

FY2017 Infrastructure Five Year Plan
Updated Draft - 2/10/2016

Projected 5-Year Total
FY17-21

Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
DAS	Statewide	Statewide Major Building Maintenance¹ Corrects major maintenance, health/safety/loss of use and Americans with Disabilities Act deficiencies at the Capitol Complex and statewide for all agencies except the Department of Transportation, Department of Natural Resources, Department of Public Defense, Regent Institutions, Department for the Blind and authorities such as the Iowa Public Employees Retirement System.	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000	\$150,000,000
DAS	Statewide	Statewide Routine and Essential Building Maintenance Provides routine, recurring, and preventive building maintenance, all of which are essential for the ongoing care and upkeep of facilities throughout the state for all agencies except the Department of Transportation, Department of Natural Resources, Department of Public Defense, Regent Institutions, Department for the Blind and authorities such as the Iowa Public Employees Retirement System. Agencies require routine and essential building maintenance money to cover the costs of critical projects such as: upkeep and upgrades of security, fire and energy management systems; chemicals and other additives required to maintenance boilers and chillers; and contracts for maintenance for elevators, chillers, and fire alarm and security systems. Routine maintenance has been unfunded since FY10.	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$30,000,000
DAS	Capitol Complex	Capitol Building - Interior and Exterior Restoration of the Capitol Dome Provides funding for repairs to the upper dome both inside and out to address water infiltration and general preventive maintenance. Final project scope and budget will be determined by a study that is currently underway. Budget was previously \$3,000,000. Budget has been increased to reflect study from OPN Architects.	\$9,990,899	\$0	\$0	\$0	\$0	\$9,990,899
DAS	Capitol Complex	Hoover Building Elevator Replacement Complete replacement of elevators 1, 2, 3, 4, & 5. In FY15, the Hoover elevators had 40 service calls for not operating and 5 service calls for people being entrapped.	\$2,176,119	\$0	\$0	\$0	\$0	\$2,176,119
DAS	Capitol Complex	Capitol Complex Utility Tunnel Repairs Repair the utility tunnel to maintain structural integrity and replacement of mechanical, electrical, fire protection, waterproofing and a new section under Grand Ave. This will bring the Utility Tunnel up to code and extend the life expectancy out another 25 years.	\$5,088,353	\$0	\$0	\$0	\$0	\$5,088,353
DAS	Capitol Complex	Lucas Building Elevator Replacement Completely replace elevators 1, 2, 3, 4 & 5. In FY15, the Lucas Building had 25 service calls for not operating and 5 service calls for people being entrapped.	\$1,958,028	\$0	\$0	\$0	\$0	\$1,958,028
DAS	Capitol Complex	Lucas and Capitol Pedestrian Tunnel Repairs Repair the pedestrian tunnel between the Lucas Building and the Capitol to maintain structural integrity and bring up to building and life safety codes. FY17 funds engineering and the construction costs are phased over FY18 and FY19.	\$1,398,480	\$2,796,961	\$2,796,961	\$0	\$0	\$6,992,402
DAS	Capitol Complex	Capitol Complex Security Camera Expansion Add security cameras to the parking ramp, the parking lots north of Grand Ave, and the exteriors of buildings to enhance visitor, employee and vehicle security. There are parking lots and buildings that currently have no camera coverage.	\$330,350	\$0	\$0	\$0	\$0	\$330,350
DAS	Capitol Complex	Fire Protection for Facilities Management Center and Central Energy Plant Currently there are no fire hydrants within 600 feet for fire protection at the Central Energy Plant and Facilities Management Center. This request extends the fire protection to the Central Energy Plant and Facilities Management Center in FY17 by adding fire hydrants in front of the CEP and FMC Buildings. FY18 provides for installation of fire sprinkler protection systems in the Central Energy Plant and Facilities Management Center.	\$627,389	\$1,882,167	\$0	\$0	\$0	\$2,509,556
DAS	Capitol Complex	Capitol Complex Relocation and Leasing Expenses Provides moving, temporary leasing and other expenses related to repair of and movement into buildings on the Capitol Complex. It also allows agencies to temporarily relocate off-complex.	\$0	\$718,038	\$0	\$0	\$796,102	\$1,514,140
DAS	Capitol Complex	Capitol Complex Parking Lot #3 Remove the existing asphalt surface and sub grading, install new storm drainage, as required by code, and new lighting including concrete bases and underground wiring. New compacted sub base and a paved parking lot surface with striping.	\$1,500,658	\$0	\$0	\$0	\$0	\$1,500,658

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DAS	Capitol Complex	Iowa Labs Parking Lot Repairs Emergency repairs to the parking lots due to undermining of concrete surfaces due to drainage and to remediate the drainage problem along with a repair and replacement program for all the parking lots at the Iowa Labs.	\$0	\$814,174	\$0	\$0	\$0	\$814,174
DAS	Capitol Complex	Wallace Building Renovation Design and renovate the Wallace State Office Building, including planning for relocation of the occupants, associated lease costs and renovation of the building. Three separate studies done on the Wallace Building by the Ryan Companies US Inc, DCI and Samuels Group Inc recommended renovation as the best option and provided cost estimates. <u>If the entire building renovation is not funded, a number of critical projects will need to be addressed. See last page.</u>	\$9,533,903	\$44,777,205	\$0	\$0	\$0	\$54,311,108
DAS	Capitol Complex	Grimes Building Elevator Replacement Complete replacement of elevators 1, 2 & 3. In FY15, the Grimes Building had 23 service calls for not operating and 8 service calls for people being entrapped.	\$0	\$0	\$1,007,911	\$0	\$0	\$1,007,911
DAS	Capitol Complex	Capitol Complex Parking Lot #1 and Lot #4 Remove the existing asphalt surface and sub grading, install new storm drainage, as required by code, and new lighting including concrete bases and underground wiring. New compacted sub base and a paved parking lot surface with striping.	\$0	\$0	\$2,051,946	\$0	\$0	\$2,051,946
DAS	Capitol Complex	Capitol Complex Parking Lot #18A and Lot #12B Remove the existing asphalt surface and sub grading, install new storm drainage, as required by code, and new concrete curbs and gutters, new sidewalks, new lighting including concrete bases and underground wiring. New compacted sub base and a paved parking lot surface with striping.	\$0	\$0	\$1,158,637	\$0	\$0	\$1,158,637
DAS	Capitol Complex	Capitol Complex Study for HVAC Renovations Complete engineering study for Complex-wide HVAC renovation projects.	\$1,106,970	\$0	\$0	\$0	\$0	\$1,106,970
DAS	Capitol Complex	Central Energy Plant Fuel Tank Replacement Demolish existing 300,000 gallon boiler back-up fuel tank and replace with small, double-walled fuel tank.	\$0	\$0	\$430,825	\$0	\$0	\$430,825
DAS	Capitol Complex	Central Energy Plant Cooling Tower #2, Replace Fill on Cooling Tower #4 and Pit Replacement Replace Cooling Tower #2, replace fill on cooling tower #4, enlarge the condenser water holding pit and replace the condenser pumps. Updated to include cooling tower #4 fill replacement.	\$0	\$0	\$799,161	\$0	\$0	\$799,161
DAS	Capitol Complex	Capitol Building - Reconfiguration of West Drive Reconfigure the West Drive to allow better access of emergency vehicles, improved parking areas in the driveway, and increased security by installing gates at the north and south drive entrances. Work will also include relocation of the sewer line in accordance with City of Des Moines.	\$0	\$0	\$2,142,450	\$4,284,900	\$0	\$6,427,350
DAS	Capitol Complex	Lucas Building Cooling Coils and Return Damper Replacement Replace all the cooling coils in AHU 1 and 2 and remove the heating coils installed in front of the cooling coils as they are not used and are dropping the efficiency of the cooling coils. Replace the return air dampers and controls.	\$0	\$0	\$608,807	\$0	\$0	\$608,807
DAS	Capitol Complex	Ola Babcock Miller Exterior Renovations Clean, caulk joints and repair broken stone on the exterior of the building.	\$0	\$0	\$943,130	\$0	\$0	\$943,130
DAS	Capitol Complex	Lucas Building Roof Replacement Remove the old roof system and insulation, install new roofing insulation and roof system. Repair parapet walls and tuckpoint as needed.	\$0	\$0	\$695,182	\$0	\$0	\$695,182

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DAS	Capitol Complex	Capitol Building - Interior and Exterior Restoration Continuation Provides funding for continued restoration of the Capitol's interior and exterior. FY19 items include installing lighting under the rotunda glass floor, adding HVAC control to the rare book room, painting the windows, updating clocks, leak mitigation at the stairs and roof, exterior building repairs, driveway improvements, parking improvements, and sidewalk improvements. FY20 items include rehabilitating the remaining 5 flag cases, additional HVAC improvements, adding fire sprinklers and lighting at the 1st floor rotunda, adding a sound system to room 224, painting the Law Library balcony railings and walls, replacing the exterior building lighting, and additional sidewalk work. FY21 work includes removing abandoned mechanical equipment in the attic and basement, building a new elevator lobby, replacing ceiling lamps in the dome and chambers, exterior retaining walls improvements, providing site irrigation and replacing the West Mall fountain.	\$0	\$0	\$3,749,288	\$4,552,706	\$1,874,644	\$10,176,638
DAS	Capitol Complex	Capitol Complex IWD Parking Lot 17 and 22 Improvements Provides for design and renovation services to pave existing gravel parking lots, including associated building demolition, add storm water detention as required by Iowa code, parking lot lighting and area landscaping to enhance the appearance and comply with Iowa code. (These are gravel lots that are unsafe to park in during snow or icy conditions as they are on a slope.)	\$0	\$0	\$0	\$1,307,406	\$0	\$1,307,406
DAS	Capitol Complex	Central Energy Plant Deaeration Tank Replacement Replace the deaeration tank and associated pumps and piping required for good boiler performance. The current deaeration system is not large enough for total utilization by the boilers.	\$0	\$0	\$0	\$484,513	\$0	\$484,513
DAS	Capitol Complex	Lucas Building Exterior Renovation Clean, tuckpoint, caulk joints and seal the exterior façade.	\$0	\$0	\$0	\$1,062,795	\$0	\$1,062,795
DAS	Capitol Complex	Central Energy Plant Replace Main Chillers Replace three chillers that are nearing the end of their useful life. They provide year-round cooling for the entire capitol complex, including the State data center.	\$0	\$0	\$2,792,466	\$0	\$0	\$2,792,466
DAS	Capitol Complex	East Capitol Mall As amended in 2014 Appendix D of the 2010 Capitol Master Plan, relocate Parking Lots #13, 14, 15 and 19 to the periphery areas bordering the streets of the east campus (Grand Avenue and Walnut Street) to create a central axial landscaped mall extending from the Capitol to East 13th Street. If the entire East Capitol Mall is not funded, the parking lots will need to be replaced. See major maintenance list.	\$0	\$0	\$0	\$6,804,090	\$0	\$6,804,090
DAS	Capitol Complex	Capitol Complex Parking Lot #2 and Lot #5 Remove the existing asphalt surface and sub-grading, install new storm drainage, as required by code, and new lighting including concrete bases and underground wiring. New compacted sub-base and a paved parking lot surface with striping. If the entire East Capitol Mall is not funded, the parking lot priority may change. See major maintenance list.	\$0	\$0	\$0	\$1,778,130	\$0	\$1,778,130
DAS	Capitol Complex	Capitol Complex Parking Lot#10, Lot #11 and Lot #12 Remove the existing asphalt surface and sub-grading, install new storm drainage, as required by code, and new lighting including concrete bases and underground wiring. New compacted sub-base and a paved parking lot surface with striping. If the entire East Capitol Mall is not funded, the parking lot priority may change. See major maintenance list.	\$0	\$0	\$0	\$0	\$1,686,783	\$1,686,783
DAS	Capitol Complex	Grimes Building HVAC Renovations Complete renovation of the HVAC systems in the Grimes with direct digital controls to be connected to the building automation system. Actual scope and costs to be determined by the engineering study and design.	\$0	\$0	\$0	\$7,911,957	\$0	\$7,911,957
DAS	Capitol Complex	Capitol Complex Tunnel Condensate Return Replace the two condensate tanks located in the tunnel at the Capitol and at the Wallace Building. These tanks are in bad shape and need to be replaced.	\$0	\$0	\$0	\$394,923	\$0	\$394,923

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DAS	Capitol Complex	Capitol North Side Plazas going up to the Capitol Replace the concrete plazas or landings at the North stairway from Grand Ave to the Capitol Building. Concrete is spalled out due to the deterioration from ice treatment and is now becoming a safety hazard.	\$0	\$0	\$0	\$469,943	\$0	\$469,943
DAS	Capitol Complex	Capitol Complex North Complex Distribution System Expand utility distribution for the north side of the complex. Redundancy of operation is a critical need; placement of utility distribution at a different location from the current distribution center is necessary in case of a natural disaster or homeland security issue. The utility distribution system will need to be expanded prior to construction of any new buildings on the North side of the Capitol Complex.	\$0	\$0	\$0	\$9,485,997	\$4,065,427	\$13,551,425
DAS	Capitol Complex	Grimes Building Renovations Exterior and interior renovations and asbestos abatement (excluding elevators, HVAC, office furniture cubicles, office equipment and relocation costs).	\$0	\$0	\$0	\$1,767,521	\$7,644,409	\$9,411,930
DAS	Capitol Complex	Jessie Parker Building Renovations Exterior and interior renovations, and any asbestos abatement (excluding elevators, HVAC, office furniture partitions and relocations costs).	\$0	\$0	\$0	\$2,062,108	\$8,803,602	\$10,865,710
DAS	Capitol Complex	Hoover HVAC Systems Renovations Complete renovation for the HVAC systems with DDC controls.	\$0	\$0	\$0	\$10,898,213	\$10,898,213	\$21,796,426
DAS	Capitol Complex	Monuments and Artwork Repair and Restoration Program Finish cleaning and restoring the statue atop the Soldiers & Sailors monument in FY17 and provide for annual cleaning and maintenance of the monuments on the Capitol Complex that do not have an endowment for annual maintenance. This will also provide funding for repair, restoration and conservation of interior and exterior artwork on the Capitol Complex that has been funded by the ½% Art in State Buildings Program. Budget was previously \$294,587. Budget has been increased to reflect Capitol Planning Commission's 2016 appropriation request.	\$175,000	\$175,000	\$175,000	\$0	\$0	\$525,000
DAS	Capitol Complex	Iowa Workforce Development Renovations Interior and exterior renovations and any asbestos abatement of the IWD Building at 1000 Grand Ave (excluding elevators, HVAC, office furniture partitions and relocations costs).	\$0	\$0	\$0	\$573,105	\$9,856,274	\$10,429,380
DAS	Capitol Complex	Capitol Building - Repair and Continuation of Granite Barrier Wall Repair the granite wall along Grand Avenue and continue the wall around the building to improve security.	\$0	\$0	\$0	\$3,200,433	\$0	\$3,200,433
DAS	Capitol Complex	Iowa Workforce Development HVAC Systems Renovations Complete renovation for the HVAC systems with DDC controls. Actual scope and costs to be determined by the engineering study and design.	\$0	\$0	\$0	\$5,159,613	\$3,439,742	\$8,599,355
DAS	Capitol Complex	Central Energy Plant Secondary Chilled Water Pumps Replace the two 200 HP secondary chilled water pumps.	\$0	\$0	\$0	\$268,187	\$0	\$268,187
DAS	Capitol Complex	Jessie Parker HVAC Renovations Install a new AHU hooked to the Capitol Complex chilled water loop, VAV boxes, duct work, dampers, direct digital controls and associated work required to renovate the HVAC System. Actual scope and costs to be determined by the engineering study and design.	\$0	\$0	\$0	\$5,355,199	\$3,570,132	\$8,925,331
DAS	Capitol Complex	IWD 150 Des Moines Street Parking Lot Replacement	\$0	\$0	\$0	\$0	\$376,000	\$376,000
DAS	Capitol Complex	Facilities Management Center Building Addition and Remodel Remodel the existing building and build an additional shop building in order to consolidate all of the storage areas, equipment, fabrication shops and tools necessary to perform the everyday operations under the same roof.	\$0	\$0	\$0	\$0	\$2,383,142	\$2,383,142
DAS	Capitol Complex	Iowa Workforce Development Elevator Replacement Complete replacement of elevator #3. In FY15, elevator #3 had 9 service calls for not operating.	\$0	\$0	\$0	\$285,068	\$0	\$285,068
DAS	Capitol Complex	Capitol Complex Re-commissioning and Balancing of Systems and Equipment Balance systems and the equipment in the buildings along with the required work need to bring equipment into alignment and balanced.	\$0	\$0	\$0	\$0	\$302,214	\$302,214

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DAS	Capitol Complex	Facility Maintenance Building HVAC Renovation Replace the Main AHU, dampers and DDC controls.	\$0	\$0	\$0	\$450,379	\$0	\$450,379
DAS	Capitol Complex	Capitol Complex Replace all Chilled Water 3-way valves to 2-way valves Campus wide Replace the chilled water 3 way valves to 2 way valves to allow for the optimization of the chilled water program.	\$0	\$0	\$0	\$604,428	\$0	\$604,428
DAS	Capitol Complex	Central Energy Plant Boiler Optimization Replace Boiler #1, replace burners for Boiler #3 and add new DDC controls for all 3 boilers optimization. If the entire boiler optimization is not funded, the boiler projects may need to be addressed separately.	\$0	\$0	\$0	\$780,066	\$0	\$780,066
DAS	Capitol Complex	Jessie Parker Building Elevator Replacement Complete replacement of elevators #1,3,4 & 5. In FY15, the Jessie Parker elevators had 9 service calls for not operating and 2 service calls for people being entrapped.	\$0	\$0	\$0	\$1,123,989	\$0	\$1,123,989
DAS	Capitol Complex	Capitol Complex Grounds Drainage Problems and Improvements Design and construction for the grounds improvements of the embankments along Court Avenue, between Dey Street and Finkbine Drive. Old drain lines were improperly discontinued and allow water to continually drain out and erode the embankment. This project would remove the old abandoned drainage tile and terrace the embankment with new landscaping paver retaining walls and drainage tile, including landscaping to enhance the entire area and allow for easy and safe maintenance.	\$0	\$0	\$0	\$0	\$1,416,095	\$1,416,095
DAS	Capitol Complex	Capitol Complex Demolition of Old and Abandoned Mechanical Systems Clean-up and removal of old and abandoned mechanical and electrical equipment and systems throughout the buildings and tunnels.	\$0	\$0	\$0	\$0	\$302,214	\$302,214
DAS	Capitol Complex	Relocation Planning for Fleet Operations The 2010 Capitol Complex master plan phase 1 calls for moving Fleet operations from the location on East 7th Street and demolishing the existing buildings to allow for completion of the West Capitol Terrace. If the facility isn't relocated, other improvements will need to be addressed. See major maintenance list.	\$0	\$0	\$7,498,575	\$0	\$0	\$7,498,575
DAS	Capitol Complex	West Capitol Terrace Final Development Final development of West Capitol Terrace including site improvements to the intersection of E. Locust and E. 7th Streets, entrance monument and walls on the west side of mall, fountain and additional plantings to create a major public green space at the west entrance to the Capitol Complex.	\$0	\$0	\$0	\$0	\$1,566,477	\$1,566,477
DAS	Capitol Complex	Capitol Complex Interior Painting Paint interior commons area throughout the buildings on a rotating basis.	\$57,846	\$57,846	\$57,846	\$57,846	\$57,846	\$289,231
DAS	Capitol Complex	West Capitol Terrace Annual Maintenance Maintenance of the West Capitol Terrace granite planter walls, wall caps and stairs to be reset as needed, cleaned, and joints between the stones cleaned and re-caulked. This is needed to prevent moisture from penetrating in the joints and eroding the underlayment and to prevent the granite from spalling due to the freeze/thawing cycles. Also provides for maintenance and restoring of planting and plant bed materials.	\$80,342	\$53,561	\$53,561	\$53,561	\$53,561	\$294,587
DAS	Capitol Complex	Capitol Complex Carpet Replacement Replace carpet throughout the Capitol Complex Commons area on a rotating basis as the life expectancy of carpet is 10 years.	\$104,980	\$104,980	\$104,980	\$104,980	\$104,980	\$524,900
DAS	Capitol Complex	Capitol Complex Sidewalk Replacement Program Replace sidewalks throughout the complex with 6 foot wide sidewalks to allow for snow removal equipment and accessibility. The existing sidewalks have cracks, broken, heaved or settled sections creating potential tripping hazards throughout the Complex.	\$0	\$0	\$0	\$0	\$1,239,397	\$1,239,397
DAS	Capitol Complex	Capitol Complex Property Acquisition and Related Services Provide funding for property acquisition and services related to property acquisition at the Capitol Complex including appraisals and environmental assessments. Area of particular interest, as identified in the 2010 Master Plan, is the area that is bordered on the south by Des Moines Street, on the north by Lyon Street, on the west by Penn Ave., and on the east by E. 9th.	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$3,000,000

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DCA	Capitol Complex	State Historical Building Revitalization The State Historical Building Revitalization includes \$65 Million in improvements and updates to the infrastructure of the building which houses the state's collections and to the collections management systems and environment for long-term preservation of the collection. This initiative will increase access to the state's historical collection and create a welcome center for visitors to our capital city with engaging experiences that reflect all of Iowa, our history, culture and people. The new center will bridge the Capitol Complex to the East Village and create an iconic Iowa experience for visitors to our city's Capitol Gateway. <u>If the entire building renovation is not funded, a number of critical projects will need to be addressed. See last page.</u>	\$9,000,000	\$38,000,000	\$16,000,000	\$2,000,000	\$0	\$65,000,000
DHS	Independence MHI	Independence Mental Health Institute Install New Boilers Installation and commissioning of 2 300-hp boilers which have already been purchased and are on-site. These brand new units were bought at the end of FY13.	\$456,376	\$0	\$0	\$0	\$0	\$456,376
DHS	Statewide	Site and Program Evaluation Study of all DHS facilities Review current DHS facilities to determine the most effective plan to address the various program needs required. Includes facility condition assessments and space utilization analysis. Project will deliver a DHS facility master plan and a DHS capital plan.	\$750,000	\$625,000	\$625,000	\$0	\$0	\$2,000,000
DHS	CCUSO	CCUSO Site and Program Evaluation Study Review current and future CCUSO physical plant needs to ensure security and effective and efficient operation.	\$250,000	\$0	\$0	\$0	\$0	\$250,000
DHS	CCUSO	CCUSO Replace Security Cameras for Interior/Exterior Areas, Video Management System and CCTV Upgrades Parts are increasingly difficult to find, we are currently buying used parts online. No redundancy in existing system, creating safety/security issue in the event of equipment or power failure. System supports both CCUSO and Cherokee MHI. Existing VMS not supported. Video data will be permanently lost if system fails. Server scheduled to be replaced. No guarantee existing equipment compatible with new server OS.	\$950,000	\$0	\$0	\$0	\$0	\$950,000
DHS	Eldora	State Training School Replace Security Cameras for Interior/Exterior areas, Video Management System Upgrades Current system is outdated and not adequate for current facility. Safety/security issue in the event of equipment or power failure.	\$500,000	\$0	\$0	\$0	\$0	\$500,000
DHS	GRC	Glenwood Resource Center Buildings 120, 110, 102, 119 and Lacey Complex Tuckpointing and Masonry Repair Project would complete tuck pointing and masonry repairs on 6 major GRC Buildings as identified by the A&E firm of Shive-Hattery. This project could be divided into 2 phases, as follows: Phase 1 in FY18 – Buildings 120 and 110. Phase 2 in FY19 – Buildings 102, 119 and the Lacey Complex.	\$0	\$1,142,646	\$1,142,647	\$0	\$0	\$2,285,293
DHS	Cherokee MHI	Cherokee Mental Health Institute HVAC Upgrades Air conditioning, ductwork dampers, zone valves & convactor upgrades to main building.	\$50,000	\$365,416	\$365,416	\$365,416	\$365,416	\$1,511,664
DHS	GRC	Glenwood Resource Center Replacement of GRC Water Mains and Shut Off Valves Project consists of replacement of GRC's aging water mains and installation of water shut off valves at critical locations.	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
DHS	Independence MHI	Independence Mental Health Institute Reynolds Building Masonry Repair Project consists of removing deteriorating mortar and tuck pointing, caulking around windows and in movement cracks, rebuilding deteriorating stone to original shape (Phase 4 in FY17, Phase 5 in FY18, Phase 6 in FY19, Phase 7 in FY20, Phase 8 in FY21).	\$350,000	\$360,000	\$370,000	\$380,000	\$390,000	\$1,850,000
DHS	DHS	Demolition of Buildings in Disrepair Demolish the following vacant dilapidated buildings: STS campus: Cannery, Coal Room, Cement Garage, Poultry Feeds, Root Cellar; \$249,715 IMHI Campus: Grove Hall, Hilltop; \$427,638 Cherokee Campus: Wade Building \$287,241 No additional support costs needed.	\$964,595	\$0	\$0	\$0	\$0	\$964,595

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DHS	GRC	Glenwood Resource Center Meyer Elevator Install – ADA Accommodations Improvement This project would address the need for additional ADA accommodations in our Meyer Building. At the present time this building's non-ADA compliant ramps and small one-person elevator are not adequate to meet the needs of over one-hundred handicapped individuals who receive services and attend programs in this multi-story building. A 2011 Study by Genesis Architectural Design has noted these conditions, accessibility options and solutions, to include the installation of this elevator.	\$596,500	\$0	\$0	\$0	\$0	\$596,500
DHS	CCUSO	CCUSO Industrial Arts/Recreation Area Yard expansion with industrial arts/recreation building. Includes 1600 linear feet of fencing. (Study-Phase I, Project-Phase II)	\$50,000	\$1,368,965	\$0	\$0	\$0	\$1,418,965
DHS	GRC	Glenwood Resource Center HVAC Upgrade in Building 710 Lacey This project would design and install a new HVAC delivery system within this multi-story 70,560 square foot building location.	\$0	\$100,000	\$412,309	\$0	\$0	\$512,309
DHS	Eldora	State Training School Facility Kitchen and Vocational Training Complex Project would construct a new 11,500 sq. ft. metal building to house bakery and culinary arts vocational training programs and facility kitchen and food storage areas. Project includes demolition costs estimated at \$250,000 for the current location. This project would also include furniture, fixtures, and equipment costs, including replacement of some kitchen equipment. No additional support or personnel costs would be needed. If the new building is not funded, there are improvements needed in the existing building. See major maintenance list.	\$3,188,656	\$0	\$0	\$0	\$0	\$3,188,656
DHS	CCUSO	CCUSO Renovation of 3 Wards (South 1, 2 & 3) Renovation of three wards, South 1, 2 and 3 to accommodate, counseling and program areas, dining, transitional patient's area and staffing office area. Support is already being furnished, no additional expense. The wards will be remodeled with highly efficient lighting, air conditioning and heating systems. Also part of the green initiative is to use outside air; this project will result in utilization of outside air on all the wards.	\$0	\$2,138,313	\$0	\$0	\$0	\$2,138,313
DHS	WRC	Woodward Resource Center Build New Supply Depot Building The Supply Depot is the receiving area and storage for all supplies. The building is deteriorating; the floor and supports need to be replaced.	\$125,000	\$0	\$0	\$0	\$0	\$125,000
DHS	Cherokee MHI	Cherokee Mental Health Institute New Interior Electrical Wiring To upgrade all interior electrical needs. Main Building; Ginzberg Building; Wirth Hall; Voldeng Building.	\$0	\$598,258	\$598,258	\$598,258	\$598,259	\$2,393,033
DHS	WRC	Woodward Resource Center Replace Air Handlers in Three Buildings Replace air handlers and service and supply lines for heating and cooling in Grandwood, Westwood, and Larches building.	\$0	\$0	\$283,371	\$283,371	\$283,372	\$850,114
DHS	Cherokee MHI	Cherokee Mental Health Institute Motor Pool Renovation Insulate and make structural improvements to motor pool building.	\$0	\$0	\$50,000	\$353,656	\$353,656	\$757,312
DHS	Independence MHI	Independence Mental Health Institute Infirmary Roof Replacement/Repair Repair Infirmary Building roofing, replace existing asphalt shingles with metal shingles.	\$0	\$0	\$300,000	\$0	\$0	\$300,000
DHS	Independence MHI	Independence Mental Health Institute Infirmary Masonry Repair Project consists of removing deteriorating mortar and tuck pointing, caulking around windows and in movement cracks, rebuilding deteriorating stone to original shape (Phase 1 in FY19, Phase 2 in FY20).	\$0	\$0	\$200,000	\$205,000	\$0	\$405,000
DHS	Eldora	State Training School Tunnel Repairs and Replacement of Tunnel Sections Project would repair approx. 5000 ft. of tunnel sections throughout the facility. Project would repair or replace section of the tunnel that were determined by HR Green study to need significant repairs. Tunnel repair would also include an upgrade to the tunnel ventilation system. Estimates for project costs are based on the 1999 HR Green study. No additional support/personnel costs.	\$0	\$0	\$1,227,590	\$1,001,455	\$1,001,455	\$3,230,500

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Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
DHS	GRC	Glenwood Resource Center Window Replacement in Buildings 101, 106, 111, 119 and 121 Replacement of windows throughout Buildings 101, 106, 111, 119 and 121.	\$0	\$231,099	\$231,099	\$231,099	\$231,100	\$924,397
DHS	Independence MHI	Independence Mental Health Institute Infirmery Window and Door Replacement Replacement of windows and doors throughout Infirmery Building.	\$0	\$0	\$0	\$150,000	\$225,000	\$375,000
DHS	Independence MHI	Independence Mental Health Institute Witte Sprinkler System Installation Project consists of installing automatic fire sprinkler system throughout building.	\$0	\$0	\$0	\$0	\$705,000	\$705,000
DOC	5th Judicial District	Des Moines Residential In response to the needs of the State of Iowa, and the initiatives of the Governor, we recommend a residential facility expansion to be housed with a One Stop Reentry program based data driven decisions for treatment, reentry, recidivism reduction, the over representation of African Americans and the mentally ill in our corrections system. Having these programs, Residential Services and One Stop Reentry located and delivered in a single location provides a comprehensive, seamless correctional system for successful reentry. Utilizing this integrated approach to corrections better utilizes community services, sanctioning alternatives and can reduce both the incarceration rate as well as recidivism.	\$15,703,495	\$10,468,996	\$0	\$0	\$0	\$26,172,491
DOC	Anamosa	Anamosa State Prison - Locking System Study The locking system in living units at Anamosa dates to the 19th century (i.e.; 1870's). It is very unique, may be one of a kind, and parts cannot be purchased and must be produced to maintain functionality. The locking system provides security for over 1,000 medium to maximum security offenders on a daily basis and failure of this system provides an undue hardship to public, staff and offender safety. The locking study begins the process to address necessary security measures through a certified/licensed designers and engineers in this field of expertise.	\$500,000	\$0	\$0	\$0	\$0	\$500,000
DOC	Clarinda	Clarinda Correctional Facility Kitchen / Visiting Room Expansion The current dietary system is not conducive to safe operation with offender workers and following mandatory regulations in a correctional environment. A new "modern day" dietary system is the most effective way to meet the regulations and standards pertaining to building and health codes. Offender visitation area is inadequate, based on American Correctional Association (ACA) standards. Visiting room dimensions are 24 X 48 (1152 sq.ft), which only allows space for 48 people in this area at one time in the main facility. Currently the facility violates security practices by offenders and visitors entering the visitation area through points that create security risks. Visitation improvements will promote security and safety of staff, offenders, and the public while strengthening the department efforts on reentry and family reunification.	\$9,424,249	\$6,282,832	\$0	\$0	\$0	\$15,707,081
DOC	Anamosa	Anamosa State Prison - Fire Escape DPS Fire Marshal Prevention Inspectors have noted that the lack of a fire escape on Living Unit B is a fire safety violation on each of the past 13 annual inspections. Request provides necessary funds to construct egress in accordance with 2009 International Fire Code, and design and construction will be reviewed and approved by State Building Code Bureau.	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
DOC	8th Judicial District	Burlington Residential Increasing bed space at the Burlington Residential Facility (BRF) from 60 to 85 will have an immediate impact on facility bed utilization and potentially reduce recidivism through increased safety and treatment. The BRF currently cannot house female offenders, forcing all female offenders in the 8th District to be sent to the Ottumwa Facility. This routine is contradictory to evidence based practices and the Iowa DOC Reentry model. The BRF is also the oldest residential facility in the DOC. The building is in dire repair, requiring tens of thousands of dollars in maintenance annually. Security systems are antiquated and lines of sight are impaired. A structural engineer has reported that a significant portion of the building structure has failed and requires ongoing repairs. Vacating a portion of the building continues to be assessed. Staffing reductions over the last few years have exacerbated these issues and directly impacted the safety and security of staff and offenders alike.	\$5,603,736	\$3,735,824	\$0	\$0	\$0	\$9,339,560

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Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
DOC	Statewide	Deferred Maintenance Community Based Corrections State funded community based facilities face challenges keeping pace with infrastructure needs and ongoing maintenance. Other fixed costs, such as food, utilities, have been expended to keep pace with daily operations. A significant backlog of maintenance projects has occurred.	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
DOC	1st Judicial District	Waterloo One Stop Re-Entry Center This offer would construct a One Stop Reentry Center to provide men under supervision a positive environment for supervision and services aimed at reducing risk to reoffend, much like the Waterloo Women's Center for Change does for women but will not include residential beds. The Center will provide offender treatment interventions and collaborate with community and faith-based organizations to effectively engage multiple stakeholders in addressing needs to reduce the likelihood to reoffend. Services will be expanded and more accessible. It would provide structure, supervision, and services to men under supervision in order to allow them to stay in their community while maintaining public safety. The Center will specifically be designed to be responsive to the needs of mentally ill and African American men who are under community supervision to allow continued reduction in recidivism rates for these populations.	\$4,545,947	\$3,030,630	\$0	\$0	\$0	\$7,576,577
DOC	Statewide	Deferred Maintenance Institutions After extensive security audits were completed at DOC facilities, it was found that there are many corrections that must be made. A significant backlog of major maintenance projects has occurred.	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000
DOC	2nd Judicial District	Ames & Marshalltown Residential Second District is requesting a project to construct a new residential and treatment center with a total of 70 beds (40 male and 30 female beds to meet all the female residential needs districtwide in one facility with total gender separation) and repurposing of the current Curt Forbes Residential Facility to field probation/parole services and administrative office space. This would create an Ames Community Corrections Center which would eliminate the cost of ongoing rental office space in Ames and allow for consolidated field, administrative and residential services within the Ames community. A relocation of office space is needed in Marshalltown in order to consolidate services and utilize tax dollars more efficiently. Currently, the District is spending approximately \$38,000 per year to rent office space in Marshalltown. The lease will expire in January 2016. The District currently owns a surplus of land around the Marshalltown Residential Facility. Constructing a new building on the grounds of the existing Marshalltown Residential Facility and relocating field services to this building would create a Marshalltown Community Corrections Center which would provide for more efficient and effective consolidated field and residential services within the Marshalltown community and eliminate the cost of ongoing office space rental in Marshalltown.	\$6,705,706	\$4,470,470	\$0	\$0	\$0	\$11,176,176
DOC	Anamosa	Anamosa State Prison - Relocate Education Department to Old Dietary Building This request is to remodel the old kitchen area into a school and library. The current school and small library are located in a building that has steps to the first floor. The small library is on the first floor. The school is on the 2nd and 3rd floors. ASP failed the Correctional Education Association accreditation inspection because the library is not accessible to all offenders and the size is considerably small for the institution population. The old kitchen area consists of three areas that are approximately a total of 4,915 sq. ft. The area has ground floor access which would allow disabled offenders access to the school and library.	\$98,000	\$0	\$0	\$0	\$0	\$98,000

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Projected 5-Year Total
FY17-21

Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
DOC	Anamosa	Anamosa State Prison - Boiler Replacements & Enclosure The Power Plant at the Anamosa State Penitentiary was equipped with 3 1950's large boilers, two 900 hp and one 1,000 hp. The 1,000 hp boiler, Boiler #3, was taken out of operation years ago due to control repairs and unreliability. A 4th smaller 500 hp boiler was added in 2010 to be used during non-peak seasons. On September 23, 2012, there was a fire inside of boiler #1 resulting in extensive damages which made the unit inoperable. The short term fix was to move the controls from the #1 boiler to the #3 boiler and get that boiler up and running again. This was accomplished and for a short time the institution had redundancy in place, having two large boilers operable during the winter months. However, the State boiler inspector will not allow Boiler #3 to be put back into service without inspecting all tubes and cleaning them as necessary. The institution was advised by boiler contractors not to remove the caps as they might not seal when re-installed. There is no good way to clean the tubes. The accessible tubes were borescoped. All of the tubes had significant debris and half were plugged closed. Some of the tubes showed signs of leakage. The age of the only operational boiler remaining is a cause for worry as it is the same age as Boiler #1 that had the fire and Boiler #3 that is beyond repairing. The facility is now down to 1 large boiler and 1 smaller boiler. In the dead of winter, the facility requires both large boilers to fully heat the facility and provide steam for the kitchen. While some work has been completed to automate the Power Plant, the boiler manufacturer would not attempt to convert the large boilers to complete automation due to their age. When there is a power loss at the institution, the large old boilers do not automatically restart. This could lead to a delay in boiler operation as staff must be called to the facility to begin the boiler start up process. If staff are delayed in getting to institution due to weather, that would mean a long delay in resuming steam operation and the inability to supply heat to the institution. This request is to replace the large boilers (only 1 of which is functional) with two sets of energy efficient smaller package boilers; two 600 hp and two 300 hp. This project would include a building addition to house the new boilers. The package boiler system must be adequately sized to handle the entire peak load and provide redundancy. The new boilers would run much more efficiently than our current boilers leading to operational savings, but more importantly, replacing the old boilers with new will enable the facility to have redundancy during the peak winter months, which it no longer has.	\$1,050,000	\$2,450,000	\$0	\$0	\$0	\$3,500,000
DOC	Anamosa	Anamosa State Prison - Water Treatment System Two new wells were drilled and put into operation at the Anamosa State Penitentiary several years ago. The radium level in one of the wells exceeds allowable limits and the water must be treated in order to be potable. In December 2012, we were directed by the DNR shut down this well until a proper treatment system was installed to maintain an acceptable radium level. The DNR requires an additional well for backup in case of contamination and only one is usable at this time. Water is purchased in emergencies from the City of Anamosa, incurring additional expense on the institution. This request is to put in place the water treatment system that is needed to begin using the well again.	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
DOC	Anamosa	Anamosa State Prison - Luster Heights Water Well The DNR states the Luster Heights wells do not meet codified water works language 7.2.2.a which requires an additional well for backup in case of contamination and the site's existing water storage is not sufficient for the population. In addition to the DNR citations, the existing well pump runs non-stop. The pump cannot supply necessary water pressure needed and must be maintained on a continuous basis with annual or biannual pump replacement.	\$505,000	\$0	\$0	\$0	\$0	\$505,000
DOC	Clarinda	Clarinda Mental Health Institute Tunnel Repair Replace or delete tunnel from Main Building to SW wing of Main Building.	\$0	\$1,169,600	\$0	\$0	\$0	\$1,169,600
DOC	Clarinda	Clarinda Mental Health Institute Tuckpointing of Main Building Tuck point the remaining main building areas that were not completed in 2009 to prevent further damage and moisture invasion.	\$0	\$667,362	\$667,362	\$667,363	\$667,363	\$2,669,450
DOC	Clarinda	Clarinda Mental Health Institute Main Building Center Hall Window Replacement Replace 1885 windows with new efficient windows of the same style.	\$0	\$0	\$0	\$162,150	\$162,150	\$324,300

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Projected 5-Year Total

Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
DPS	Statewide	Field Offices Repair, Improvement and Replacement	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000
ILEA	Johnston	Iowa Law Enforcement Academy Replace Dorm HVAC Plumbing The HVAC plumbing is original to the building and multiple valves throughout the building are leaking, which is causing damage to ceilings and room finishes below. This project will replace the piping, deteriorated or missing insulation, and repair ceilings and walls.	\$700,000	\$0	\$0	\$0	\$0	\$700,000
ILEA	Johnston	Iowa Law Enforcement Academy Repair Administration Building HVAC One of the 2 compressors that serves the administration building air conditioning system is no longer functioning, which leaves the building without adequate cooling capacity.	\$30,000	\$0	\$0	\$0	\$0	\$30,000
ILEA	Johnston	Iowa Law Enforcement Academy Replace Building Windows Existing windows are single-pane and have deteriorated to the point where some exterior seals are hanging from the frame and water infiltration is damaging interior sills and drywall. There is some rust around the steel frames on the interior and interior window sills are buckling. This project would replace all windows with new weather-tight and energy-efficient windows and repair damage caused by water infiltration.	\$760,000	\$0	\$0	\$0	\$0	\$760,000
ILEA	Johnston	Iowa Law Enforcement Academy Interior Lighting Upgrade The current T12 lighting is outdated and inefficient. T12 lamps and magnetic ballasts are no longer allowed to be manufactured or imported, so finding lamps and ballasts for normal replacement is becoming difficult. This project would replace the lighting throughout with new energy-efficient LED lighting.	\$0	\$150,000	\$0	\$0	\$0	\$150,000
ILEA	Johnston	Iowa Law Enforcement Academy Replace Boiler One of the building's original boilers installed in 1969 is beginning to deteriorate and the boiler inspector said it may not pass the 2016 inspection. If this boiler is not operational, the facility will be forced to rely on one boiler for heating and will have no back-up if the other 1969-vintage boiler fails.	\$90,000	\$0	\$0	\$0	\$0	\$90,000
ILEA	Johnston	Iowa Law Enforcement Academy Weight Room and Armory Ventilation Upgrade The ventilation system needs to be reviewed and upgraded because high humidity levels are causing issues with equipment in the armory.	\$316,000	\$0	\$0	\$0	\$0	\$316,000
ILEA	Johnston	Iowa Law Enforcement Academy Store Room and Weight Room Waterproofing Excavate exterior walls, apply waterproofing, and install perimeter drainage tile to remediate drainage issues. Replace deteriorated ballasted roof, which is currently leaking into the building near an electrical panel.	\$113,600	\$0	\$0	\$0	\$0	\$113,600
ILEA	Johnston	Iowa Law Enforcement Academy Bathroom Remodel to Provide ADA Access ILEA does not have any ADA-accessible bathrooms. This project would remodel one pair of main floor bathrooms to provide accessible facilities.	\$0	\$21,000	\$0	\$0	\$0	\$21,000
IPTV	Johnston	Transmitter Sites, Studio Headquarters and Administration Building Capital Improvements Capital improvements at Iowa Public Television's transmitter sites, studio headquarters and administration building. Projects include, but are not limited to, painting and relamping the KHIN tower, replacement of air conditioning units at various sites, building caulking, restroom renovation, driveway repair at KSIN, and parking lot repair at the studio headquarters.	\$742,500	\$110,000	\$0	\$0	\$0	\$852,500
IVH	Marshalltown	Iowa Veterans Home Heinz Hall Ongoing Upgrades Provides funding for continued renovations after completion of 2016 Comprehensive Plan repairs. IVH will use our Comprehensive Master Plan Funding from IJOBS for some upgrades to keep this building waterproof, fire safe, and comfortable for residents.	\$0	\$0	\$0	\$2,500,000	\$0	\$2,500,000
Totals for All Agencies			\$144,248,676	\$172,366,344	\$90,539,779	\$121,179,824	\$106,420,025	\$634,754,647
<i>Total Without Major Maintenance Projects</i>			<i>\$110,659,637</i>	<i>\$149,598,989</i>	<i>\$71,761,510</i>	<i>\$71,872,969</i>	<i>\$80,557,370</i>	<i>\$484,450,475</i>

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Agency	Location	Project Title	FY2017	FY2018	FY2019	FY2020	FY2021	Projected 5-Year Total FY17-21
Critical projects in lieu of full building renovation								
DAS	Capitol Complex	Historical Building Exterior Wall Repairs Address the remaining repairs to the exterior granite wall panels in FY2017. \$1.2 million was appropriated in FY12 for initial critical repairs to the exterior granite wall panels and facility planning efforts. (There were two studies done in conjunction with the Historical Building, one by the Lord Cultural Resources along with the Ryan Companies US INC. From these studies it was determined what options to consider and the costs for these options.)	\$1,939,590	\$0	\$0	\$0	\$0	\$1,939,590
DAS	Capitol Complex	Wallace Building Elevator Replacement Complete replacement of elevator # 1,2,3 & 4. In FY15, the Wallace elevators had 41 service calls for not operating and 3 service calls for people being entrapped.	\$1,351,296	\$0	\$0	\$0	\$0	\$1,351,296
DAS	Capitol Complex	Historical Building Roof Replacement Remove the old roof system and insulation, install new roofing insulation and roof system. Repair parapet walls and tuckpoint as needed.	\$0	\$0	\$0	\$1,550,760	\$0	\$1,550,760
DAS	Capitol Complex	Historical Building Chiller Replacement Replace the primary chiller and the chiller/heat pump as they have passed the life expectancy of the equipment.	\$0	\$0	\$0	\$1,281,822	\$0	\$1,281,822
DAS	Capitol Complex	Replace Historical Building Controls with Direct Digital Controls The current pneumatic control system is outdated and failing, threatening environmental control for State historical museum exhibits and artifacts.	\$0	\$0	\$0	\$1,908,180	\$0	\$1,908,180
DAS	Capitol Complex	Historical Building Skylight Replacement Replacement of the skylight system in the Historical Building. (There were two studies done in conjunction with the Historical Building, one by the Lord Cultural Resources along with the Ryan Companies US INC. From these studies it was determined what options to consider and the costs for these options.)	\$0	\$0	\$1,035,000	\$1,797,578	\$0	\$2,832,578
DAS	Capitol Complex	Historical Building Boiler Replacement Replace the two electric hot water boilers and the one electric steam boiler for humidification as these three boilers have passed the life expectancy of an electric boiler by 11 years.	\$0	\$0	\$0	\$438,916	\$0	\$438,916
DAS	Capitol Complex	Wallace HVAC Systems Renovations Complete renovation for the HVAC Systems with DDC Controls in the Wallace Building. Actual scope and costs to be determined by the engineering study and design.	\$0	\$0	\$0	\$11,303,746	\$7,535,830	\$18,839,576
Total for Both Buildings			\$3,290,886	\$0	\$1,035,000	\$18,281,001	\$7,535,830	\$30,142,718

