo Water Treatment Facility (PHHW0001) treats water that emerges from historic mining operations so it can be safely released into the river. The emergency generator (EG) and automatic transfer switch (ATS) are original to plant construction circa 1997. The existing 175KW EG is insufficiently sized to support the full load of the facility. An electric panel board LP1 is shunt tripped when EG power is used, 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. An extended shutdown would result in untreated water entering Clear Creek, which would cause serious impacts to the Clear Creek fishery and drinking water sources for several downstream communities in metropolitan Denver.

This project will design, procure, and install a replacement ATS and generator of appropriate size (450KW) to support all building functions.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$321,974**	Project Total:	**$321,974**

Ref. No. Score **Funding Recommendation**

17 6 Pikes Peak Community College

Electrical Infrastructure Improvement, Downtown Studio, Ph 1 of 1 $1,326,331

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:**	
FY21/22: Ph 1	**$1,326,331**	Project Total:	**$1,326,331**

Ref. No. Score **Funding Recommendation**

18 8 Department of Military and Veterans Affairs

Site Flood Mitigation, Building Envelope Repairs, Watkins Readiness Center, Ph 3 of 3 $192,540

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 is 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. Phase 3 was originally included in the scope of project #2017-037M16, however, because of cost increases to meet the federal Anti-Terrorism Force Protection (ATFP) 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:

Prior Phasing: 2017-037M16	**CCF**	**FF**	**Future Phasing:**	**CCF**	**FF**
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:	**$938,340**	**$938,340**	Project Balance:	**$0**	**$0**
Current Phase:			**All Phases:**		
FY21/22: Ph 3 - Building Repairs	**$192,540**	**$192,540**	Project Total:	**$1,130,880**	**$1,130,880**

Ref. No. Score **Funding Recommendation**

19 8 Auraria Higher Education Center

Provide ADA walkways, Curtis and Champa Streets and Classroom Courtyard, Ph 1 of 2 $1,117,216

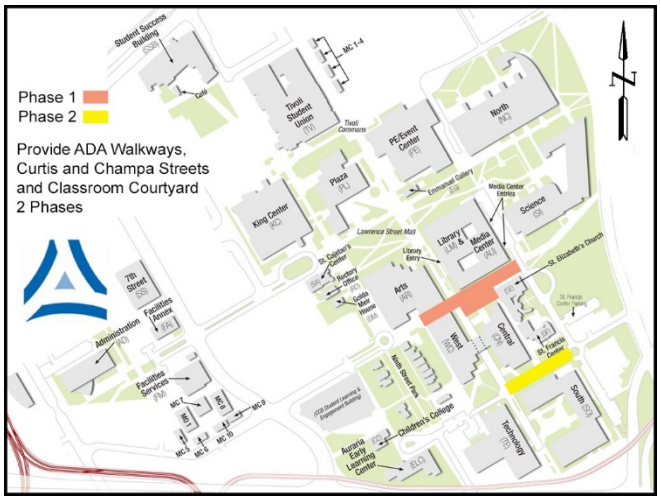
PROJECT DESCRIPTION / SCOPE OF WORK:

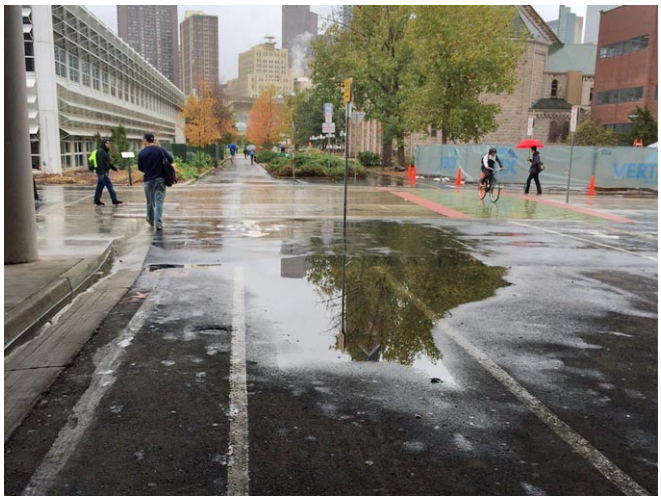
The old City of Denver asphalt roadway has been converted to pedestrian corridors. The cross slopes on the Curtis and Champa corridors are far greater than the 2 percent permitted per the Americans with Disabilities Act (ADA). This means that between Colfax and Lawrence streets there are no ADA compliant 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:**	
		FY22/23: Ph 2 – Design and Finish Work	$648,648
Funded to Date:	**$0**	Project Balance:	**$648,648**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Design and Initial Work	**$1,117,216**	Project Total:	**$1,765,864**





Ref. No. Score **Funding Recommendation**

20 8 Colorado State University

Roof Replacement, Centennial Hall, Ph 1 of 1 $484,382

PROJECT DESCRIPTION / SCOPE OF WORK:
Centennial Hall (CSU #3255) was built in 1950 and there are no records of the last roof replacement. The roof has had numerous leaks dating back to 2008 and at least 2 projects to repair interior damage due to the roof leaking. Admission, Financial Aid and Registrar staff have had to vacate their workspace until repairs were made. The roof is constructed of modified bitumen that is very worn, with many tar patches at seams and around drains. About 50% of the roof has had a rolled roof coating applied to help stop leakage into the building, with limited success. The roof is beyond useful life and has numerous issues (leaks, deteriorated roof drains, etc.) that cannot be resolved through continual patching.

This project will remove the existing roof to concrete deck. The new roof will be a white roof with additional insulation to meet current code. The new roof will incorporate tapered insulation to improve water drainage.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$484,382**	Project Total:	**$484,382**

Ref. No. Score **Funding Recommendation**

21 8 University of Colorado Colorado Springs

Replace VAV and Upgrade Controls, Engineering Building, Ph 1 of 1 $1,999,350

PROJECT DESCRIPTION / SCOPE OF WORK:
The 74,109 GSF Engineering and Applied Sciences Building (UCCS #90014) is one of the most heavily used academic buildings on campus. While the typical lifecycle of a major HVAC components is 20 years, the HVAC system is 35 years old and failing.

This project will remove VAV terminal units, reheat valves and associated piping appurtenances, replacing with new electronic controlled fan-powered boxes with high-efficiency electronically communicated (EC) motors and new 2-row heating coils. Additional work will include removal and replacement of ceilings, hot water system drain down, cleaning, hot water coil reconnection with new piping appurtenances, flexible duct connectors, ductwork patch / seal, etc. and the existing pneumatic temperature controls will be upgraded to the University's standard DDC system.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,999,350**	Project Total:	**$1,999,350**

Ref. No. Score **Funding Recommendation**

22 8 Department of Personnel & Administration - Division of Capital Assets

Upgrade/Replace HVAC Systems, 690 and 700 Kipling Buildings, Ph 1 of 2 $1,503,051

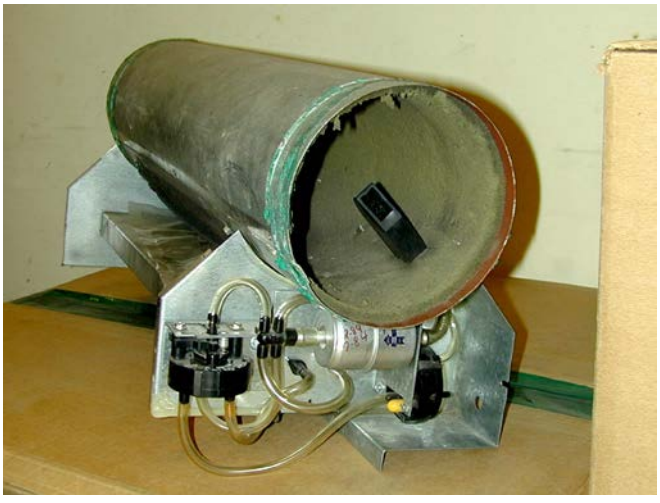
PROJECT DESCRIPTION / SCOPE OF WORK:

The HVAC system at 690 Kipling (GSCB0149) and 700 Kipling (GSCB6066) is comprised of central air handlers with fan powered VAV boxes that feed the perimeter offices and Moduline linear slot VAV diffusers that cool the central open office spaces. The existing VAV units are 33 years old. The Moduline 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 are continually finding inoperable parts due to wear and are forced to set dampers at a fixed point making them non-responsive to space temperature demands. The Modulines are controlled locally based on duct static pressure are not connected to building's automated control (BAS) system.

This project will replace the fan powered VAV's units, the Moduline VAV's units, and install 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 for occupancy comfort, off-hour operations, and be more energy efficient. Phase 1 is 690 Kipling. Phase 2 is 700 Kipling.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - 700 Kipling	$1,217,161
Funded to Date:	**$0**	Project Balance:	**$1,217,161**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - 690 Kipling	**$1,503,051**	Project Total:	**$2,720,212**



Ref. No. Score **Funding Recommendation**

23 10 Colorado State University

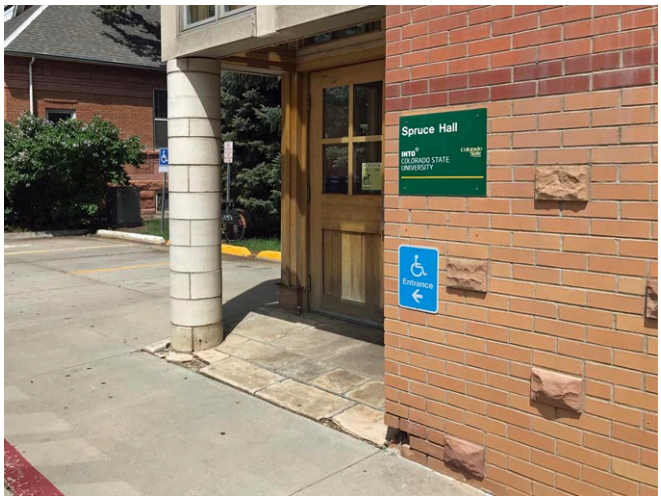
Improve ADA Accessibility, Main Campus, Ph 1 of 1 $377,862

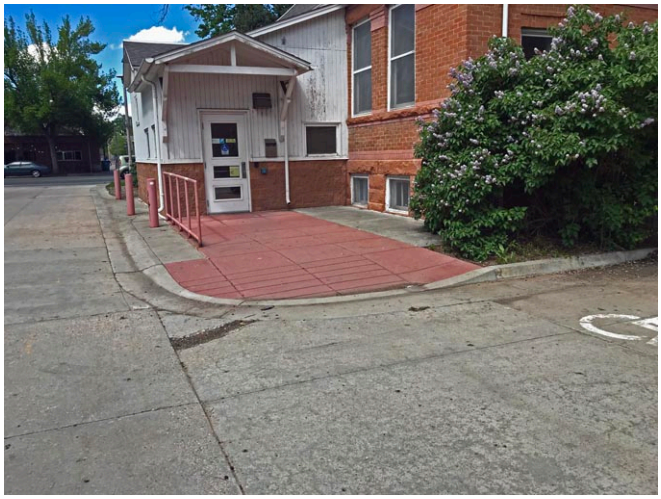
PROJECT DESCRIPTION / SCOPE OF WORK:
The Resources for Disabled Students staff recently completed a report that indicated multiple locations on CSU's main campus with identified Americans with Disabilities Act (ADA) accessibility issues. The deficiencies range from missing or deficient sidewalks to curb cut ramps. Ammons (CSU #3226) and Spruce Halls (CSU #3238) 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$377,862**	Project Total:	**$377,862**





Ref. No. Score **Funding Recommendation**

24 10 Department of Human Services

Repair/Replace HVAC and Mechanical Equipment, ZPYSC, PYSC, SCYSC, Ph 1 of 2 $1,575,149

PROJECT DESCRIPTION / SCOPE OF WORK:
The DHS youth services center houses individuals under the age of 18 for rehabilitative purposes. Mechanical equipment in both Zebulon Pike (ZPYSC) and Pueblo Youth Service Centers (PYSC) are 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:**	
		FY22/23: Ph 2 - SCYSC	$911,656
Funded to Date:	**$0**	Project Balance:	**$911,656**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - ZPYSC and PYSC	**$1,575,149**	Project Total:	**$2,486,805**

Ref. No. Score **Funding Recommendation**

25 10 Front Range Community College

Repair/Upgrade VAV Boxes and Controls, College Hill Library, Westminster Campus, Ph 1 of 1 $1,305,809

PROJECT DESCRIPTION / SCOPE OF WORK:

The Westminster Campus College Hill Library (HEFR0754) is nearly 80,000 sf and the building's 23-year-old HVAC systems are at end of life given the library's seven day a week operation. The building needs to replace over 120 Variable Air Volume (VAV) boxes and update the controls. The Library's HVAC system utilizes software that is no longer supported by the vendor and heating and cooling cannot be effectively controlled by the building automation system. Approximately half of the VAV boxes have been manually adjusted due to the failing controls of the damper and hot water valve actuators. The manual adjustments are above occupied space, requiring disruption of occupants as maintenance staff try to adjust temperature and air flow to space.

The project will replace 100 variable air volume (VAV) terminal boxes with hot water coils. Additionally, the project will replace existing fan powered terminal boxes with hot water coils. The controls will upgrade existing VAV controls to DDC and demo existing pneumatic controls. The project will modify and rebalance the duct system. To minimize the disruption on the occupants, it is imperative that the project be completed in one phase. A different project focuses on the replacement of the AHU components. The City of Westminster (CoW) is providing 40% of the total project cost ($870,540) as this is a shared facility with the city. Total project cost is $2,176,349.

PROJECT FUNDING:

Prior Phasing:	**CCF**	**CoW**	**Future Phasing:**	**CCF**	**CoW**
Funded to Date:	**$0**	**$0**	Project Balance:	**$0**	**$0**
Current Phase:			**All Phases:**		
FY21/22: Ph 1	**$1,305,809**	**$870,540**	Project Total:	**$1,305,809**	**$870,540**

Ref. No. Score **Funding Recommendation**

26 10 University of Northern Colorado

Replace Chiller, Candelaria, Ph 1 of 1 — $902,545

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, and erosion of the steel on the headers and pump failures.

This project will replace the chiller with an electric chiller thereby providing more energy efficiency and will incorporate current chiller and control technology.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$902,545**	Project Total:	**$902,545**

Ref. No. Score **Funding Recommendation**

27 10 Department of Human Services

HVAC Replacement, PVYSC, MWFYSC, Ph 1 of 2 $685,036

PROJECT DESCRIPTION / SCOPE OF WORK:
Both the Platte Valley Youth Services Center (PVYSC) (HSYS8160) and The Marvin W. Foote Youth Services Center (MWFYSC) (HSYS8159) facilities have similar footprints and were built on the DYS design prototype in the 1990s. The HVAC equipment for these buildings is original and past its expected life. The equipment is located on the ground and some condenser coils have experienced failure because of the weather events. In 2017 a compressor was replaced on a chiller. During this event there was no cooling being provided and the building occupants were extremely uncomfortable. DFM continues to repair and replace the condenser fan motors, recirculation pump and coil assemblies to name a few of the components. The individual components can only be replaced a finite number of times before the entire unit needs to be replaced.

Phase 1 includes a ground-mounted 150-ton chiller, piping, pumps and pipe insulation at PVYSC (pictured below). Phase 2 is for a ground mounted 150-ton chiller, piping, pumps, and pipe insulation at MWFYSC

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - MWFYSC	$692,917
Funded to Date:	**$0**	Project Balance:	**$692,917**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - PVYSC	**$685,036**	Project Total:	**$1,377,953**

Ref. No. Score **Funding Recommendation**

28 10 University of Colorado Boulder

Repair Exterior Structure, Macky Auditorium, Ph 1 of 3 — $1,086,807

PROJECT DESCRIPTION / SCOPE OF WORK:

The Building envelope of Macky Auditorium (UCB #243) has areas of significant water damage issues, causing immediate life-safety concerns in the emergency exit bridges, area wells, and perimeter parapets. As a stop-gap measure, CU reinforced guard rails and closed the majority of emergency exits to the public. While these measures are code compliant, a permanent solution is required to address the structural, safety, and accessibility issues for the emergency exit bridges.

Phase 1 will include full design, upper parapet walls restoration and capstone repairs, flashing, tuckpointing, and waterproofing. Phase 2 includes the emergency exit bridge replacement, area well restoration, repairs on the east side of the structure and create positive perimeter grade drainage. This phase will also install compliant guard railing, handrails, and accessible pathways to and from the building exits. Additional perimeter wall tuckpointing will be completed to address water infiltration. Phase 3 will address the same issues as Phase 2 on the west side of the building.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – E. Emergency Exit & Walls	$1,320,701
		FY23/24: Ph 3 – W. Emergency Exit & Walls	$1,300,339
Funded to Date:	**$0**	Project Balance:	**$2,621,040**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Design and Parapet Walls	**$1,086,807**	Project Total:	**$3,707,847**

Ref. No. Score **Funding Recommendation**

29 10 Northeastern Junior College

Replace Roof and East Entrance Remodel, Knowles Hall, Ph 1 of 1 $711,500

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 the building 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 glassed 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 access to the roof does not meet code as it is in a stairwell and inside a drop ceiling.

The project will replace/upgrade the roof and install, install a new exterior roof access ladder, and expand the fire alarm system to include the library.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$711,500**	Project Total:	**$711,500**

Ref. No. Score **Funding Recommendation**

30 10 Colorado State University

Replace Roof, B Wing, Engineering Building, Ph 1 of 1 $538,891

PROJECT DESCRIPTION / SCOPE OF WORK:
The Engineering Building (CSU #3217) was built in 1957. The B-wing roof consists of insulated modified bitumen roof membrane with granule surfacing. The roof is at least 20 years old and has repeatedly failed and has been repaired as noticed by the multiple patches. In addition, the roof does not have proper drainage due to low areas and damaged insulation. The HVAC roof curbs must be raised to meet current code requirements. The B-wing houses engineering classrooms and laboratories with high value engineering research projects and extremely expensive research equipment. Roof leaks have damaged laboratory equipment in the past. Continued deterioration will result in loss of use and relocation of classrooms and research until repairs can be made.

This project will remove the existing roof to concrete deck. The new roof will be a white roof with additional insulation to meet current code. The new roof will incorporate tapered insulation to improve water drainage.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$538,891**	Project Total:	**$538,891**

Ref. No. Score **Funding Recommendation**

31 10 Department of Corrections

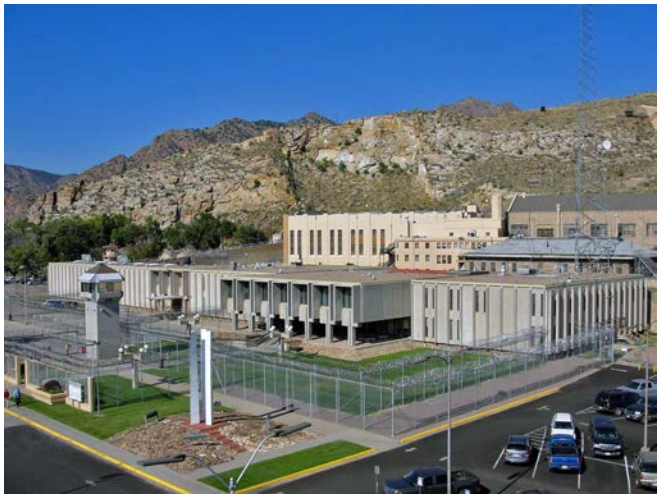
Roof Replacement, Administration Building, CTCF, Ph 1 of 1 $1,058,021

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 roofs are now very deteriorated. 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 a new shingle roof system, replace damaged decking, and the lining of the built-in gutter with a membrane roofing system.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,058,021**	Project Total:	**$1,058,021**



Ref. No. Score **Funding Recommendation**

32 10 Trinidad State Junior College

Roof Replacement, Mullen Building, Ph 1 of 1 $327,306

PROJECT DESCRIPTION / SCOPE OF WORK:
The Mullen building (HETR0202) roof is leaking through failed seams and the deteriorated masonry bricks 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 building houses their nationally recognized gun smithing program.

This project will replace the roof and repair the parapets.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$327,306**	Project Total:	**$327,306**

Ref. No. Score **Funding Recommendation**

33 10 Department of Human Services

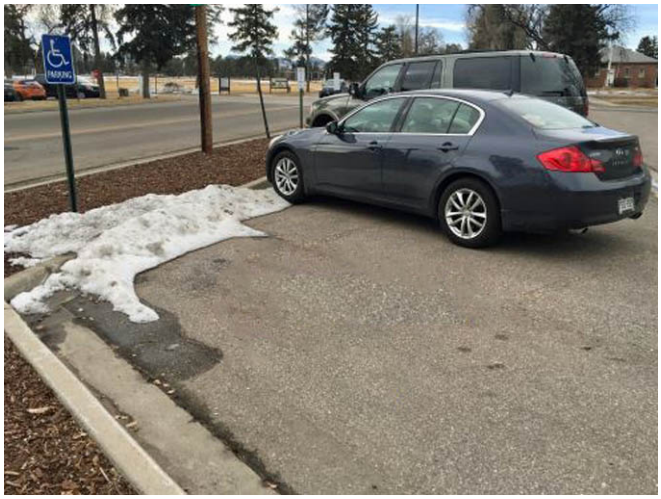
ADA Accessibility Improvements, CDHS, Ph 1 of 1 $188,278

PROJECT DESCRIPTION / SCOPE OF WORK:
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. The survey only reviewed about 15% of the total building inventory. The findings of the assessment highlighted the accessibility deficiencies within the areas and facilities assessed. These findings were reviewed and a plan to address them was formulated based on prioritization of the deficiency findings: high, medium, and low priority deficiencies. Although most of the work is not a life safety issue, lack of compliance to Federal Americans with Disabilities Act (ADA) standards could be an issue for CDHS.

This project will address the medium and high priority items as recommended by the survey. The low priority items will be addressed by CDHS.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$188,278**	Project Total:	**$188,278**



Ref. No. Score **Funding Recommendation**

34 10 University of Colorado Colorado Springs

Refurbish Campus Elevators, Seven Buildings, Ph 1 of 3 $288,225

PROJECT DESCRIPTION / SCOPE OF WORK:

This project encompasses elevator safety and performance throughout the campus at UCCS. The elevators are currently functioning, but components need to be replaced or modernized for continued safety, 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 Americans with Disabilities Act (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:**	
		FY22/23: Ph 2 - El Pomar and EASB	$631,706
		FY23/24: Ph 3 - University and Main	$472,445
Funded to Date:	**$0**	Project Balance:	**$1,104,151**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Cragmor and Columbine	**$288,225**	Project Total:	**$1,392,376**

Ref. No. Score **Funding Recommendation**

35 12 Auraria Higher Education Center

Replace Fire Sprinkler System, North Classroom Building, Ph 1 of 1 $1,074,241

PROJECT DESCRIPTION / SCOPE OF WORK:
While 111,498 sf of fire sprinkler was renovated in 2019, the sprinkler system in the remaining 170,060 sf of the 32 year old North Classroom Building (HEAU1236) is original to the building. Two separate systems at two dramatically different build dates requires duplicity in monitoring, testing and inspection.

This project will replace the remaining system to dramatically reduce the risk of failure and provide consistency required by the local fire district.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,074,241**	Project Total:	**$1,074,241**

Ref. No. Score **Funding Recommendation**

36 12 University of Colorado Boulder

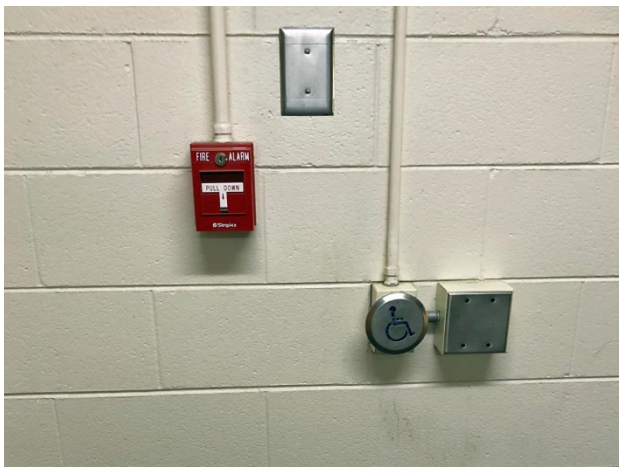
Replace Fire Alarm Control Panel, EC Civil and Classroom Buildings, Ph 1 of 1 $616,404

PROJECT DESCRIPTION / SCOPE OF WORK:
The fire panels in the 1988 Engineering Center Civil Engineering Wing (UCB #436) and Classroom Wing (UCB #432) were first introduced in 1988 and are well past their technological life expectancy. The panel is no longer in production, making replacement parts (particularly microprocessors and power supplies) challenging to obtain. This can lead to buildings being unprotected for extended periods while waiting for parts on the secondhand market.

This project will replace the fire control panels, field devices, including smoke detectors, manual pull stations, and notification appliances and relocate equipment where necessary to meet current fire code and accessibility requirements.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$616,404**	Project Total:	**$616,404**



Ref. No. Score **Funding Recommendation**

37 12 Colorado State University

Replacement Domestic Water Line, East Drive, Ph 1 of 1 — $504,134

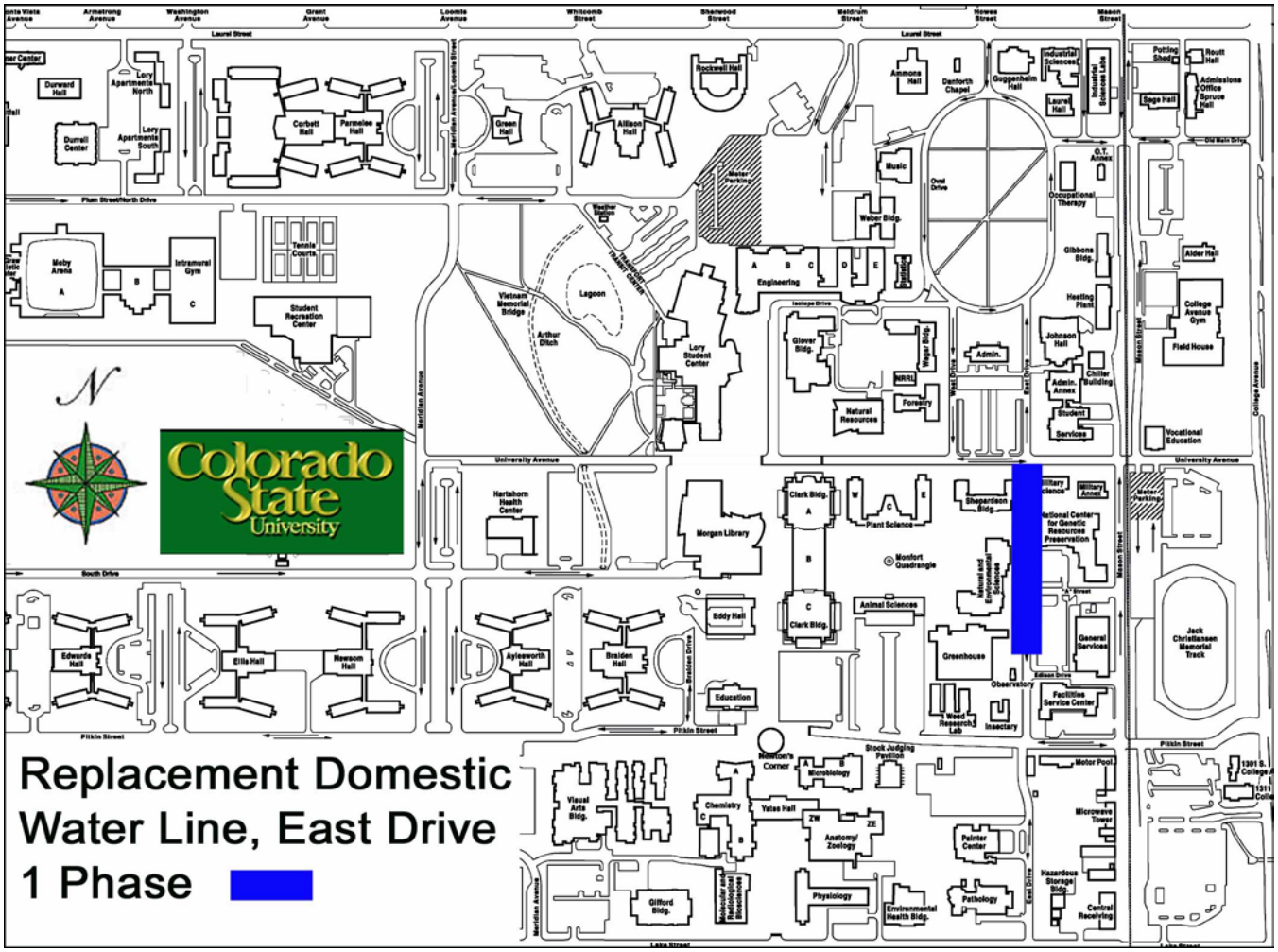
PROJECT DESCRIPTION / SCOPE OF WORK:

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 two buildings until repairs are made. One of the buildings is the Plant Growth Facilities (CSU #3302), which has 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 to meet water quality 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:**	
FY21/22: Ph 1	**$504,134**	Project Total:	**$504,134**



Ref. No. Score **Funding Recommendation**

38 12 Colorado Mesa University

Upgrade HVAC and Control Systems, Lowell Heiny Hall, Ph 2 of 2 $1,142,932

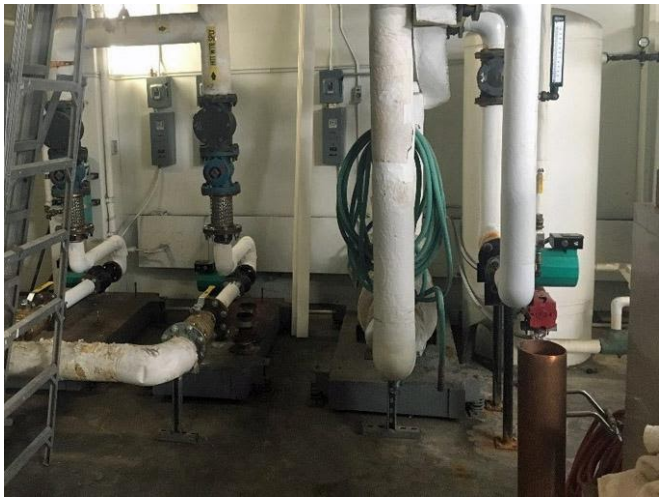
PROJECT DESCRIPTION / SCOPE OF WORK:

Lowell Heiny Hall (CMU #216) was constructed over 51 years ago and the heating, ventilating, and air conditioning systems are at the end of their useful lives and require replacement. The existing system includes two hydronic boilers, pneumatic thermostats, pumps, motors, a chiller, air handler units (AHU's), exhaust fans, and hot water re-heat variable air volume (VAV) boxes. Cold water for the fan coils is provided by a rooftop chiller. A small electric water heater provides domestic hot water. Current problems include the limited control over heating and cooling, the lack of air circulation and difficulty in finding replacement parts. Most occupants use a space heater in the winter and a fan in the summer to supplement the conditioned air.

Phase 1 replaced the HVAC system including all new fan coil units, piping, and controls on the 1st floor only. Phase 2 will replace the main HVAC equipment including controls, fan coil units, air-cooled chiller, water pumps, heating, and chilled water piping. We will also replace the fan coil units, piping, and controls on floors 2, 3 and 4.

PROJECT FUNDING:

Prior Phasing: 2019-084M19		**Future Phasing:**	
FY19/20: Ph 1 – HVAC 1ST Floor	$556,973		
Funded to Date:	**$556,973**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 – Floors 2, 3, & 4	**$1,142,932**	Project Total:	**$1,699,905**



Ref. No. Score **Funding Recommendation**

39 12 Department of Personnel & Administration - Camp George West

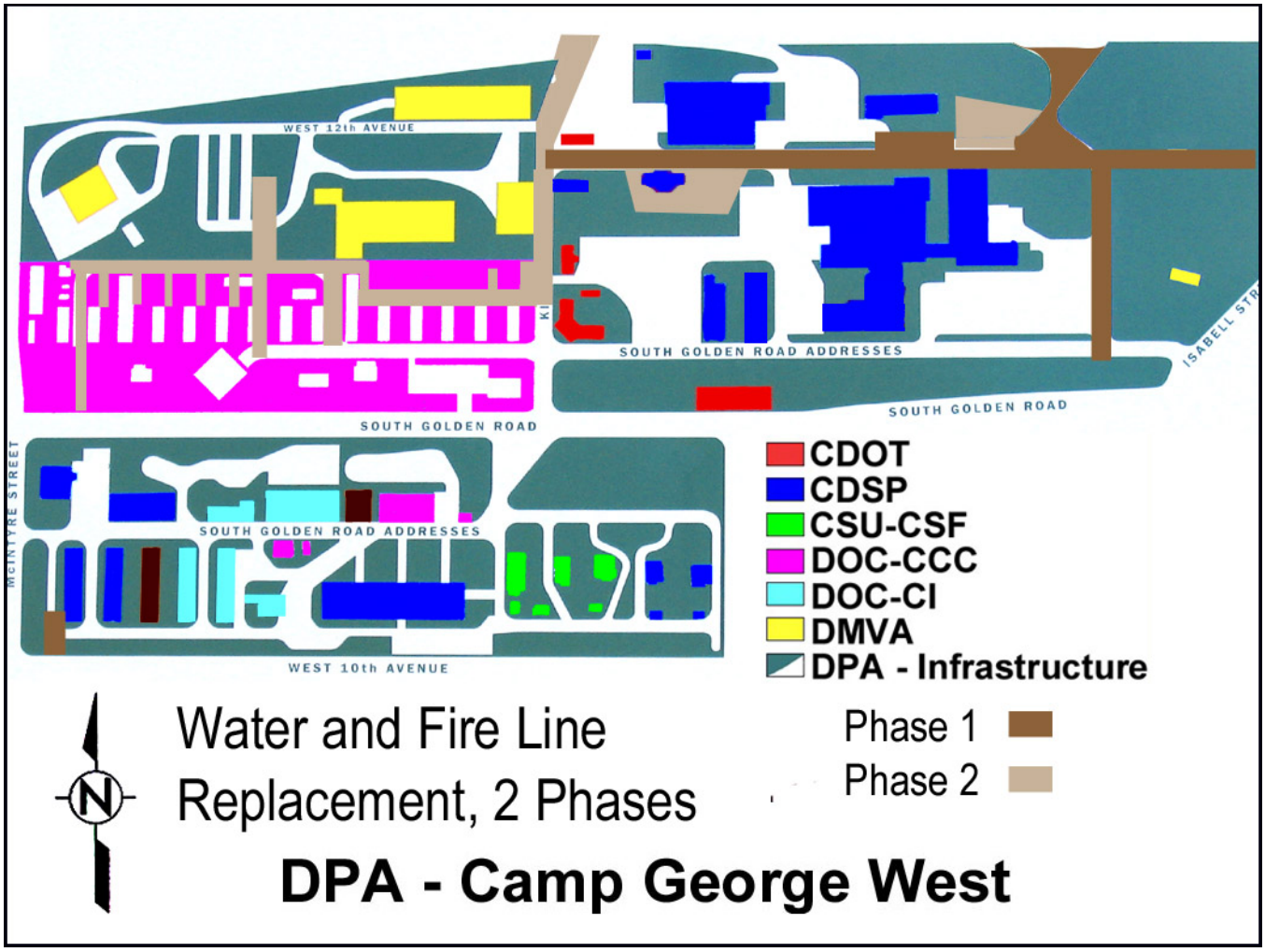
Water and Fire Line Replacement, Camp George West, Ph 1 of 2 **$1,799,255**

PROJECT DESCRIPTION / SCOPE OF WORK:
In 1903, the Colorado National Guard established its only permanent training facility three miles east of Golden. The post was designated Camp George West in 1934. The problems at the site include most of the original underground water and sewer utilities and an issue of water surface drainage across the site and next to the building. The site has experienced multiple sewer line breaks and water line breaks. A report determined the water pressure and flow capacity to be under proper code limits. Additionally, the water sheet flows from northwest to southeast across both halves of the site until the water reaches Lena Gulch, lastly, the site exterior lighting is old and needs upgrading.

Phase 1 work will provide two new 8" taps/meters to the Consolidated Mutual Water Company and new 8" water main pipe for the majority of the portions of work indicated on the phasing drawing below This funding request also pays for the CMWC's development/tap fees and 10 acre feet of water stock $430,000. Phase one work will also make drainage, paving, sidewalk, curb/gutter repairs and other improvements. Phase 2 will also replace existing 6" water mains with new 8" water mains as well as replace corroded, failing galvanized iron, pvc and cast iron service lines as discovered in the SB267 assessment report. At the completion of these two phases the campus will have replaced 51% of the water mains, added additional fire hydrants, increased fire flows and water pressure and will also improve water quality.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Water/Sewer Lines, LEDs	$1,599,320
Funded to Date:	**$0**	Project Balance:	**$1,599,320**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Water Lines & Paving	**$1,799,255**	Project Total:	**$3,398,575**



Ref. No. Score **Funding Recommendation**

40 12 Office of the Governor - Office of Information Technology

Replace Microwave Towers, Group F, Ph 1 of 1 — $1,315,802

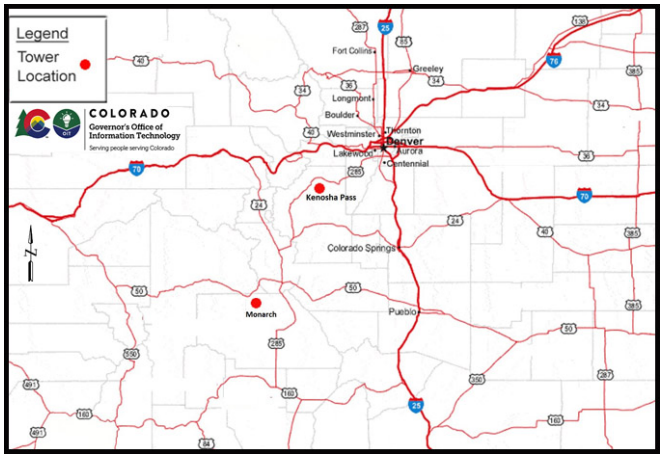
PROJECT DESCRIPTION / SCOPE OF WORK:

The project will replace the next group of towers determined by the tower analysis of the structures in 2008. This project "F Group" request is for 2 towers, which are Monarch and Kenosha Pass towers. The project will encompass the installation of new tower structures including foundations as well as removal of old towers. A construction requirement of this project is to maintain continuity of the system with minimal outages which will require the addition of microwave antennas and waveguide to the tower, so the cutover time is minimized. This will meet the requirement to maintain the system continuity due to the criticality of the sites. The equipment shelters are also old, failing and need to be replaced.

This project will replace the two towers and replace the equipment shelters to realize cost savings on these mountain top projects.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,315,802**	Project Total:	**$1,315,802**



Ref. No. Score **Funding Recommendation**

41 12 Arapahoe Community College

Replace HVAC Primary Equipment, Main Building, Ph 2 of 3 $1,912,304

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:

Prior Phasing: 2020-078M19		**Future Phasing:**	
FY19/20: Ph 1 - Chillers	$1,692,460	FY22/23: Ph 3 - Boilers and AHUs	$1,339,674
Funded to Date:	**$1,692,460**	Project Balance:	**$1,339,674**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 - Cooling Towers	**$1,912,304**	Project Total:	**$4,944,438**

Ref. No. Score **Funding Recommendation**

42 12 Department of Local Affairs - Fort Lyon

Replace Chiller, Building 5, Ph 1 of 1 — $227,300

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 will replace the chiller which will also reduce utility costs.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$227,300**	Project Total:	**$227,300**

Ref. No. Score **Funding Recommendation**

43 12 Colorado Community College System at Lowry

Install New Boilers, Chiller, AHUs and Upgrade the Controls, Building 999, Ph 1 of 1 $1,093,378

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. 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,093,378**	Project Total:	**$1,093,378**

Ref. No. Score **Funding Recommendation**

44 12 Red Rocks Community College

Replace Coil and Supply Fan, West End RTU, Main Building, Lakewood Campus, Ph 1 of 1 $844,310

PROJECT DESCRIPTION / SCOPE OF WORK:

The Main Building (HERR0766), west end air handling unit has lost about 50% of the air flow that goes through the cooling coil. The school has tried cleaning the coil six times, but because of limited accessibility to the coil the cleaning efforts have not improved air flow. This is an old style 8 pass coil which means that the center of the coil is permanently inaccessible and cleaning the exterior areas has not solved the problems. The inability to get the unit to normal operating pressure affects the buildings HVAC, including air changes as well as cooling, leading to low air quality in the building. The location of this mechanical room is remote, hindering any kind of relevant repair options.

This project will install a new coil with a high-efficiency fan wall to improve energy efficiency and operational effectiveness. This option is a newer technology, it consists of a new coil and replacing the one large fan motors, 24 smaller fan units will be installed. These fans will run on 110v and will modulate with demand. At peak times all 24 motors may be running but during times of less demands maybe three fans are running. This will lead to a much more efficient and cost-effective system for the college.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$844,310**	Project Total:	**$844,310**

Ref. No. Score **Funding Recommendation**

45 12 University of Northern Colorado

Replace Chiller, Michener, Ph 1 of 1 — $922,705

PROJECT DESCRIPTION / SCOPE OF WORK:

The chiller serving the Michener Library building (UNC #116) 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$922,705**	Project Total:	**$922,705**

Ref. No. Score **Funding Recommendation**

46 12 Colorado State University - Pueblo

Refurbish Elevators, Upgrade ADA Compliance, Four Buildings, Ph 1 of 1 $890,193

PROJECT DESCRIPTION / SCOPE OF WORK:
The elevators in the Administration Building (HESC1254) (pictured below), Life Science Building (HESC1248), Chemistry Building (HESC1246), and Hasan (HESC4251) 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 will be 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 will modernize the elevators in these four buildings.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$890,193**	Project Total:	**$890,193**

Ref. No. Score **Funding Recommendation**

47 12 Department of Personnel & Administration - Division of Capital Assets

Replace Plumbing and Abate Asbestos, Centennial Building, Ph 1 of 2 $1,440,849

PROJECT DESCRIPTION / SCOPE OF WORK:

The plumbing system in the Centennial Building (GSCB0140) has had minor upgrades since it was constructed in 1976. An assessment performed in 2014 identified replacing all plumbing systems because of their age and maintenance problems. The assessment also identified asbestos covering water piping and wall plaster on all restroom walls and ceilings. This phased request will replace all restroom plumbing systems. The hazardous material will be abated and disposed of properly.

The project will install new finishes including walls, ceiling and flooring in the restrooms. New low-flow code compliant plumbing fixtures with automatic touch free flush valves will be used to minimize water usage. The restrooms will be designed to meet all current building codes including Americans with Disability Act (ADA) requirements. Phase 1 will start on the top floor expecting to complete half the building. Phase 2 will complete the project down to the 2B level.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Bottom half of Building	$1,396,017
Funded to Date:	**$0**	Project Balance:	**$1,396,017**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Top half of Building	**$1,440,849**	Project Total:	**$2,836,866**

Ref. No. Score **Funding Recommendation**

48 12 Department of Education - Colorado Talking Book Library

Improve Site Drainage and Safety, Talking Book Library, Ph 1 of 1 — $529,744

PROJECT DESCRIPTION / SCOPE OF WORK:

The Colorado Talking Book Library (EDAD6172) is unique as the State's Library of Congress National Library Service for the Blind and Physically Handicapped and since 1931 provides reading materials for people that cannot read books. The program is housed in a one-story building sited along a major thoroughfare with five lanes of traffic (Sheridan Blvd, US 95) on the western edge of Denver. The site has many challenges due to it currently being 100% impervious. Those challenges include: inadequate drainage of site water, icing of payment presenting fall hazard to staff and visitors (fall claims have been submitted), water flowing against the building's foundation and structure causing deterioration, lack of accessibility compliant with Americans with Disabilities Act (ADA) of pathways and parking spaces, site water draining onto neighboring property and city walks, damaged sidewalks, inadequate surfacing and enclosure for trash and recycling dumpsters, non-OSHA compliant loading dock railings, pavement that allows vandals to pull vehicles adjacent to lower roof allowing climbable access to upper roof, deteriorating pavement in parking areas, lack of wheel stops (allowing a vehicle to drive into the front of the building causing significant damage), and other site issues.

The solution to these problems is a holistic site improvement project that will address the identified problems and provide site improvements, upgrades, and repairs resulting in long-term benefit to the facility, its occupants, and neighbors while addressing aged sub-surface infrastructure.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$529,744**	Project Total:	**$529,744**

Ref. No. Score **Funding Recommendation**

49 12 Colorado Northwestern Community College

Replace Roof, Windows, Blakeslee and Allsebrook Buildings, Rangely Campus, Ph 1 of 1 $717,475

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 will be installed with UV protection.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$717,475**	Project Total:	**$717,475**

Ref. No. Score **Funding Recommendation**

50 12 Community College of Aurora

Roof Replacement, Administration Building, Ph 1 of 1 $572,934

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 several locations down the center of the building and the south end of the building. Water pools in locations where inappropriate slopes exist 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:**	
FY21/22: Ph 1	**$572,934**	Project Total:	**$572,934**

Ref. No. Score **Funding Recommendation**

51 12 Front Range Community College

Replace Harmony Library Roof, Larimer Campus, Ph 1 of 1 $482,662

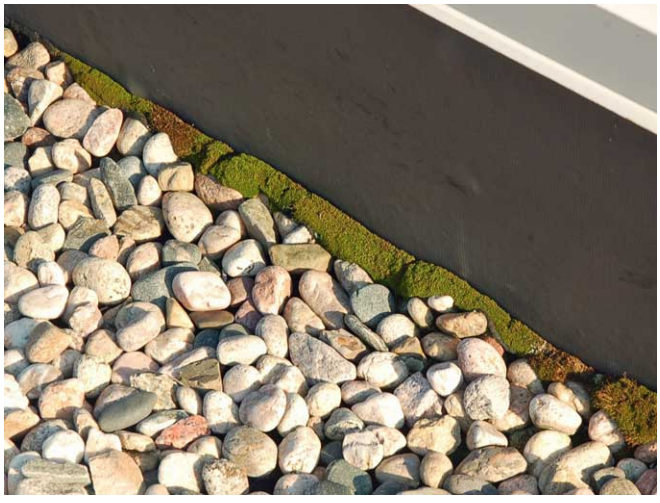
PROJECT DESCRIPTION / SCOPE OF WORK:

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$482,662**	Project Total:	**$482,662**



Ref. No. Score **Funding Recommendation**

52 12 History Colorado

Replace Roofs, Santa Fe Trail Museum and Baca House, Ph 1 of 1 $223,919

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$223,919**	Project Total:	**$223,919**

Ref. No. Score **Funding Recommendation**

53 14 Department of Military and Veterans Affairs

Site Security Lighting Upgrade, Montrose and Chestnut Readiness Centers, Ph 1 of 1 $162,040

PROJECT DESCRIPTION / SCOPE OF WORK:

The 2.7-acre Chestnut Readiness Center (MANG0925) (Colorado Springs) site is fully enclosed with six-foot high security fencing. Most of the site is hardscape for parking with a gravel or grass buffer area between the fencing and the curb. The existing pole mounted light fixtures are installed just beyond the paving in the grass or gravel buffer areas and are standard HID fixtures mounted on 25' poles. The lighting control system for this site consists of individually mounted photocells located at the base of each light pole. Many of the photocells have failed. Wall mounted lighting fixtures situated around the buildings are primarily unshielded wall pack type fixtures which produce a lot of glare and light trespass into neighborhood houses. Along the front east side of the Montrose Readiness Center (MANG7207) is a 19,000 square foot parking lot that contains 65 parking spaces. The parking lot and driveway to the Motor Pool is currently minimally lit with only two HID fixtures mounted on 30' poles. The lighting levels at both sites are creating a security and safety concern for the facility users/visitors and are below minimum Army and Department of Defense (DoD) standards.

This project will replace the existing pole and building mounted lights with energy efficient LED fixtures plus add new poles where necessary. The existing lighting control system will be replaced. Photocells on pole lights will be replaced with onboard motion sensors, with dual level switching to improve energy efficiency. The wall mounted light fixtures will be replaced with shielded LED fixtures to reduce glare. A new centrally located time-clock and single photocell will control building mounted lights. Design for Site Security Upgrades at both facilities is currently at 75% complete. Final construction drawings are anticipated to be completed in summer 2020. Federal construction funds have been requested for FY21 (Oct 2020-September 2021). Funding of the project as requested in FY21-22 will match the federal request and allow bidding as soon as the state appropriation bill is signed.

PROJECT FUNDING:

Prior Phasing:	**CCF**	**FF**	**Future Phasing:**	**CCF**	**FF**
Funded to Date:	**$0**	**$0**	Project Balance:	**$0**	
Current Phase:			**All Phases:**		
FY21/22: Ph 1	**$162,040**	**$486,120**	Project Total:	**$162,040**	**$486,120**

Ref. No. Score **Funding Recommendation**

54 14 Colorado School of Mines

Replacement of Hazardous Laboratory Exhaust Fans, Campus, Ph 1 of 3 $496,873

PROJECT DESCRIPTION / SCOPE OF WORK:
The three buildings in this request; Berthoud Hall (CSM #BE), Coolbaugh Hall (CSM #CO), Alderson Hall (CSM #AL) all have large laboratory exhaust systems that remove hazardous fumes and vapors from the classroom laboratories. 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 will replace the fans on Berthoud Hall (CSM #BE). Phase 2 will replace the fans on Coolbaugh Hall (CSM #CO). Phase 3 will replace the fans on Alderson Hall (CSM #AL).

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Coolbaugh Hall Fans	$1,336,421
		FY23/24: Ph 3 – Alderson Hall Fans	$875,236
Funded to Date:	**$0**	Project Balance:	**$2,211,657**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Berthoud Hall Fans	**$496,873**	Project Total:	**$2,708,530**

Ref. No. Score **Funding Recommendation**

55 14 University of Colorado Boulder

Install Rooftop Fall Protection, Muenzinger, Porter and Imig Buildings, Ph 1 of 1 $1,032,016

PROJECT DESCRIPTION / SCOPE OF WORK:
The rooftops at Muenzinger (UCB #373S), Porter (UCB #373N), and Imig (UCB #334) buildings have critical exhaust fans and HVAC systems that require ongoing maintenance and repair during all weather conditions. Fall hazards exist on these roofs and engineered fall protection systems are needed to ensure the ongoing safety of State employees.

The Muenzinger building requires a multiple system approach including both surface mounted and fixed guardrails, roof surface edge warning, roof hatch railing and ladder protection. The Porter building also involves multiple systems and includes similar solutions to Muenzinger. The Imig Music fall hazard mitigation will include 415 LF of surface-mounted guardrail, improvement to access ladders, hatch guard rail systems and installation of approximately 150 LF of warning line.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,032,016**	Project Total:	**$1,032,016**

Ref. No. Score **Funding Recommendation**

56 14 Department of Personnel & Administration - 1881 Pierce

Restroom Modernization, 1881 Pierce Street, Ph 1 of 1 — $1,182,928

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 sf 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 need complete rehabilitation to comply with current Americans with Disability Act (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:**	
FY21/22: Ph 1	**$1,182,928**	Project Total:	**$1,182,928**

Ref. No. Score **Funding Recommendation**

57 14 Lamar Community College

Campus Accessibility Compliance, Ph 1 of 1 — $682,500

PROJECT DESCRIPTION / SCOPE OF WORK:

In June of 2016, the Colorado Community College System (CCCS) conducted an Americans with Disabilities Act (ADA) Compliance Audit of the LCC campus, most of which was built prior to the ADA. 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$682,500**	Project Total:	**$682,500**

Ref. No. Score **Funding Recommendation**

58 14 University of Colorado Denver

Improve Heating System, Building 500, Ph 2 of 5 — $821,737

PROJECT DESCRIPTION / SCOPE OF WORK:

Building 500, now the Fitzsimmons Building, (UCD #Q20) is a 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:

Prior Phasing: 2019-073M19		**Future Phasing:**	
FY19/20: Ph 1 - Ground Floor (51 Units)	$727,427	FY22/23: Ph 3 - 2nd floor (130 Units)	$945,429
		FY23/24: Ph 4 - 4th, 5th, and 8th Floors (178 Units)	$1,051,415
		FY24/25: Ph 5 - 6th and 7th Floor (85 Units)	$551,669
Funded to Date:	**$727,427**	Project Balance:	**$2,548,513**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 - 1st Floor (78 Units)	**$821,737**	Project Total:	**$4,097,677**

Ref. No. Score **Funding Recommendation**

59 14 Front Range Community College

Replace RTU's, College Hill Library, Westminster Campus, Ph 1 of 1 $1,196,612

PROJECT DESCRIPTION / SCOPE OF WORK:

The Westminster Campus College Hill Library (HEFR0754) is nearly 80,000 SF and the building's 23-year-old HVAC systems are at end of life given the library's seven day a week operation. The air handling units (AHUs) serving this building are packaged type units that have a useful life of approximately 20-25 years. The return fans associated with AHUs are installed remotely within the mechanical room and at an elevation over 10 feet above the floor making maintenance difficult. The control system is a hybrid of pneumatics (compressed air controls) mixed with some Direct Digital Controls (DDC) and devices that translate between pneumatic and DDC. Two air handling units serve the library, and one smaller air handling unit is dedicated to the Link connecting this building to the main building. The AHUs installed are of lower quality construction and have a short life expectancy. The air handling units rely on pneumatic controls, which are failing, potentially causing loss of ventilation to the building. The control valves for the heating and cooling coils appear to be leaking and rusted. The control has been obsolete for over 5 years. FRCC is not able to purchase replacement parts or software upgrades for this system. This results in a system that cannot be controlled automatically and requires manual intervention to provide comfort control.

The project regarding the controls will upgrade existing AHU controls to DDC and demo existing pneumatic controls. The project will modify and rebalance the duct system. To minimize the disruption on the occupants, it is imperative that the project be completed in one phase. A different project focuses on the replacement of the VAV system. The City of Westminster (CoW) is providing 40% of the total project cost ($797,742) as this is a shared facility with the city. Total project cost is $1,994,354

PROJECT FUNDING:

Prior Phasing:	**CCF**	**CoW**	**Future Phasing:**	**CCF**	**CoW**
Funded to Date:	**$0**	**$0**	Project Balance:	**$0**	**$0**
Current Phase:			**All Phases:**		
FY21/22: Ph 1 - Design	**$1,196,612**	**$797,742**	Project Total:	**$1,196,612**	**$797,742**

Ref. No. Score **Funding Recommendation**

60 14 University of Colorado Denver

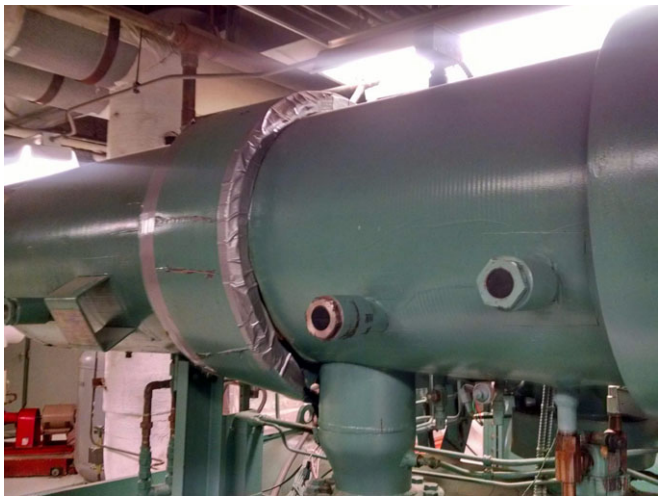
Replace Chiller, Fitzsimons Building, Ph 1 of 2 — $1,122,100

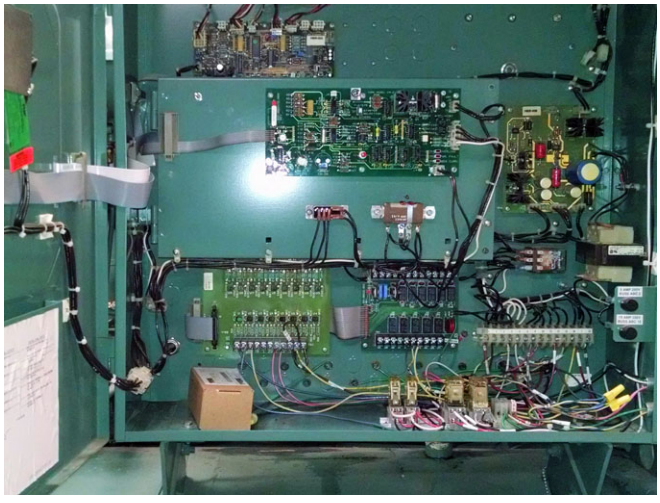
PROJECT DESCRIPTION / SCOPE OF WORK:
Fitzsimons Building (UCD #Q20) is a 1941 facility that has three 30-year old chillers that provide emergency cooling for critical process needs and for nearby animal vivarium, a facility with highly sensitive controlled environments that contain animals in a semi-natural 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:**	
		FY22/23: Ph 2 – Install 3 Chillers	$1,651,467
Funded to Date:	**$0**	Project Balance:	**$1,651,467**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Modifications to Piping Loop	**$1,122,100**	Project Total:	**$2,773,567**





Ref. No. Score **Funding Recommendation**

61 14 Colorado State University

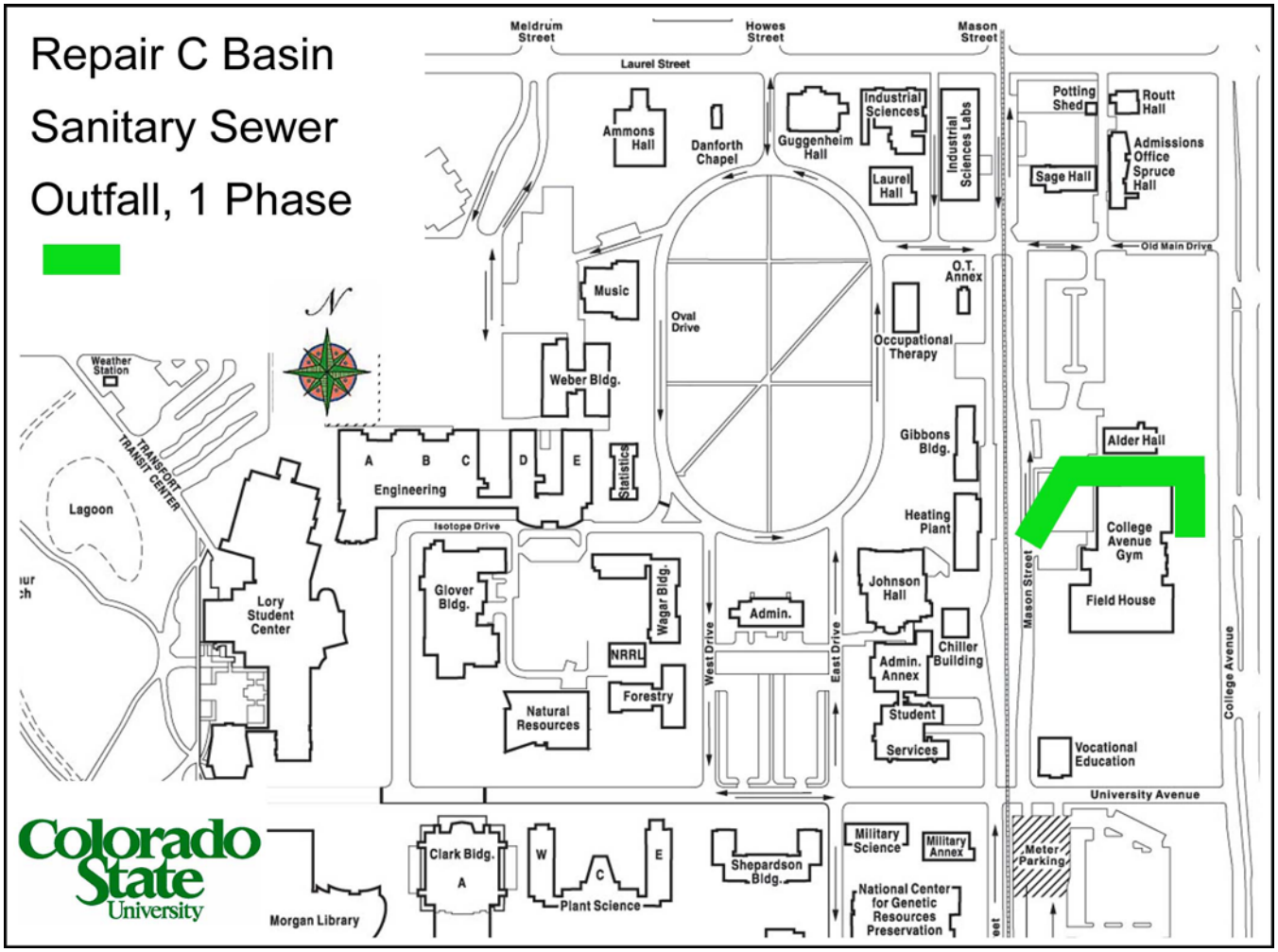
Repair C Basin Sanitary Sewer Outfall, Ph 1 of 1 — $517,012

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:**	
FY21/22: Ph 1	**$517,012**	Project Total:	**$517,012**



Ref. No. Score **Funding Recommendation**

62 14 Pueblo Community College

Replace Roof System, Fremont Campus, Ph 1 of 1 — $828,542

PROJECT DESCRIPTION / SCOPE OF WORK:

This project is just west of Canon City. The Main building (HEPV9729) is a multi-faceted, which is vital to the day-to-day and ongoing operations of this campus. All classes for this branch occur in this building. Aside from classes, this building houses the physical plant and administrative offices, vital to operations. Over the past few years, roof deficiencies and failures have plagued the staff with patching and attempting to minimize the damage inside the building. This building roofing system is beyond its useful life and is in dire need of replacement.

This project will replace the roof as necessary and add insulation to meet current building codes.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$828,542**	Project Total:	**$828,542**

Ref. No. Score **Funding Recommendation**

63 14 Department of Education - Colorado School for the Deaf and Blind

Roof Replacements, West and Argo Halls, Ph 1 of 2 — $1,443,067

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. Argo Hall (EDDB2608) was built in 1923, and 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.

Phase 1 will address the smaller pitched portion of the roof of West Hall, 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 slate tiles, properly pitched, covered with a waterproof membrane and retiled. 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. 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 standing water resulting with the insulation becoming 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. Interior finishes damaged by water infiltration will be repaired or replaced.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Argo Hall	$656,773
Funded to Date:	**$0**	Project Balance:	**$656,773**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - West Hall	**$1,443,067**	Project Total:	**$2,099,840**

Ref. No. Score **Funding Recommendation**

64 14 Department of Personnel & Administration - State Capitol Building

Replace Freight Elevator, State Capitol Building, Ph 1 of 1 $584,212

PROJECT DESCRIPTION / SCOPE OF WORK:

The State Capitol Building (GSCB0137) exterior freight elevator is past its useful life. Capitol Complex has made temporary repairs to have the Denver Fire Department "Red Tag" removed and put the elevator back in operation. It is only a matter of time before the elevator fails again. Parts of the elevator due to its age are becoming more difficult to procure.

The project will remove the existing elevator and install a new elevator. New control panel and machine room equipment will be installed, and the system will be interfaced with the Building Protection Panel.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$584,212**	Project Total:	**$584,212**

Ref. No. Score **Funding Recommendation**

65 14 Otero Junior College

Abate Asbestos, Safety Upgrade, Humanities Center, Ph 1 of 1 $1,400,000

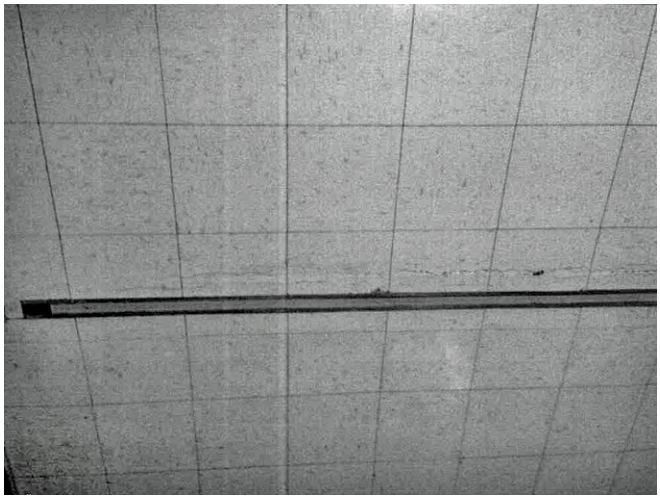
PROJECT DESCRIPTION / SCOPE OF WORK:

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 suspected to contain asbestos. 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 several 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,400,000**	Project Total:	**$1,400,000**



Ref. No. Score **Funding Recommendation**

66 14 Colorado Community College System at Lowry

Upgrade HVAC, Building 859, Ph 1 of 1 — $1,191,876

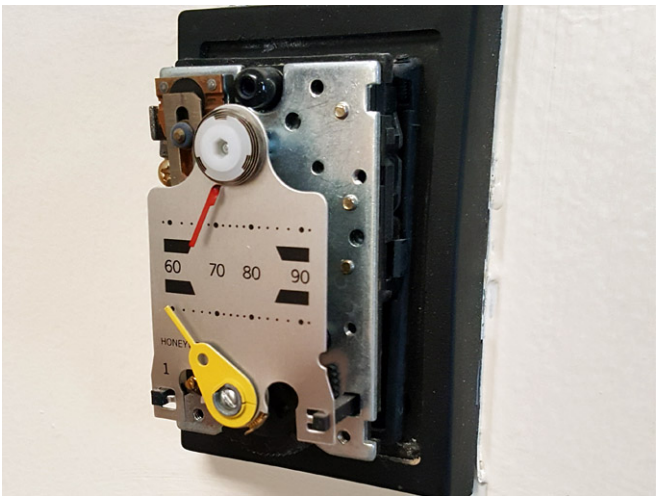
PROJECT DESCRIPTION / SCOPE OF WORK:

The boiler and most of the HVAC equipment is original to Building 859 (HEOE9111). The equipment is old, inefficient, and well past its useful life expectancy. The comfort level in the building is poor and only getting worse. The VAV's are well beyond their serviceable life and are not being properly controlled so the building is highly over pressured to the point the doors will not close properly. The original boiler is limping along, and the original chiller is soon to be obsolete due to the R-22 refrigerant in use. The hydronic piping is corroding, and the controls system is failed at all terminal boxes. Replacement of this critical HVAC equipment will assure long-term viability of this facility to serve the school's needs. This project can't be phased because there is no good place to break up the project and the old piping and equipment would contaminate the water and in turn the new equipment from the rust and particles in the water and in turn endanger the life expectancy of new equipment added in the first phase.

This project will align all systems and add controls to all HVAC systems in the building to increase efficiency and comfort level.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,191,876**	Project Total:	**$1,191,876**



Ref. No. Score **Funding Recommendation**

67 15 University of Colorado Denver

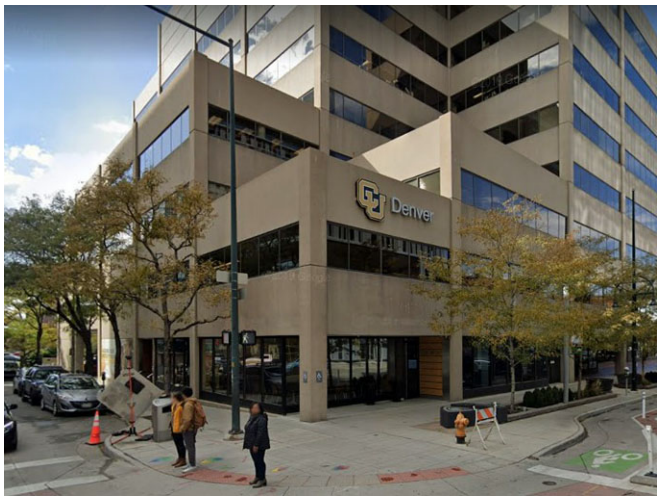
Upgrade Electrical Systems, CU Denver Building, Ph 1 of 2 $1,321,872

PROJECT DESCRIPTION / SCOPE OF WORK:
The CU Denver Building (1250 14th Street) was constructed in 1977 and most of its mechanical and electrical systems are original to construction, and greatly in need of replacement. The existing systems are very inefficient when compared to current technology, and reliability is of grave concern. The risk of building loss of use due to major system failure is significant.

Phase 1 will upgrade the main electrical service distribution, including connecting the elevators to the emergency generator. Phase 2 will replace lighting and mechanical panel boards and general power panel boards.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Light/HVAC Electric Panels	$1,103,894
Funded to Date:	**$0**	Project Balance:	**$1,103,894**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Main Electric Service	**$1,321,872**	Project Total:	**$2,425,766**



Ref. No. Score **Funding Recommendation**

68 15 Lamar Community College

Replace Roofs, Bowman, Trustees, and Wellness Center Buildings, Ph 1 of 1 $759,440

PROJECT DESCRIPTION / SCOPE OF WORK:

The Trustees (HELO0775) is approximately 20 years old but is starting to show significant deterioration. There is a major leak at or near a building expansion joint. Most of this area needs to be stripped down to the concrete decking so the insulation can be replaced as well have the paper, tar, and gravel. Most of the caulking around flashing is deteriorated to a point of needing complete replacement. The Bowman (HELO0773) roof is approximately 30 years old and is showing significant deterioration. Several leaks are found around the perimeter of the building. The HVAC equipment room/penthouse has been problematic with leaks around the perimeter of the structure. Many repairs have left the roof uneven in some spots resulting in large pooling on the roof surface. The Wellness Center (HELO8864) roof is only 20 years old but has numerous leaks over the last 5 years. The largest troublesome areas are around rooftop A/C units and ventilators. Some areas of the roof are uneven resulting in pooling of water. As a result of roof leaks, some damage to the gym floor has occurred and been repaired as well.

This project will replace the roofs on these three buildings and add insulation to meet current building codes.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$759,440**	Project Total:	**$759,440**

Ref. No. Score **Funding Recommendation**

69 16 Department of Agriculture - Colorado State Fair

Code and Safety Updates, Events Center, Ph 1 of 1 $1,153,056

PROJECT DESCRIPTION / SCOPE OF WORK:

The Events Center (AGSF7483) had a facility condition audit performed in April of 2018 that reported numerous code and life safety concerns. The report identified the condition of the paving on the outside of the building near egress doors and entry ways, unsafe stairway and balcony railings, and entry doors that lack automatic openers for accessibility. In addition to these problems, it was also noted that the covers used in the floor to cover the electrical systems are causing a tripping hazard. If concrete repairs around the egress areas are not made, it could impact evacuation efforts during a fire or other emergency. The railing systems having over a 4" opening is a definite safety issue for children and others using the stairways and balcony seating. Automatic door openers are important for guests and employees with accessibility issues.

This project will repair or replace concrete around the perimeter of the building to provide safe and accessible surfaces leading from the points of exit to a public walkway. This project will retrofit or replace railing systems throughout the facility that do not meet code or are unsafe. Install automatic door openers to improve accessibility at all three public entrances. The project will also replace deteriorated floor electrical box covers with a system that fits properly and allows for proper cable/wire management to avoid major tripping hazards.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,153,056**	Project Total:	**$1,153,056**

Ref. No. Score **Funding Recommendation**

70 16 Department of Corrections

Improve Door Security, Lower North, BVCF, Ph 1 of 4 — $1,615,288

PROJECT DESCRIPTION / SCOPE OF WORK:

The 15,427 sf Buena Vista Correctional Facility (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 to which 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 (18 cells) 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:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – 18 Cells Doors Upgraded	$1,615,288
		FY23/24: Ph 3 – 18 Cells Doors Upgraded	$1,615,288
		FY24/25: Ph 4 – 18 Cells Doors Upgraded	$1,615,288
Funded to Date:	**$0**	Project Balance:	**$4,845,864**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – 18 Cells Doors Upgraded	**$1,615,288**	Project Total:	**$6,461,152**

Ref. No. Score **Funding Recommendation**

71 16 Colorado State University - Pueblo

Replace Campus Water Lines, Ph 2 of 3 — $924,495

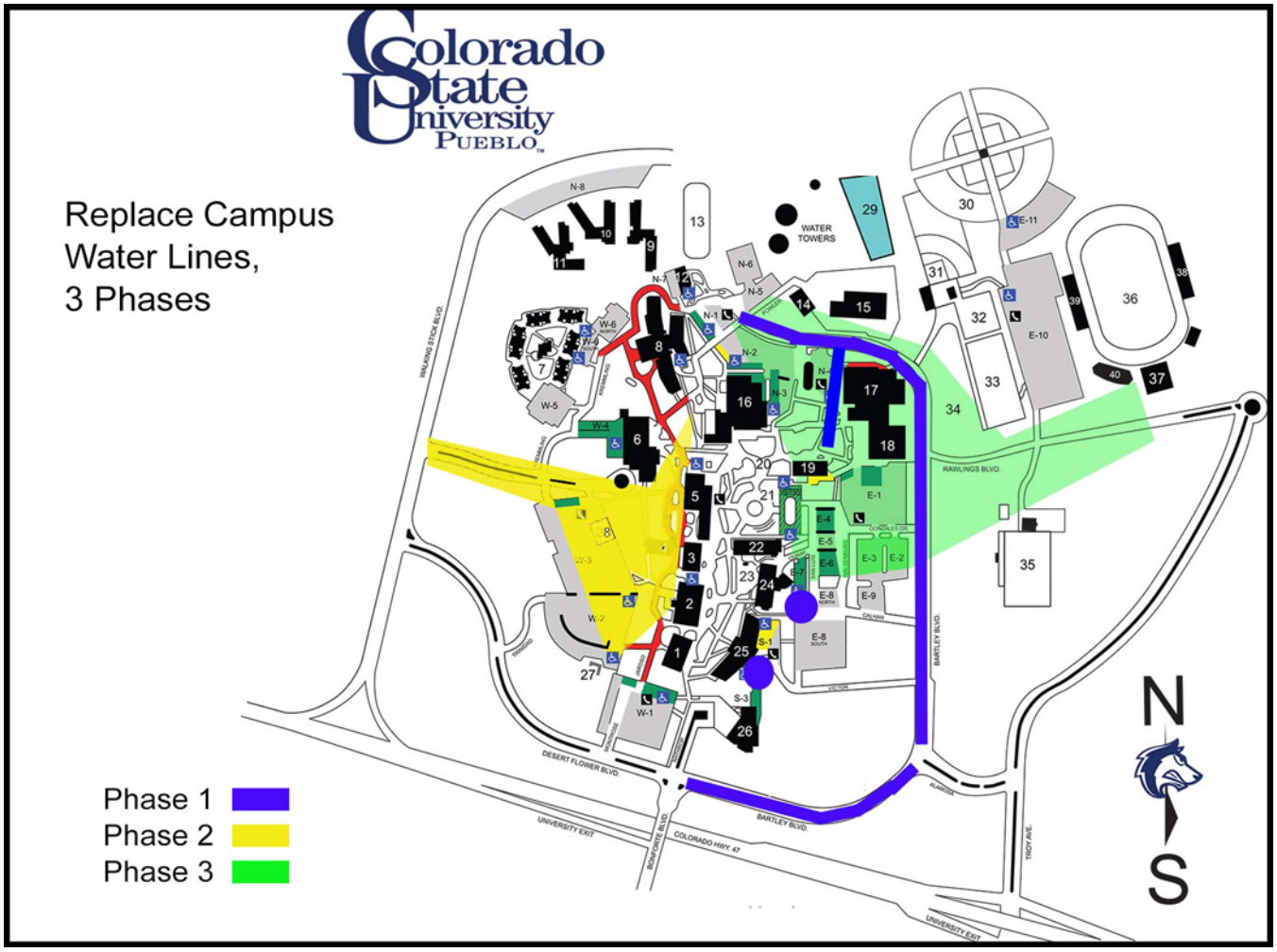
PROJECT DESCRIPTION / SCOPE OF WORK:

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 must 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 upsized 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 separate all irrigation on west campus areas from the domestic water main loop. Phase 3 is like Phase 2 and address the east campus area.

PROJECT FUNDING:

Prior Phasing: 2020-087M19		**Future Phasing:**	
FY19/20: Ph 1 - Design and Indicated Items	$900,680	FY22/23: Ph 3 - East Campus Lines	$924,495
Funded to Date:	**$900,680**	Project Balance:	**$924,495**
Current Phase:		**All Phases:**	
FY21/22: Ph 2 - West Campus Lines	**$924,495**	Project Total:	**$2,749,670**



Ref. No. Score **Funding Recommendation**

72 16 Department of Human Services

Upgrade Interiors Group Home, Ph 1 of 3 — $1,035,555

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 have 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:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Three Homes	$1,035,555
		FY23/24: Ph 3 - Two Homes	$685,728
Funded to Date:	**$0**	Project Balance:	**$1,721,283**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Three Homes	**$1,035,555**	Project Total:	**$2,756,838**

Ref. No. Score **Funding Recommendation**

73 16 University of Colorado, Colorado Springs

Replace AHU and Return Air System, Columbine Hall, Ph 1 of 1 — $646,048

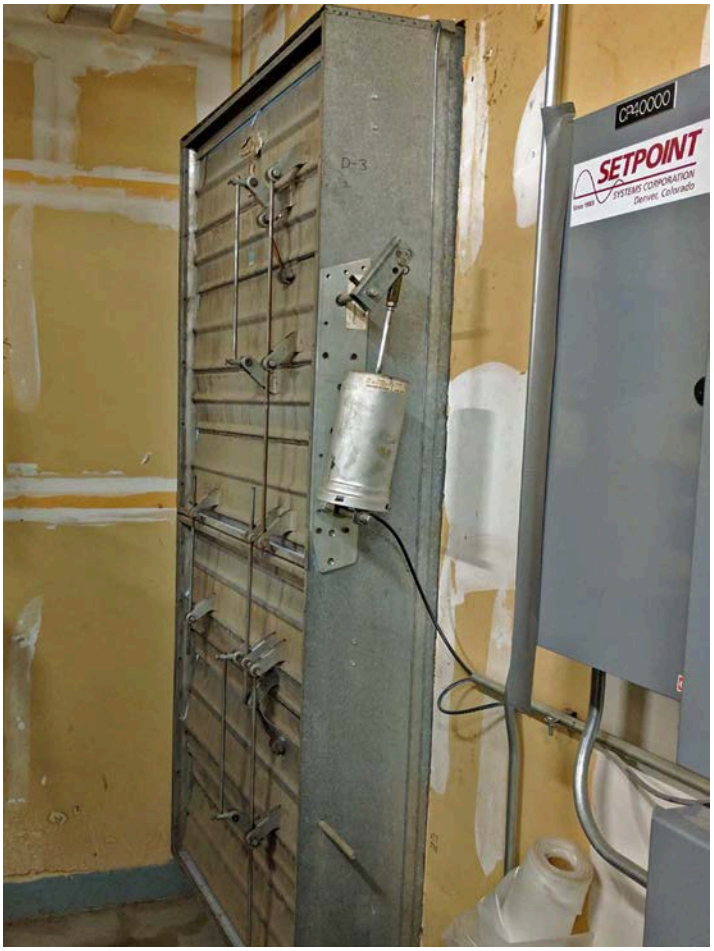
PROJECT DESCRIPTION / SCOPE OF WORK:

Columbine Hall (UCCS #90015) was constructed in 1997. 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 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 handing 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$646,048**	Project Total:	**$646,048**



Ref. No. Score **Funding Recommendation**

74 16 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.

Except the recently replaced pumps at Quigley and Paul Wright Gym, this project will replace all aging pumps utilized for building domestic hot water and heating water will be replaced. 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:**	
FY21/22: Ph 1	**$884,785**	Project Total:	**$884,785**

Ref. No. Score **Funding Recommendation**

75 16 Colorado Mesa University

Upgrade HVAC, BAS, and Security Systems, Wubben and Health Sciences, Ph 1 of 2 $182,435

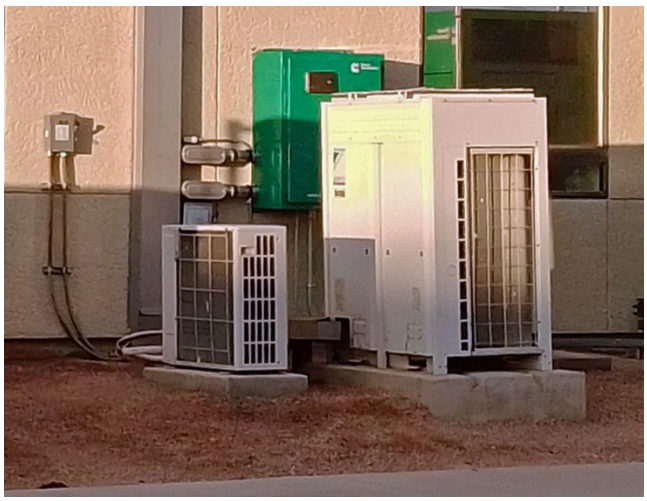
PROJECT DESCRIPTION / SCOPE OF WORK:

Due to ever increasing information technology, the server rooms in Wubben Science Building (#220) and the Health Sciences Building (buildings are attached) the cooling units are at capacity. These rooms house the building automation systems that control the security, building HVAC and other critical building functions. Because of the increased heat load the buildings are at risk of critical equipment failure.

Phase 1 would add two 10-ton air conditioning units to the Wubben Hall Server room. Phase 2 would add one 7-ton air conditioning unit to the Health Sciences Server room.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – One 7-Ton Unit	$151,833
Funded to Date:	**$0**	Project Balance:	**$151,833**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Two 10-Ton Units	**$182,435**	Project Total:	**$334,268**



Ref. No. Score **Funding Recommendation**

76 16 Department of Corrections

Improve Door Security, Cellhouse 3, CTCF, Ph 1 of 1 — $1,645,295

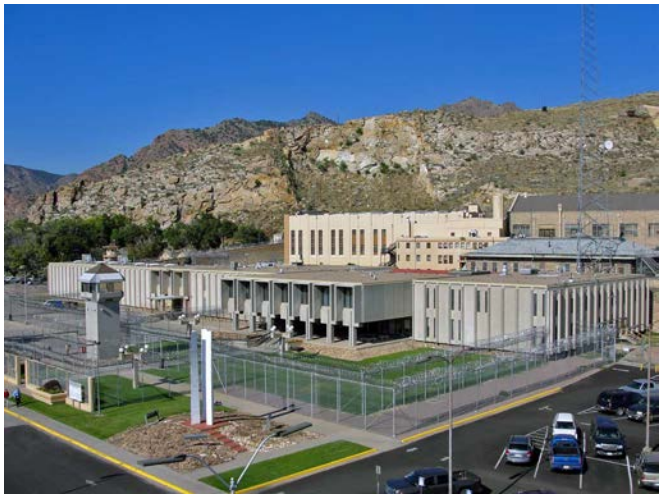
PROJECT DESCRIPTION / SCOPE OF WORK:

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,645,295**	Project Total:	**$1,645,295**



Ref. No. Score **Funding Recommendation**

77 16 Morgan Community College

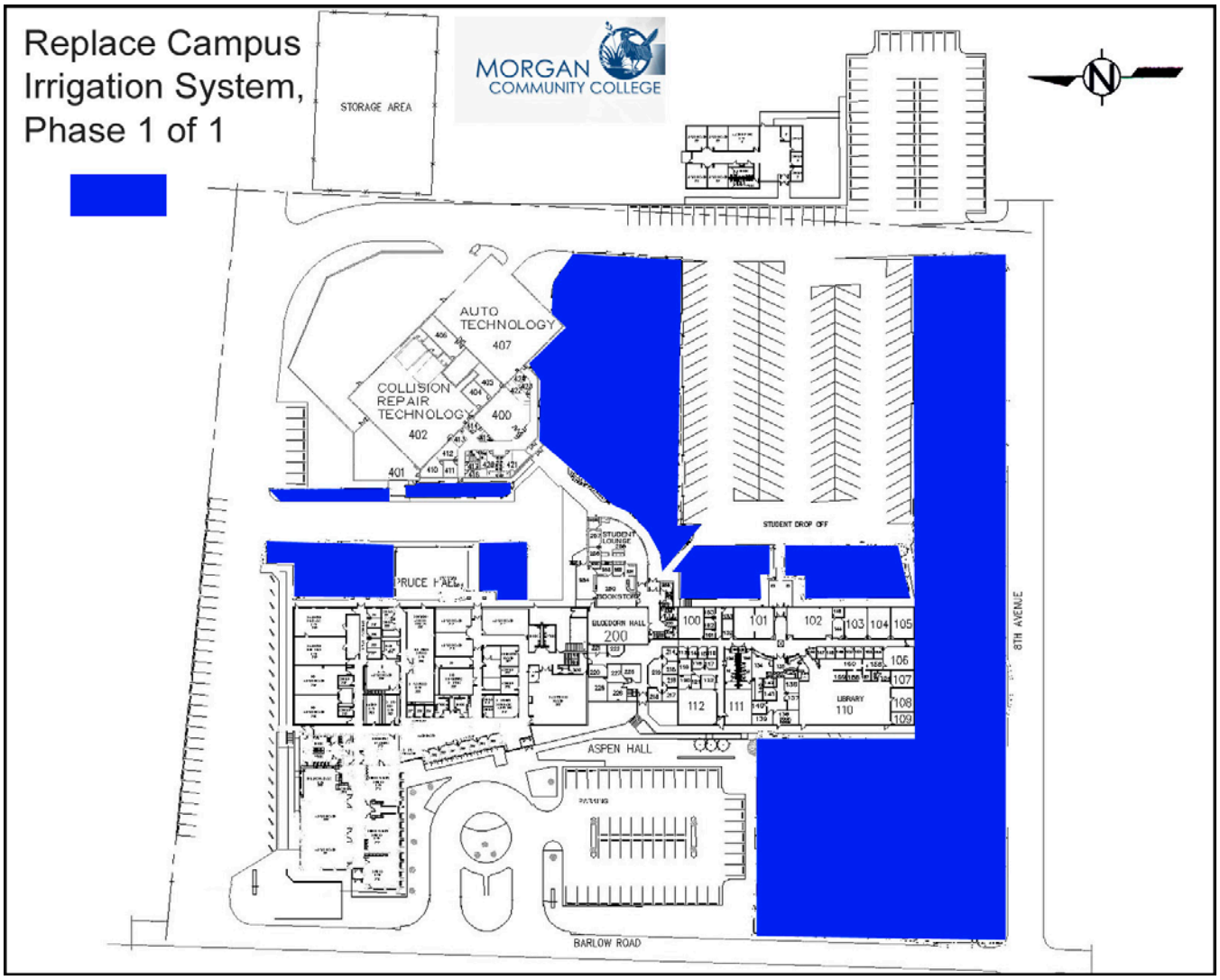
Replace Campus Irrigation System, Ph 1 of 1 **$1,238,903**

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:**	
FY21/22: Ph 1	**$1,238,903**	Project Total:	**$1,238,903**



Ref. No. Score **Funding Recommendation**

78 18 Fort Lewis College

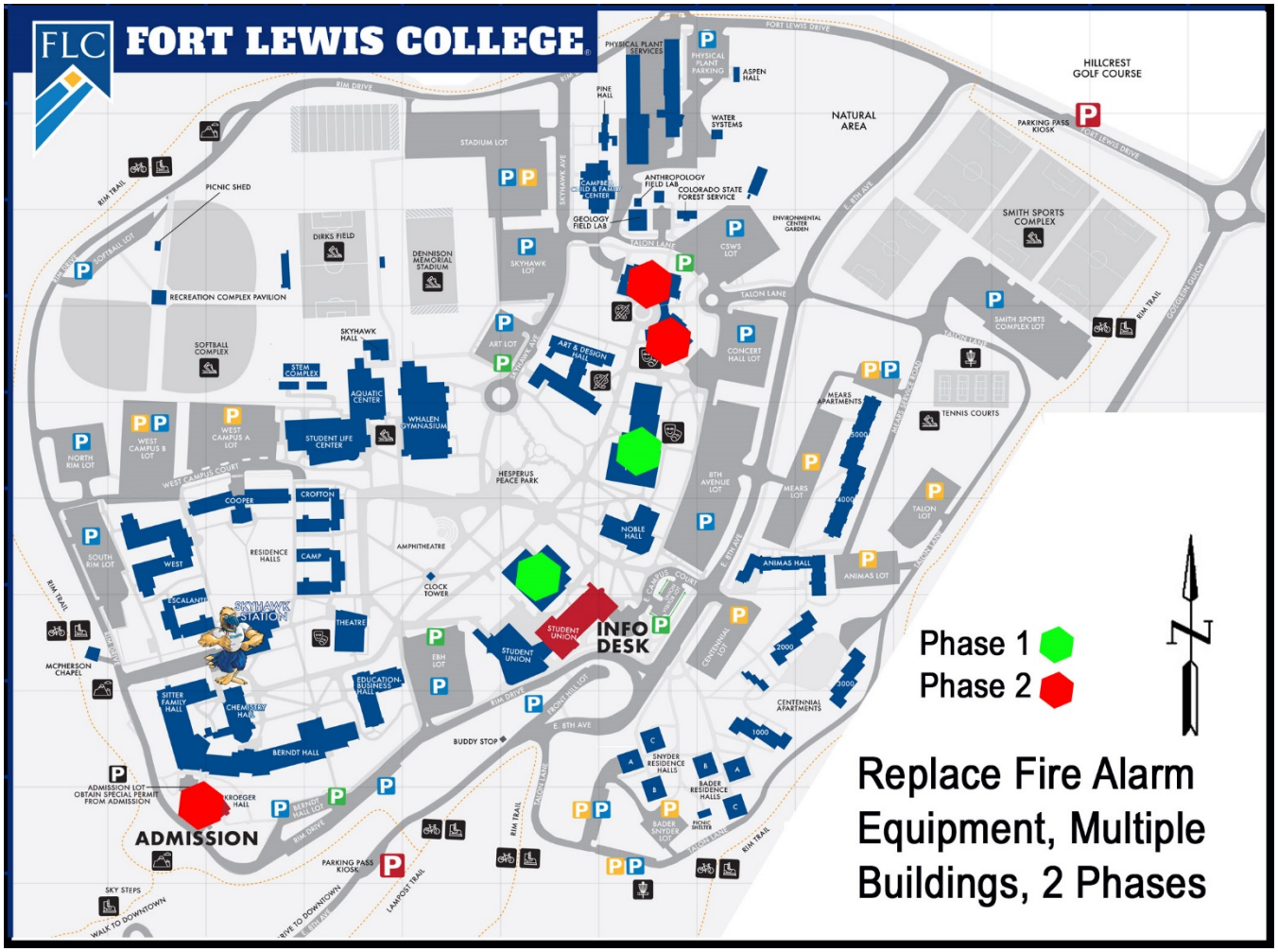
Replace Fire Alarm Equipment, Multiple Buildings, Ph 1 of 2 **$1,477,247**

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:**	
		FY22/23: Ph 2 – Three Buildings	$1,318,971
Funded to Date:	**$0**	Project Balance:	**$1,318,971**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Two Buildings	**$1,477,247**	Project Total:	**$2,796,218**



Ref. No. Score **Funding Recommendation**

79 18 Department of Human Services

Refurbish Ash Conveyor System, Heat Plant, CMHIP, Ph 1 of 2 — $1,860,384

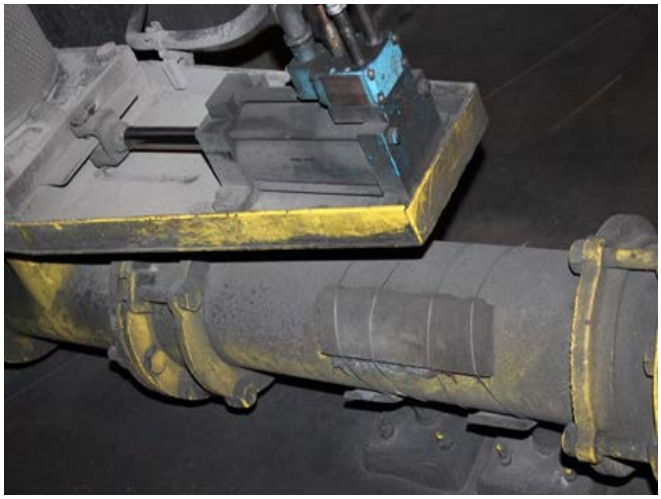
PROJECT DESCRIPTION / SCOPE OF WORK:

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. Most 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:**	
		FY22/23: Ph 2 - Blowers, Valves, Separator	$1,860,794
Funded to Date:	**$0**	Project Balance:	**$1,860,794**
Current Phase:		**All Phases:**	
FY21/22: Ph 1- Piping, Valves, Grinders	**$1,860,384**	Project Total:	**$3,721,178**



Ref. No. Score **Funding Recommendation**

80 18 Auraria Higher Education Center

Replace Main Electrical Switchgear, Campus, Ph 1 of 1 — $1,263,359

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 more than 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,263,359**	Project Total:	**$1,263,359**

Ref. No. Score **Funding Recommendation**

81 18 Adams State University

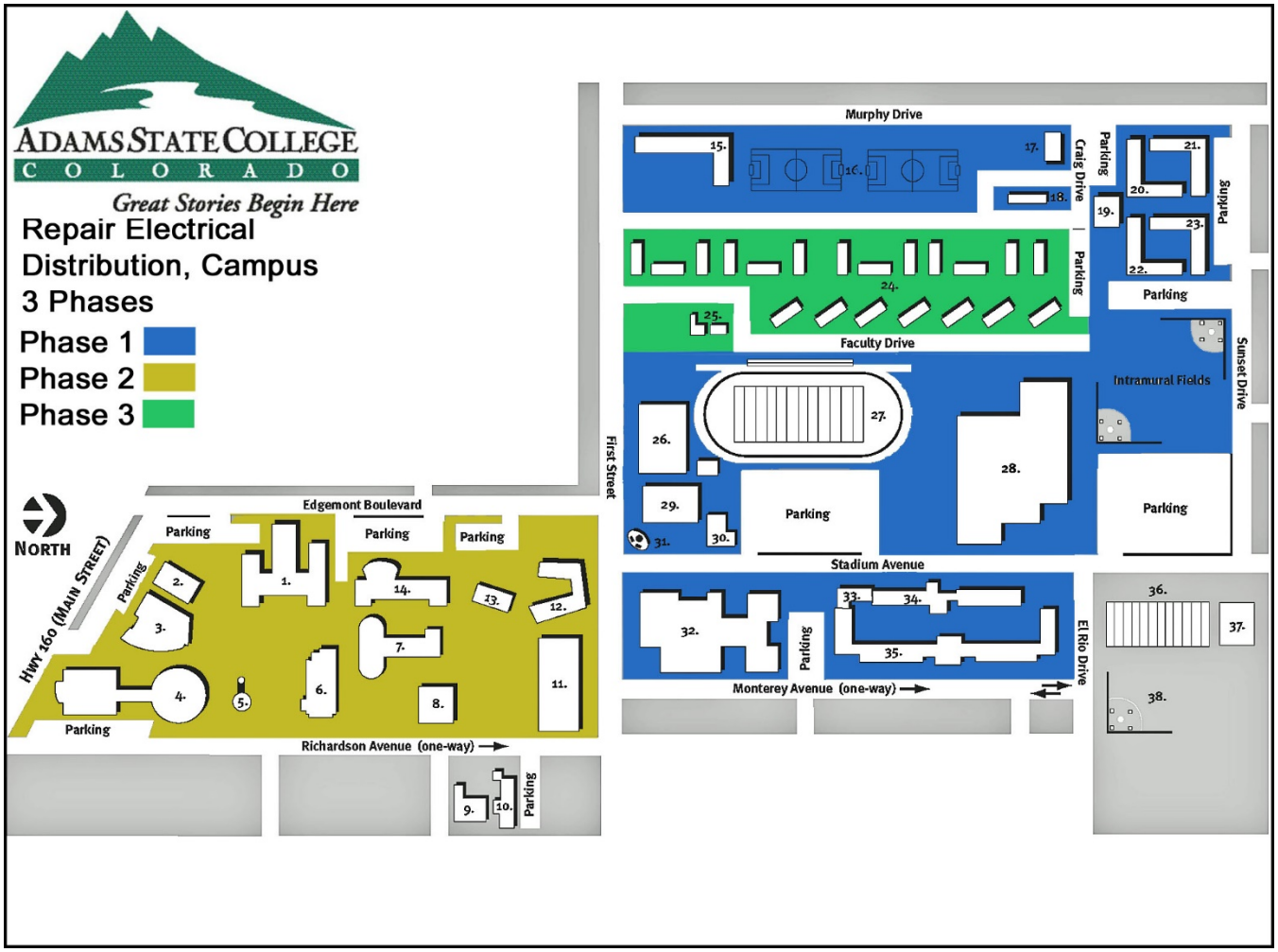
Repair Electrical Distribution, Campus, Ph 1 of 3 — $1,635,526

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 3 switchgear units, 11 transformers, 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:**	
		FY22/23: Ph 2 – Switchgears & Transformers	$1,476,150
		FY23/24: Ph 3 – Switchgears & Transformers	$497,295
Funded to Date:	**$0**	Project Balance:	**$1,973,445**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Switchgears & Transformers	**$1,635,526**	Project Total:	**$3,608,971**



Ref. No. Score **Funding Recommendation**

82 18 Colorado State University

Refurbish Water Wells, Pumps, Ditches, ARDEC, Ph 1 of 1 — $1,090,497

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. CSU moved to the site in 1993, reusing much of the existing farm infrastructure dating from the 1950-1960s. The irrigation well "parts" and infrastructure are 40-60 years old and in need of refurbishment to improve water flow, prevent complete failure and maintain the school's water rights. There are numerous research projects on the site and failure of any one well would be catastrophic to academic programs and research.

The school has identified four top priorities: the Lockman North Well, the ARDEC Pond Supply System, the South Well Supply System., and the Stroh Pivot Supply System. The projects will consist of removal of existing pump houses, replacement of the well casing, motors, electric feed, electrical gear, and fracturing the well to regenerate the water flow. Additionally, the work will include repairing/replacing the distribution piping or water ditches. Improving the ponds, and associated components across the site.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,090,497**	Project Total:	**$1,090,497**

Ref. No. Score **Funding Recommendation**

83 18 Department of Human Services

Replace Roofs, Five Buildings, CMHIFL, Ph 1 of 3 $1,812,524

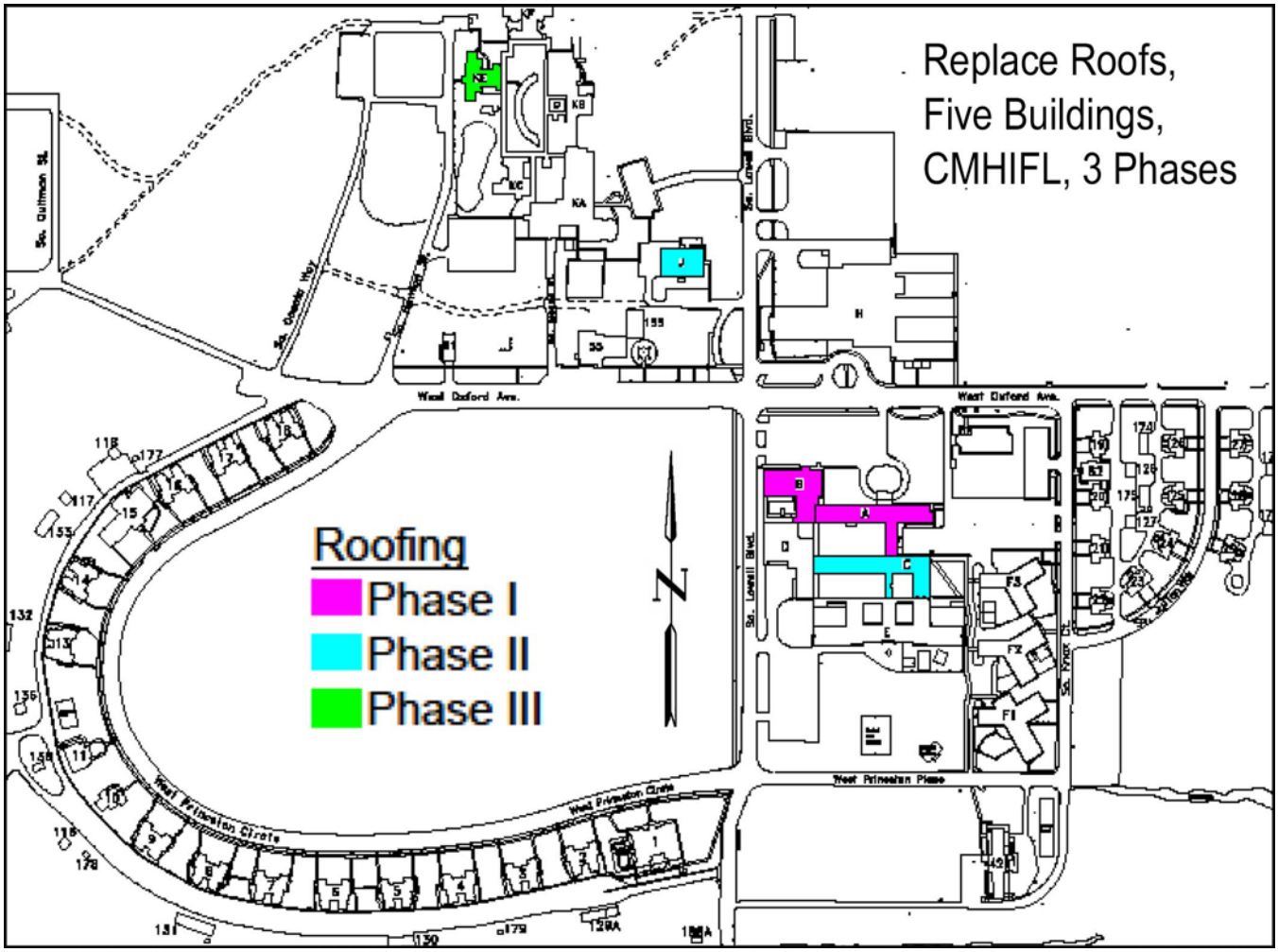
PROJECT DESCRIPTION / SCOPE OF WORK:

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 three phases at five 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 Built Up Roofing (BUR) on buildings A (HSFL1009) and B (HSFL1010) with a new BUR roofing system. Phase 2 will replace the BUR roof systems on building J plant (HSFL1018) and the BUR and modified bitumen roofing system on C (HSFL1011) with a new BUR roof system. Phase 3 will replace the BUR roof system on the KE building (HSFL1022) with new tapered insulation, and a new BUR roof system.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Buildings C and J	$1,955,444
		FY23/24: Ph 3 - Building KE	$655,819
Funded to Date:	**$0**	Project Balance:	**$2,611,263**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Buildings A and B	**$1,812,524**	Project Total:	**$4,423,787**



Ref. No. Score **Funding Recommendation**

84 18 Auraria Higher Education Center

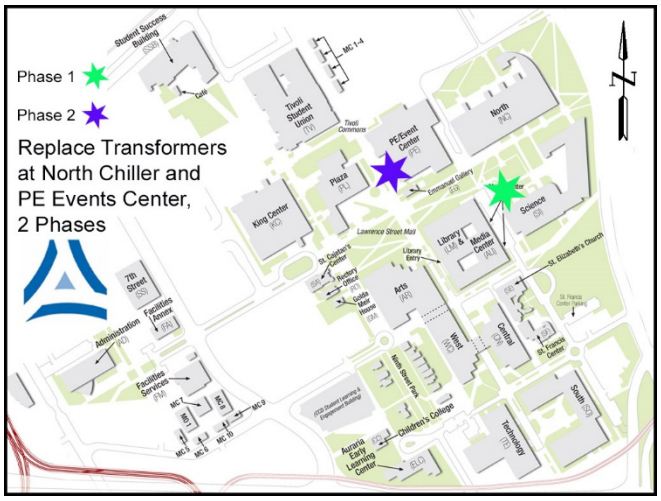
Replace Transformers at North Chiller and PE Events Center, Ph 1 of 2 $253,880

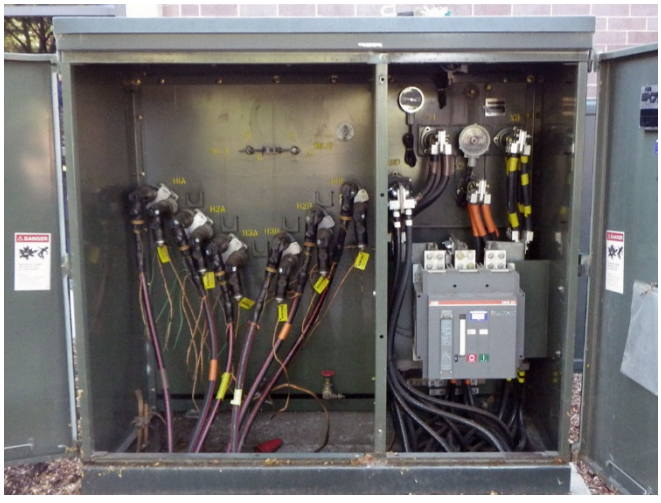
PROJECT DESCRIPTION / SCOPE OF WORK:
The transformers for these buildings were installed between 1976 and 1977. The useful life expectancy is 35 years and all the transformers are approaching 40 plus years and reliability is a concern. The transformers are beginning to rust and leak which will eventually 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 (HEAU6209) which provides cooling to the Library, Science, and Arts Buildings. Phase 2 includes the PE Events Center (HEAU1211) which is a heavily scheduled building that is utilized for sporting as well as large gatherings.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - PE Events Center	$518,943
Funded to Date:	**$0**	Project Balance:	**$518,943**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - North Chiller	**$253,880**	Project Total:	**$772,823**





Ref. No. Score **Funding Recommendation**

85 20 Department of Human Services

Refurbish Secondary and Emergency Electrical Systems, Tier 1, CMHIP, Ph 1 of 3 $1,791,932

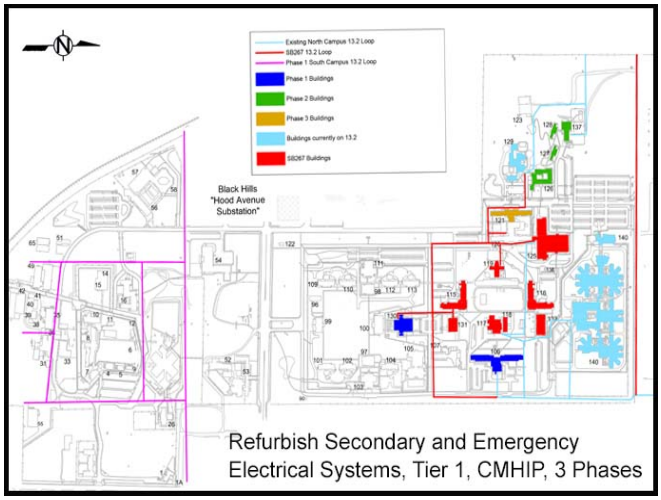
PROJECT DESCRIPTION / SCOPE OF WORK:

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:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Buildings 126, 127, 128, & 137	$1,799,470
		FY23/24: Ph 3 - Building 121	$1,780,499
Funded to Date:	**$0**	Project Balance:	**$3,579,969**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Southern Electric Loop	**$1,791,932**	Project Total:	**$5,371,901**



Ref. No. Score **Funding Recommendation**

86 20 Colorado Community College System at Lowry

Upgrade HVAC System, Building 905, Ph 1 of 1 — $1,994,717

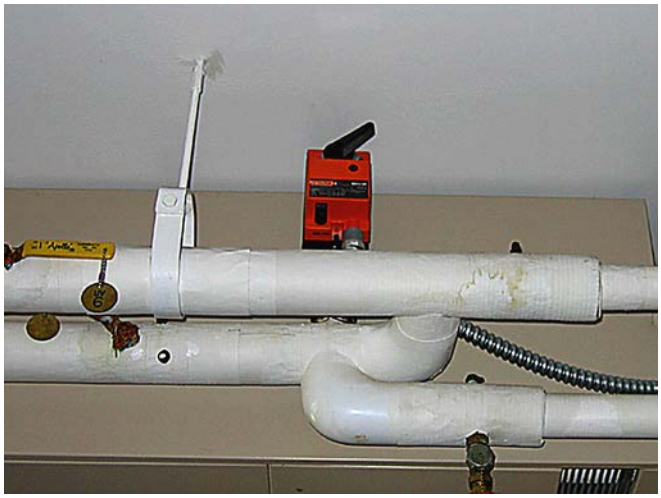
PROJECT DESCRIPTION / SCOPE OF WORK:

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 or 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 HVAC system, and replace roof-top units (RTUs) to reduce maintenance issues and increase energy conservation.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,994,717**	Project Total:	**$1,994,717**



Ref. No. Score **Funding Recommendation**

87 20 Department of Human Services

Replace Hydronic Valves, Southern District, Ph 1 of 2 $930,303

PROJECT DESCRIPTION / SCOPE OF WORK:
The Southern District has many facilities used to house and rehabilitate individuals for improved mental health. The existing hydronic 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 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.

This is a two-phase project to replace the control valves and pneumatic actuators at various locations due to the existing equipment's age. 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:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Buildings 119 and 120	$1,138,929
Funded to Date:	**$0**	Project Balance:	**$1,138,929**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Building 121	**$930,303**	Project Total:	**$2,069,232**

Ref. No. Score **Funding Recommendation**

88 20 Front Range Community College

Replace HVAC System and Controls, Challenger Point, Larimer Campus, Ph 1 of 1 $1,164,328

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,164,328**	Project Total:	**$1,164,328**

Ref. No. Score **Funding Recommendation**

89 20 Department of Human Services

Repair/Replace Sewer and Steam Producers, CMHIFL, Ph 1 of 3 **$1,794,921**

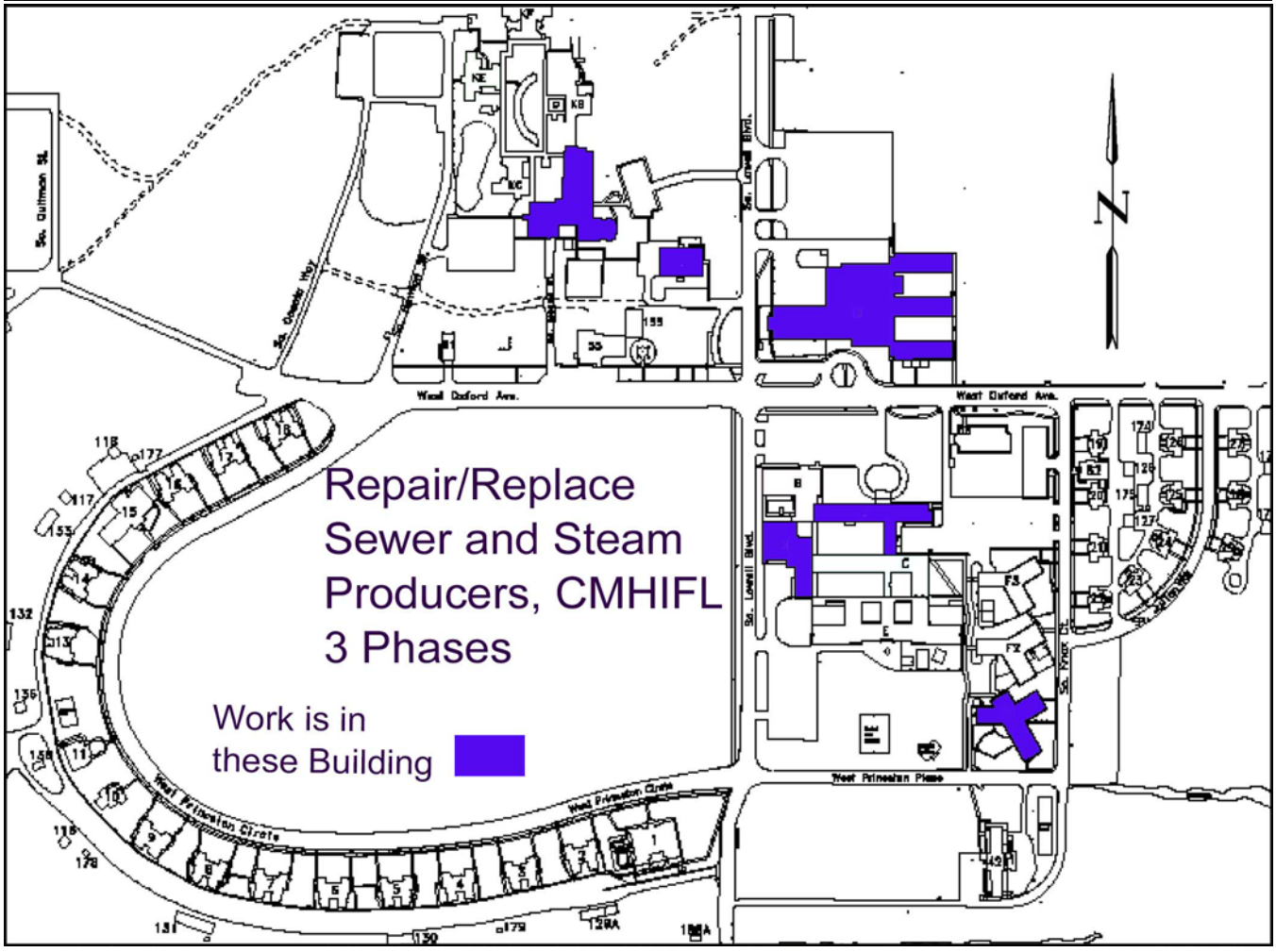
PROJECT DESCRIPTION / SCOPE OF WORK:

The sewer lines in H building have deteriorated or cracked from years of harsh chemicals and daily use. The D building houses the hospital kitchen and the sewer lines that serve this building have severely deteriorated because of high use including food waste products. This project will address the continued removal of equipment off the high temperature hot water system, fed by the 55+ year old high temp hot water central plant system, with an eventual goal of decommissioning the central plant. The high temp hot water systems are old technology and are both becoming more difficult to find replacement parts for and even more challenging is the difficulty to find qualified staff to operate the equipment. If this hot water system should go down the campus would also be shut down affecting service to clients and staff. This project will replace the plant with a smaller redundant system for the hospital buildings and allow each building to be independent from one another reducing complete failure of the facility if the main plant were to fail. The new steam generators will become the replacement for the high temp steam producers located in buildings A (HSFL1009), D (HSFL1012), H (HSFL1017), F1 (HSFL1014), J (HSFL1018) and K complex. This approach will enable a path to build redundancy into the campus base building systems using modern technology, more energy efficient assemblies and safer more common systems.

Phase 1 will be the design and replacement of steam producers, chiller, and related HVAC equipment in the H building. Phase 2 will be the design and replacement of sanitary sewer lines in H and D buildings and the design and replacement of the steam producers that feed A and D building equipment. Phase 3 will be the design and replacement of the steam producers that feed building F1 the K building complex and J building.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – A, D, and H Buildings	$1,788,941
		FY23/24: Ph 3 – F1, J, and K Buildings	$1,664,061
Funded to Date:	**$0**	Project Balance:	**$3,452,552**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – H Building	**$1,794,921**	Project Total:	**$5,247,473**



Ref. No. Score **Funding Recommendation**

90 21 Department of Corrections

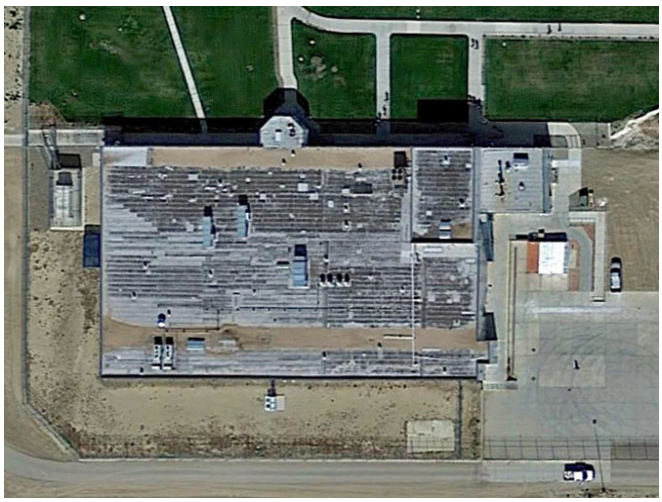
Roof Replacement, Program and Support Buildings, TCF, Ph 1 of 1 $1,817,067

PROJECT DESCRIPTION / SCOPE OF WORK:
The Trinidad Correctional Facility (TCF) houses 500 offenders in a Level ll 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 wall finish 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,817,067**	Project Total:	**$1,817,067**



Ref. No. Score **Funding Recommendation**

91 21 Fort Lewis College

Replace Roof, Aquatic Center, Ph 1 of 1 — $988,299

PROJECT DESCRIPTION / SCOPE OF WORK:
The existing roof over the Aquatic Center (HEFL1285) needs 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 to comply with current OSHA fall protection requirements.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$988,299**	Project Total:	**$988,299**

Ref. No. Score **Funding Recommendation**

92 21 University of Colorado Colorado Springs

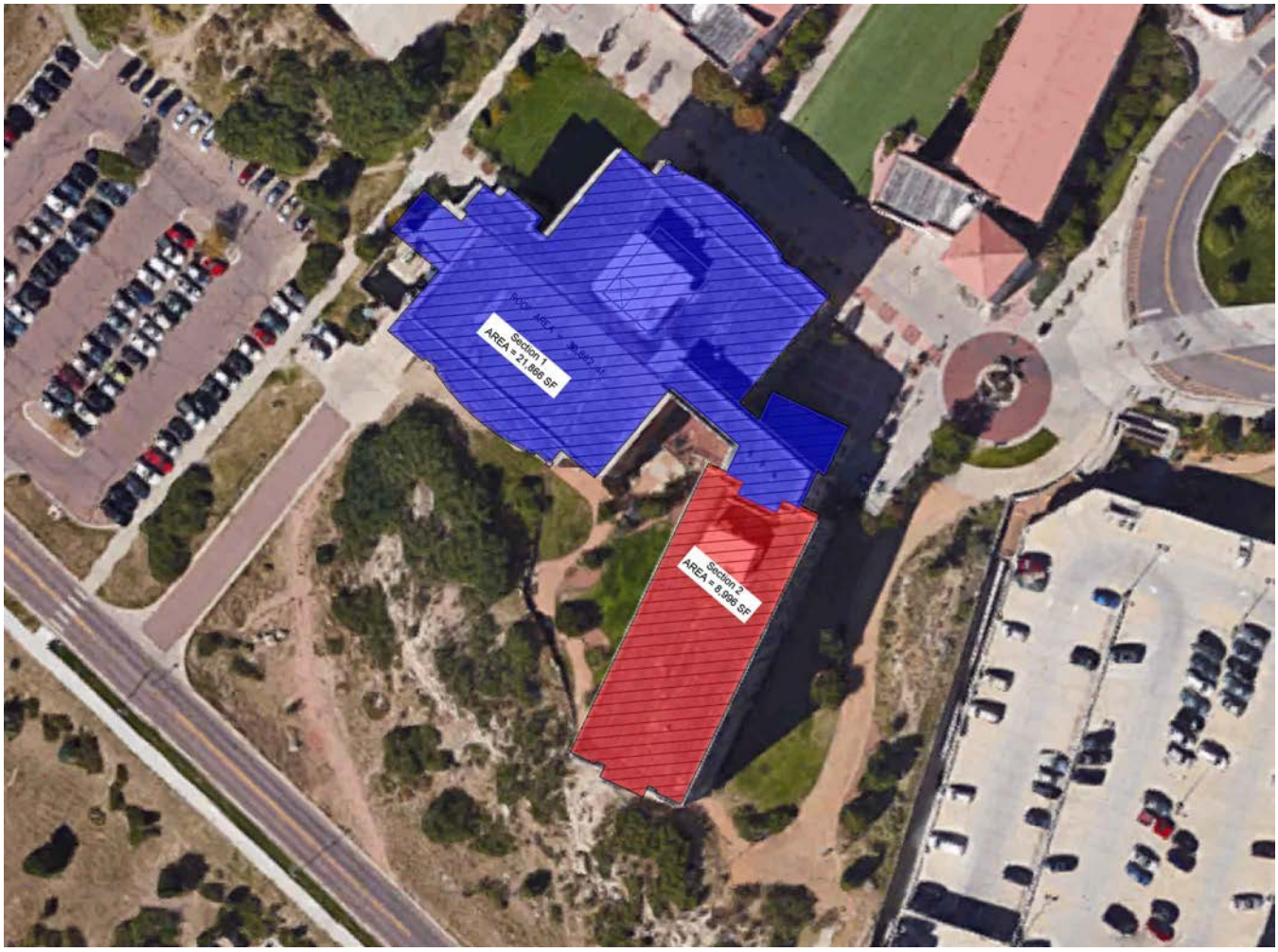
Replace Roof, Columbine Hall, Ph 1 of 2 — $943,666

PROJECT DESCRIPTION / SCOPE OF WORK:
Columbine Hall (UCCS #90015) was constructed in 1997. 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 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 sf as shown on the roof plan below.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Section 2	$375,547
Funded to Date:	**$0**	Project Balance:	**$375,547**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Section 1	**$943,666**	Project Total:	**$1,319,213**



Ref. No. Score **Funding Recommendation**

93 21 Department of Human Services

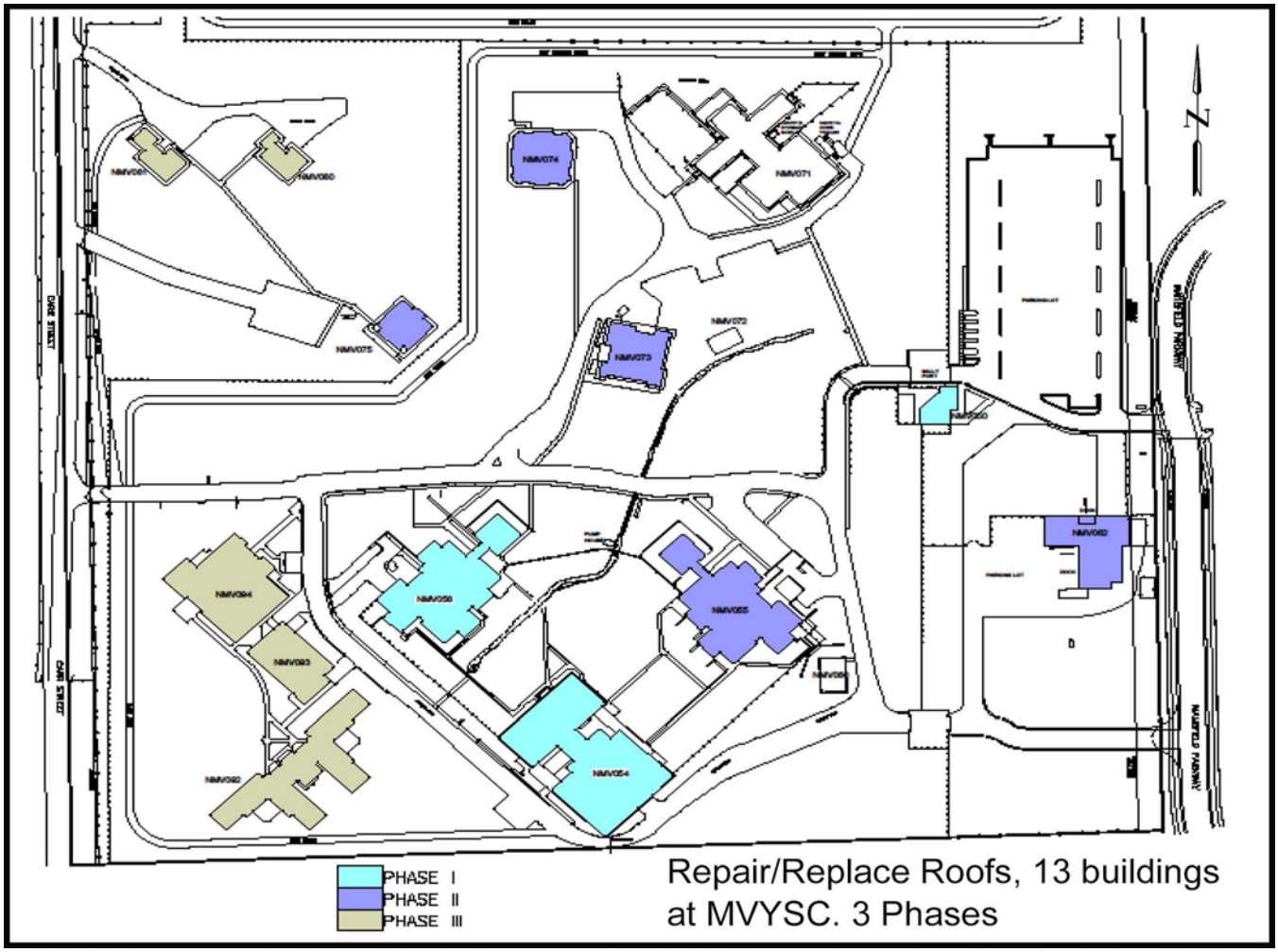
Repair/Replace Roofs, 13 buildings at Mount View Youth Services Center, Ph 1 of 3 **$1,778,495**

PROJECT DESCRIPTION / SCOPE OF WORK:
Mount View Youth Services Center (MVYSC) is a secure, co-ed, multi-purpose facility. The buildings at this campus in this request range from vintage 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 which is causing internal leakage creating safety and security issues. The continual patching and leakage 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 three buildings: Building 50 (HSMV4860), Building 54 (HSMV2931), Building 56 (HSMV2930). Phase 2 will complete five buildings: Building 55 (HSMV2929), Building 62 (HSMV2918), Building 73 (HSMV2925), Building 74 (HSMV2924), Building 75 (HSMV2923). Phase 3 will complete five buildings: Building 80 (HSMV2910), Building 81 (HSMV2911), Building 92 (HSMV1474), Building 93 (HSMV4861), Building 94 (HSMV4895).

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - 5 Buildings	$1,718,220
		FY23/24: Ph 3 - 5 Buildings	$1,393,547
Funded to Date:	**$0**	Project Balance:	**$3,111,767**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - 3 Buildings	**$1,778,495**	Project Total:	**$4,890,262**



Ref. No. Score **Funding Recommendation**

94 24 Trinidad State Junior College

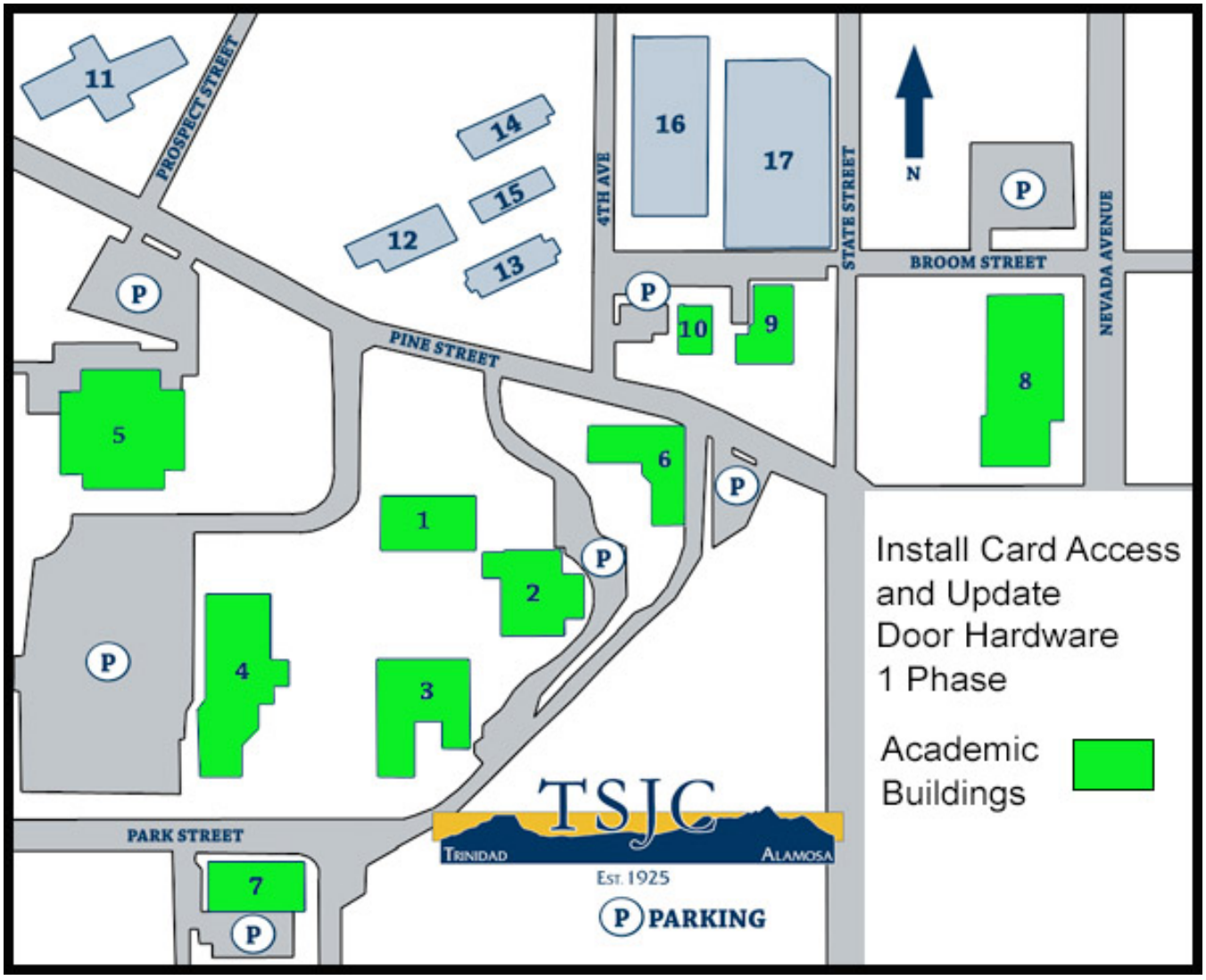
Install Card Access and Update Door Hardware, Ph 1 of 1 $173,484

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 will update the building access system utilizing student ID cards. Addition doors will be updated/replaced as needed to accommodate the access control system. This will 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:**	
FY21/22: Ph 1	**$173,484**	Project Total:	**$173,484**



Ref. No. Score **Funding Recommendation**

95 24 Pikes Peak Community College

Electrical Infrastructure Improvement, Rampart Range Campus Ph 1 of 1 $1,071,446

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 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:**	
FY21/22: Ph 1	**$1,071,446**	Project Total:	**$1,071,446**

Ref. No. Score **Funding Recommendation**

96 24 Lamar Community College

Replace Pumps, Controls, Valves, Campus Irrigation System, Ph 1 of 1 — $375,000

PROJECT DESCRIPTION / SCOPE OF WORK:
The irrigation system at LCC was installed around 1995. The cast iron piping has deteriorated and is 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 to be 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:**	
FY21/22: Ph 1	**$375,000**	Project Total:	**$375,000**

Ref. No. Score **Funding Recommendation**

97 24 University of Northern Colorado

Replace Roof, Arts Annex, Ross, and Skinner, Ph 1 of 1 $329,087

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$329,087**	Project Total:	**$329,087**

Ref. No. Score **Funding Recommendation**

98 24 Department of Corrections

Replace Roof, Minimum Living Unit, SCF, Ph 1 of 2 $1,013,343

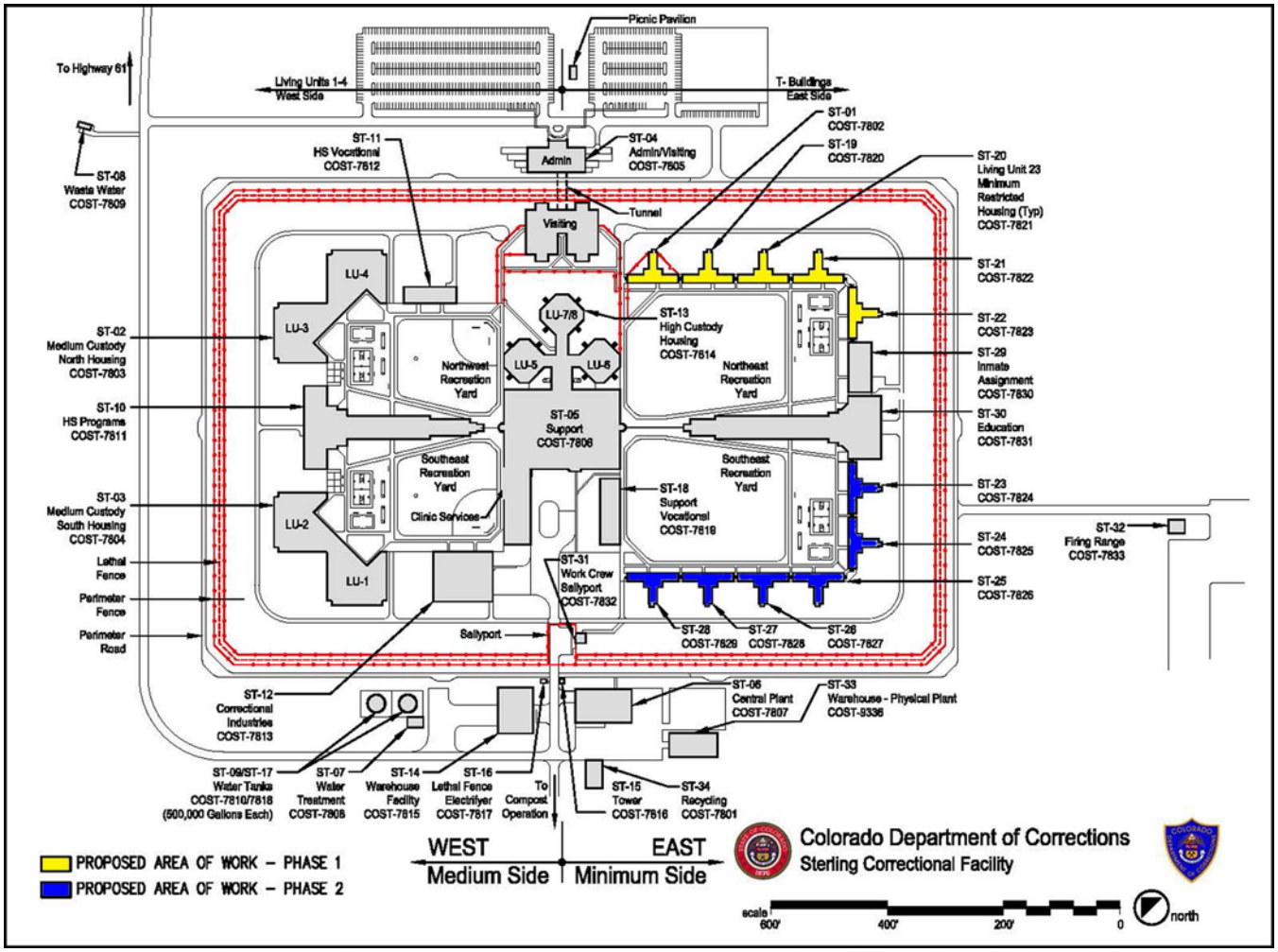
PROJECT DESCRIPTION / SCOPE OF WORK:

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 wall 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.

Phase 1 would address the living units 21-25 (COST7802), (COST7820), (COST7821), (COST7822), and (COST7823) as the bulk of the existing insulation is dry. Phase 2 would address the living units 31-36 (COST7829), (COST7828), (COST7827), (COST7826), and (COST7825). In Living Unit 21 the insulation is wet enough to warrant a complete roofing replacement. Based on audit findings, this project will include the replacement of the existing SBS modified bitumen roofing system with an asphalt built-up roof system. The new roofing is based on a minimum R-30- asphalt built-up roof system.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Living Units 31-36	$1,161,435
Funded to Date:	**$0**	Project Balance:	**$1,161,435**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Living Units 21 - 25	**$1,013,343**	Project Total:	**$2,174,778**



Ref. No. Score **Funding Recommendation**

99 24 Colorado Community College System at Lowry

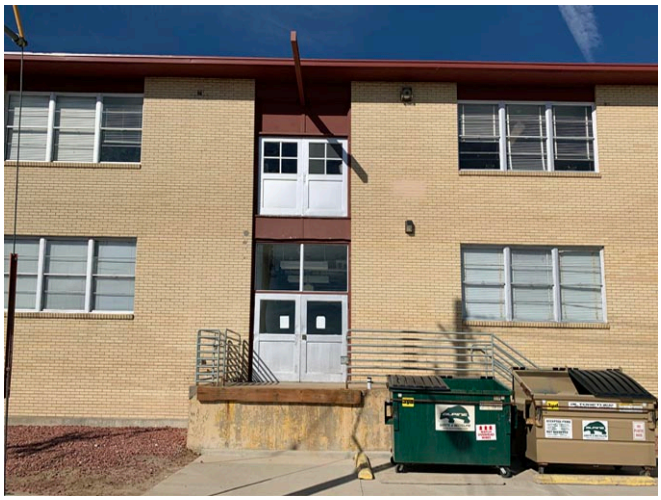
Install New Windows and Doors, Building 905, Ph 1 of 1 $922,358

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, do not seal, and need replaced. Because the windows do not 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 do not lock are a security concern. The doors also leak air and water because of the poor sealing. Because the windows are 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:**	
FY21/22: Ph 1	**$922,358**	Project Total:	**$922,358**



Ref. No. Score **Funding Recommendation**

100 27 Department of Human Services

Replace Gym Floors, Division of Youth Services, Ph 1 of 2 $1,026,342

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.

Phase 1 will address 27,405 sf of gym floors at Spring Creek (HSYS8161) (pictured below), Zebulon Pike (HSZE2840), Grand Mesa (HSGM2198), and Mount View (HSMV2931) Youth Services Centers. Phase 2 will repair the subsurface and replace the floors at Pueblo (HSPY2838), Lookout Mountain (HSLO2950), Gilliam (HSGM2198), Marvin Foote (HSMV2931), and Platte Valley (HSPV2837) Youth Centers.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 - Five Buildings	$1,107,076
Funded to Date:	**$0**	Project Balance:	**$1,107,076**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 - Four Buildings	**$1,026,342**	Project Total:	**$2,133,418**

Ref. No. Score **Funding Recommendation**

101 28 Colorado School of Mines

Remediate Campus Fall Hazard, Ph 3 of 3 — $518,211

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:		**Future Phasing:**	
FY18/19: Ph 1 - Various Buildings	$538,931		
FY19/20: Ph 2 - Various Buildings	$527,474		
Funded to Date:	**$1,066,405**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 3 - Various Buildings	**$518,211**	Project Total:	**$1,584,616**

Ref. No. Score **Funding Recommendation**

102 28 Department of Human Services

Security Cameras and Infrastructure, Colorado Mental Health Institute Pueblo(CMHIP), Ph 1 of 2 $1,016,050

PROJECT DESCRIPTION / SCOPE OF WORK:

Analog cameras and CCTV analog systems are no longer supported by vendors and the technology has migrated to digital IP technology. Thus, finding replacement units, parts and service from vendors is extremely difficult to obtain, if available at all. The Colorado Department Human Services (CDHS) Programs continues to request more camera coverage to the existing system on an ongoing basis to monitor patients, clients and juveniles. These systems are mission critical to the wellbeing and safety of both staff and patients. A single mode fiber will be installed for video connectivity between buildings and the "head-end" room. In the head-end room a rack of recording system with servers will be installed to provide roughly 35 days of recording capability along with a standby server. The single point server will allow Public Safety to manage the security of the system. Approximately 260 new cameras will be installed to replace old, outdated cameras. Each building's network switches will be provided with an emergency generator back-up power along with UPS equipment to ensure high reliability of the entire video system.

Phase 1 will involve the full design and installing the infrastructure. Phase 2 will involve installing the servers and cameras using the design from Phase 1.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Servers and Cameras	$1,443,875
Funded to Date:	**$0**	Project Balance:	**$1,443,875**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Design and Infrastructure	**$1,016,050**	Project Total:	**$2,459,925**

Ref. No. Score **Funding Recommendation**

103 28 Department of Human Services

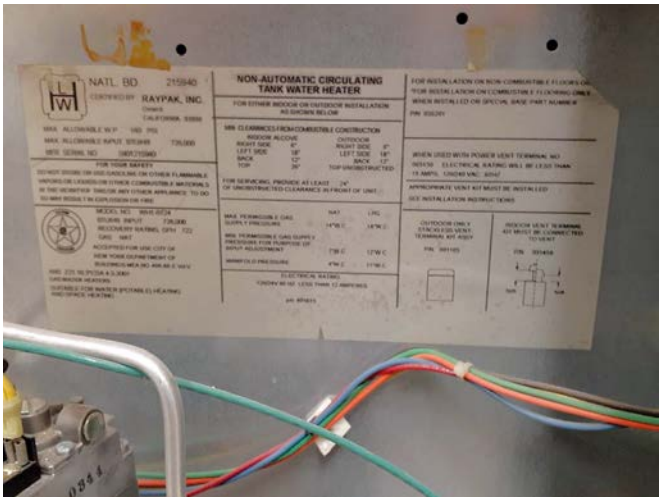
Domestic Hot Water System Upgrade, Grand Mesa Youth Services Center (GMYSC), Ph 1 of 1 $227,634

PROJECT DESCRIPTION / SCOPE OF WORK:
This project will replace most major components of the domestic hot water system at the Grand Mesa Youth Services Center (HSGM2198). The components of the domestic hot water supply system including the boiler, tanks, pumps, piping, and other associated parts are nearing or beyond their expected life cycle and are showing signs of deterioration. The hot water storage tank is original to the building (1987). Piping threaded into the tank has a small leak, but fear of compromising the old storage tank is preventing this repair from being made. The boiler was replaced in 2004.

This project will replace most major components of the domestic hot water system. This includes boiler, storage tank, associated pumps, controls, and piping.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$227,634**	Project Total:	**$227,634**



Ref. No. Score **Funding Recommendation**

104 30 Department of Public Safety

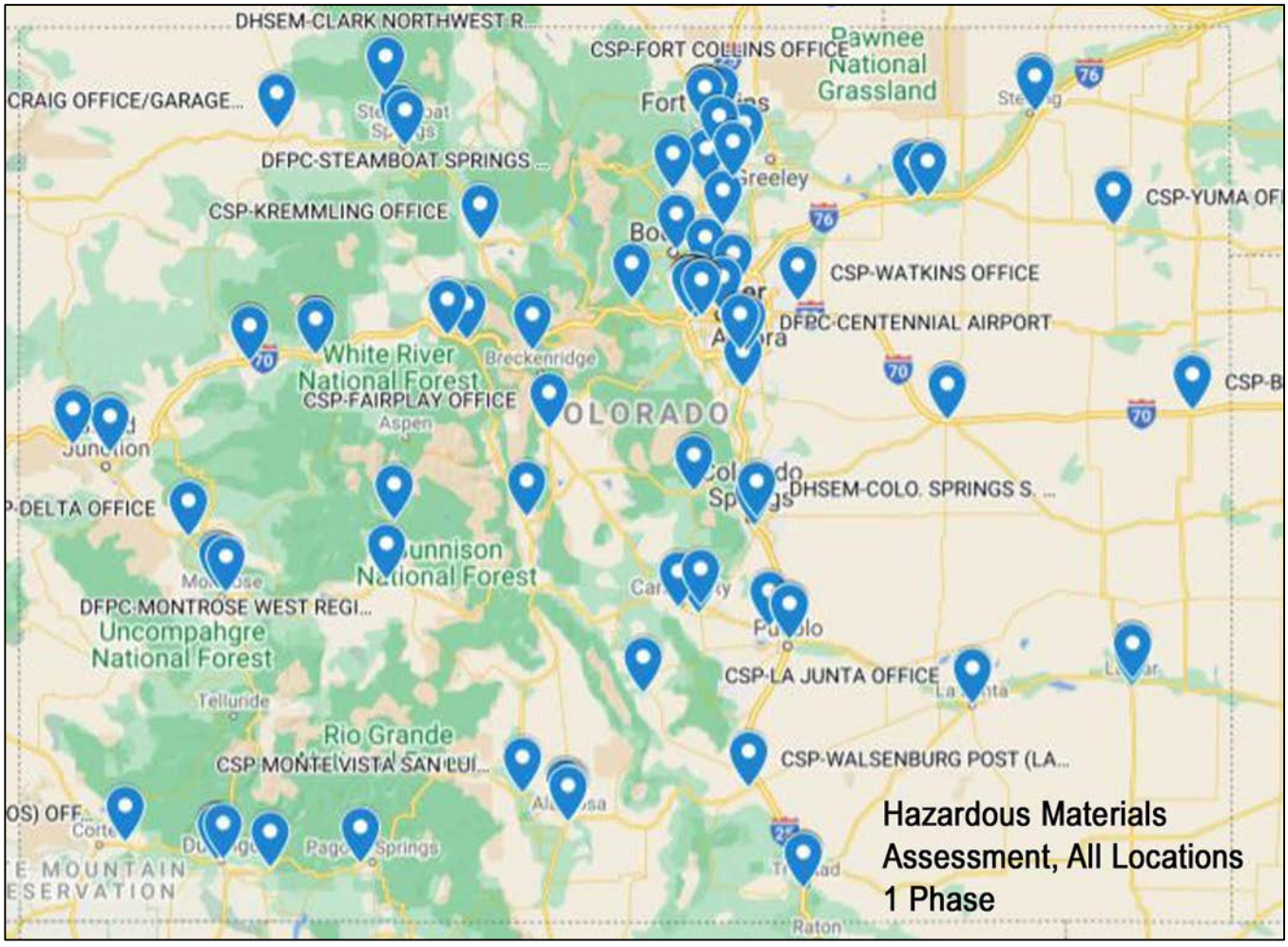
Hazardous Materials Assessment, All Locations, Ph 1 of 1 $766,996

PROJECT DESCRIPTION / SCOPE OF WORK:
This project is for a hazardous materials survey and assessment report for all CDPS owned locations. CDPS has over 60 buildings across the state. The oldest building was built in 1920. Over the past several years there have been numerous small emergency abatement projects required because of asbestos concerns identified during normal business operations. A recent emergency project at one of their facilities shut down a State Patrol Troop Office / Communication Center for over a month. This project will identify existing hazardous building materials and bring CDPS in compliance with CDPHE asbestos identification requirements.

The report will identify and recommend management plans for potential construction work, normal business operations, and provide safe working offices for CDPS staff and the visiting public.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$766,996**	Project Total:	**$766,996**



Ref. No. Score **Funding Recommendation**

105 30 Colorado State University

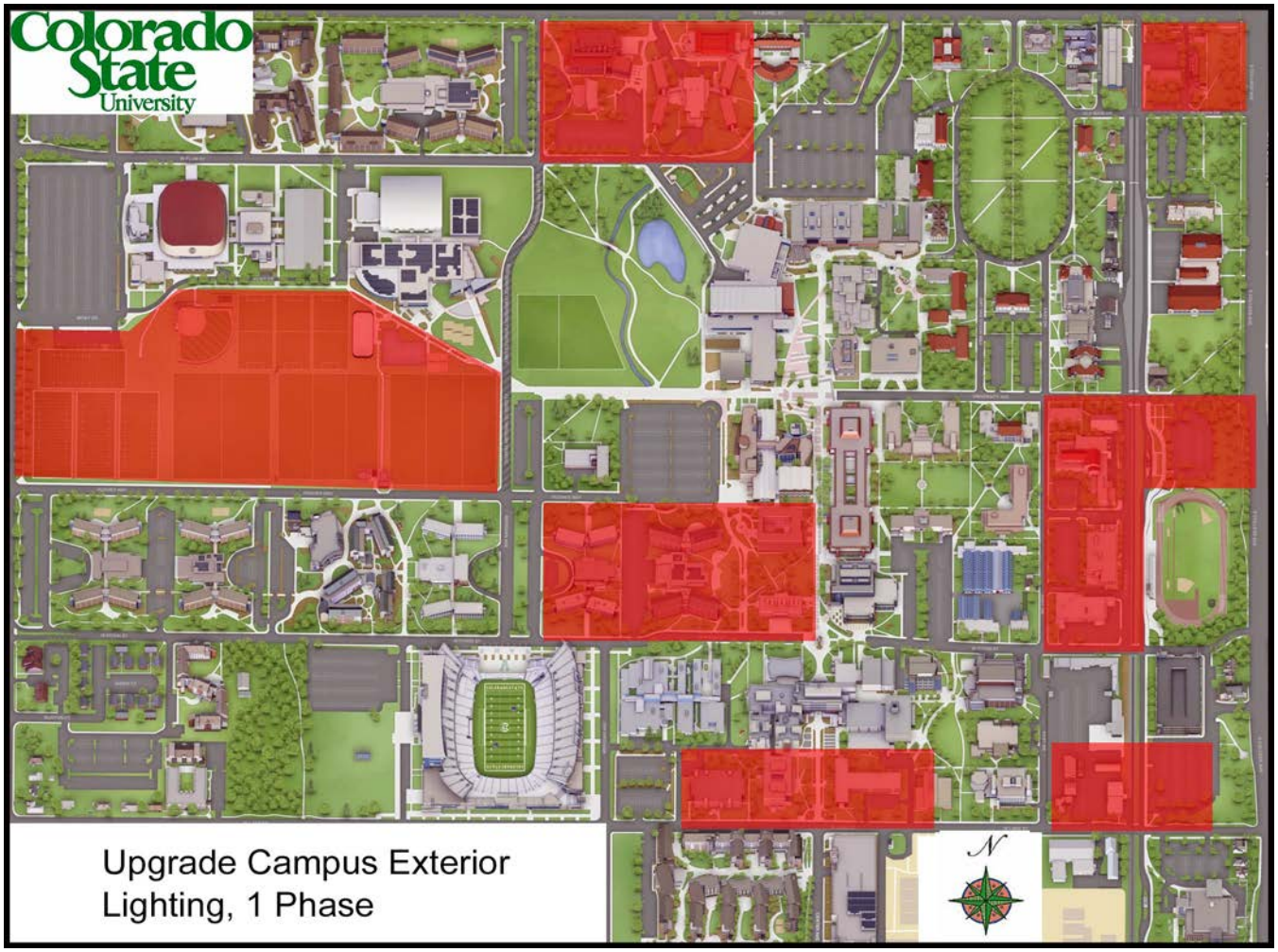
Upgrade Campus Exterior Lighting, Ph 1 of 1 — $580,152

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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$580,152**	Project Total:	**$580,152**



Ref. No. Score **Funding Recommendation**

106 36 History Colorado

Paint High Bridge, Georgetown Mining and Railroad Park, Ph 1 of 1 $694,361

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 (HEHS4475) built 1984, needs 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$694,361**	Project Total:	**$694,361**

Ref. No. Score **Funding Recommendation**

107 36 Colorado Mesa University

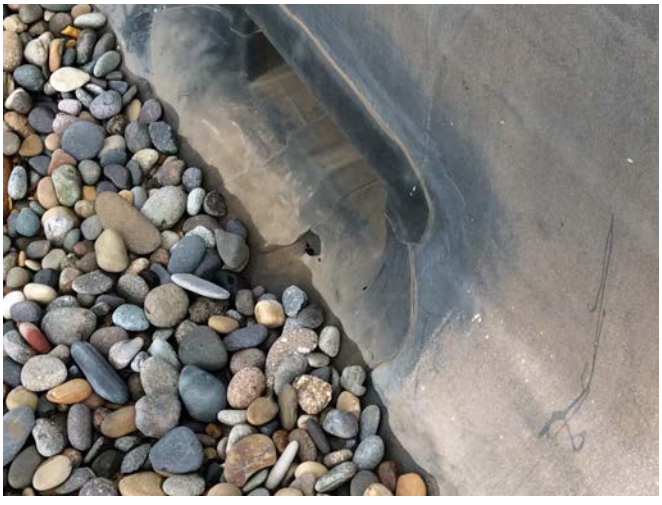
Replace Roof, WCCC Building A, Ph 1 of 1 $509,563

PROJECT DESCRIPTION / SCOPE OF WORK:
Installed in 1990, the Western Colorado Community College Campus Building A (CMU #7087) roof membrane has become stretched and is splitting in several locations allowing water infiltration. These leaks occasionally allow water into the electrical 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 will 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$509,563**	Project Total:	**$509,563**



Ref. No. Score **Funding Recommendation**

108 36 Colorado State University - Pueblo

Repair Roofs, Physical, Heat Plant, and Music Buildings, Ph 1 of 1 $1,209,913

PROJECT DESCRIPTION / SCOPE OF WORK:
The roofs of the Physical Plant (HESC1257), Heat Plant (HESC1247), and Music (HESC1252) roofs are at the end of their life cycle and in need of replacement. Numerous patches have extended the life of the roofs but the repairs are temporary, and the roof still needs need replacement. The Physical Plant building and the Heat Plant building support the entire facilities staff that keep the entire campus operational. The Music building supports all academic music programs.

This project will replace the roofs and associated gutters and downspouts.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$1,209,913**	Project Total:	**$1,209,913**

Ref. No. Score **Funding Recommendation**

109 45 Colorado Mesa University

Replace Lighting Control, Houston Hall, Ph 1 of 1 — $125,089

PROJECT DESCRIPTION / SCOPE OF WORK:
The lighting control system in the 80,940 sf Houston Hall (CMU #213) is failing, and the system has been discontinued by the manufacturer. In 2019 parts had to be ordered from Australia but that source is no longer available. Since 2019 numerous classes have had to be relocated due to non-operational lighting.

This project will replace the lighting controls throughout the building.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$125,089**	Project Total:	**$125,089**

Ref. No. Score **Funding Recommendation**

110 45 Front Range Community College

Replace Roof, Main Building, Westminster Campus, Ph 1 of 3 $1,908,277

PROJECT DESCRIPTION / SCOPE OF WORK:
Most portions of the Main Building Offices and Classrooms (HEFR0750) and Campus Center (HEFR0751) are 25 years old and have failed in different areas over the last five years, resulting in loss of academic space and damage to computers and equipment until repaired. A consultant's report indicated there are large blister delamination's around all asphalt flashings, open flashing seams due to age, wind scour of surfaces, insufficient insulation, and other roof deficiencies. The work will repair/replace the ballasted, low slope asphalt BUR (Built Up Roof) with a modified built up roof that is PV ready, and add R-30 insulation to meet current code for energy efficiency. The existing ballast no longer meets code so ballast will need to be removed when the modified built up is put in place. Additionally, the school plans to self-fund a photovoltaic system not to exceed 500KW on the repaired roof.

This request is to repair the roof in three phases as indicated on the site plan below. Phase 1 will replace approximately 68,036 SF of the 146,631 SF main ballasted roof. The first phase of the roof replacement will focus on replacing roof decks 6, 7, 8, 9, 16, 17, & 18. Phase 2 continues the work. Phase 3 finishes the work.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
		FY22/23: Ph 2 – Additional Sections	$1,531,555
		FY23/24: Ph 3 – Final Sections	$408,329
Funded to Date:	**$0**	Project Balance:	**$1,939,884**
Current Phase:		**All Phases:**	
FY21/22: Ph 1 – Design and Initial Sections	**$1,908,277**	Project Total:	**$3,848,161**

Ref. No. Score **Funding Recommendation**

111 48 Colorado Mesa University

Replace Roof, Wubben/Science Building, Ph 1 of 1 — $350,594

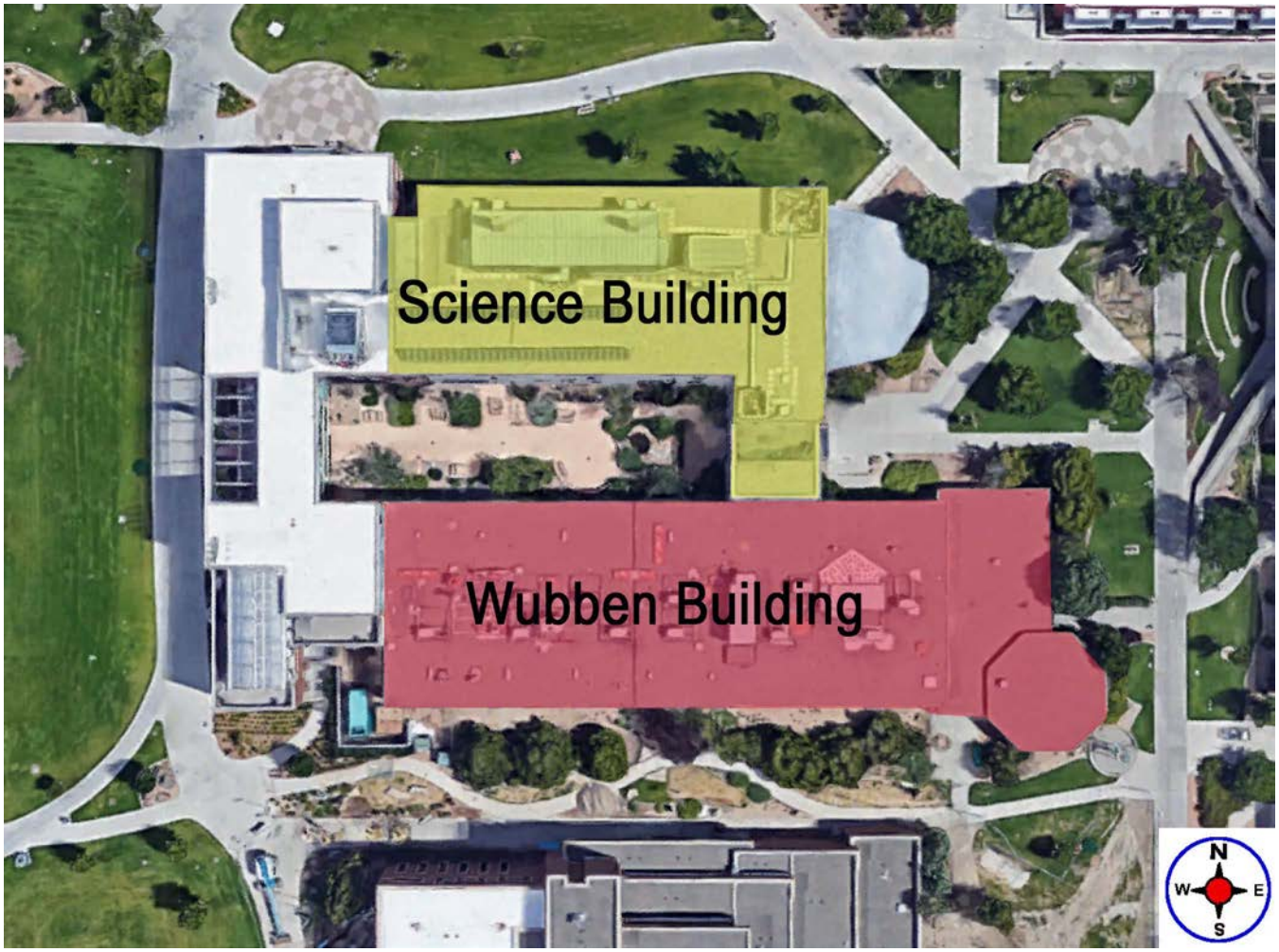
PROJECT DESCRIPTION / SCOPE OF WORK:

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 21-year-old roof is a ballasted membrane that has begun to leak on a more consistent basis over the last four years, potentially causing major damage to sensitive lab equipment below. Most recent roof repairs are due to numerous low spots that create standing water and over time cause damage and deterioration at the joints where the roofing wraps up the parapet walls. CMU Facilities Services has responded to 23 separate roof repair work orders since 2015.

The solution is to remove the ballast and existing membrane roof and replace it 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$350,594**	Project Total:	**$350,594**



Ref. No. Score **Funding Recommendation**

112 54 Front Range Community College

Replace Roof, Challenger Point, Larimer Campus, Ph 1 of 1 $232,161

PROJECT DESCRIPTION / SCOPE OF WORK:
The Challenger Point (HEFR0758) white coated Ethylene Propylene Diene Monomer (EPDM) roof is at the end of its life, deteriorating and is proving costly to repair. Challenger Point is a two-story building and is one of the primary classroom buildings on campus. It contains a wet-laboratory space for Biology and Physics, contains several computer labs, classrooms for the sciences and general academics and academic office and support space. It also contains the largest auditorium/lecture hall space on campus which accommodates 94 occupants with tiered floors and built in tables. The roofing material is an adhered 60 mil reinforced Hypalon roof system, and it is noted that little Hypalon roofing is still sold in the US. The product had a hard time dealing with pollution and mild acid rain. The 2015 roof audit identifies areas of concern including: water ponding, leaks, cracked plastic skylights and wear under concrete pavers. All these issues have contributed to roof leaks. The addition of insulation to the roof will improve the energy efficiency of this building.

This one phase project will replace the roof and add additional insulation per building codes.

PROJECT FUNDING:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$232,161**	Project Total:	**$232,161**

Ref. No. Score **Funding Recommendation**

113 56 Colorado Mesa University

Improve Building Envelope, AEC and Wubben/Science Buildings, Ph 1 of 1 $643,271

PROJECT DESCRIPTION / SCOPE OF WORK:
The Archuleta Engineering Center (AEC) (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 rainwater 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:

Prior Phasing:		**Future Phasing:**	
Funded to Date:	**$0**	Project Balance:	**$0**
Current Phase:		**All Phases:**	
FY21/22: Ph 1	**$643,271**	Project Total:	**$643,271**