

# FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
1.01                      1995-048	CCF	\$2,000,000
<b>Personnel and Administration</b>		
<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>		
4.01                      2011-078	CCF	\$698,775
<b>Pueblo Community College</b>		
<i>Repair/Install Fire Alarm System, SCCC West Campus</i>		
<p>The project designs and installs a new campus fire alarm system and associated infrastructure to meet code requirements. The project also installs an HVAC system on the second floor of the main building for air supply, cooling, and ventilation. Concerns with the existing fire alarm system include poorly maintained, antiquated, or non-existent notification systems; limited or no signage and emergency lighting; and poor egress routing. Additionally, various academic, office, and common spaces have non-fire-rated doors and corridors.</p>		
4.02                      2012-048	CCF	\$900,575
<b>Education</b>		
<i>Update Fire Alarm to Addressable System, Colorado School for the Deaf and the Blind</i>		
<p>The project updates the fire alarm system to an addressable system in order to facilitate safe evacuation in the event of a fire and to provide information about the location of a fire to first responders. The existing system does not have sufficient power supplies and battery backup and limits the information provided to first responders. According to the school, an addressable system is especially critical because of its special population.</p>		
4.03                      2011-069	CCF	\$1,194,194
<b>Human Services</b>		
<i>Upgrade Electronic Security Systems</i>		
<p>The five-phase project replaces the existing manual security controls with computer-programmable security systems in seven 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 III upgrades 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 IV and V will continue upgrades in three additional facilities.</p>		
4.04                      2013-048	CCF	\$426,260
<b>Colorado State University</b>		
<i>Install Fire Alarms, Five Buildings</i>		
<p>The project installs or upgrades fire alarm systems in the following five buildings: (1) the Heating Plant; (2) Facilities North Building; (3) Facilities South Building; (4) Moby Arena; and (5) the Dairy Barn. The university says a recent fire in the Equine Reproduction Lab, which did not have a fire detection system, has highlighted the importance of fire alarms as a minimum safety requirement. Based on their vital functions, these buildings are the university's top priorities for fire alarm installation, out of the 79 buildings on 4 campuses identified as not having fire alarms.</p>		

## FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
4.05                      2012-042	CCF	\$669,130
<b>Colorado School of Mines</b>		
<i>Repair Campus Primary Electrical System</i>		
<p>The four-phase project repairs and replaces components of the campus's primary electrical system. Some segments of the electrical cable and switchgear that distribute power have exceeded their useful life and are failing. A failure in 2010 caused a complete electrical outage to one building, disrupting academic and research programs and requiring use of a generator while repairs were made. This year's request for Phase II continues the repairs and replacements.</p>		
4.06                      2011-075	CCF	\$429,855
<b>Corrections</b>		
<i>Improve Fixtures and Showers, Cellhouse 1, Colorado Territorial Correctional Facility</i>		
<p>The two-phase project replaces finishes and increases the capacity of fixtures and showers. In 2008, the facility capacity was increased from 265 to 363 inmates due to the decision to double-bunk offenders in Cellhouse I. The cellhouse does not have sufficient sinks, toilets, urinals, or showers; the finishes require replacement; and there were three outbreaks of the potentially deadly methicillin-resistant Staphylococcus aureus at the facility in the first few months after the cellhouse increased its holding capacity. This year's request for Phase II will address in the left pods and convert 12 cells into 8 cells for inmates with disabilities. Phase I increased the capacity of the fixtures and showers in the right pods.</p>		
4.07                      2002-076	CCF	\$549,280
<b>University of Colorado at Boulder</b>		
<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 university says 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 I performs upgrades in the basement level of the building, while Phase II will address the first floor.</p>		
5.01                      2012-040	CCF	\$768,585
<b>Auraria Higher Education Center</b>		
<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 II completes design and construction of the upgrades in the West Classroom Building. Phase I completed schematic design for all three buildings, and designed and constructed the renovations to the Central Classroom Building. Phase III addresses upgrades in the Arts Building.</p>		
6.01                      2012-051	CCF	\$482,101
<b>Human Services</b>		
<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 I makes repairs at the Marvin W. Foote Youth Services Center. Phases II and III will make repairs at the Betty K. Marler and Platte Valley Youth Services Centers.</p>		

## FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
6.02                      2013-049	CCF	\$432,085
<b>Colorado State University</b> <i>Install Fire Sprinkler System, Engineering South/Glover Building</i> <p>The project installs a fire sprinkler system in the Engineering South/Glover Building. In addition to chemistry and engineering programs, the building houses the telecommunications hub for the entire university. According to the university, a fire in the building could result in the loss of its emergency response and standard communications systems for weeks, requiring the university to close.</p>		
6.03                      2013-050	CCF	\$533,254
<b>Revenue</b> <i>Replace Emergency Lighting and Upgrade Accessibility, Pierce Street Building</i> <p>The project replaces the emergency lighting and upgrades the entrances in the Pierce Building, which accommodates 30,000 visitors per month. The emergency lighting in the building is not operational, leaving the building dark during power outages, which is a safety concern. Entrance A has deteriorated, and Entrance B is not accessible to persons with disabilities. The new entrances will include new mechanical locks, security components, and ADA-compliant door openers.</p>		
6.04                      2009-168	CCF	\$660,000
<b>Fort Lewis College</b> <i>Replace Pool Liner and Upgrade Systems, Aquatic Center</i> <p>The project replaces the pool liner and associated supply and distribution piping at the Aquatic Center in order to address deterioration from leaking. The leaking has led to increased pool maintenance and may eventually result in health department violations, system failure, and loss of facility use. The project also replaces the sand filters, chemical injection system, valve system, and boiler.</p>		
6.05                      2013-051	CCF	\$527,905
<b>Corrections</b> <i>Replace Door Controls, Fremont Correctional Facility</i> <p>The project replaces the door control panels in Cellhouses 2, 3, and 4, which the department says are 32 years old and require daily maintenance to remain operational. When the controls fail, the doors are unlocked, placing staff and inmates at risk. The department notes that the majority of the inmates in the facility are violent offenders. The new, programmable system will integrate voice communication, lighting control, and locking mechanisms.</p>		
6.06                      2011-081	CCF	\$179,722
<b>Colorado Historical Society</b> <i>Upgrade HVAC and Catwalk, El Pueblo History Museum</i> <p>The project installs a catwalk to allow safer and more efficient access to air handling units. The project also updates air handling unit controls and adds exhaust fans in the kitchen and computer rooms. The building's air handling units are located above a dropped ceiling over a work area and are difficult and dangerous to access.</p>		

## FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
6.07                    2012-054  <b>Military and Veterans Affairs</b> <i>Upgrade Restrooms, Longmont Armory and Fort Carson Readiness Center and Annex</i>  The project modernizes and expands the restroom and shower facilities at two National Guard armories. According to the department, the facilities were designed with minimal, if any, restroom facilities for women, and the number of soldiers training at both armories has increased significantly. Additionally, the plumbing fixtures are outdated, the restrooms are not properly ventilated, the facilities do not meet ADA requirements, and finishes around many of the fixtures do not meet health department standards.	CCF FF	\$220,550 \$220,550
6.08                    2013-052  <b>Pikes Peak Community College</b> <i>Repair/Replace Elevator System, Aspen Building, Centennial Campus</i>  The project repairs and upgrades the elevator in the Aspen Building on the Centennial Campus. The college says the elevator is heavily worn, does not conform to code requirements, and breaks down frequently, posing potential safety issues for patrons with mobility impairments. The project's upgrades will allow the elevator to accommodate heavy traffic associated with the college's growth.	CCF	\$287,882
8.01                    2011-074  <b>Front Range Community College</b> <i>Replace High-Voltage Electrical System, Westminster Campus</i>  The two-phase project replaces the high-voltage electrical line linking the campus's seven transformers. Since the transformers are connected in a series, if one of the transformers unexpectedly fails, power to an entire building would be shut down until the transformer could be replaced. According to the college, this replacement process can take more than two months. One of the transformers was recently replaced with emergency controlled maintenance funds. This year's request for Phase II installs the high-voltage feed and switches and makes corresponding upgrades to the system. Phase I designed and purchased high voltage switches in order to allow for isolation of each individual transformer.	CCF	\$492,510
8.02                    2012-052  <b>Corrections</b> <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 I installs the stun fence system around the entire medium-security portion of the facility. Phase II will install the lighting and the camera system.	CCF	\$930,831
8.03                    2013-053  <b>Cumbres and Toltec Scenic Railroad</b> <i>Repair Foundation and Stabilize Soils, Los Pinos Water Tank</i>  The project replaces the foundation under the Los Pinos Water Tank, as well as the 1,200-foot water line that feeds the tank. The department says the tank is critical to the operation of the steam engines, and it will eventually collapse if the foundation is not replaced and the soil underneath it is not stabilized to facilitate proper drainage. The water line has multiple breaks and leaks, and its replacement requires boring under the adjacent highway.	CCF	\$168,000

## FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
8.04                      2010-083	CCF	\$290,774
<b>Personnel and Administration</b>		
<i>Repair/Replace Interior Door Hardware, State Capitol Building</i>		
<p>The project addresses deteriorating interior doors and hardware at the State Capitol building. The existing interior door hardware is more than 100 years old and replacement parts are obsolete and often unavailable. Many of the doors and hardware systems are nearing complete failure, posing life-safety, functionality, and service concerns. The department will use historically accurate doors and parts to make the needed repairs.</p>		
8.05                      2011-100	CCF	\$884,894
<b>Adams State College</b>		
<i>Replace Indoor and Outdoor Track</i>		
<p>The two-phase project replaces the indoor and outdoor tracks at Adams State College. Both tracks have experienced failure, including delamination. This year's request for Phase I removes all of the existing outdoor track, asphalt, and subgrade; scarifies, re-compacts, and applies new base and asphalt; and applies a new track surface. Phase II will remove the existing track surface for the indoor track, dry out the substrate, and apply a new impervious track surface.</p>		
9.01                      2013-054	CCF	\$1,441,992
<b>Corrections</b>		
<i>Replace Generator, Colorado Territorial Correctional Facility</i>		
<p>The project installs a new standby generator, to be colocated with the incoming voltage feed. The current generator is 26 years old, experienced partial bearing failure in 2007, and leaks large quantities of oil when used. The department says having a reliable generator at the facility is essential since it houses a 32-bed infirmary.</p>		
9.02                      2011-076	CCF	\$147,950
<b>Colorado Historical Society</b>		
<i>Reinforce Structure, Healy House</i>		
<p>The two-phase project makes structural reinforcements to load-bearing walls and addresses the uneven settlement of the foundation. When the third floor addition was added to the original structure, the floor joints were placed perpendicular to the original joist direction, which made all the interior walls below load-bearing walls. Since the interior walls were not designed for load bearing, the addition caused stress and cracking. This year's request for Phase II addresses the settling foundation in the kitchen and rear additions to the house. Phase I made repairs to the load-bearing walls in the parts of the house impacted by the addition of a third story.</p>		
9.03                      2013-055	CCF	\$132,700
<b>Trinidad State Junior College</b>		
<i>Repair Sidewalks and Install ADA Ramps, Campuswide</i>		
<p>The project repairs sidewalks and parking lots and updates ramps to bring these features into compliance with the ADA. A campus audit found areas where ramps are too narrow and sidewalks are too steep for wheelchair access. The college says ADA noncompliance may result in the loss of federal funding for certain academic programs.</p>		

# FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
10.01                      2013-056  <b>Western State College</b> <i>Replace Crawford Pump House</i>  The project replaces the underground water storage tank and pump house used to extract water from the Gunnison River for campus landscape irrigation purposes. The 10,000-gallon metal storage tank that feeds water to the pump house leaks despite repeated repairs. The leaking tank compounds a flooding problem in the pump house due to a lack of a floor drain. Up to three inches of standing water can accumulate if the pump is not running. The pump house does not meet electrical and building codes, and maintenance workers must work in the standing water when making regularly scheduled repairs to electrical panels. The college notes that replacing municipal water with river water for landscaping has led to substantial operating savings.	CCF	\$108,248
10.02                      2002-115  <b>Human Services</b> <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. Each phase of the project focuses on one section of the building's tunnel and systems. This year's request for Phase IV repairs the West Tunnel from Center Road to Building 113 and east to Building 130. Phase I of the project repaired North Crossover Tunnel from the mechanical substation to the West Tunnel, the West Tunnel from the NX Tunnel intersection to the north end, and NX Tunnel from the West Tunnel to Building 125. Phase II repaired the NX Tunnel from West Crossover Tunnel to Building 126. Phase III repaired the West Tunnel from North Crossover intersection to Center Road. Phase V of the project will finish the West Tunnel from where Phase IV left off at Building 113 to 17th Street and east to the Y intersection.	CCF	\$1,090,519
10.03                      2007-091  <b>University of Colorado Denver</b> <i>Improve Chilled Water Distribution, Building 500</i>  The project improves chilled water distribution for Building 500 to correct maintenance deficiencies and improve energy performance. The system's flow control is inadequate, which results in temperature control problems and wasteful pumping. This inadequacy impacts the operation of all of the building's air handling units. The chilled water system also supports the information technology system at Anschutz, which the university says is critical to the operation of security, fire, and life-safety infrastructure, along with teaching hardware. To correct the problems, the project reconfigures piping and upgrades pumps and control systems.	CCF	\$426,475
10.04                      2012-061  <b>University of Colorado at Boulder</b> <i>Repair/Replace Building Electrical Services</i>  The three-phase project repairs or replaces electrical system components serving four campus buildings. The university says the transformers serving these buildings are outdated, at or near electrical capacity, and "running hot," while the main gear serving the buildings is past its useful life and parts for it are unavailable. Phase I, the current phase, will replace the existing transformer in Norlin Library. Phase II will replace the transformers and switch gear in Muenzinger Hall, and Phase III will address electrical deficiencies in the Porter and Hellums buildings.	CCF	\$717,608
<p><b>Project history.</b> A previous controlled maintenance project replaced the switch gear and a transformer in the Electrical Engineering wing. Phase II of that project received an appropriation in FY 2007-08 (\$507,011 CCF) to address the electrical system needs in Norlin. This funding was later reduced by \$471,600 during the 2009 session due to the budgetary shortfall. The remaining \$25,411 was expended for design services. A request for the remaining \$471,600 was submitted for FY 2010-11 to complete Phase II, but was not funded.</p>		

# FY 2012-13 Level I Controlled Maintenance Request

Project Title	Fund Source	Amount
10.05                      2013-057	CCF	\$297,333
<b>Personnel and Administration</b>		
<i>Assess Condition of Electrical Loop, Capitol Complex</i>		
<p>The project assesses the deterioration of the 13,200 volt electrical loop located in the Capitol Complex tunnel system. Failure of the loop would result in the loss of electricity for, and closure of, all Capitol Complex buildings, in turn shutting down many state functions, according to the department. The project includes repair of any electrical items damaged during the assessment.</p>		
10.06                      2013-058	CCF	\$402,662
<b>University of Colorado at Colorado Springs</b>		
<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 I will design the project and mitigate the area around the Summit Village dormitory complex. Phase II will mitigate areas near the Engineering Building and University Center, and the drainage areas flowing under pedestrian walkways on the west side of campus.</p>		
10.07                      2009-190	CCF	\$275,000
<b>Colorado Northwestern Community College</b>		
<i>Replace Roof, Weiss Building, Rangeley Campus</i>		
<p>The project replaces the roof on the Weiss Building. The roof's membrane has contracted, exposing the insulation and allowing water to infiltrate, causing dry rot, pitting, and mold infestation. Flashing on the roof where it meets the Hefley Building also leaks water. The roof has reached the end of its useful life and should be replaced immediately, according to the college.</p>		
10.08                      2009-191	CCF	\$584,125
<b>Arapahoe Community College</b>		
<i>Replace Roof, Main Building and Annex Building</i>		
<p>The project replaces the insulation and roofing on two buildings. The roofs of the Main and Annex buildings are leaking on three sides, causing classroom disruption, equipment damage, and structural damage. The roofs were installed in 1985, and have outlived their 20-year expected life spans. The roofs have lost drainage capability and require frequent repairs. The college has received three injury claims associated with falls due to water accumulation in these buildings during rains. The college is also concerned over the potential for mold infestation.</p>		
10.09                      2012-056	CCF	\$442,180
<b>Colorado School of Mines</b>		
<i>Replace Roof, Coolbaugh Building</i>		
<p>The project replaces the roof of the building with a 30-year built-up roofing system. The roof of both the original building and its addition leaks, which negatively impacts several research laboratories. Key equipment in the laboratories must be covered with plastic sheeting during rain or snowfalls.</p>		

<b>Total Request Amount</b>	<b>\$20,014,504</b>
CCF	19,793,954
FF	220,550

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
12.01                      2013-059	CCF	\$681,880
<b>Colorado State University</b>		
<i>Install Fire Sprinkler System, Microbiology Building</i>		
The project installs fire sprinklers in the Microbiology Building. The building's laboratories contain multiple hazardous materials, and its long corridors make egress in the event of an emergency difficult. The building's need for sprinklers was identified in a recent FM Global insurance audit.		
12.02                      2012-062	CCF	\$454,250
<b>University of Colorado Denver</b>		
<i>Replace Air Handling Units, Building 500</i>		
The project replaces three air handling units to address HVAC system needs for the 70-year-old building on the Anschutz Medical Campus. The university says it may need to close a portion of the facility if the units fail. A previous controlled maintenance project, funded in FY 2006-07 and FY 2007-08, replaced the other failing air handling units in Building 500.		
12.03                      2010-080	CCF	\$709,680
<b>Colorado State Fair</b>		
<i>Repair/Replace Secondary Electrical Infrastructure, Colorado State Fair</i>		
The four-phase project designs and installs a secondary electrical supply system at the Colorado State Fairgrounds. Another project installed an underground primary electrical supply system to replace the overhead high voltage lines and transformers. A secondary electrical supply system is required prior to activating the new primary electrical supply system in order to offset increased utility costs. This year's request for Phase II will design and install the second set of building connections. Phases III and IV will connect additional buildings to the new underground primary supply system. Phase I designed and installed the first set of building connections.		
12.04                      2010-087	CCF	\$409,000
<b>Trinidad State Junior College</b>		
<i>Replace Boilers, Windows, and Elevator and Upgrade Duct System, Banta Building</i>		
The two-phase project makes upgrades to the building's boiler system and windows, and also addresses air quality concerns. In addition, the project will build a small elevator in order to provide ADA-compliant access to the third floor. The college says air quality is a concern because the return air system for the automobile and welding shops is connected to the air supply system for classrooms and offices, resulting in fumes migrating to these areas. The current request for Phase II replaces the windows and installs the new elevator. Phase I of the project designed and replaced the boiler and upgraded the duct system.		
12.05                      2011-106	CCF	\$973,000
<b>University of Northern Colorado</b>		
<i>Replace and/or Install Chillers, Kepner Building, Guggenheim Building, Carter Hall, and Crabbe Hall</i>		
The two-phase project replaces two chillers serving four buildings. The Carter Hall chiller was installed in 1980, and the chiller serving the Kepner and Guggenheim Buildings was installed in 1986. Both are in poor condition. This year's request for Phase I designs the project and purchases the chillers. Phase II will install the piping and chillers.		
12.06                      2009-183	CCF	\$510,268
<b>Personnel and Administration</b>		
<i>Upgrade HVAC and Direct Digital Control System and Replace VAV Boxes, Grand Junction State Office Building</i>		
The single-phase project upgrades the HVAC system and creates remote control access to the system from the Capitol Complex Denver office. The system is 23 years old and some replacement parts are no longer available. The proposed new direct digital control system will be more energy efficient, allow for better temperature control, and will not require an air compressor.		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
12.07                      2011-082	CCF	\$1,015,919
<b>Colorado Community Colleges — Lowry</b>		
<i>Upgrade HVAC, Building 758</i>		
The two-phase project upgrades an HVAC system and makes mechanical system repairs in order to avoid system failure. The HVAC equipment is more than 40 years old and has exceeded its useful life. This year's request for Phase I designs and installs an air handling unit and the HVAC controls system. Phase II will replace a second air handling unit, complete the controls system and variable frequency drives, and reinstate redundancy in the chilled water system.		
12.08                      2009-166	CCF	\$440,370
<b>Otero Junior College</b>		
<i>Replace HVAC, McBride Hall</i>		
The project replaces four air handling units that are original to the 45-year-old building. According to the college, the units have served beyond their useful lives and some components are difficult to obtain or are no longer available. Routine mechanical breakdowns are starting to occur, which disrupt classes, and the units' inefficiencies result in higher energy costs.		
12.09                      2011-091	CCF	\$598,000
<b>Northeastern Junior College</b>		
<i>Upgrade HVAC, Phillips-Whyman Building</i>		
The project upgrades the HVAC units on the west wing of the Phillips-Whyman building. The college says the existing HVAC equipment does not provide effective cooling or heating to classrooms in the building.		
12.10                      2007-074	CCF FF	\$568,125 \$557,230
<b>Military and Veterans Affairs</b>		
<i>Upgrade Building Systems for Code Compliance, Pueblo, Colorado Springs, and Sterling Armories</i>		
The three-phase project performs upgrades at three state armories to resolve unsafe conditions and numerous building code violations. This year's request for Phase III assesses, designs, and repairs the Sterling Armory. Specific repairs include rebuilding separation walls for fire-safety purposes, bringing electrical systems up to code, updating mechanical systems, installing a fire alarm system, retrofitting windows, addressing code and safety issues in the bathrooms, and roof repair. Phase I made renovations and repairs to the Pueblo Armory. Phase II made renovations and repairs to the Colorado Springs Armory.		
12.11                      2013-060	CCF	\$590,150
<b>Office of Information Technology</b>		
<i>Replace Telecommunication Building, Walton Site</i>		
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.		
12.12                      2011-096	CCF	\$318,000
<b>Morgan Community College</b>		
<i>Repair Roofs, Main Campus</i>		
The project repairs the roofs of Cottonwood, Aspen, and Spruce halls, which are joined. The roofs have shown continued deterioration and have been patched repeatedly. In addition, recent storms have shortened the lives of the roofs.		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
12.13                      2008-165	CCF	\$1,470,482
<b>University of Colorado at Boulder</b>		
<i>Repair/Replace Roof and Waterproofing</i>		
<p>The two-phase project waterproofs building exteriors and repairs or replaces deteriorating and leaking roofs. This year's request for Phase I waterproofs the exterior concrete underground roof decks of the Duane Physics Building to eliminate leaks in underground classrooms and labs. Phase II of the project will perform waterproofing and repair or replace the roofing at Macky Auditorium, the Center for Astrophysics and Science Astronomy, and the Dennison Arts and Sciences Building.</p>		
12.14                      2008-138	CCF	\$614,187
<b>Colorado Mesa University</b>		
<i>Repair Roof, Saunders Multi-Use Facility</i>		
<p>The project replaces the roof of the Saunders Multi-Use building. Part of this roof is 31 years old, and the other part is 17 years old. Both parts have exceeded their life expectancy and continue to leak despite multiple patches. The university states that significant rainstorms in the summer of 2011 caused extensive damage inside the building as the result of the poor roof conditions.</p>		
12.15                      2011-103	CCF	\$922,034
<b>Corrections</b>		
<i>Replace Roof, Centennial Correctional Facility</i>		
<p>The project replaces the roof on Housing Units A through G at the Centennial Correctional Facility. The current roof is 30 years old and water is leaking into cells, many of which are at risk of being closed, according to the department. The project replaces the existing roof with an R-20 insulated asphalt built-up roof.</p>		
12.16                      2011-090	CCF	\$488,785
<b>Pueblo Community College</b>		
<i>Rebuild Steam, Power, and Communication Chase/Tunnel System, Main Campus</i>		
<p>The project repairs and rebuilds the underground chase/tunnel system between the San Juan Building and the Boiler House, which is currently in very poor condition due to asbestos contamination, failing piping hangers, and corrosion. Emergency funding was provided in 2008 to make immediate repairs. This project cleans and refurbishes or seals and replaces 200 feet of the chase between the two buildings, and installs new support devices for infrastructure items within the area. The tunnel system houses the potable water, power, phone, and fiber optic systems, and the college says failure of any of these systems would be catastrophic.</p>		
12.17                      2008-136	CCF	\$894,154
<b>Lamar Community College</b>		
<i>Replace Windows and Repair Exterior Wall, Bowman and Trustees Buildings</i>		
<p>The project replaces leaking windows in the Bowman and Trustees buildings with double-glazed, low E-type glass that will reduce utility costs. The HVAC system in the buildings is being repaired through a separate controlled maintenance project, and the upgraded HVAC system was designed based on the replacement of the windows.</p>		
<p><b>Funding history.</b> Funds for the project were appropriated in FY 2007-08 (\$677,467 CCF), but funding was later reduced by \$664,940 during the 2009 session due to the budgetary shortfall. The remaining \$12,527 was expended for design services.</p>		
12.18                      2012-064	CCF	\$554,200
<b>Colorado State University — Pueblo</b>		
<i>Install Campus Security System</i>		
<p>The two-phase project provides electronic controlled access to all General Fund-supported campus buildings, and video surveillance for all General Fund-supported buildings, open spaces, and parking lots, including surveillance of building entrances and corridors. Phase I designs the project and begins the installation of new doors. Phase II will install the campus video surveillance system and complete the installation of the doors and hardware.</p>		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
14.01                      2012-055	CCF	\$487,577
<b>University of Colorado at Boulder</b>		
<i>Upgrade Building Transformers/Electrical Services, Litman Research Lab No. 1</i>		
The project replaces and relocates a service transformer and main distribution switchboard. The building transformer is old, runs hot, and is at capacity. The main gear is obsolete and past its useful life, and parts are no longer available.		
14.02                      2013-061	CCF	\$886,610
<b>Colorado Community Colleges — Lowry</b>		
<i>Upgrade Fire Detection/Suppression Systems, Four Buildings</i>		
The two-phase project updates and installs fire alarm and fire sprinkler systems in various campus buildings to resolve fire code deficiencies. Phase I addresses the Campus Conference Center, the Dental Program Teaching Facility, the CCCS IT Facility, and the Campus Facilities Maintenance Office. Phase II will address the Health Education Facility and an additional classroom building.		
14.03                      2010-086	CCF	\$938,170
<b>Pikes Peak Community College</b>		
<i>Replace HVAC Control Systems and Rooftop Air Handling Units, Aspen and Breckenridge Buildings</i>		
The three-phase project replaces 19 air handling units (AHUs) and the corresponding control systems for the Aspen and Breckenridge buildings on the Centennial campus. The existing units are over 30 years old and at least five years past the manufacturer-recommended life cycle. Parts for the AHUs and control systems are difficult to locate and the fans are dangerous to repair. Phase II completes the replacement of AHUs for the Aspen Building and replaces some AHUs for the Breckenridge Building. Phase I funded the project's engineering, and replaced the control system and some of the AHUs on the Aspen Building. Phase III will complete the installation of the control system and the AHUs on the Breckenridge Building.		
14.04                      2008-123	CCF	\$922,152
<b>Corrections</b>		
<i>Improve Perimeter Security, Arkansas Valley Correctional Facility and Fremont Correctional Facility</i>		
The four-phase project replaces or repairs lighting and fencing in order to improve perimeter security at two state prisons. Phase I installed new security lighting in the north recreation yard at Arkansas Valley Correctional Facility, and funded a department-wide security audit and vulnerability analysis regarding perimeter security. Phase II replaced the transponders and microprocessor head in the motion detection system at Fremont, and began repairs to the perimeter fence. Phases III (this year's request) and IV will continue repairs to the perimeter fence, install a non-lethal electrified fence surrounding Fremont Correctional Facility, and conduct a lighting analysis.		
14.05                      2013-062	CCF	\$550,000
<b>Public Safety</b>		
<i>Repair Facilities, Camp George West, Four Buildings</i>		
The project repairs HVAC systems, replaces roofs, and brings fire suppression systems up to code. Most repairs will be made to the main building housing the Colorado State Patrol Academy and enforcement programs. Roofs will also be repaired on the Maintenance Shop, the Academy Conference Building, and the Vehicle Support Building.		
14.06                      2013-063	CCF	\$893,304
<b>Personnel and Administration</b>		
<i>Replace Absorber, Capitol Complex Power Plant</i>		
The project replaces the absorber in the Capitol Complex Power Plant. The existing absorber has not been in service for several years because of maintenance and operational problems, and because it is cost prohibitive to operate. Replacing the absorber will provide reliable redundancy to the Capitol Complex.		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
14.07                      2012-071	CCF	\$546,605
<b>University of Colorado at Boulder</b>		
<i>Repair/Replace Compressed Air System, Main Campus</i>		
The project replaces elements of the compressed air supply system serving buildings on the main Boulder campus. A previous controlled maintenance project initiated repairs to the system, which contains piping that dates to the 1940s, is improperly sized and deteriorating, and contains many leaks. The university says the system is subject to failure at any time. The previous project replaced piping from the system power house to a number of system tunnels. This rescoped project installs supplementary air compressors in the power house and associated power and cooling equipment, and completes replacement of the remaining tunnel piping.		
14.08                      2003-143	CCF	\$1,045,330
<b>University of Northern Colorado</b>		
<i>Replace Doors and Windows, Carter Hall</i>		
The project replaces windows and doors in Carter Hall. The existing window systems are original to the building and date to 1906 and 1938. The cranking and latching mechanisms are inoperable, with the windows secured in the closed position, creating potential danger in an emergency egress situation. The exterior doors are also old and in need of replacement to improve security and energy efficiency. The project was previously requested in two phases, but has been rescoped as a single-phase project.		
14.09                      2008-176	CCF	\$137,477
<b>Auraria Higher Education Center</b>		
<i>Repair/Replace Campus Roofing and Access Ladders</i>		
The project repairs or replaces deteriorated roofs, improves roof access, and replaces one cooling tower. The existing roof ladders in the Arts, North Chiller Plant, Technology, and Children's College buildings do not meet building safety standards. The roofs on the utility building and several of the Ninth Street Historical Park office buildings leak, which causes structural and interior damage.		
15.01                      2001-150	CCF	\$242,024
<b>Colorado Historical Society</b>		
<i>Repair and Improve Grant Humphreys Mansion</i>		
The project performs improvements and repairs to the Grant Humphreys Mansion, a Colorado Historical Society holding. The project removes, repairs, and reinstalls failing terra cotta cornice elements, which were partially repaired through a previous emergency project. The project also repairs failing porch tiles and roof leaks.		
<b>Funding history.</b> The project was originally requested and funded in FY 2007-08. Part of the funding was later rescinded during the 2009 legislative session due to the budgetary shortfall. \$58,976 of the original request was expended for design services.		
15.02                      2013-064	CCF	\$363,300
<b>Military and Veterans Affairs</b>		
<i>Replace Roof and Recommission HVAC System, Watkins Armory</i>		
The project replaces and repairs roofing, replaces two rooftop air handling units (AHUs), and recommissions the HVAC system at the Watkins Armory. The building's roof is comprised of three flat sections, portions of which need to be repaired, and a higher sloped section over the assembly hall and second floor, which will be replaced. The building is in a exposed location, subjecting it to high winds and significant thunderstorms. Numerous roof leaks have occurred and been repaired over the years. Lightning strikes have damaged electrical components of the two AHUs, and the units have seen numerous outages.		
16.01                      2012-050	CCF	\$190,627
<b>Colorado School of Mines</b>		
<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 can be monitored through the campus fire alarm network.		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
16.02                      2011-104	CCF	\$398,833
<b>Arapahoe Community College</b>		
<i>Replace Elevator Motor and Controls</i>		
The project replaces the elevator motors and controls in two elevators at the college's Main Building. The elevators have deteriorated and are failing on a weekly basis. Replacement parts are no longer available, and no major life safety or code upgrades have been completed since the elevators' installation in 1974. The project installs new AC hoist motors with variable frequency drive and velocity encoders, and new control panels with electronic microprocessors.		
16.03                      2013-065	CCF	\$460,000
<b>Colorado State University</b>		
<i>Upgrade Elevators, Multiple Buildings</i>		
The project will replace or repair elevators in 11 campus buildings. These elevators are out of compliance with regulations phased in between 2008 and 2010, and if they do not meet the standards by October of 2013, the elevators will be shut down, limiting handicapped accessibility in all the affected buildings.		
16.04                      2011-089	CCF	\$235,827
<b>Front Range Community College</b>		
<i>Replace Cooling Tower, Westminster Campus</i>		
The project replaces two leaking air conditioning cooling towers at the Westminster campus. The existing towers are undersized for the required load, and their failure would render the facility unusable during certain times of the year as the air conditioning is necessary to allow use of the building.		
16.05                      2012-058	CCF	\$325,519
<b>University of Colorado at Boulder</b>		
<i>Replace Main Campus Security Tunnel Doorways</i>		
The two-phase project replaces doorways for the utility tunnels at various locations on campus to address security issues. Each phase will address a different area on campus. The existing doorways are made of differing materials, do not have rated assemblies, and do not provide easy egress in the event of an emergency.		
<b>Funding history.</b> The project was originally requested and funded in FY 2007-08. Part of the funding was later rescinded during the 2009 legislative session due to the budgetary shortfall. The project is being resubmitted as a new request.		
16.06                      2013-066	CCF	\$286,783
<b>Red Rocks Community College</b>		
<i>Replace Roofs, Main Building, West Wing Bridge and Fire Science Classrooms</i>		
The project replaces the connected roof with a new-ballasted EPDM (synthetic rubber) roof and adds insulation. The area's existing roof is 20 years old, and many parts of it are failing.		
16.07                      2011-086	CCF	\$175,000
<b>Colorado Northwestern Community College</b>		
<i>Replace Roof, Yaeger Building, Rangeley Campus</i>		
The project reattaches a roof and repairs some soffit boards on the Yaeger Building, which houses the college's airplane repair program. Several years ago the south side of the roof was completely detached from the plywood roof decking by strong winds. The college has since used wood pallets and concrete blocks to hold the roof in place, and these temporary measures are deteriorating. The college reports that the roof membrane itself is in good condition.		
16.08                      2009-187	CCF	\$1,052,040
<b>Auraria Higher Education Center</b>		
<i>Repair/Replace Windows and Mechanical System, Central Classroom Building</i>		
The two-phase project repairs the windows and mechanical systems at the Central Classroom Building. The repairs are needed to prevent the windows from leaking air and water and to improve the performance and comfort control of the mechanical systems. Other structural elements such as entry steps, ramps, and handrails have aged and are in need of repair. This year's request for Phase I makes envelope repairs. Phase II will make mechanical and electrical repairs.		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
16.09                      2009-172	CCF	\$395,252
<b>Colorado State University</b>		
<i>Upgrade Electrical System, Foothills Campus</i>		
<p>The four-phase project upgrades the electrical system and installs underground lines. The current electrical lines are above-ground, and the university says this system is nearing capacity and may fail in weather-related events. This year's request for Phase I installs line from a new Xcel substation to Rampart Road and from Rampart Road to the Arthropod-Borne and Infectious Disease Lab complex. Phase II will install line from the Infectious Disease Annex to the Research Innovation Center complex. Phase III will install line from the Research Innovation Center to the Animal Reproduction Biotechnology Lab, and Phase IV will install line from this lab to the Center for Disease Control buildings via a federally funded new underground substation.</p>		
16.10                      2011-083	CCF	\$481,758
<b>Colorado Mesa University</b>		
<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>		
18.01                      2007-048	CCF	\$281,068
<b>Western State College</b>		
<i>Repair/Replace Sewer Distribution System</i>		
<p>The three-phase project replaces the sewer system that services Western State College. The system is beyond its useful life and is showing signs of failure. Each phase of the project replaces the clay tile sewer system in a specific zone on the campus. This year's request for Phase III completes the project by replacing the sewer system in the third zone, including replacing or slip lining over a thousand feet of existing deteriorated or collapsed pipeline and installing eight new manholes. Phase I of the project addressed the first zone. Phase II of the project addressed the second zone.</p>		
18.02                      2012-065	CCF	\$339,450
<b>Fort Lewis College</b>		
<i>Improve Storm Drainage, Central Campus</i>		
<p>The single-phase project removes and replaces the storm sewers adjacent to the Student Life Building and Aquatic Center, which were not designed to accommodate five-year-flood storm flows. As a result, flooding in these buildings is a risk during heavy rain events, which has occurred on several occasions. The flooding creates mold and mildew concerns, and also poses structural risks.</p>		
<p><b>Funding history.</b> Funds were appropriated for storm drain improvements in FY 2007-08 (\$463,925 CCF) under a separate controlled maintenance project, but funding for the project was later reduced by \$366,581 in January 2009 due to the budgetary shortfall. The remaining \$97,344 was used for an engineering assessment of the existing drainage system and project design.</p>		
18.03                      2013-067	CCF	\$440,369
<b>Adams State College</b>		
<i>Replace Sidewalk Curbs and Gutters</i>		
<p>The two-phase project replaces deteriorated sidewalks, curbs, and gutters on campus. Concrete sections of sidewalk have lifted and spalled, posing serious trip hazards. Many sidewalks are only three feet wide and lack cross pans, limiting ADA accessibility. Shifting concrete has also blocked drainage, causing icy conditions that lead to slips and falls. This year's request for Phase I replaces deteriorated portions of sidewalks, curbs, and gutters in the southern half of campus. Phase II will replace portions in the northern half.</p>		
18.04                      2012-070	CCF	\$149,600
<b>Public Health and Environment</b>		
<i>Evaluate Fire Alarm System</i>		
<p>The project performs a detailed inspection and performance testing of the fire alarm system in the department's Laboratory Services Division Building at Lowry. The building was constructed in 1997, and some of the system's components are beginning to malfunction. The project will also fund replacement of components as needed.</p>		

## FY 2012-13 Level II Controlled Maintenance Request

Project Title	Fund Source	Amount
18.05                      2011-112 <b>Colorado Mesa University</b> <i>Repair Roof, Moss Performing Arts Center</i>  The project replaces the roof on the Moss Performing Arts Center, which has continually experienced leaks. The project removes the rolled roofing, applies insulation to create positive drainage, and installs a fully adhered roofing membrane.	CCF	\$467,025
20.01                      2011-105 <b>Western State College</b> <i>Repair/Replace HVAC Systems, Quigley Hall</i>  The project repairs and replaces HVAC systems in Quigley Hall. The system was last upgraded in the 1960s. The project addresses the system components in the worst condition, including 33 unit ventilators, 7 wall fan coil units, and 10 wall unit heaters.	CCF	\$151,857
20.02                      2011-099 <b>Trinidad State Junior College</b> <i>Replace Security and Lock Systems</i>  The project replaces the college's lock and security systems. The current system is a traditional, mechanical system with hard keys. The system requires constant maintenance and is nearly impossible to secure in an emergency situation due to its outdated hardware. The project installs an electronic access control system in 12 buildings on two campuses (Alamosa and Trinidad), which will reduce ongoing maintenance needs and improve security.	CCF	\$445,340

<b>Total Request Amount</b>	<b>\$26,058,611</b>
CCF	\$25,501,381
FF	\$557,230