

FY 2013-14 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
1.10 1995-048	CCF	\$2,000,000
Personnel and Administration		
<i>Controlled Maintenance Emergency Account</i>		
<p>The project funds the Controlled Maintenance Emergency Account, which is administered by the Office of the State Architect for emergency projects on an as-needed basis throughout the fiscal year. Criteria for requests for emergency funding are: (1) a need that is immediate in nature; and (2) a problem that directly affects the health, safety, and welfare of the public and day-to-day operations of the agencies. Requests may involve systems and fixed equipment critical to the functionality of a facility, but cannot involve movable equipment, furniture, and fixtures related to the programmatic activities conducted in the facility.</p>		
3.10 2014-036	CCF	\$593,483
University of Colorado at Boulder		
<i>Mountain Research Station Wildfire Mitigation</i>		
<p>The project mitigates the risk of wildfire by reducing the amount of combustible fuels, especially mature lodge pole pines, near structures and improving the fire protection water supply and emergency access to the site. The research station is located near Ward. The project will address difficult terrain to improve emergency evacuation routes and allow for quicker emergency response to fire. Additionally, the fuels mitigation will limit a surface fire from becoming an uncontrollable crown fire.</p>		
4.10 2012-039	CCF	\$200,376
Colorado Historical Society		
<i>Georgetown Loop Railroad Wildfire Mitigation</i>		
<p>The two-phase project mitigates fire risk in the railroad park through the removal of vegetation near structures and logging high-hazard trees such as those killed by the pine beetle infestation. The Colorado Historical Society contracted with an environmental company in 2009 to complete a Georgetown Loop Forest Management Plan. The plan identified nearly 132 acres in the park that are considered to be high to extreme fire hazards. This year's request for Phase II completes the work initiated in Phase I and focuses on the eradication of Chinese Clematis, an invasive plant species prevalent along Interstate 70 and U.S. Highway 6.</p>		
4.20 2011-069	CCF	\$772,063
Human Services		
<i>Upgrade Electronic Security Systems</i>		
<p>The six-phase project replaces the existing manual security controls with computer-programmable security systems in eight facilities in the youth corrections system. According to the department, the new systems will integrate voice communications, locking and exiting controls, visual security and digital recording, and a secure key system with personnel use tracking and monitoring functions. This year's request for Phase IV completes upgrades initiated in Phase III to the system at the Lookout Mountain Youth Services Center. Phase I designed the project for all sites and installed a new system at the Marvin Foote Youth Services Center. Phase II upgraded the systems at the Platte Valley and the Spring Creek Youth Services Centers. Phases V and VI will continue upgrades in four additional facilities.</p>		
4.30 2014-037	CCF	\$971,406
Personnel and Administration		
<i>Upgrade Public Restrooms and Wheelchair Lifts for ADA Compliance, State Capitol Building</i>		
<p>The project makes upgrades to the public restrooms in the basement of the State Capitol building and to the chair lifts located outside the House and Senate Chambers in order to comply with current ADA accessibility standards. The basement restrooms are not ADA compliant and the chair lifts located outside the House and Senate Chambers do not support the design of some wheelchairs currently in use. The project also repairs some plumbing lines and fixtures in the basement restrooms. These restrooms are the primary public restrooms in the building, and the only public restrooms that allow wheelchair access. The chairlifts provide the only wheelchair access to the House and Senate Chambers.</p>		

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Project Title	Fund Source	Amount
4.40 2014-038	CCF	\$1,277,931
Corrections		
<i>Replace Electrical System, Units 1-6, Arkansas Valley Correctional Facility</i>		
<p>The two-phase project replaces buried electrical cable with new conduit wire and electrical equipment in all six housing units at the Arkansas Valley Correctional Facility. It also replaces electrical panels, gutters, and junction boxes damaged by water infiltration from leaking plumbing fixtures. An earlier controlled maintenance project funded in FY 2009-10 assessed the damage to the electrical system and designed repairs. This year's request for Phase I replaces the buried underground cable and makes repairs to Units 1 and 2. Phase II will replace equipment in the remaining four units.</p>		
4.50 2002-076	CCF	\$645,884
University of Colorado at Boulder		
<i>Upgrade HVAC System, Chemical Engineering Building</i>		
<p>The two-phase project completes upgrades on the HVAC system that were initiated in the Chemical Engineering Building under a separate controlled maintenance project. The deteriorated system is unable to maintain comfort levels, and current codes and regulations require the system to circulate additional outside air. The project will complete work on the air distribution system, testing and balancing, laboratory pressure controls, air exhaust, and reconfiguration of the laboratory return air. The project also installs emergency shower and eye-washing stations to address life-safety and code issues. This year's request for Phase II performs upgrades on the first floor of the building; Phase I addressed the basement.</p>		
4.60 2014-039	CCF	\$768,075
Fort Lewis College		
<i>Improve Life Safety, Theatre Building</i>		
<p>The two-phase project makes life-safety upgrades to the theatre building to address deteriorating or inadequate building systems. The theatre building is one of the oldest buildings on campus, and it is not in compliance with current code requirements. This year's request for Phase I installs an automatic fire sprinkler system throughout the building and a mechanical system in the auditorium and stage area to allow for the installation of a smoke evacuation system. Phase II will install a new roof system over part of the building to increase the carrying capacity, improve ventilation throughout the building, replace the alarm system panel, and reconfigure the building's smoke detectors.</p>		
5.10 2012-040	CCF	\$1,091,833
Auraria Higher Education Center		
<i>Upgrade Fire Sprinkler System, Central Classroom, West Classroom, and Arts Buildings</i>		
<p>The three-phase project installs a fire sprinkler system in three buildings. The buildings' corridors do not meet fire code for egress, and there are concerns with the ceilings, the lack of fire caulking in corridor walls, and the type of return air mechanical system in use. This year's request for Phase III addresses upgrades in the Arts Building. Phase I completed schematic design for all three buildings, and designed and constructed the renovations to the Central Classroom Building. Phase II completed design and construction of the upgrades in the West Classroom Building.</p>		
5.20 2011-083	CCF	\$481,758
Colorado Mesa University		
<i>Improve Sidewalk Safety, Campus Perimeter</i>		
<p>The project replaces narrow sidewalks bordering three sides of the campus to improve safety and address ADA requirements. The project will detach the sidewalks, where possible, from the roadways to provide separation between motorists and students, and increase the width of the walkways to accommodate handicapped users.</p>		

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Project Title	Fund Source	Amount
6.10 2013-069	CCF	\$725,745
Corrections		
<i>Upgrade Electronic Security Systems, San Carlos Correctional Facility</i>		
<p>The project installs a programmable logic controller-based system to integrate voice communication, locking mechanisms, and visual monitoring at the facility. In addition to a new integrated closed-circuit television, the system includes new controls and an integrated intercom in the master control, two satellite control centers, and nine living unit control centers. The facility houses offenders with mental illness who often pose a high risk to other offenders, staff, and themselves, making it important to have a reliable security system.</p>		
6.20 2014-040	CCF	\$519,058
Education		
<i>Replace Visual Communication and Safety System</i>		
<p>The project replaces and expands the visual communications and safety system used on the Colorado School for the Deaf and the Blind campus. The system provides outgoing communications with voice, text, and e-mail capabilities; emergency buttons so building occupants can request assistance; and addressable visual banners. The existing system is obsolete and the technology is no longer supported. For instance, if an emergency button receiver is replaced in one building, then all the remaining emergency button receivers in the same building must be replaced to maintain compatibility.</p>		
6.30 2014-041	CCF	\$672,188
University of Colorado at Boulder		
<i>Install Fire Sprinklers, Ekeley and Cristol Chemistry Buildings</i>		
<p>The project extends the existing fire sprinkler system in two buildings. The existing fire sprinkler system in both buildings only reaches corridors and areas of the buildings that have been renovated in recent years. Therefore, about 40 percent of the combined square footage of the two buildings, including functional laboratory and office space, is not covered by the existing fire sprinkler systems. A fire sprinkler system is an important life safety consideration because the research conducted in these buildings involves flammable liquids and gases, pyrophoric materials, and other toxic materials.</p>		
6.40 2014-042	CCF	\$1,178,112
Colorado State University		
<i>Install Fire Sprinkler, Moby B Wing</i>		
<p>The project installs a fire sprinkler system and abates asbestos contained in the existing sprayed-on fireproofing in areas above the ceiling. The Moby B wing provides medical services to a fragile population that is not able to exit the facility quickly in the event of a fire.</p>		
6.50 2012-051	CCF	\$174,803
Human Services		
<i>Repair/Replace Fire Sprinkler Systems, Division of Youth Corrections</i>		
<p>The three-phase project replaces fire sprinkler mains with heavier, walled steel pipes. The existing fire sprinkler mains are constructed of thin-wall steel pipe and have had numerous leaks. The leaks are believed to be due to standing water resulting from improper drainage, which will also be addressed by the project. This year's request for Phase II makes repairs to two buildings at the Betty K. Marler Youth Services Center. Phase I made repairs at the Marvin W. Foote Youth Services Center. Phase III will make repairs at the Platte Valley Youth Services Center.</p>		
6.60 2014-043	CCF	\$536,800
Front Range Community College		
<i>Replace Underground Dedicated Fire Line, Larimer Campus</i>		
<p>The project replaces 2,000 feet of underground pipe used to supply water for the campus fire protection system. About half of the existing fire protection loop has been replaced with PVC pipe in recent years. The remaining pipe is aging ductile iron pipe. In the last two years, there have been five major leaks in areas of the fire protection loop that have not been upgraded.</p>		

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Project Title	Fund Source	Amount
8.10 2012-052	CCF	\$864,325
Corrections		
<i>Improve Perimeter Security, Buena Vista Correctional Complex</i>		
The two-phase project installs a non-lethal electrified stun fence system, additional lighting, and a camera monitoring system along the perimeter of the complex. According to the department, the project addresses concerns with limited perimeter visibility from the towers, which is compounded by the number of buildings in the complex. This year's request for Phase II installs the lighting and the camera system. Phase I installed the stun fence system around the entire medium-security portion of the facility.		
8.20 2012-050	CCF	\$190,627
Colorado School of Mines		
<i>Repair/Replace Fire Alarm Systems, Meyer Hall and Stratton Hall</i>		
The project replaces components of the fire alarm system in two buildings in order to meet code requirements. Some of the existing components are obsolete and are no longer supported by the manufacturer. Once the repairs are made, both systems will be monitored through the campus fire alarm network.		
8.30 2014-044	CCF FF	\$388,310 \$759,740
Military and Veterans Affairs		
<i>Upgrade Fire Alarm System, Address Code Deficiencies, and Improve Energy Efficiency, Fort Collins Armory</i>		
The project updates, repairs, and expands restroom facilities; installs a fire protection system; and makes repairs associated with an aging building, including abating asbestos in the original floor tile and drywall compound. The original armory was constructed in 1960, and a small addition was added in 2005. The women's restroom facilities are inadequate, and the men's restroom facilities are in very poor repair. The building lacks any fire detection or protection systems, and there is not sufficient water pressure to operate a fire sprinkler system.		
8.40 2014-045	CCF	\$1,234,319
Adams State University		
<i>Improve Life Safety, Richardson Hall Auditorium</i>		
The project installs a ventilation relief system above the stage, and a fire detection and suppression system in the auditorium. It also modifies the stage and auditorium, including entrances and exits, to meet ADA accessibility requirements. In addition, the project upgrades lighting to be more energy efficient, and the auditorium HVAC system to meet code requirements for air exchange based on occupant capacity. Another project, Richardson Hall Renovation, is requested from state funds for FY 2013-14, and will renovate other areas of the building and construct a two-story addition to provide a new, ADA-accessible front door on the southwest corner of the existing building.		
8.50 2008-171	CCF	\$938,300
Personnel and Administration		
<i>Repair/Replace Elevators, State Human Services Building</i>		
The project replaces and modernizes elevators that have deteriorated and malfunction frequently. Problems include failure of elevator components, broken relay shunts, failed relay coils, contact failures in various circuits, selector boxes, hoist way switch failures, and various door-related deficiencies. A recently completed emergency controlled maintenance project replaced some failed components; however, a report generated from this project determined that most of the elevator machinery in the building was in need of immediate replacement.		

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Project Title	Fund Source	Amount
8.60 2014-046	CCF	\$735,350
Pikes Peak Community College		
<i>Improve ADA Accessibility and Emergency Egress, Centennial Campus</i>		
The project renovates the campus to create ADA access to the main level and improve ADA accessibility from the parking lots and to the locker rooms. The Breckenridge Building, one of the campus' two main buildings, does not have an elevator. This limits the ability of disabled individuals to exit in the event of an emergency evacuation.		
10.10 2002-115	CCF	\$2,000,000
Human Services		
<i>Repair/Replace Campus Tunnel and Utility Infrastructure System, Colorado Mental Health Institute at Pueblo</i>		
The five-phase project repairs or replaces the Colorado Mental Health Institute's chilled water, soft water, compressed air, raw water, steam distribution, and domestic water systems, as well as the distribution tunnels for these systems. The project also involves asbestos abatement and enhancing egress and ventilation. This year's request for Phase V finishes repairs to the West Tunnel from where Phase IV left off at Building 113 to 17th Street and east to the Y intersection. Earlier phases of the project focused on other sections of the building's tunnels and systems.		
10.20 2012-067	CCF	\$522,039
Corrections		
<i>Replace Roof, Arkansas Valley Correctional Facility (Phase I of II)</i>		
The two-phase project replaces the 24-year-old roof on the facility's administrative services wing. The leaking roof is creating the potential for property loss within the building. Phase I designs the project and replaces the most critical portions of the roof, over the gymnasium and visiting areas. Phase II, which is also requested for FY 2013-14 as a Level II Controlled Maintenance project (see # 2014-082), will replace the roof over the following areas: programs, panel shop, warehouse, CAD shop, vocational education, laundry, dining, kitchen, library, clinical, support, and segregation.		
10.30 2014-047	CCF	\$303,398
Colorado School of Mines		
<i>Repair and Fireproof Roof, Hill Hall</i>		
The project replaces the roof and reapplies sprayed-on fireproofing removed due to water infiltration. Portions of the building, including some offices, have suffered water damage due to the failure of the existing metal roof flashing and grout joints.		
10.40 2014-048	CCF	\$960,660
Colorado State University — Pueblo		
<i>Upgrade HVAC, Nursing Program Wing, Technology Building</i>		
The project replaces the evaporative cooler and associated equipment in the north wing of the building. The existing cooler is not adequate to cool the nursing classrooms, including the computerized lab simulators. The computer equipment in the north wing experiences frequent failure due to the high ambient temperatures (84 to 90 degrees) that result, in part, from the large class sizes.		

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Project Title	Fund Source	Amount
10.50 2013-058	CCF	\$274,583
University of Colorado at Colorado Springs		
<i>Control Erosion and Stormwater Runoff</i>		
<p>The two-phase project performs erosion control on a piece of the campus's non-developed property, and corrects associated storm water runoff issues. The slope and lack of erosion control on the property results in silt and sand pouring onto Mountain Lion Way and the filling of storm water channels with runoff material. The filling of channels may redirect water flow, potentially damaging campus infrastructure. Insurance money was used in 2009 to perform drainage maintenance, but long-term issues were not addressed. The project will modify culverts, revegetate the property, and construct sediment traps to control water flow and reduce erosion. This year's request for Phase II mitigates areas near the Engineering Building and University Center, and the drainage areas flowing under pedestrian walkways on the west side of campus. Phase I designed the project and mitigated the area around the Summit Village dormitory complex.</p>		
10.60 2014-049	CCF	\$352,000
Colorado State University		
<i>Repair College Lake Dam</i>		
<p>The project addresses concerns raised by the state engineer during a recent dam-safety inspection. The dam has been classified as high hazard due to its inadequate spillway capacity and because the dam crest is non-uniform along its length. The project constructs an emergency spillway and improves the crest to establish a uniform elevation. If repairs are not made to the dam, the university says it will have to drain College Lake, which will negatively impact several ongoing research projects and programs.</p>		
10.70 2013-060	CCF	\$604,396
Office of Information Technology		
<i>Replace Telecommunication Building, Walton Site</i>		
<p>The project addresses deterioration of the Walton Communications Building located on U.S. Forest Service land. The building houses communications equipment used by public safety officers and first responders across the state and is subject to severe weather conditions most of the year. The project will construct a platform with access stairs surrounding the existing structure and an adjacent elevated support structure. The project will also repair the battery power supply and backup generator system, and it will provide additional ice shielding.</p>		

Total Request Amount \$22,737,562