

Working Document DRAFT
Major Maintenance Project Requests

Printed 9/04/2018

Recently Funded Project Requests

Row #	Priority	Immediacy	Agency	Facility	Project Request Title	Funding Request	Comments	Funding Notes	Running Total
N/A	N/A	N/A	DAS	Capitol Complex	Historical Building Roof and Skylight Replacement FY19	\$ 3,300,000	SF2414 Allocated up to \$3,300,000 for roof replacement	Funded FY19 MM19	\$ 3,300,000
N/A	2) Damage	A) Now	DOC	IMCC	North Additional Lower Level and North Link Roof Replacements	\$ 940,000	Funded replacement of additional roof levels when design phase determined that additional levels of the north addition roofs were actively leaking in multiple locations and funding became available.	Funded FY19 MM19	\$ 4,240,000
N/A	2) Damage	A) Now	DOC	MPCF	Window Replacement - West	\$ 1,575,000	Funded additional windows that design phase determined to be in need of replacement when funding became available.	Funded FY19 MM19	\$ 5,815,000
N/A	2) Damage	A) Now	DAS	Capitol Complex	Capitol Complex Water Infiltration Remediation	\$ 510,000	July 2018 storm damage caused significant water infiltration and interior damage at the Hoover and Historical buildings. 29C20 should reimburse a majority of the cost.	Funded FY19 MM19	\$ 6,325,000
N/A	2) Damage	A) Now	DOC	IMCC	Boiler Upgrades	\$ 1,700,000	Replace current boilers and DA tanks. In 2017, 2 of the 3 boilers needed significant repairs due to interior structural damage. Currently IMCC has 3 Vapor power boilers which are undersized and operate at 70-100% load. Because of this, the facility experiences reduced steam pressure in their systems resulting in hot water fluctuations, traps working improperly and sometimes heating issues. #1 boiler is 250 hp, #2 boiler is 150 hp and #3 boiler is 150 hp. DA tanks require internal inspections (requires shut down of tank) every other year and without a redundant tank, boiler feed water is required to bypass the DA tank during the inspection. A boiler evaluation was funded in 2017 to determine scope, budget and urgency of replacement. 2 of the 3 boilers required significant repair again in 2018.	Funded FY19 MM19	\$ 8,025,000
Subtotal Funded FY19						\$ 8,025,000			

Unfunded Project Requests

Row #	Priority	Immediacy	Agency	Facility	Project Request Title	Funding Request	Comments	Funding Notes	Running Total
1	1) L/H/S	A) Now	DHS	State Training School - Eldora	Tunnel Shoring and Decentralization Design	\$ 635,000	There are five (5) locations where vehicles can pass over a section of utility tunnel that currently have wide horizontal cracks in unreinforced concrete walls. If vehicular loading is large enough the tunnel may collapse without warning. These five locations should either be closed to vehicular traffic or have wall shoring installed to prevent tunnel collapse. Also include schematic design for the entire tunnel decentralization, which may change the current phasing plan, and detailed design for phases 1 and 2.	Planned FY19	\$ 8,660,000
2	1) L/H/S	A) Now	DCA	Centennial Building	Tuckpoint South and West Facades and Repair Main Entry	\$ 110,550	The sidewalk and stairs leading to the main entrance (ADA) are crumbling, creating potential tripping issues. Retaining walls are breaking down, and some of the handrail supports are rusted. Areas on the south and west facades have some missing mortar and show evidence of moisture infiltration. Project includes tuckpoint, stone repair, partial concrete walk replacement, partial handrail replacement, resetting stone, and sealants.	Planned FY19	\$ 8,770,550
3	2) Damage	A) Now	DAS	Capitol Complex	Capitol West Drive Repair	\$ 255,000	Repair spalled areas of Capitol West Drive. Broken pavers were addressed in separate project.	Planned FY19	\$ 9,025,550
4	2) Damage	A) Now	DAS	Capitol Complex	Replace Parking Lot 3, Including New Lighting	\$ 1,553,181	Lot 3 has buckled in several place, creating large pot holes. There are lots of sunken in spots from heavy loading and wide joint and settlement cracks. Light pole heads have been replaced	Planned FY19	\$ 10,578,731
5	2) Damage	A) Now	DHS	Glenwood	Lacey Roof Replacement	\$ 350,000	Flat roof end of life, water infiltration. The east wing is currently leaking and parts are pulling away from the parapet wall. The west wing continues to leak despite repair attempts. The south wing membrane has become detached and has started lifting up in heavy winds, resulting in movement of the underlying insulation. Facility has weighted roof down with tires.	Planned FY19	\$ 10,928,731
6	2) Damage	A) Now	DOC	Mt. Pleasant	Replace Building 20 Roof	\$ 375,000	The roof has been patched and it is a constant patch following a rain. The roofing material is shrinking and pulling away from the parapet walls. Membrane has become detached and facility is weighting with sandbags, so full replacement is now needed.	Planned FY19	\$ 11,303,731

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7	2) Damage	A) Now	DHS	Glenwood	Replace Roof on Bldg 212	\$ 48,125	Per a recent inspection, the EPDM roof is in poor to failing condition. Previously performed repairs look good and the field membrane on the south and middle two-thirds of the roof look acceptable for its age. The inner vertical wall flashings and sealant at the termination bar are holding well. There is a significantly delaminated area in the north and west part of the roof (approximately 45'x 30'). Maintenance personnel installed weights on the roof that appears to have help significantly. The roof leaks after every rain and the membrane has become detached and is weighted down with tires.	Planned FY19	\$ 11,351,856
8	2) Damage	A) Now	DHS	Glenwood	Replace Roof on Bldg 121	\$ 55,000	Per a recent inspection, the EPDM roof is in poor to failing condition. There are areas where the termination bar has been refastened and caulk applied. There are patches where previous repairs have been performed. The north side of the parapet wall flashing and field membrane are detached and pulling significantly. There are multiple holes in the field membrane and the insulation is beginning to crown. Not currently leaking, but the membrane has become detached and is weighted down with tires.	Planned FY19	\$ 11,406,856
9	2) Damage	A) Now	DOC	Newton CF	NCF - Building H Roof Replacement (Support)	\$ 805,000	Patching on the roof has happened and nearing the end of life cycle. FY19 facility submitted 29C20 for repair after storm damage (approximately 10 - 15% of the total roof).	Planned FY19	\$ 12,211,856
10	2) Damage	A) Now	DOC	Newton CF	NCF - Living Unit A Roof Replacement	\$ 287,500	Roof continues to leak and efforts to repair create new leaks.	Planned FY19	\$ 12,499,356
11	2) Damage	A) Now	IDOC	IMCC	Fire Exit and External Door on Building Replacement	\$ 180,000	IMCC has approximately 20 fire (external) exits and 4 other external doors that are in various stages of disarray. Rust is occurring on doors and door frames. Doors are also remotely operated from our Master control area and do alarm when open. Estimate \$7500/door.	Planned FY19	\$ 12,679,356
12	2) Damage	A) Now	DOC	Clarinda	Tuckpointing Main Building Evaluation	\$ 75,000	Need to evaluate if tuckpointing project can be done in phases and prioritize work. Water infiltration is occurring.	Planned FY19	\$ 12,754,356
13	2) Damage	A) Now	DOC	Newton CF	Replace Roof on Old Administration Building and Dorm 4 and Dorm 3 Restrooms.	\$ 115,000	The membranes on these areas are over 25 years old and are leaking. These areas were alternates on the last roofing project and did not get done due to the lack of funds.	Planned FY19	\$ 12,869,356
14	2) Damage	A) Now	DOC	Newton CF	CRC - Non-Admin Roof Replacement	\$ 657,800	8/2018 roof now has significant leaks, damaging building interior.	Planned FY19	\$ 13,527,156
15	2) Damage	A) Now	DOC	North Central CF	Unit C Stucco	\$ 75,000	Stucco on the building is cracking and water damage is causing pieces of stucco to fall off building. Water is leaking inside the building. Repairs to the stucco is needed.	Planned FY19	\$ 13,602,156
16	2) Damage	A) Now	DHS	State Training School - Eldora	Kitchen Tuckpointing	\$ 350,000	Building exterior is in critical need of tuckpointing repairs. Updated budget to cover additional tuckpointing needs - moderate to deep tuckpointing of 70% of the exterior masonry joints and replacement of 1% of the masonry due to missing or broken bricks.	Planned FY19	\$ 13,952,156
17	2) Damage	A) Now	DOC	Ft Dodge CF	Building H Sewer Line Replacement	\$ 1,250,000	2017 repair of a sewer line break under the dishwasher room floor determined the cast iron pipe is deteriorated and leaking. This break was repaired but an evaluation of the entire kitchen and laundry sewer piping found breaks in multiple different areas and recommended full replacement.	Planned FY19	\$ 15,202,156
18	2) Damage	A) Now	DHS	Independence	Reynolds Masonry Repair Phase 4	\$ 850,000	Areas of missing mortar and loose stone. Some gaps are so large that birds are getting into the building.	Planned FY19	\$ 16,052,156
19	2) Damage	A) Now	DHS	WRC	Linden Court Roof Replacement	\$ 300,000	Approximately 8,100 sf membrane roof and steel decking. Roof is delaminating and leaking. Insulation appears to be saturated, steel decking is highly corroded in several places and the plaster ceiling of the hallway below the roof is deteriorating and some areas have failed and fallen off the ceiling.	Planned FY19	\$ 16,352,156
20	2) Damage	A) Now	DHS	WRC	104 Franklin Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout. 8/2018 significant damage and leaking after May hailstorm.	Planned FY19	\$ 16,407,156
21	2) Damage	A) Now	DHS	WRC	200 Franklin Roof Replacement	\$ 55,000	Leak not resolved over staff bathroom, but facility plans to repair. 8/2018 began leaking in multiple areas.	Planned FY19	\$ 16,462,156

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22	2) Damage	B) < 1 yr	DHS	State Training School - Eldora	Fire Panels Replacement	\$ 250,000	Installed in 1990. Twelve panels (Simplex 4001) no longer have parts available. Three panels (Simplex 4010) are difficult to find parts, beginning to experience problems. Budget is only to replace the 15 panels and associated addressable devices, more scope may be needed if the buildings are required to be brought up to code or new panels must be networked with fiberoptic cable. The headend system has already been replaced with a Notifier system that monitors all panels. If one of the previously mentioned panels were to go down, we would either not be able to fix it due to lack of parts or have to wait many weeks for parts to be found.	Planned FY19	\$ 16,712,156
23	2) Damage	B) <1 yr	DHS	Glenwood	Building 102 Tuckpointing Phase 2	\$ 250,000	Tuckpointing was designed as part of the original Building 102 tuckpointing project, but needs in this area are not as immediate. Should be addressed in FY19.	Planned FY19	\$ 16,962,156
24	2) Damage	B) <1 yr	DOC	Mt. Pleasant	North Core Window Replacement	\$ 725,000	The frames are heavily rusted, most windows cannot be opened. Rain and insects have points of penetration. Need to refine budget.	Planned FY19	\$ 17,687,156
25	2) Damage	B) <1 yr	DOC	Mt. Pleasant	North Core Plumbing Replacement	\$ 350,000	Pipe capacity is severely diminished, drain waste vent is inadequate, pipe covering contains asbestos and will need to be abated.	Planned FY19	\$ 18,037,156
26	2) Damage	B) <1 yr	DOC	North Central CF	Tuck Pointing Living Unit D	\$ 670,000	Mortar missing and block has come loose and in the process of coming off the building due to water running into the areas that have no mortar.	Planned FY19	\$ 18,707,156
27	2) Damage	B) <1 yr	DHS	Cherokee	Repair Main Building to Ginzberg Tunnel	\$ 600,000	Evidence of water infiltration, concrete deterioration in several areas where rebar is exposed. Not critical yet (7/2014), but could deteriorate quickly and be much more expensive to replace than repair. Recent site visit determined Ginzberg tunnel is in worse shape than the Voldeng tunnel. Tunnel cap is also a sidewalk.	Planned FY19	\$ 19,307,156
28	2) Damage	B) <1 yr	DHS	Cherokee	Repair Main Building to Voldeng Tunnel	\$ 640,000	Evidence of water infiltration, concrete deterioration in a few areas where rebar is exposed. Not critical yet (7/2014), but could deteriorate quickly and be much more expensive to replace than repair. Recent site visit determined this tunnel is not as bad as Ginzberg tunnel. Tunnel cap is also a sidewalk.	Planned FY19	\$ 19,947,156
29	2) Damage	B) <1 yr	IPTV	6450 Corporate Dr	Repair Roof	\$ 65,000	To prevent ice damming on a rubber membrane roof that backs up each winter and causes leaks inside the building; four openings.	Planned FY19	\$ 20,012,156
30	2) Damage	B) <1 yr	DHS	Independence	Replace Roof on Storage Building	\$ 75,000	The roof is leaking and damaging the stored contents. The current shingles are asbestos and would need to be abated to replace with shingles. Project to evaluate options.	Planned FY19	\$ 20,087,156
31	2) Damage	B) <1 yr	DVA	Iowa Veterans Home	Receiving Dock Retaining Wall and Drive Replacement	\$ 256,000	The retaining wall and drive leading to the receiving dock at Quartermaster is crumbling. Rebar is showing on a retaining wall.	Planned FY19	\$ 20,343,156
32	2) Damage	B) <1 yr	DHS	Glenwood	Tunnel Repair - Lacey Street	\$ 500,000	Water infiltration deteriorating the tunnel top and pipe supports.	Planned FY19	\$ 20,843,156
33	2) Damage	B) <1 yr	DOC	Mt. Pleasant	Building 20 Plumbing Replacement	\$ 225,000	Pipe capacity is severely diminished, drain waste vent is inadequate, pipe covering contains asbestos and will need to be abated. Additionally the active leaks are causing facility damage. NOTE again this building will be housing minimum live outs.	Planned FY19	\$ 21,068,156
34	2) Damage	B) <1 yr	DOC	Mt. Pleasant	Kitchen Dishwasher Vent Replacement	\$ 18,750	This leaks condensation into the clean kitchen, dish area. This is causing damage to the ceiling tiles.	Planned FY19	\$ 21,086,906
35	2) Damage	B) < 1 yr	DHS	Independence	Reynolds Building Hot Water Pipe Replacement	\$ 25,000	Replace original cast iron pipe that is in poor condition and add isolation valves (currently need to shut off water to the Witte building, kitchen and power plant in order to repair anything). 8/2018 leak was only able to be temporarily fixed, due to the poor condition of the existing pipe.	Planned FY19	\$ 21,111,906
36	2) Damage	B) <1 yr	DOC	Ft Dodge CF	H - Building Roof Replacement	\$ 850,000	1996 roof - rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (64,709 sq.ft.). Requires leak repairs at least every Spring.	Planned FY19	\$ 21,961,906
37	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Cedar Unit Roof	\$ 375,000	1996 roof - rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (29,296 sq.ft.). Requires leak repairs at least every Spring.	Planned FY19	\$ 22,336,906
38	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Emmet Unit Roof	\$ 337,500	1998 roof (26,480 sq.ft.). Attached to Dolliver Unit and Education Building. Rubber starting to crack, tears easily. Requires leak repairs at least every Spring.	Planned FY19	\$ 22,674,406
39	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Dolliver Unit Roof	\$ 337,500	1998 roof (26,480 sq.ft.). Attached to Emmet Unit and Education Building. Rubber starting to crack, tears easily. Requires leak repairs at least every Spring.	Planned FY19	\$ 23,011,906
40	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Education Roof and Remove Skylights	\$ 250,000	1998 roof - skylight flashing continues to leak into building - ongoing repairs as leaks develop (19,399 sq.ft.) Attached to Emmet and Dolliver Units. Rubber starting to crack, tears easily. Requires leak repairs at least every Spring.	Planned FY19	\$ 23,261,906

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41	2) Damage	B) <1 yr	DOC	Mt. Pleasant	Elevator C	\$ 220,000	Door tracking system is extremely worn. Has been retrofitted. Car is past life expectancy. No longer stores calls. Does not have phase one fire recall. Schumacher has said it is now critical.	Planned FY19	\$ 23,481,906
N/A	N/A	N/A	N/A	N/A	Contingency Funds	\$ 1,000,000	Hold contingency funds of \$1,000,000.	Planned FY19	\$ 24,481,906
Subtotal Planned FY19						\$ 16,456,906			
42	2) Damage	C) > 1 yr	DAS	Capitol Complex	Historical Building Roof and Skylight Replacement FY20	\$ 3,300,000	SF2414 allocated up to \$3,300,000 for roof replacement in FY2020.	Planned FY20	\$ 27,781,906
43	2) Damage	B) <1 yr	DOC	North Central CF	Repair of Tunnel	\$ 600,000	There is quite a bit of damage over the years, but repair of side walls will reinforce the utility lines for the operations. There is also asbestos throughout tunnel area. 3/2015 Several areas damaged, large patches of concrete have fallen in from the ceiling, lighting and conduit are hanging without support due to the soft and brittle concrete being unable to hold anchors. This tunnel is the lifeline through the campus, carrying all data cables, water, and steam. Immediate repair is necessary to prevent severe damage to one or all of these critical systems.	Planned FY20	\$ 28,381,906
44	2) Damage	B) <1 yr	DOC	Newton CF	Building Automation System Update	\$ 184,000	Replacement parts are obsolete, can no longer obtain from manufacturer	Planned FY20	\$ 28,565,906
45	2) Damage	B) <1 yr	DHS	Glenwood	Evaluate Water Mains and Shut-offs	\$ 50,000	Need to evaluate to determine current condition of underground water service lines and identify reason for lack of adequate water delivery/pressure between water tower and booster station to residential houses.	Planned FY20	\$ 28,615,906
46	2) Damage	B) <1 yr	DHS	Glenwood	Replace Roof on Storage Building	\$ 75,000	The roof is missing shingles, leaking and damaging the stored contents. The current shingles are asbestos and would need to be abated to replace with shingles.	Planned FY20	\$ 28,690,906
47	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Boone Unit Roof	\$ 375,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (29,296 sq. ft.)	Planned FY20	\$ 29,065,906
48	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Floyd Unit Roof	\$ 387,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (30,563 sq.ft.)	Planned FY20	\$ 29,453,406
49	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Grove Unit Roof	\$ 375,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (29,296 sq.ft.)	Planned FY20	\$ 29,828,406
50	2) Damage	B) <1 yr	DAS	Capitol Complex	Historical Building Lower Level Collection & Archive Storage Area Repairs	\$ 415,000	These sensitive areas will be augmented to bring the storage environments to within museum standards to minimize both humidity and temperature fluctuations in these areas. Concrete walls, ceilings, and floors will be sealed to mitigate 'dusting' that is currently damaging collections.	Planned FY20	\$ 30,243,406
51	2) Damage	B) <1 yr	DOC	Clarinda	Tuckpointing Main Building	\$ 2,669,450	Can be done in stages as before. Minor portion completed 2009, majority remains. Some brick façade and mortar missing. Recent site visit determined there is now water infiltration.	Planned FY20	\$ 32,912,856
52	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Tunnel Decentralization - Phase 1	\$ 2,570,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Study recommended temporary shoring to address the critical issues, but the tunnels should be decentralized within five years. Phase 1 (FY 2020) would include construction of water main, gas main, communication line distribution and mechanical equipment needed to decentralize the Canteen/Laundry, Kitchen, and General Supply and Tunnel B and building service tunnels. Phase 1 design included in temporary shoring project. Phasing to be finalized during design.	Planned FY20	\$ 35,482,856
53	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Tunnel Decentralization - Phase 2	\$ 4,644,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Temporary shoring will address the critical issues, but the tunnels should be decentralized within five years. Phase 2 (FY 2021) would include design and construction of water main, gas main, communication line distribution and mechanical equipment needed to decentralize Cottages 3&4 and School and Tunnel M, South half of Tunnel L, and building service tunnels. Phasing to be finalized during design.	Planned FY20	\$ 40,126,856
54	2) Damage	C) > 1 yr	DOC	North Central CF	Replace Walk-in Freezer in Food Warehouse	\$ 75,000	Current freezer has three walk-in coolers attached to it and only one works. The freezer is too small to meet our needs for the facility.	Planned FY20	\$ 40,201,856
55	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Elevator B	\$ 220,000	The braking system was replaced in 2015, but the rest of the elevator is obsolete and should be replaced. High use.	Planned FY20	\$ 40,421,856
56	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Elevator D	\$ 220,000	Car is past life expectancy. Tracks are worn. Does not have phase one fire recall. Low use.	Planned FY20	\$ 40,641,856

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57	2) Damage	C) > 1 yr	DOC	Newton CF	Replace Hot Water Loop Valves	\$ 287,500	Replace hot water loop valves which are not working properly. System is currently performing; however, failure could impact current operations.	Planned FY20	\$ 40,929,356
58	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Hot Loop Underground Curb Stop Valves Replacement	\$ 300,000	Valves were tested in 2015 and failed to isolate buildings on the loop. In the event that repairs are needed on any portion of the underground heating loop the entire system would have to be drained. The hot loop is used year round to temper the air and heat water. Draining the entire hot loop leaves the facility without heat and hot water plus the expense of chemically retreating the system once it is brought back on line. Draining the hot loop also causes other problems throughout the system as the hot loop cools and contracts causing leaks throughout other parts of the system. In addition to this when leaks are suspected it is impossible to verify or locate leaks without the ability to individually isolate sections.	Planned FY20	\$ 41,229,356
59	2) Damage	C) > 1 yr	DOC	Newton CF	Replace Kitchen Makeup Air Units	\$ 201,250	Beyond life cycle and cannot keep the units running, which causes extensive work orders to complete and ongoing costs. Reranked higher because burners and other parts cannot be found or ordered.	Planned FY20	\$ 41,430,606
60	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 1	\$ 750,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 1 begins the overall design process, focusing on improvements planned for Phase 2. Phasing to be finalized during design.	Planned FY20	\$ 42,180,606
61	2) Damage	C) > 1 yr	DOC	North Central CF	Treatment Center EIFS	\$ 550,000	Water is getting in between the EIFS and building causing it to come loose from the building. With water seeping in between the EIFS and building eventually there will be water damage and possible mold build up inside the building. There is a possibility that the EIFS will start falling of the building.	Planned FY20	\$ 42,730,606
62	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Additional Tunnel Shoring - Sections B, C, L, D, M, A, K and H	\$ 210,000	Due to the age of the tunnel system and its current level of deterioration, additional areas of tunnel may require shoring installed within the next 3 years. Regular maintenance and repair of steam leaks in the tunnel will extend the useful service life of the structure and pipe supports; however, some areas will require attention even with proper maintenance. The order shown is a rough priority order based on the effect that a potential collapse would have on the public, interruption of utilities, etc. A more defined priority order can be established during the design process.	Planned FY20	\$ 42,940,606
63	2) Damage	C) > 1 yr	Terrace Hill	Terrace Hill	Grand Ave Public Parking Lot Wall Repair	\$ 100,000	Retaining walls show signs of deterioration.	Planned FY20	\$ 43,040,606
64	2) Damage	C) > 1 yr	DOC	Clarinda	Tunnel Repair/Replace Main Bldg to SW Wing	\$ 250,000	No pedestrian use inside the tunnel but heavy ped use on top as a walkway. Utility only inside. A recent site visit determined tunnel was not in need of immediate repair. 6/2018 site visit determined waterproofing was needed to stop leaking, but no further structural repair or replacement needed.	Planned FY20	\$ 43,290,606
65	2) Damage	C) > 1 yr	DPS	Post 8	Roof Replacement	\$ 58,806	Post 8 was built in 2007 and has repeatedly lost shingles on the roof due to high winds, most recently in April 2018. The building has an approximate 14,200 sq. ft. roof area it is in an open field with no wind breaks. A contractor advised that the roof has several problem areas where the harsh weather and repeated shingle replacements has taken a toll on the roof. Although the roof is only 11 years old, it currently appears to be a 20+ year old roof and we are going to continue to have problems if we do not replace it soon.	Planned FY20	\$ 43,349,412
66	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 2 & 3	\$ 100,000	2. Reseal all mortar joints and cracks on the walkways on top of stonewalls. 3. Repair stone masonry and install new coping to the top of stonewall on the southwest corner of the south wall.	Planned FY20	\$ 43,449,412
67	2) Damage	C) > 1 yr	DHS	Cherokee	Tuckpointing Phase 2.2	\$ 360,000	Finish north side of main building. Some mortar missing. Some bricks are loose, but none have fallen out.	Planned FY20	\$ 43,809,412
68	2) Damage	C) > 1 yr	DHS	Cherokee	Tuckpointing Phase 2.3	\$ 360,000	Finish south side of main building. Some mortar missing. Some bricks are loose, but none have fallen out.	Planned FY20	\$ 44,169,412
69	2) Damage	C) > 1 yr	DHS	Glenwood	Tuckpointing in Building 119	\$ 180,000	Need to address water infiltration in one section but rest of bldg can be left.	Planned FY20	\$ 44,349,412
Subtotal Planned FY20 \$ 16,567,506									
70	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 4, 5 & 6	\$ 1,080,000	4. Repoint the defective mortar joints on the Administration Building. 5. Repoint all mortar joints on the top half of stonewalls, tuckpoint only the defective mortar joint on the bottom half of the stonewalls. 6. Repoint all mortar joints 100% on the west wall on the school/store room/living unit E.	Planned FY21	\$ 45,429,412

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71	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Tunnel Decentralization - Phase 3	\$ 6,515,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Temporary shoring will address the critical issues, but the tunnels should be decentralized within five years. Phase 3 (FY2022) would include design and construction of water main, gas main, communication line distribution and mechanical equipment needed to decentralize Cottages 5-8, Admin Building, Corbett Miller, and A.E. Shepherd and Tunnels E, F, G, H, J, K, North half of L, and building service tunnels. Phasing to be finalized during design.	Planned FY21	\$ 51,944,412
72	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Tunnel Decentralization - Phase 4	\$ 2,975,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Temporary shoring will address the critical issues, but the tunnels should be decentralized within five years. Phase 4 (FY 2023) would include design and construction of remaining water main, gas main, communication line distribution and mechanical equipment needed to decentralize Powerhouse and Vocational and Tunnels A, C, D, and building service tunnels. Phasing to be finalized during design.	Planned FY21	\$ 54,919,412
73	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 2	\$ 8,500,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 2 includes installation of half of campus gas distribution, Westwood decentralization, complete decentralization of Administration Building, Larches Building, Grandwood Building, and Employees Home, and half of the campus asbestos abatement. Phasing to be finalized during design.	Planned FY21	\$ 63,419,412
74	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 7, 8 & 9	\$ 800,000	7. Secure the bulging stone on west wall of the old kitchen-dining hall and repoint all mortar joints 100% on the entire building. 8. Repoint defective mortar joints, thirty-two feet on the west wall, sixty feet on the east wall and all mortar joints above the windows on the south wall of the Clothing, R&D and Custom Wood Building. 9. Repoint all mortar joints on the east wall of the Living Unit A, Living Unit C and Living Unit E and replace some eroded stone. Repoint only the defective mortar joints on the west inside walls.	Planned FY21	\$ 64,219,412
Subtotal Planned FY21						\$ 19,870,000			
75	2) Damage	C) > 1 yr	DOC	ASP	Tuckpoint Priorities 10 & 11	\$ 825,000	10. Repoint defective mortar on the south wall of Living Unit B and D. 11. Repoint the defective mortar joints as needed on the Sign Shop, Commissary, Gymnasium, Maintenance Shop and Deputy's Office.	Planned FY22	\$ 65,044,412
76	2) Damage	C) > 1 yr	DHS	Glenwood	Replace Administration Building Roof	\$ 175,000	Leak has been repaired, but the material is breaking down and is not bonded in place Drainage issues. New estimate Aug 2012. Estimate does not include A & E, PM or CM costs. Ballasted roof; no current leaks.	Planned FY22	\$ 65,219,412
77	2) Damage	C) > 1 yr	IPTV	6450 Corporate Dr	Repair Auditorium Exterior Fire Exit	\$ 75,000	The grading is too low at the fire exit on Maytag auditorium and water is backing up into the auditorium. Need to fix the retaining wall and change the grade of either the door or the ground.	Planned FY22	\$ 65,294,412
78	2) Damage	C) > 1 yr	DHS	Glenwood	Bldg. 212, 213 and 214 Tuckpointing	\$ 500,000	Tuckpointing for Bldg. 212, 213 and 214.	Planned FY22	\$ 65,794,412
79	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Unit A Roof	\$ 160,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (12,205 sq.ft.) 2015 repairs should extend life. 2016 becoming a problem again.	Planned FY22	\$ 65,954,412
80	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Power Plant Roof	\$ 137,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (10,392 sq.ft.)	Planned FY22	\$ 66,091,912
81	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Warehouse Roof	\$ 112,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (8,756 sq. ft.)	Planned FY22	\$ 66,204,412
82	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Administration Roof	\$ 100,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (7,700 sq.ft.)	Planned FY22	\$ 66,304,412
83	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 3	\$ 10,000,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 3 includes Laundry Building, Dispatch Building, Chiller Plant, Birches Building, and Food Service Building decentralization, remaining half of the required asbestos abatement and first half of the tunnel abandonment/removal for tunnels abandoned in phases 1 and 2. Phasing to be finalized during design.	Planned FY22	\$ 76,304,412

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84	2) Damage	C) > 1 yr	DHS	Glenwood	Tuckpointing in Building 110	\$ 85,000	Approximately 40-50% of the mortar is deteriorating but not yet allowing moisture infiltration. If left unchecked for an extended period of time, the limestone window ledges and caulking around windows could be a source of water infiltration.	Planned FY22	\$ 76,389,412
85	2) Damage	C) > 1 yr	DHS	WRC	Tuckpoint various buildings	\$ 80,000	Westwood, Larches and other areas.	Planned FY22	\$ 76,469,412
86	2) Damage	C) > 1 yr	DAS	Capitol Complex	Repair Historical Building Exterior Walls and Lighting	\$ 2,595,237	Repair the remaining exterior granite wall panels and repair exterior lighting. \$1.2 million was appropriated in FY12 for initial critical repairs to the exterior granite wall panels and facility planning efforts.	Planned FY22	\$ 79,064,649
87	2) Damage	C) > 1 yr	DOC	Newton CF	Tuckpoint Dorms 1&2 (CRC)	\$ 69,000	Past end of life.	Planned FY22	\$ 79,133,649
88	2) Damage	C) > 1 yr	DHS	Cherokee	Additional Tuckpointing Phases	\$ 500,000	Continuation of tuckpointing project. Cost and phasing to be refined.	Planned FY22	\$ 79,633,649
89	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Cottage 5 & 6 Tuckpointing	\$ 225,000	There are a few areas where the mortar has deteriorated and allows water to enter, particularly around windows in the stairwells. Efflorescence in present in the interior. The bottom joint between the masonry and foundation has been caulked shut. The water goes through a freeze thaw cycle which expands cracking.	Planned FY22	\$ 79,858,649
90	2) Damage	C) > 1 yr	DHS	WRC	Birches Loading Dock and Ramp Replacement	\$ 264,000	Removal and replacement of deteriorating loading dock. There are holes in the side walls.	Planned FY22	\$ 80,122,649
91	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Storage Bunker Repair	\$ 82,500	The bunker top was shored up nearly 2 years ago but the internal structure still degraded from past water damage. We need concrete work and patchwork to pillars and other areas of concern. Used to store recycled goods.	Planned FY22	\$ 80,205,149
92	2) Damage	C) > 1 yr	DAS	Capitol Complex	Historical Building Floor Repair	\$ 375,000	Repair the growing deterioration of the wood floor at the State's Historical Building. Sections of the 1st floor are deteriorating due to wear and water damage. Project will be re-evaluated when the roof/skylight replacement is complete.	Planned FY22	\$ 80,580,149
93	2) Damage	C) > 1 yr	DAS	Capitol Complex	Historical Building Exterior Tile Replacement	\$ 150,000	The exterior floor tiles under the carport on the south central area are deteriorating.	Planned FY22	\$ 80,730,149
94	2) Damage	C) > 1 yr	DAS	Capitol Complex	Capitol Building Eaves and Downspouts Repair	\$ 100,000	Address the eaves and downspouts at the Capitol Building. Some downspouts are becoming detached and plugged, causing water to back up over the gutters.	Planned FY22	\$ 80,830,149
95	2) Damage	C) > 1 yr	DHS	Glenwood	Tunnel Top Replacement Bldg 212-214	\$ 200,000	Tunnel top beginning to deteriorate, water infiltration creating failure of pipe supports.	Planned FY22	\$ 81,030,149
96	2) Damage	C) > 1 yr	DHS	WRC	304 Pine Roof Replacement	\$ 55,000	Valleys bad, lifting, worn, brittle, general wear throughout	Planned FY22	\$ 81,085,149
97	2) Damage	C) > 1 yr	DHS	WRC	103 Cedar Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$ 81,140,149
98	2) Damage	C) > 1 yr	DHS	WRC	105 Cherry Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$ 81,195,149
99	2) Damage	C) > 1 yr	DHS	WRC	103 Franklin Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$ 81,250,149
100	2) Damage	C) > 1 yr	DHS	WRC	201 Franklin Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$ 81,305,149
101	2) Damage	C) > 1 yr	DHS	WRC	107 Cherry Roof Replacement	\$ 55,000	Some lifting - 1 valley in back not good, general wear throughout	Planned FY22	\$ 81,360,149

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102	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Replace Freezer Compressors in Dietary	\$ 170,000	This is a lead lag system with three compressors which are 20 years old. Currently the lead compressor is inoperable and not able to be repaired and a second compressor is problematic. We are currently storing our food supply in the freezers with only the lag compressors ability to keep freezers cold. When the lag compressor breaks then we will not have a way to keep our food supply frozen. We will need to replace both compressors simultaneously. This project would replace the compressors, evaporators and piping and improve ventilation in the compressor room for longer operation. Simply replacing the compressors is not a viable long-term option because contamination in current piping and lack of proper ventilation in room will lead to premature failure.	Planned FY22	\$ 81,530,149
103	2) Damage	C) > 1 yr	DAS	Capitol Complex	Repair Capitol Building North and South Face Windows Phase 2	\$ 575,000	Maintenance painting of windows at the Capitol Building that were last done early to mid 1990's. Some sills have completely exposed wood. Phase 1 assessment in June 2017 estimated Phase 2 windows should be done in 3-5 years.	Planned FY22	\$ 82,105,149
104	2) Damage	C) > 1 yr	DAS	Capitol Complex	Ola Babcock Miller Window Replacement Phase 2	\$ 776,250	Existing exterior windows have deteriorated, creating gaps in the frames and allowing air and water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Phase 1 in 2018 addressed most critical windows. Phase 1 assessment in June 2017 estimated Phase 2 windows should be done in 3-5 years.	Planned FY22	\$ 82,881,399
105	2) Damage	C) > 1 yr	Terrace Hill	Terrace Hill	Repair Wood Shake Roof on Carriage House	\$ 231,344	Inspection of roof to determine how much wood rot that is apparent if not 100%. Recent site visit found an intermittent leak has developed (the wind must blow hard from a certain direction). Includes cupola. 8/2018 - no water damage in last 18 months.	Planned FY22	\$ 83,112,743
106	2) Damage	C) > 1 yr	DHS	WRC	202 Pine Roof Replacement	\$ 55,000	Valleys show wear, general wear throughout	Planned FY22	\$ 83,167,743
107	2) Damage	C) > 1 yr	DHS	WRC	302 Pine Roof Replacement	\$ 55,000	Valleys worn, some flat surfaces need repairs	Planned FY22	\$ 83,222,743
108	2) Damage	C) > 1 yr	DHS	WRC	201 Cedar Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 83,277,743
109	2) Damage	C) > 1 yr	DHS	WRC	105 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 83,332,743
110	2) Damage	C) > 1 yr	DHS	WRC	108 Franklin Roof Replacement	\$ 55,000	Some valley wear, some shingle wear, general wear throughout	Planned FY22	\$ 83,387,743
111	2) Damage	C) > 1 yr	DHS	WRC	203 Franklin Roof Replacement	\$ 55,000	Some valley wear, general wear throughout	Planned FY22	\$ 83,442,743
112	2) Damage	C) > 1 yr	DHS	WRC	204 Pine Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 83,497,743
113	2) Damage	C) > 1 yr	DHS	WRC	109 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 83,552,743
114	2) Damage	C) > 1 yr	DHS	WRC	202 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 83,607,743
Subtotal Planned FY22						\$ 19,388,331			
115	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 4	\$ 10,000,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 4 includes Woodward Academy Buildings, Powerhouse, Maple Lodge, Elmcrest, and Medical Center decentralization, and tunnel abandonment/removal for tunnels abandoned in phase 3. Phasing to be finalized during design.	Planned FY23	\$ 93,607,743
116	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 5	\$ 3,500,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 5 includes tunnel abandonment/removal for tunnels abandoned in phase 4 and completion of the chiller replacement. Phasing to be finalized during design.	Planned FY23	\$ 97,107,743
117	2) Damage	C) > 1 yr	DAS	Capitol Complex	Hoover Exterior Foundation Waterproofing	\$ 2,587,500	Excavate foundation to waterproof entire perimeter, except for NW corner. NW corner addressed separately, due to active leak in the area. Alternative recommendations from consultant under review in 2018 may revise the scope and prioritization.	Planned FY23	\$ 99,695,243
118	3) ADA	A) Now	DCA	Centennial Building	Elevator Replacement	\$ 300,000	This elevator has had several engineering studies and was prioritized under ADA funding. The elevator was recently cited by Workforce Development as being non-compliant and it skips one stop.	Planned FY23	\$ 99,995,243

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119	3) ADA	A) Now	DHS	CCUSO	ADA Compliant Restrooms for S1 and S2 Wards	\$ 350,000	Needed for elderly patients and med clinic. Currently non-ambulatory patients are taken through the food service area to use an ADA compliant restroom on another ward.	Planned FY23	\$ 100,345,243
120	3) ADA	A) Now	DHS	Cherokee	Voldeng Building Elevator and Lobby Area Remodel	\$ 750,000	Improvements to accommodate ADA. Current entrance ramp is not ADA compliant and is failing.	Planned FY23	\$ 101,095,243
121	3) ADA	A) Now	DHS	Cherokee	Redesign Handicap Entrances	\$ 100,000	Lifts currently in place (main building and Ginzberg) fail regularly. At least three times in the last year, we've had handicapped people stuck on the lifts. Would prefer a non-mechanical solution. There is an alternate ADA entrance, but it doesn't meet current code (not enough landings).	Planned FY23	\$ 101,195,243
122	3) ADA	A) Now	DHS	CCUSO	Resurface CCUSO Entrance Ramp	\$ 100,000	Handicap entrance (also serves as single point of entry to CCUSO) has become pitted and cracked causing transport problems for carts, wheelchairs, etc.	Planned FY23	\$ 101,295,243
123	3) ADA	A) Now	DHS	State Training School - Eldora	Replace Elevator in Admin Building	\$ 250,000	End of life. Beginning to have entrapments. Having increasing entrapments that require frequent maintenance calls. Maintenance not on duty 24/7 and victors are required to go to lower level of administration to check in.	Planned FY23	\$ 101,545,243
124	3) ADA	A) Now	DAS	Capitol Complex	ADA Signage and Parking Compliance Review	\$ 25,000	Some agencies have expressed concerns that the ADA signage and parking may not meet the ADA standards and therefore may create a problem for program compliance.	Planned FY23	\$ 101,570,243
125	3) ADA	B) <1 yr	DOC	North Central CF	Install an ADA Lift for Education Bldg.	\$ 6,000	The entry way in the education building is two steps and there is not enough room in this area to construct a ramp. A lift is needed to provide ADA access to this building.	Planned FY23	\$ 101,576,243
126	3) ADA	C) > 1 yr	DOC	North Central CF	Replace Non-Standard Walks ADA	\$ 60,000	Bring inside perimeter sidewalks up to ADA standards.	Planned FY23	\$ 101,636,243
127	4) Scheduled	A) Now	DOC	Mt. Pleasant	Replacing Cooling Units/AC for Gym	\$ 250,000	Building currently unoccupied, facility has trouble getting units to run each spring. If cooling not provided, humidity may cause deterioration.	Planned FY23	\$ 101,886,243
128	4) Scheduled	A) Now	DHS	State Training School - Eldora	Repair Drain Box on South Side	\$ 45,000	Too small for large amounts of water and overflows. Causes localized erosion.	Planned FY23	\$ 101,931,243
129	4) Scheduled	A) Now	DOC	Mt. Pleasant	Spill Containment for Diesel Tank	\$ 100,000	Proper spill containment needed for diesel tank. Replace existing 4 Single walled tanks with two 25K gallon double walled tanks and add necessary spill containment. Currently have a soil and grass berm. Fire Marshal warning.	Planned FY23	\$ 102,031,243
130	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Delaminated Glass in Master Control Center	\$ 20,000	High security glass in the control center is delaminating. This glass and the bars on the windows is all that separates control center staff from the main yard. Manufacturer feels that the integrity isn't compromised yet, but may be in a few years.	Planned FY23	\$ 102,051,243
131	4) Scheduled	A) Now	DOC	Ft Dodge CF	Unit A - Security Bubble Glass Replacement	\$ 3,000	Glass is starting to crack and officers question its strength. It needs replaced or the integrity needs certified.	Planned FY23	\$ 102,054,243
132	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Replace Guardhouse Windows	\$ 30,000	Replace deteriorating windows.	Planned FY23	\$ 102,084,243
133	4) Scheduled	A) Now	DHS	Glenwood	Paint Inside of Water Tower	\$ 90,000	We need to repaint the inside of the GRC campus water tower to ensure safe drinking water for clients and staff. Does not include A&E, PM or CM. Should be done in 2018.	Planned FY23	\$ 102,174,243
134	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Compressor Racks and Evaporators in Dietary and Warehouse Freezers/Coolers.	\$ 150,000	These systems have outlived their life expectancy and electrical power system needs to be redesigned. Smaller compressors on 480volt system only last 18 - 24 months before they burnout. Evaporator coils and electric reheat coils are corroding and beginning to fail. Repairs to corroded coils are becoming more frequent and difficult.	Planned FY23	\$ 102,324,243
135	4) Scheduled	A) Now	DOC	Mt. Pleasant	Parking Lots NE and SE	\$ 95,000	The lots are in very bad shape and the area is so large.	Planned FY23	\$ 102,419,243
136	4) Scheduled	A) Now	DOC	Mt. Pleasant	Replace Tunnel Tops	\$ 150,000	Tunnel tops are deteriorating. All utilities are located in the tunnels. Tunnel top failure could result in disruption of utilities. This would be an ongoing project as not all tunnels would need to be replaced at the same time. Recent site visit did not find any exposed rebar or significant areas of deterioration.	Planned FY23	\$ 102,569,243

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137	4) Scheduled	A) Now	DOC	Mt. Pleasant	Perimeter Fence	\$ 1,000,000	The fence is becoming wavy and we need cement under the fencing. This is a high need for security.	Planned FY23	\$ 103,569,243
Subtotal Planned FY23						\$ 19,961,500			
138	4) Scheduled	A) Now	DOC	ICIW	Replace Unit 9 Control Centers' Heat Pumps	\$ 14,000	Replace heat pumps in both control centers.	Future	\$ 103,583,243
139	4) Scheduled	A) Now	DOC	ICIW	Renovate Segregation Unit HVAC System	\$ 12,000	Air handling system needs to be balanced and the unit control center needs a separate heat pump so if chemicals are discharged it does not enter the control center. System condensates and dumps water on the floor.	Future	\$ 103,595,243
140	4) Scheduled	A) Now	DOC	North Central CF	Renovate 2 Boilers	\$ 58,000	Need tube replacement and convert to 10 gauge boiler tubes. Annually, we continue to replace tubes inside boiler #1 and #2, at an estimated cost of at least \$15,000. Downtime is an increasing issue, leaving much of the campus without heat until the second boiler can be brought on line (as long as it is not leaking too much). In addition, it would be more operationally cost effective to replace burner heads with smaller more controllable heads that will allow for a smaller low fire for warmer weather.	Future	\$ 103,653,243
141	4) Scheduled	A) Now	DAS	Capitol Complex	Lucas Building Cooling Coil Replacement	\$ 652,169	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 replace the return air dampers and controls in order to mitigate risk of equipment failure and improve energy efficiency.	Future	\$ 104,305,413
142	4) Scheduled	A) Now		Terrace Hill	Elevator Repair	\$ 35,000	New controller needed.	Future	\$ 104,340,413
143	4) Scheduled	A) Now	DHS	Independence	Infirmary Masonry Repair	\$ 405,000		Future	\$ 104,745,413
144	4) Scheduled	A) Now	DHS	Independence	Reynolds Masonry Repair Phase 5	\$ 437,500	This phase would finish the tuckpointing of the entire building. Cost estimate changed based on reassessment.	Future	\$ 105,182,913
145	4) Scheduled	A) Now	DAS	Capitol Complex	Replace Hoover Building Elevators	\$ 2,587,500	All elevator equipment is original equipment. The Hoover elevators had 102 service calls for not being in operation and 5 service calls for people being entrapped per Kone FY2018 report.	Future	\$ 107,770,413
146	4) Scheduled	A) Now	DHS	Glenwood	Install Backflow Prevention or Dry Sprinkler System in Residential Houses	\$ 260,000	No current citations or contamination of drinking water.	Future	\$ 108,030,413
147	4) Scheduled	A) Now	DOC	ISP (Old Site)	Tuckpoint of CH17	\$ 100,000	We need to complete the tuckpointing of CH17. This is needed as the outer stone is starting to get major gaps in it. Water is then able to get into the gaps and freeze/expand, crushing the limestone. These caps also allow animals/birds/rodents to build nests in some of the larger areas. With the limestone crumbling, stone could fall out. As this building is on the National Registry, we have to keep it structurally sound.	Future	\$ 108,130,413
148	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Rusted out Door Frame in Buildings DE&M	\$ 300,000	Existing steel frame doors were installed using an incompatible grout material that is corrosive to the steel door frames. Rusted frames are being replaced as required. Eventually all the frames will be in a critical state that will require the replacement of 275 door frames for security reasons.	Future	\$ 108,430,413
149	4) Scheduled	A) Now	DOC	Mt. Pleasant	Repair Parking Lot	\$ 65,000	The lot is in very poor repair. Recent site visit determined now only used for overflow parking.	Future	\$ 108,495,413
150	4) Scheduled	A) Now	DAS	Capitol Complex	Replace Wallace Buildings Elevators	\$ 1,371,375	All elevator equipment is original. The Wallace Building elevators had 83 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report. 2 elevators scheduled to be replaced in FY19.	Future	\$ 109,866,788
151	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Cast Iron Pipe Replacement	\$ 300,000	Replace horizontal drain lines in basements of Malloy, Dack, and Loftus. Areas are brittle, with frequent breakages.	Future	\$ 110,166,788

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152	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Taut Wire Sensor Reporting Units	\$ 262,500	Sensor reporting units are aged and beginning to give false alarms several times per week in winter and fail at an unacceptable rate.	Future	\$ 110,429,288
153	4) Scheduled	A) Now	DOC	Mt. Pleasant	North Core Generator	\$ 70,000	This is a backup to a backup generator. This generator is becoming antiquated and now repairs and replacements are costly. The generator is increasingly unreliable. If it should go down we lose the backups for the main security system.	Future	\$ 110,499,288
154	4) Scheduled	A) Now	DHS	CCUSO	Renovate South 1, S2 & S3 Areas in Main Building. (HVAC Updates)	\$ 518,000	S2 has window air conditioners. Recent site visit found S1 & S3 have units with R22 refrigerant so they can't be repaired and the current ductwork can't support the pressures needed for R410a refrigerant. Part of a larger capital request.	Future	\$ 111,017,288
155	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Fuel Tank Monitor	\$ 10,000	Red Jacket fuel monitor repeatedly crashes and loses all data. System has to be reprogrammed after each crash. Also provides leak detection.	Future	\$ 111,027,288
156	4) Scheduled	A) Now	DAS	Capitol Complex	Wallace Building Window Replacement	\$ 310,500	Replace broken windows. Facility investigating alternatives.	Future	\$ 111,337,788
157	4) Scheduled	A) Now	DHS	Independence	Stewart Hall Roof Replacement	\$ 100,000	Roof installed in 2001. Rubber is starting to deteriorate and shrink, but no leaks yet. This building is used for staff housing and also serves as a dormitory for our student nursing program.	Future	\$ 111,437,788
158	4) Scheduled	A) Now	DOC	Mt. Pleasant	4" Water Main Replacement at Maintenance Out Buildings	\$ 28,750	This old main is so thin it leaks frequently. This could easily become critical.	Future	\$ 111,466,538
159	4) Scheduled	A) Now	DOC	ICIW	Unit 6 Front Entry Door Replacement	\$ 50,000	Door frames are showing signs of rust and could lead to exposure to the outside.	Future	\$ 111,516,538
160	4) Scheduled	A) Now	DHS	Independence	Condensate Line Replacement	\$ 275,000	Condensate lines in areas are over 100 years old. Several have developed leaks and have been repaired. Several lines are thin and brittle.	Future	\$ 111,791,538
161	4) Scheduled	A) Now	DOC	North Central CF	Living Unit B&C Flooring Replacement	\$ 150,000	Living Units B and C have tile covering the floors in the hallway and common areas, most of the rooms are bare concrete floors. We are requesting that the tile in these units be removed and the floors be polished concrete.	Future	\$ 111,941,538
162	4) Scheduled	A) Now	DOC	IMCC	Admin Bldg East Roof Replacement	\$ 76,202	Replace existing roofing on the admin building. East side is part membrane, part shingles. Shingles are showing deterioration but there are no current leaks. West side re-done 2009 and is okay.	Future	\$ 112,017,740
163	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace VAV/Coils, Install 2-way Valves and Flow Controls in Buildings H & K	\$ 60,000	Coils have become restricted/plugged, in some areas can only heat building to mid-60s in cold conditions. Previous chemical treatment has failed to clean heating system.	Future	\$ 112,077,740
164	4) Scheduled	A) Now	DOC	Mt. Pleasant	Pelco Security Camera Replacement	\$ 1,000,000	Replacement of analog cameras with digital system and install new wiring and switches. System is currently operating, but replacement parts are difficult to find.	Future	\$ 113,077,740
165	4) Scheduled	A) Now	DHS	Glenwood	Building 103 Roof Replacement	\$ 175,000	EPDM roof needs replaced. Interior mold concerns should be addressed by 2018 tuckpointing project.	Future	\$ 113,252,740
166	4) Scheduled	A) Now	DAS	Capitol Complex	Parking Ramp Fence Panel Repair	\$ 75,000	The fence panels are not galvanized and are beginning to rust in the core holes. One panel is leaning.	Future	\$ 113,327,740
167	4) Scheduled	A) Now	DOC	ASP	Replace Cell Locking System for Living Unit B	\$ 1,000,000		Future	\$ 114,327,740
168	4) Scheduled	A) Now	DAS	Capitol Complex	Historical Building HVAC and Controls System Updates	\$ 18,202,721	The current building HVAC system was never designed to provide museum-quality environmental control. Combined with a deficient building envelope, the HVAC system has been working overtime over the last 30 years trying to—but never succeeding to—modulate the building's environment and keep it within museum-required standards for temperature and humidity. Much of the current equipment has not only exceeded its anticipated life, it is obsolete in terms of modern HVAC systems. The proposed new system will bring the building up to current museum standards and practice. Scope will need reviewed if funded by MM to identify any scope not covered by MM. There are (3) projects on the MM list that would be in lieu of this total replacement (DDCs, Chillers/heat pump, boiler).	Future	\$ 132,530,461

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169	4) Scheduled	A) Now	DOC	ISP (Old Site)	Tunnel Project	\$ 250,000	The tunnels located on the west side of cellhouse row is in dire need of repair. Repairs have been made to the topside, however, the underside is crumbling. The water, electrical, sewer & steam lines all run through these tunnels and if they collapse, it will cause damage to all of these items. Shoring and/or bracing these areas would not be adequate to prevent a collapse. Traffic over the tunnel is now limited. Funding pending decision on old facility.	Future	\$ 132,780,461
170	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Automation Panels	\$ 280,000	Obsolete, can't upgrade software. Have some spare parts in inventory. Software support ended December 2017.	Future	\$ 133,060,461
171	4) Scheduled	A) Now	DOC	IMCC	Electrical Upgrade Study	\$ 100,000	Electrical upgrade for the old part of the facility. Because of ever changing needs in Corrections, existing cells and other areas do not have enough power capabilities which are becoming necessary. Wiring is becoming aged as well. Our electrician is telling us we simply do not have any more available power to simply add an outlet.	Future	\$ 133,160,461
172	4) Scheduled	A) Now	DHS	Glenwood	Electrical Upgrade in Admin Bldg	\$ 300,000	The electrical service in the Admin Bldg is overloaded due to increased demands on the building.	Future	\$ 133,460,461
173	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Whitehill Auditorium Interior Face of Windows	\$ 20,000	Replace interior face of windows on historic building. Glazing is deteriorating.	Future	\$ 133,480,461
174	4) Scheduled	A) Now	DHS	CCUSO	Security Cameras for Interior/Exterior Viewing-Campus Wide. CCTV Upgrades.	\$ 723,750	Both CCUSO and MHI utilize analog cameras throughout their facilities that are 14 plus years old. The cameras are reaching their end of serviceable life and suitable replacements/parts are difficult to find. This project would replace the analog cameras with IP based cameras, address network infrastructure necessary to move to IP based cameras, and provide shared CCTV camera and digital recording functionality for both CCUSO and MHI by expanding on CCUSO's IP and Video Management platform to support an integrated campus wide CCTV system with CCUSO and MHI administrating use of their own portion of the shared system. The project originally included replacing the video management system, but that portion was funded independently when the system became unreliable. Capital request.	Future	\$ 134,204,211
175	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Whitehill Auditorium Steps	\$ 25,000	Replace 3 sets of deteriorating steps.	Future	\$ 134,229,211
176	4) Scheduled	A) Now	DAS	Capitol Complex	Grimes Exterior Window and Door Replacement	\$ 1,940,625	Replace original exterior windows, gaskets and doors. Windows are developing air leaks and there is a potential for water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort.	Future	\$ 136,169,836
177	4) Scheduled	A) Now	DAS	Capitol Complex	Wallace Building Tuckpointing and Waterproofing	\$ 1,035,000	Repair bad masonry joints and prevent water infiltration.	Future	\$ 137,204,836
178	4) Scheduled	A) Now	DVA	Iowa Veterans Home	North Parking Lot Repair	\$ 245,000	The North parking is in disrepair and has improper drainage. The substrate on the parking lot is deteriorating and in need of repairs. Replace 19,000 sf and overlay 60,000 sf.	Future	\$ 137,449,836
179	4) Scheduled	A) Now	DVA	Iowa Veterans Home	West Parking Lot Repair	\$ 165,000	The West parking area (66,000 sf) is need of replacement. The substrate on the parking lot is deteriorating and in need of repairs.	Future	\$ 137,614,836
180	4) Scheduled	A) Now	DCA	Centennial Building	Heating System Modifications	\$ 503,375	U of I steam pipe that provides heat to the building is failing. The pipe has been re-sleeved several times and the only option is to replace the piping or install a decentralized option. Budget is to install electric boilers, but the final scope and cost will need to be determined in design.	Future	\$ 138,118,211
181	4) Scheduled	A) Now	DAS	Capitol Complex	Iowa Workforce Development Exterior Window Replacement	\$ 758,655	Replace original single pane windows installed in 1970 of various sizes. Windows are leaking in various locations. Current estimate includes an allowance of \$125,000 to address potential asbestos abatement. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Worst windows on 3rd floor East were replaced independently in FY18.	Future	\$ 138,876,866
182	4) Scheduled	A) Now	DAS	Capitol Complex	Hoover Exterior Window Replacement	\$ 2,587,500	Replace all exterior windows and gaskets. Windows are developing air leaks and there is a potential for water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Ranked lower after worst windows and doors were replaced independently in FY18.	Future	\$ 141,464,366

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183	Scheduled	A) Now	DAS	Capitol Complex	Repair Existing Pedestrian Tunnel between Lucas and the Capitol	\$ 7,490,436	Repair the pedestrian tunnel between the Lucas Building and the Capitol to maintain structural integrity and bring up to building and life safety codes. Ranked lower after epoxy resin repairs in FY18 improved the tunnel conditions. Need to continue to monitor to confirm repairs persist.	Future	\$ 148,954,802
184	Scheduled	A) Now	DAS	Capitol Complex	Jessie Parker HVAC Renovations	\$ 9,561,038	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.	Future	\$ 158,515,840
185	Scheduled	A) Now	DAS	Capitol Complex	IWD HVAC Renovations	\$ 9,211,844	Replace AHU, coils, fans, VAV, duct work, and direct digital controls. All existing equipment is past its life expectancy. The equipment in this building is the original dual duct AHU, with chilled water and hot water coils, dampers and louvers that were installed when the building was built. The asbestos needs to be abated just to work on or replace this equipment. Some of the DDC controls and VAV boxes have been replaced; re-evaluate budget for potential relocation, dependent on phasing of project. Actual scope and costs to be determined by the engineering study and design.	Future	\$ 167,727,684
186	Scheduled	A) Now	DAS	Capitol Complex	Grimes Building HVAC Updates	\$ 8,475,486	Complete renovation of the HVAC systems in the Grimes with direct digital controls to be connected to the building automation system. Equipment is original to the building (1969) and is well beyond the 25 year expected life. Replacement will increase energy efficiency and improve occupant comfort. Actual scope and costs to be determined by the engineering study and design.	Future	\$ 176,203,170
187	Scheduled	A) Now	DHS	WRC	Larches Chillers Replacement	\$ 250,000	2 ea - 80 ton & 65 ton. Replacement is dependent upon route taken from outcome of power plant replacement study.	Future	\$ 176,453,170
188	Scheduled	A) Now	DHS	WRC	Grandwood Chiller Replacement	\$ 130,000	1 ea - 120 ton	Future	\$ 176,583,170
189	Scheduled	A) Now	DAS	Capitol Complex	Replace Central Energy Plant Deaerator Tank	\$ 501,471		Future	\$ 177,084,641
190	Scheduled	A) Now	DOC	IMCC	Air Handler Replacement	\$ 3,196,817	Our facility has been in operation since approximately 1970. The old part of our facility has 15 existing air handling units which need replacement before failure occurs. These units are placed in locations that make it very difficult to make repairs. They provide heating and cooling to cell houses, offices, dietary and other activity areas at our facility. If removal and replacement is projected, it will be necessary to remove some of the units through the roofs of our facility as there is no way of accessing the areas except with foot traffic and walk through doorways. Roofing projects are already on the major maintenance list and it may be an opportune time to start replacing some of these units with a roof project. These units would also need to be tied into our building automation system. This estimate does not include engineering fees. It is based off \$150,000/air handler.	Future	\$ 180,281,458
191	Scheduled	A) Now	IPTV	6450 Corporate Dr	Install Concrete Steps at 6450 Corporate Drive	\$ 10,000	Pre-cast steps at the loading dock are deteriorating.	Future	\$ 180,291,458
192	Scheduled	A) Now	DHS	CCUSO	South 6 Patient Ward Flooring	\$ 100,000	Chipped and worn flooring. Cracking along the edges.	Future	\$ 180,391,458
193	Scheduled	A) Now	DHS	CCUSO	South 2 Ward Flooring	\$ 100,000	Chipped and worn flooring. One small area is a trip concern, but will be addressed by facility.	Future	\$ 180,491,458
194	Scheduled	A) Now	DHS	State Training School - Eldora	Replace Tunnel Ventilation Fan	\$ 90,000	Current ventilation fan isn't working and is the main fan for ventilating the tunnel system. The fan is several decades old, the bearing has gone out and the blades are extremely worn.	Future	\$ 180,581,458

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195	4) Scheduled	B) < 1 yr	DOC	North Central CF	Air Handler Replacement and Condenser Coils for Units A and B	\$ 275,000	On unit A and B both condenser and evaporator coils on all these units are deteriorated, constant thawing of these units are required due to plugged and damaged coils which reduces proper air flow through the unit. This cause excessive wear and tear on the compressors and on the unit itself due to constant tear down to thaw. Furthermore the placement of these units requires scaffolding to be built on primary stairwell to allow staff and offenders to thaw and clean these units which becomes a safety issue, this typically happens on a weekly basis and sometimes more often. All of these units are problematic and are not expected to operate much longer.	Future	\$ 180,856,458
196	4) Scheduled	B) < 1 yr	DOC	Newton CF	Update CCTV System	\$ 287,500		Future	\$ 181,143,958
197	4) Scheduled	B) < 1 yr	DHS	State Training School - Eldora	Replace Chiller at School	\$ 600,000	End of life/high probability of breakdown. Installed in 2001 when school was built.	Future	\$ 181,743,958
198	4) Scheduled	B) < 1 yr	DHS	Glenwood	Replace Water Mains	\$ 1,000,000	Per facility - Mechanical engineer advised there is no good method to evaluate the water mains without extensive excavation and recommended we consider replacement since the water mains are more than 100 years old and we are experiencing rust and contamination in the domestic water supply. The water mains are not lined and the service lines are galvanized. Separate request to evaluate the water mains is part of MM #49 (3QFY15 list).	Future	\$ 182,743,958
199	4) Scheduled	B) < 1 yr	DOC	Mt. Pleasant	Replace Hot Water Tanks and Controls	\$ 60,000	The two 1,000 gallon tanks have passed life cycle end and are showing signs of leakage and wear. They supply all the hot water for the 20 building. Recent site visit determined it was a low priority since facility is unoccupied.	Future	\$ 182,803,958
200	4) Scheduled	B) < 1 yr	DHS	State Training School - Eldora	Replace Condensate Lines	\$ 275,000	End of life/installed in early 1900's. Regularly replacing large sections of condensate lines due to leaks. Leaks are due to pipes becoming thin from the inside as well as the outside.	Future	\$ 183,078,958
201	4) Scheduled	B) < 1 yr	DOC	Newton CF	NCF - Living Unit C Roof Replacement	\$ 402,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 183,481,458
202	4) Scheduled	B) < 1 yr	DOC	Newton CF	NCF - Living Unit D Roof Replacement	\$ 402,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 183,883,958
203	4) Scheduled	B) < 1 yr	DOC	Clarinda	Replace Large 350 lb Built in Clothes Dryers in Laundry	\$ 250,000	Laundry processes approx. 5000lbs of laundry per day on average of offender clothing.	Future	\$ 184,133,958
204	4) Scheduled	C) > 1 yr	DOC	IMCC	Roof Replacement – North Addition Upper Level	\$ 368,500	Reranked lower because upper levels B - I replaced with north addition lower level roof replacement. Remaining levels J - M are not currently leaking but could use minor flashing repairs that would extend the life of the roofs 3 - 5 years. Project cost is for full replacement.	Future	\$ 184,502,458
205	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	Elevator MWU Upgrade	\$ 220,000	Car is past life expectancy. Controller is in need of repair. Does not have phase one fire recall. The facility is being vacated and has been moved to the bottom of our needs.	Future	\$ 184,722,458
206	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Lucas Building Elevators 1,2,3,4 & 5	\$ 2,846,250	All of Elevator equipment is original equipment. The Lucas Building had 81 service calls for not being in operation and 3 service calls for people being entrapped per Kone FY2018 report.	Future	\$ 187,568,708
207	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Grimes Building Elevators 1, 2 & 3	\$ 1,759,500	All elevator equipment is original. The Grimes Building had 45 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report.	Future	\$ 189,328,208
208	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Jessie Parker Building Elevators 1,3,4 & 5	\$ 1,914,750	All elevator equipment is original. The Jessie Parker building had 51 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report. 1 elevator being replaced in FY2019.	Future	\$ 191,242,958
209	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Cooling Tower #2 , Replace Fill on Cooling Tower #4, Enlarge Condenser Water Pit	\$ 827,131	Cooling tower #2 has exceeded its life expectancy and could become unusable if anything major happens. Condenser water holding pit needs to be enlarged to run all 4 cooling towers at the same time.	Future	\$ 192,070,089

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210	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace IWD Building Elevators	\$ 1,966,500	All elevator equipment is original. The IWD Building had 30 service calls for not being in operation and no service call for people being entrapped per Kone FY2018 report. Elevator #3 West Car is highest priority. Updated in FY18 to include all elevators at IWD. 1 elevator being replaced in FY2019.	Future	\$ 194,036,589
211	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Elevators	\$ 2,123,820	All elevator equipment is original. The Historical Building elevators had 57 service calls and 2 entrapment per Kone FY2018 report.	Future	\$ 196,160,409
212	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Secondary Chiller Pumps	\$ 277,573	These are the two 200 HP primary pumps for the Capitol Complex's chilled water loop.	Future	\$ 196,437,982
213	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Controls with Direct Digital Controls	\$ 2,044,090	The current pneumatic control system is outdated and failing, threatening environmental control for State historical museum exhibits and artifacts.	Future	\$ 198,482,072
214	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Monument and Art Work Repair and Restoration	\$ 525,000	Finish cleaning and restoring the statue atop the Soldiers & Sailors monument 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 1/2% Art in State Buildings Program. \$100,000 was appropriated from FY2017 Major Maintenance funding as a 2 for 1 match.	Future	\$ 199,007,072
215	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Ola Babcock Miller Exterior Restoration	\$ 1,010,305	Clean, caulk joints and repair broken stone on the exterior of the building.	Future	\$ 200,017,377
216	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Chillers / Heat Pump	\$ 1,373,120	Replace the primary chiller and the chiller/heat pump as they were installed in 1987 and the life expectancy of the equipment is 23 years per the Baker Group Report. Both the chiller and the chiller/heat pump have mechanical issues.	Future	\$ 201,390,497
217	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Boiler	\$ 470,178	Replace the two electric hot water boilers and the one electric steam boiler for humidification as they were installed in 1987 and the life expectancy of the equipment is 15 years per the Baker Group Report.	Future	\$ 201,860,675
218	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Capitol Complex Security Camera and Surveillance Retention Upgrades	\$ 900,000	Upgrading, replacing and adding new cameras; upgrade surveillance and retention system to a new IP system.	Future	\$ 202,760,675
219	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Replace Gym Flooring	\$ 32,000	Rubber coated gym floor is damaged and worn.	Future	\$ 202,792,675
220	4) Scheduled	C) > 1 yr	DOC	ASP	Tunnel Replacement Outside LUB &D	\$ 1,500,000	2016 study found tunnel cap and walls can last 5 - 10 years, most cost effective to replace entirely, rather than replace only tunnel cap. Budget based on worst case scenario of replacing all utility piping with tunnel. Design needed to refine cost and scope.	Future	\$ 204,292,675
221	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 18A & 18B	\$ 1,199,189	2" wide cracks at the joints, full of settlement cracks, some holes and raised surfaces and broken and damaged concrete side walk curbs. Lot 12B has been closed.	Future	\$ 205,491,865
222	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #3	\$ 963,401	Nearing the end of its life cycle.	Future	\$ 206,455,265
223	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #1	\$ 963,401	Nearing the end of its life cycle.	Future	\$ 207,418,666

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224	4) Scheduled	C) > 1 yr	IWD	150 DM St	IWD 150 Des Moines Street Parking Lot Replacement	\$ 376,000		Future	\$ 207,794,666
225	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Boiler #1	\$ 350,355	Boiler #1 is too small, once the outside temperature drops below 30 degrees this boiler can not keep up.	Future	\$ 208,145,021
226	4) Scheduled	C) > 1 yr	DAS	Iowa Labs	Iowa Labs Parking Lot Improvements and Repair	\$ 872,163	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.	Future	\$ 209,017,184
227	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	Sanitary Sewer Line Replacement	\$ 310,000	The lines are aged and allow either ground water infiltration or collapse. This increases the sewage flowing into the treatment plant from this facility due to ground water, or allows sewage to flow on the ground until an emergency repair can be arranged. Recent review found repairs had been made and there hadn't been any breaks in five years.	Future	\$ 209,327,184
228	4) Scheduled	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Ceiling Tiles and Grid System	\$ 275,000	Ceiling tiles are currently stained with water and wear and tear; the grid system has to be replaced because the current ceiling tile are no longer available because of their size (20x60). At the same time, we need to replace the fluorescent lights in the grid due to fit and so we can replace the lights with higher efficiency lighting.	Future	\$ 209,602,184
229	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Wallace HVAC Renovations	\$ 20,181,425	Replace AHU, coils, fans, VAV, duct work and direct digital controls. All existing equipment is past its life expectancy.	Future	\$ 229,783,609
230	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Capitol Complex West Terrace Repair and Maintenance	\$ 315,569	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.	Future	\$ 230,099,178
231	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Hoover HVAC Systems Renovations	\$ 23,348,876	Complete renovation for the HVAC systems, including air handler replacements with DDC controls. The air handlers are original to the building (1979) and are well beyond their 25 year expected life.	Future	\$ 253,448,054
232	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 1 and 4, Including New Lighting	\$ 2,123,765	Lot 1 has 2" wide cracks at the joints, some settlement cracking, some low spots and broken and damaged concrete curb, about 10%. Lot 4 has 2" wide cracks at the joints, some settlement cracking, some low spots and broken and damaged concrete curb, about 10%.	Future	\$ 255,571,818
233	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 2 and 5, Including New Lighting	\$ 1,840,365	Lot 2 has 1" wide cracks at the joints, some spider cracking and some settlement cracking along curb and gutter (5000 lin ft). Also has 10 concrete parking barriers which need to be replaced. Lot 5 has 1" to 2" wide cracks at the joints, some settlement along the joints.	Future	\$ 257,412,183
234	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 13, 14, and 19, Including New Lighting	\$ 2,162,268	Lot 13 and the drive are full of 1" wide settlement cracks throughout the entire lot and drive. Lot 14 has 1" to 1-3/4" joint cracks (2,121 lin ft). Lot 19 has 1" wide settlement cracks throughout the lot. These would need to be replaced if the East Capitol Mall is not funded.	Future	\$ 259,574,451
235	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Drive for Parking Lot 25 and Parking Lots 10 , 11 and 12, Including New Lighting	\$ 2,217,481	The drive for lot 25 has some spalled joints and bad panels that need repaired or replaced (1,300 sf). Lot 11 has 3/4" to 1-1/4" wide cracks at the joints (940 lin ft). Lot 12 has 3/4" to 1-1/2" wide cracks at the joints (2,220 lin ft).	Future	\$ 261,791,932
236	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Repair Parking Lots 9 and 9A	\$ 152,097		Future	\$ 261,944,029
237	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Repair Parking Lots 28, 24 (and Drive), and 25	\$ 368,905	Lot 25 needs to have joints cut out and resealed. Lot 28 needs joints cut out and resealed plus some cracking (1,284 lin ft). Lot 24 needs some cracks cut and sealed and the drive has two panels which need some repair or replacement.	Future	\$ 262,312,934
238	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace parking lots 3A, 6, 16, 21 (and Drive), 21A, and 26	\$ 4,058,609	Lot 26 needs joints cut out and resealed (6,236 lin ft). Lot 16 needs some cracks filled coming of the corner of the islands (60 lin ft). The rest of these lots will need joints filled in a few years.	Future	\$ 266,371,544
239	4) Scheduled	C) > 1 yr	IPTV	6535 Corporate Dr	Repair/Replace Roof	\$ 100,000	The estimated timeframe for the replacement of the roof is FY 2017.	Future	\$ 266,471,544

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240	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	Tunnel Replacement, Heinz Hall	\$ 1,125,000	Demolish existing service tunnel and erect new tunnel from Power House to Heinz Hall.	Future	\$ 267,596,544
241	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Fuel Tank Replacement	\$ 445,904		Future	\$ 268,042,448
242	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #2	\$ 963,401	This is the lead chiller for the Capitol Complex, installed in 1995, 23 year expected life.	Future	\$ 269,005,848
243	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Restoration of Lucas Building Exterior	\$ 1,138,492	Clean, tuckpoint, caulk joints and seal the exterior façade. North and West entrances were addressed in 2018.	Future	\$ 270,144,340
244	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Utility Tunnel Repairs	\$ 5,450,771	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.	Future	\$ 275,595,111
245	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Replace Front Exterior Doors in Living Units (6 sets)	\$ 28,000	Beat up by carts.	Future	\$ 275,623,111
246	4) Scheduled	C) > 1 yr	DOC	North Central CF	Update Unit C Fire Escape	\$ 50,000	Living Unit Housing Offenders/Inmates.	Future	\$ 275,673,111
247	4) Scheduled	C) > 1 yr	DHS	Cherokee	Upgrade Fire Alarm System	\$ 900,000	Can still find refurbished parts but were informed that parts will no longer be available in three years (3/2015).	Future	\$ 276,573,111
248	4) Scheduled	C) > 1 yr	DOC	North Central CF	Update Fire Escape on East Side of Education Bldg.	\$ 60,000	The update is required to replace the fire escape.	Future	\$ 276,633,111
249	4) Scheduled	C) > 1 yr	DOC	ASP	Replace Hot Water System	\$ 100,000	The hot water tanks are very uncontrollable with temperature. They have very old pneumatic controls, isolation valves that do not isolate when necessary for draining/cleaning and the tube bundles could have some work performed on them if not replaced. One tube bundle is being supported inside the tank by a 4x4 wooden block because the metal bracket rusted away some years back. Engineering done.	Future	\$ 276,733,111
250	4) Scheduled	C) > 1 yr	DHS	WRC	Mechanical Upgrade to E-Home	\$ 150,000	This building has perimeter heat and window air conditioning, but needs forced air heat and cooling. Existing piping failing.	Future	\$ 276,883,111
251	4) Scheduled	C) > 1 yr	DOC	ASP	Replace 100 & 5 lb Header and Valves	\$ 50,000	Full of asbestos insulation and the valves do not isolate properly. Small piping that branches off headers are deteriorating and could need rewelded if they start leaking. This could involve saving the header and just removing asbestos and reworking all valves and appendages.	Future	\$ 276,933,111
252	4) Scheduled	C) > 1 yr	DOC	Newton CF	Repair/Replace Boulevard Inside Perimeter	\$ 386,400		Future	\$ 277,319,511
253	4) Scheduled	C) > 1 yr	DOC	Newton CF	CRC - Electrical Upgrade	\$ 1,725,000		Future	\$ 279,044,511
254	4) Scheduled	C) > 1 yr	DOC	Newton CF	Replace Misc. Doors at NCF and CRC	\$ 172,500		Future	\$ 279,217,011
255	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Building K Roof Replacement (Admin)	\$ 402,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 279,619,511
256	4) Scheduled	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Roof	\$ 600,000	Headquarters building; Warranty expired October 2014. Roof will need to be replaced. 56,000 sq ft.	Future	\$ 280,219,511
257	4) Scheduled	C) > 1 yr	DOC	Clarinda	Replace Roof Covering on Paint Shop Detached from Main Building Using Metal Roofing Material	\$ 30,000	Asbestos shingle covering original to the building, 1920's. No current leaks.	Future	\$ 280,249,511

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Row #	Priority	Immediacy	Agency	Facility	Project Request Title	Funding Request	Comments	Funding Notes	Running Total
258	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Building L Roof Replacement (Power Plant)	\$ 287,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 280,537,011
259	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Building J Roof Replacement (Warehouse)	\$ 287,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 280,824,511
260	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Living Unit B Roof Replacement	\$ 402,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 281,227,011
261	4) Scheduled	C) > 1 yr	DHS	State Training School - Eldora	Replace A/C Units on Admin Building	\$ 80,000	End of life and the zoning is incorrect to achieve proper efficiency	Future	\$ 281,307,011
262	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Fire Alarm - Remove/Replace All Components	\$ 130,500	Outdated, parts are difficult to find	Future	\$ 281,437,511
263	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Switchgear - Remove/Replace	\$ 199,650	System outdated, replacement breakers difficult to find	Future	\$ 281,637,161
264	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	6 Garage Door Columns - Repair	\$ 27,951	Stone facing is cracking	Future	\$ 281,665,112
265	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Tower Flagpole - Remove	\$ 29,282	No longer in use, potential leak issue	Future	\$ 281,694,394
266	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Retaining Wall - Repair	\$ 236,253	Retaining wall is showing signs of heaving	Future	\$ 281,930,647
267	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Switchgear Replacement	\$ 2,070,000	Replacement and add redundancy for the 15 kV switch gear	Future	\$ 284,000,647
268	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	Condensate Return E & W	\$ 100,000	Tank wall is thin. Current tanks aging, part of a greater system.	Future	\$ 284,100,647
269	4) Scheduled	C) > 1 yr	DHS	WRC	Water Tower Painting (2 Towers)	\$ 200,000	Both water towers require external and internal paint.	Future	\$ 284,300,647
270	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	North Core Generator Replacement	\$ 200,000	Reaching end of life. Secondary back-up for the lighting, towers, door locks, cameras and telephone. The main generator provides power for these systems as well.	Future	\$ 284,500,647
271	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 1	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 285,000,647
272	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 2	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 285,500,647

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273	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 3	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 286,000,647
274	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 1	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 286,500,647
275	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 2	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 287,000,647
276	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 3	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 287,500,647
277	4) Scheduled	C) > 1 yr	DHS	Glenwood	Tuckpointing in Building 120 Phase II	\$ 330,000	FY16 project addressed all current issues. May need additional tuckpointing in 5 - 7 years.	Future	\$ 287,830,647
278	4) Scheduled	C) > 1yr	DHS	State Training School - Eldora	School Roof Replacement	\$ 400,000	Roof was installed in 2001 when school was built. Currently nearing the end of its life.	Future	\$ 288,230,647
279	4) Scheduled	C) > 1yr	DHS	Independence	Upgrade Siemens Energy Management Panels	\$ 50,000	Facility has extra parts. The system is working but outdated.	Future	\$ 288,280,647
280	5) Efficiency	A) Now	DHS	CCUSO	Exterior Lock Replacement	\$ 300,000	Exterior locks are currently manually opened by key and unmonitored. This project would add exterior doors at CCUSO and the MHI to the lock control system that is monitored by Master Control.	Future	\$ 288,580,647
281	5) Efficiency	A) Now	Terrace Hill	Terrace Hill	Timbers for Pool House	\$ 60,000	Restoration to add timbers back to the pool house. Timbers to be cured for one year and placed the following year.	Future	\$ 288,640,647
282	5) Efficiency	A) Now	DHS	Cherokee	Install Grease Trap in Dietary Dept.	\$ 150,000	Building code requires that grease traps be used in commercial kitchens discharging grease into sewer system. Cherokee has never had one installed. We occasionally get complaints from the City of Cherokee about grease we are producing.	Future	\$ 288,790,647
283	5) Efficiency	A) Now	IPTV	6450 Corporate Dr	Removal of Islands in the Parking Lot Area	\$ 100,000	There are islands in the parking lot that used to have trees. The trees have died and there is not a good way to replace them. People are driving over the islands and in at least one case have damaged their vehicle. We have placed metal posts in the area; but sometimes the metal posts disappear.	Future	\$ 288,890,647
284	5) Efficiency	A) Now	DOC	Ft Dodge CF	Repair Square D Gateway Interface to BAS System	\$ 5,000	Square D electrical power monitoring interface between the building automation system and electrical panels has failed. Monitoring and troubleshooting electrical usage and problems throughout the facility is non-functioning.	Future	\$ 288,895,647
285	5) Efficiency	A) Now	DOC	Mt. Pleasant	West Yard Upgrade	\$ 150,000	This includes the need for new tennis and basketball courts and weight yard repair as this yard is short of much needed activities. A retaining wall and tiling are also needed as the area takes on water.	Future	\$ 289,045,647
286	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Cooling Tower Walkway	\$ 12,000	Cited by Dan Duss to install working platforms on towers.	Future	\$ 289,057,647
287	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Covered Entry to R&D Vehicle Loading Area	\$ 85,000	A covered entry is needed at our trip door for safely loading/offloading transfers during adverse weather conditions.	Future	\$ 289,142,647
288	5) Efficiency	A) Now	DOC	Ft Dodge CF	Renovate Pharmacy	\$ 4,500	Renovate pharmacy/add pill line window. Budget assumes offender labor will be used.	Future	\$ 289,147,147
289	5) Efficiency	A) Now	DOC	Ft Dodge CF	Generator PLC Repairs	\$ 20,000	Replace defective NOL card in PLC. Faulty card prevents generator set operational data from being displayed at the system touchscreen.	Future	\$ 289,167,147
290	5) Efficiency	A) Now	DHS	WRC	Install Gas Lines East and West Campus	\$ 160,000	Install gas lines and install hot water loop boilers at Grandwood.	Future	\$ 289,327,147
291	5) Efficiency	A) Now	DHS	CCUSO	Renovate a Campus Building for Expanding Programs (Study Only)	\$ 250,000	Capital request.	Future	\$ 289,577,147

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292	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Install E-85 Fueling Station	\$ 110,000	E-85 usage had been mandated by the Governor's office. There is no public E-85 dispensing station nearby.	Future	\$ 289,687,147
293	5) Efficiency	A) Now	DAS	Capitol Complex	Fire Protection Hydrants and Sprinklers for the Central Energy Plant	\$ 2,688,299	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 CEP and FMC Buildings by adding fire hydrants in front of the buildings and installing fire sprinkler protection systems inside the buildings.	Future	\$ 292,375,447
294	5) Efficiency	A) Now	DOC	ASP	Replace the Control Center 2 Gate Locking System	\$ 100,000	Have to make parts in-house when it fails.	Future	\$ 292,475,447
295	5) Efficiency	A) Now	DOC	ASP	Install Fire Exit Stairs at Living Unit B	\$ 2,000,000	Fire Marshal notation, but no citation.	Future	\$ 294,475,447
296	5) Efficiency	A) Now	DHS	Cherokee	New Interior Electrical Wiring	\$ 2,393,033	Main bldg; Ginzberg Bldg; Wirth Hall; Voldeng Bldg.	Future	\$ 296,868,480
297	5) Efficiency	A) Now	DHS	Cherokee	Air Conditioning, Ductwork Dampers, Zone Valves & Convector Upgrades to Main Building	\$ 1,511,664	Capital request for the center section of the Main Building (does not include S1, S2 or S3). Window air conditioning units are in use.	Future	\$ 298,380,144
298	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase II	\$ 50,000		Future	\$ 298,430,144
299	5) Efficiency	A) Now	DHS	Cherokee	Build Administration Building Emergency Egress	\$ 450,000	Capital request. Build exposed stair for emergency egress at Administration Building. Currently no direct egress path on west side from 2nd or 3rd floors. Recommendation from 2016 study.	Future	\$ 298,880,144
300	5) Efficiency	A) Now	DHS	Cherokee	Sidewalk Replacement-Campus Wide	\$ 588,500	Surface is deteriorating in places, but no trips/falls reported.	Future	\$ 299,468,644
301	5) Efficiency	A) Now	DHS	Cherokee	Replace Windows for All Campus Buildings-Phase I. Note--Donahoe Omitted from this Project as per MHDS	\$ 1,490,000	Main bldg north patient wing-\$748,500; main bldg south patient wing-\$748,500; Main bldg east ADM wing-\$305,000; Main bldg west wing-\$245,000; Powerhouse-\$123,000; Ginzberg bldg-\$408,000; Voldeng bldg-\$162,000; Wirth Hall bldg-\$175,000 plus all design & supervision fees. Some windows have rotted sills and signs of water infiltration.	Future	\$ 300,958,644
302	5) Efficiency	A) Now	DOC	ISP	Warehouse Upgrade	\$ 160,000		Future	\$ 301,118,644
303	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase III	\$ 356,000	Pneumatic systems do not offer efficiency of today's technology.	Future	\$ 301,474,644
304	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase IV	\$ 359,000	Pneumatic systems do not offer efficiency of today's technology.	Future	\$ 301,833,644
305	5) Efficiency	A) Now	DHS	Glenwood	Replace HVAC in 710 Lacey Hall	\$ 512,309		Future	\$ 302,345,953
306	5) Efficiency	A) Now	DOC	ASP	Remodel Laundry	\$ 700,000	Doesn't meet the health code due to lack of sufficient dirty/clean laundry separation.	Future	\$ 303,045,953
307	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 106	\$ 435,000		Future	\$ 303,480,953
308	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 111	\$ 325,000		Future	\$ 303,805,953
309	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 119	\$ 190,000	Can reduce scope on this bldg - would like to do minimal window replacement on main floor and cover remaining windows - this bldg is used for storage/upholstery shop.	Future	\$ 303,995,953
310	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 121	\$ 80,000		Future	\$ 304,075,953
311	5) Efficiency	A) Now	DHS	Glenwood	Meyer Hall - Install New Elevator	\$ 596,500	Facility is getting by with what they have (a ramp and small elevator), but a new elevator would be more convenient.	Future	\$ 304,672,453
312	5) Efficiency	A) Now	DOC	ASP	Add Water Treatment to Well #4	\$ 1,500,000	Facility has 2 wells, #3 and #4. They have not been able to use #4 well since it was drilled because of high radium levels. Recent radium test results on Well #3 indicate the radium is above the allowed level in that well also. The DNR advises that action must be taken ASAP to add radium treatment for both wells. Well #3 is now on quarterly testing. The facility will be in violation if the running annual average of one year of quarterly samples exceeds the allowed level of radium. There is no alternative water source as the city is not able to supply treated water to the facility.	Future	\$ 306,172,453

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313	5) Efficiency	A) Now	DHS	CCUSO	Yard Expansion with Industrial Arts/Recreation Building. Includes 1600 Linear Feet of Fencing	\$ 1,418,965	Capital request. (Study-Phase I Project-Phase II)	Future	\$ 307,591,418
314	5) Efficiency	A) Now	DHS	CCUSO	Outdoor Recreational Facilities	\$ 175,000	Construct baseball diamond and basketball courts.	Future	\$ 307,766,418
315	5) Efficiency	A) Now	DOC	ASP	Powerhouse Lighting, Windows and Ventilation	\$ 60,000		Future	\$ 307,826,418
316	5) Efficiency	A) Now	DOC	Ft Dodge CF	Connect Greenhouse to Hot Water Loop	\$ 20,000		Future	\$ 307,846,418
317	5) Efficiency	A) Now	DOC	ASP	Replace Security Lighting	\$ 50,000	Study to upgrade facility lighting. May consider high mast lighting.	Future	\$ 307,896,418
318	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Industry Building to Automation System	\$ 42,000		Future	\$ 307,938,418
319	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-B	\$ 80,000		Future	\$ 308,018,418
320	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-C	\$ 80,000		Future	\$ 308,098,418
321	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-D	\$ 80,000		Future	\$ 308,178,418
322	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Auditorium	\$ 30,000		Future	\$ 308,208,418
323	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Chapel	\$ 30,000		Future	\$ 308,238,418
324	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Music Room	\$ 30,000		Future	\$ 308,268,418
325	5) Efficiency	A) Now	IWD	150 DM St	IWD 150 Des Moines Street PA System	\$ 50,000		Future	\$ 308,318,418
326	5) Efficiency	A) Now	DAS	Capitol Complex	Capitol Building Law Library Rare Book Climate Control	\$ 25,250	The most valuable and rare books of the law library are stored in this secure room that at times exceeds 90 degrees with high humidity.	Future	\$ 308,343,668
327	5) Efficiency	A) Now	DOC	IMCC	Sanitary Sewer Effluent Upgrade	\$ 1,970,482	Our current sewer building does not meet current regulations. It is the main sewer effluent from our facility before heading to city sewer system. It contains a manual bar screen that needs to be cleaned by personnel. The bar screen is raked and the contents are emptied into a bucket manually and sent to the landfill. Also, there is no atmosphere testing equipment. We are recommending adding redundant automatic cleaning devices such as auger monster type equipment to clean this system. Environmental controls should be added to monitor the building atmosphere. This should be communicated through the building automation system.	Future	\$ 310,314,150
328	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Untreated Water Line	\$ 65,000	Install a water line for irrigating gardens, washing down dog pads, etc. Current only treated/conditioned water is available from the power plant.	Future	\$ 310,379,150
329	5) Efficiency	A) Now	DOC	Ft Dodge CF	Retube Hot Water Boilers at Power Plant	\$ 75,000	Leaking tubes are being replaced as needed each winter. Replacement of worn tubes (186) around the morrison tubes of all three boilers is needed.	Future	\$ 310,454,150
330	5) Efficiency	A) Now	DOC	IMCC	Hot Water Systems Upgrade	\$ 501,729	Our facility has its own hot water system, which consists of three heating units and one storage tank. Since the installation of this system, we have had to send each heating unit back to manufacturer for refurbishing. The system continues to operate with water temperature below necessary limits of 160 degrees. The system is approximately 8 years old and needs to be updated to continue to supply water to washer for proper operation and to ensure clothes are cleaned and disinfected properly by maintaining the temperatures. Our facility continues to rely on one hot water tank (1970 initial building) to supply hot water to the older portion of our building. This includes showers for inmates, dietary needs and general sink usage. It consist of a 5000 gallon tank which contains a steam heating coil inside. Currently this coil is suspected to be ruptured causing heavier loads to be place on our boilers, increases in condensate returning and also increases chemical treatment. All these items increase costs to our facility. We recommend removing the old tank and installing two new tanks (possibly dual fuel capability) and supply BAS communication to monitor this system.	Future	\$ 310,955,879

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331	5) Efficiency	A) Now	DOC	IMCC	Electric Services Upgrade	\$ 2,929,006	The older buildings at IMCC are currently 44 years old. As modernization has occurred (Computers, cameras, inmates TV's, radios, Fans Etc.) items have been added to the existing electrical system and it is now full. Electrician are being asked to add equipment but by codes, our system is no longer able to handles additions. It is necessary to upgrade the electrical primary panels (First panels inside the buildings) and add some additional panels, wiring and junctions throughout our buildings (Older buildings). Currently breakers trip repeatedly during normal daily activities such as plugging in a vacuum or buffer. There would need to be an engineering study performed, designed and arc flash program set up with this request.	Future	\$ 313,884,885
332	5) Efficiency	A) Now	DOC	IMCC	Old Records Remodel	\$ 161,707	Remodel old records area.	Future	\$ 314,046,592
333	5) Efficiency	A) Now	DOC	IMCC	Dead Records Remodel	\$ 557,491	Remodel dead records area.	Future	\$ 314,604,083
334	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Arc Flash Study	\$ 200,000	Hazard analysis of all electrical panels as required by electrical inspector.	Future	\$ 314,804,083
335	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Guardhouse Roof	\$ 20,000	Replace existing asphalt shingles with clay tile for historic restoration.	Future	\$ 314,824,083
336	5) Efficiency	A) Now	DOC	Newton CF	Install Rooftop Units on Old Administration Building	\$ 115,000	Admin building is currently vacant. RTU is needed to replace the residential furnaces that are currently used to heat and cool the building. The current furnaces do not adequately heat the building.	Future	\$ 314,939,083
337	5) Efficiency	A) Now	DHS	Cherokee	Electronic Door Locks	\$ 375,000	This project will provide added security by converting critical entrances (wards, medical records, supply rooms, etc) from key entrance to badged. This would include CCUSO areas.	Future	\$ 315,314,083
338	5) Efficiency	A) Now	DHS	State Training School - Eldora	Clean the Duct Work in Cottages	\$ 42,000	To improve air quality and efficiency in cottages	Future	\$ 315,356,083
339	5) Efficiency	A) Now	DHS	State Training School - Eldora	Add A/C to School Gym	\$ 175,000	School was built and designed for gym to be cooled, however the coil was never installed. Not having the gym cooled disrupts the air quality in the entire school. Budget to be confirmed prior to funding.	Future	\$ 315,531,083
340	5) Efficiency	A) Now	DPS	Fleet & Supply	Install Fire Suppression System	\$ 157,500	The Fire suppression system has never operated and the holding tank for water was removed before 2002. Facility is 26,640 square feet. Supply side of warehouse has a large number of law enforcement supplies. Given the nature of the materials that are regularly stored in the building, and the location of the building, DPS is requesting addition of fire suppression to minimize risk.	Future	\$ 315,688,583
341	5) Efficiency	A) Now	DHS	Cherokee	Cedar Loop Parking Lot	\$ 150,000	Create new parking lot in safer area reducing employee and visitor accidents in current parking.	Future	\$ 315,838,583
342	5) Efficiency	A) Now	DAS	Capitol Complex	Wallace Building Terrarium Removal	\$ 517,500	Remove the terrarium in the atrium and fill void. Terrarium is difficult to maintain.	Future	\$ 316,356,083
343	5) Efficiency	A) Now	DHS	Independence	Reynolds Building Auditorium Lighting Replacement	\$ 50,000	Lighting is 45+ years old incandescent lights operated with a large old electrical dimmer system that parts can no longer be found for. Lighting in room is very poor and has several dark spots. The existing system needs to be completely removed and replaced. This room is used often.	Future	\$ 316,406,083
344	5) Efficiency	A) Now	DHS	Independence	Boiler Replacement	\$ 500,000	Current boilers are 2 Murray boilers #1 is a 1962 and #2 is a 1969. Though both are in gooc condition this is the campus' only heating source. Getting parts and making repairs are often difficult.	Future	\$ 316,906,083
345	5) Efficiency	A) Now	DHS	Glenwood	Water Shut Off Valve Installation on All Buildings	\$ 90,000	GRC can only shut water off at the entrance to the facility. Twice this year we have had to shu water off for all buildings to complete repairs which creates health and safety concerns, as well as regulatory agency concerns.	Future	\$ 316,996,083
346	5) Efficiency	A) Now	DHS	Glenwood	Water Tower Exterior Painting	\$ 150,000		Future	\$ 317,146,083
347	5) Efficiency	A) Now	DHS	CCUSO	S5 and S8 Restroom Renovation	\$ 700,000	Design and increased use caused damage to the restrooms on the S5 and S8 wards.	Future	\$ 317,846,083

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348	5) Efficiency	A) Now	DHS	Independence	Witte Building Ward Door and Hardware Replacement	\$ 150,000	Many of the existing doors (approximately 200) throughout the building are 50+ years old with hardware that poses a ligature risk to the patients. Existing door hardware cannot be replaced with anti-ligature hardware without replacing the door. Many of the existing locking mechanisms are also obsolete making it difficult to find parts. Project can be done in phases. This phase would address approximately 75 doors.	Future	\$ 317,996,083
349	5) Efficiency	A) Now	DHS	WRC	Redundant Water Supply Installation	\$ 230,000	Establish secondary water source based on age of current infrastructure (water treatment facility 1936, well field 1965) and recommendation of Iowa DNR.	Future	\$ 318,226,083
350	5) Efficiency	A) Now	DOC	Mt. Pleasant	Arc Flash Survey	\$ 50,000	Arc flash survey needs completed for last electrical upgrade.	Future	\$ 318,276,083
351	5) Efficiency	A) Now	DOC	ISP	Building 2 and 3 Humidity Control	\$ 500,000	Phase 2 of Humidity Project for remaining buildings. The HVAC piping system and associated controls will be modified in Buildings 2 and 3 to improve the humidity control in these buildings. These modifications will allow the HVAC systems to reduce the humidity in the buildings without sacrificing temperature control or occupant comfort.	Future	\$ 318,776,083
352	5) Efficiency	A) Now	DOC	Mt. Pleasant	Avenue Lighting Replacement	\$ 150,000	Replace poles and lights (27 total), which would include concrete footings, labor, engineering and construction management.	Future	\$ 318,926,083
353	5) Efficiency	A) Now	DHS	Glenwood	HTU Floor Replacement	\$ 200,000	Current hydraulic leaks under pool floor, along with damaged rams that move the floor up and down. Current floor and parts no longer available. Work under floor is considered confined space which poses serious safety concern for workers who have to go under the floor.	Future	\$ 319,126,083
354	5) Efficiency	A) Now	DAS	Capitol Complex	Historical Building Envelope Replacement	\$ 15,801,422	The existing building walls and roof are terribly inefficient in terms of energy performance and vapor transfer mitigation. These elements are not constructed to museum standards or to the current building standards. The walls and roofs are severely under-insulated. These same walls and roofs lack any type of vapor mitigation assembly. As such, the existing granite cladding panels have been exposed to both trapped water and water vapor over much of their life and are currently deteriorating at an accelerated rate. The proposed scope of work under this request is to remove the granite cladding panels, install a building membrane to mitigate both water intrusion and vapor transmission, install insulation to meet current museum standards, and provide a new metal panel cladding system and associated backup fixing system. These modifications will bring the building envelope to current State and museum standards and ready the building appropriately for modifications to the heating and cooling systems.	Future	\$ 334,927,505
355	5) Efficiency	A) Now	DOC	Ft Dodge CF	High Mast Lights - Lift Cables/Upgrade to LED Lighting	\$ 120,000	The cables are frayed and are a safety issue. LED lighting would be more energy efficient.	Future	\$ 335,047,505
356	5) Efficiency	A) Now	IDOC	IMCC	Arc Flash Study	\$ 80,000	Electrical Standards require a study to be performed to ensure safety of individuals working or passing by electrical panels. This study would also include adding placards and notifications on the panels so individuals know what that safe distance is to be maintained from the panels.	Future	\$ 335,127,505
357	5) Efficiency	A) Now	IDOC	IMCC	Exterior Yard/Parking Lot Lights	\$ 400,000	IMCC needs to upgrade all exterior lighting for inmate yards and also staff parking lots. Should be upgraded to LED lighting. Current light fixtures (terminals and wiring) in the yard area are displaying signs of overheating. The cables and pulley systems for lowering the light fixtures to the ground are malfunctioning on some poles requiring a lift to change bulbs. Contacts also with age, stick and at times, not allowing row of lighting to light up at night without maintenance staff support.	Future	\$ 335,527,505
358	5) Efficiency	A) Now	DHS	State Training School - Eldora	Steam Feed Line, Condensate Return Line, and Domestic Water Line Replacement behind School		The direct bury steam & condensate lines have deteriorated and the condensate is leaking back into the building. We have had it cameraed and have pictures of the damage. The line is under the existing parking lot and road behind the school. The water line also runs with the steam and condensate lines.	Future	\$ 335,527,505
359	5) Efficiency	A) Now	DCA	Centennial Building	Building Study	\$ 50,000	Study to evaluate all major building systems including HVAC (system, configuration and performance), Plumbing (+ fixtures) and Electrical (+ fixtures), Fire suppression and monitoring. Determine current and future performance efficiency and establish the remaining usable life for each system to project future capital facility investment. Fire panel and monitoring system is almost 20 years old. The building is unable to maintain consistent levels of humidity, does not have a vapor barrier to control humidity and protect the unique historical collections and the current HVAC is an amalgamation of systems and parts 1958-Present.	Future	\$ 335,577,505

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360	5) Efficiency	A) Now	DHS	CCUSO	S6 Seclusion Area Remodel	\$ 150,000	Existing area for this project currently unusable due to design. The room was designed and installed when CCUSO first moved to Cherokee. Design is correctional and not appropriate or safe for a treatment program. The fixtures are not ligature-proof which presents a suicide risk.	Future	\$ 335,727,505
361	5) Efficiency	A) Now	DHS	CCUSO	Intercom Integration	\$ 100,000	CCUSO has an existing intercom system that has not worked for years and was never integrated into the door control system as intended. Therefore, handheld radios are used for patient movement which creates too much radio traffic and presents a safety and security issue. This project will eliminate that issue. 7/2018 issue where intercom system crashed and also crashed the door control system overnight. Facility exploring options to disconnect entirely.	Future	\$ 335,827,505
362	5) Efficiency	B) < 1 yr	DHS	Glenwood	Add a 250 ton Chiller	\$ 450,000	Our current 500 ton chillers are too big to support light loads on the campus. The 500 ton chillers automatically shut off during the spring and fall when loads aren't heavy enough, which leaves main campus without air conditioning, including the kitchen, laundry and brain trauma unit.	Future	\$ 336,277,505
363	5) Efficiency	B) < 1 yr	DHS	Glenwood	Evaluate Condensate Return System for Vacuum System Replacement	\$ 50,000	The current condensate return system relies on numerous condensate pumps that are prone to failure and backup of condensate, which inhibits the efficiency of the heating system.	Future	\$ 336,327,505
364	5) Efficiency	B) < 1 yr	DHS	Glenwood	Upgrade HVAC System in Administration Bldg	\$ 100,000	The current ductwork needs to be modified to improve uniformity of heating in the Administration Bldg.	Future	\$ 336,427,505
365	5) Efficiency	B) < 1 yr	IPTV	6450 Corporate Dr	Install a Fire Alarm System at 6535 Corporate Drive	\$ 100,000	The building at 6450 has a sprinkler system but not a fire alarm system. We would like advice on whether there should be a fire alarm system of some type.	Future	\$ 336,527,505
366	5) Efficiency	B) < 1 yr	DOC	Newton CF	Correct Area Drainage Bldg 10	\$ 40,250		Future	\$ 336,567,755
367	5) Efficiency	B) < 1 yr	DHS	Independence	AC Cooling Unit Replacement, Phase 1	\$ 50,000	AC cooling units in several areas are 25+ years old. They operate inefficiently and are very difficult to find parts and repair	Future	\$ 336,617,755
368	5) Efficiency	C) > 1 yr	DHS	CCUSO	Security Updates, Installation of Walk-Through Sally Port Gate and Widening of E/W Yard Gate	\$ 200,000	Add pedestrian sally port. Need a sliding gate between E/W yards. Not wide enough for maintenance equipment to service area. Increased use of main gate for pedestrians map prematurely wear out equipment.	Future	\$ 336,817,755
369	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	Remodel/Renovate Restroom & Shower on Living Units of #20 Bldg	\$ 1,645,360	Restrooms do not comply with ADA regulations. There is poor exhaust resulting in mold issues. There are also safety concerns with the slick flooring. Recent site visit found building is currently unoccupied, but would need to be addressed if building is repurposed.	Future	\$ 338,463,115
370	5) Efficiency	C) > 1 yr	IPTV	6450 Corporate Dr	Install a Janitorial Closet with a Mop Sink	\$ 5,000	Janitors are not cleaning appropriately.	Future	\$ 338,468,115
371	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	10 Cell Isolation Expansion	\$ 300,000	Capital. Need for additional lock-up space.	Future	\$ 338,768,115
372	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 17 and 22	\$ 1,353,165	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 two parking lots are existing gravel areas to the north of IWD and are on a hillside and vehicles can slide down the hill during icy conditions. These lots have been closed off during icy conditions.	Future	\$ 340,121,280
373	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Capitol Complex Emergency Generator Study	\$ 107,060	The existing emergency generators and transfer switches located at the various buildings need to be addressed.	Future	\$ 340,228,340
374	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Boiler Optimization	\$ 457,014	Replace burners for Boiler #3 and add new DDC controls for all 3 boilers optimization.	Future	\$ 340,685,353
375	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Chilled Water 3-way Valve to 2-way Valve Replacement Campus Wide	\$ 647,478	Replace the chilled water 3 way valves to 2 way valves to allow for the optimization of the chilled water program to improve energy efficiency.	Future	\$ 341,332,832
376	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Demolition of Old and Abandoned Mechanical and Electric Systems	\$ 323,739	Clean-up and removal of old and abandoned mechanical and electrical equipment and systems throughout the buildings and tunnels.	Future	\$ 341,656,571
377	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Re-commissioning and Balancing of Systems and Equipment	\$ 323,739	Re-commission equipment and balance HVAC systems throughout Capitol Complex buildings to improve energy efficiency and occupant comfort.	Future	\$ 341,980,310
378	5) Efficiency	C) > 1 yr	DAS	Iowa Labs	Iowa Labs Wall Extensions up to the Deck	\$ 150,000	Extend walls up to the deck for pressurization requirements. Required for testing requirements and cross contamination.	Future	\$ 342,130,310
379	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Replace 3 Cooling Towers	\$ 475,000	Install high efficiency cooling towers to reduce energy consumption, water use and maintenance expenses.	Future	\$ 342,605,310

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380	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Kitchen HVAC and Hood Ventilation	\$ 250,000	Improved food safety/sanitation in food prep areas.	Future	\$ 342,855,310
381	5) Efficiency	C) > 1 yr	DHS	Cherokee	Install Elevator in Wirth Hall Building	\$ 715,000	Handicapped access for campus housing rental. Can find alternative locations when handicapped access is required. Cost may be double the request, based on CCUSO elevator cost.	Future	\$ 343,570,310
382	5) Efficiency	C) > 1 yr	DHS	Independence	Stewart Hall Window Replacement	\$ 352,500		Future	\$ 343,922,810
383	5) Efficiency	C) > 1 yr	DHS	Independence	Infirmary Window Replacement	\$ 705,000		Future	\$ 344,627,810
384	5) Efficiency	C) > 1 yr	DHS	Independence	Witte Electrical Upgrade	\$ 200,000		Future	\$ 344,827,810
385	5) Efficiency	C) > 1 yr	DHS	Independence	Infirmary Electrical Upgrade	\$ 100,000		Future	\$ 344,927,810
386	5) Efficiency	C) > 1 yr	DHS	Independence	Campus-wide Asbestos Abatement	\$ 300,000		Future	\$ 345,227,810
387	5) Efficiency	C) > 1 yr	DOC	Clarinda	Kitchen and Storeroom	\$ 15,000,000	Construct new kitchen and storeroom for the DOC. Storeroom has known structural cracking and deficiencies. Kitchen was last redone in 1995 and needs repaired or replaced.	Future	\$ 360,227,810
388	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Update Kitchen Cooler/Freezers and Food Storage Areas	\$ 150,000	Kitchen coolers/freezers and food storage areas are in need of renovation and improvement in energy efficiency and are approaching the end of their useful life.	Future	\$ 360,377,810
389	5) Efficiency	C) > 1 yr	DOC	Newton CF	Install Security Screens in Dorms 1/2 Windows	\$ 175,000		Future	\$ 360,552,810
390	5) Efficiency	C) > 1 yr	DOC	Newton CF	Replace Water Line Bldg. #10 to Shop and Warehouse	\$ 46,000		Future	\$ 360,598,810
391	5) Efficiency	C) > 1 yr	DOC	Newton CF	Replace Electrical in Bldg. 14 (ILU) and 10 (Training Center)	\$ 17,250		Future	\$ 360,616,060
392	5) Efficiency	C) > 1 yr	DOC	Newton CF	CRC - Replace Showers in Dorms 1 & 2	\$ 287,500	The plumbing is old and needs to be replaced, ventilation needs to be updated.	Future	\$ 360,903,560
393	5) Efficiency	C) > 1 yr	DOC	Newton CF	Replace Dietary Equipment	\$ 575,000		Future	\$ 361,478,560
394	5) Efficiency	C) > 1 yr	DOC	Newton CF	Chemical and Paint Storage Facility	\$ 63,250		Future	\$ 361,541,810
395	5) Efficiency	C) > 1 yr	DOC	Newton CF	Replace Servery Equipment	\$ 287,500		Future	\$ 361,829,310
396	5) Efficiency	C) > 1 yr	DOC	Newton CF	Metal Storage Building	\$ 115,000		Future	\$ 361,944,310
397	5) Efficiency	C) > 1 yr	DOC	Newton CF	Vehicle Building	\$ 143,750		Future	\$ 362,088,060
398	5) Efficiency	C) > 1 yr	DOC	Newton CF	Add Room to Maintenance Building and Proper Ventilation	\$ 50,000		Future	\$ 362,138,060
399	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Replace Laundry Equipment	\$ 300,000	Rising population numbers have increased the laundry operation by 30%, taxing a system that is nearing the end of its life cycle.	Future	\$ 362,438,060
400	5) Efficiency	C) > 1 yr	DOC	Newton CF	Upgrade Boilers and Chillers	\$ 2,875,000	Chillers need replaced they are past their expected lifecycle. Boilers need retubed, we are repairing as needed.	Future	\$ 365,313,060
401	5) Efficiency	C) > 1 yr	DOC	Newton CF	Building for Salt and Sand Storage	\$ 97,750		Future	\$ 365,410,810
402	5) Efficiency	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Windows at 6450 Corporate Drive	\$ 250,000	Single pane windows are original to the building (1985). New windows would be more energy efficient. Need to refine budget.	Future	\$ 365,660,810
403	5) Efficiency	C) > 1 yr	IPTV	6535 Corporate Dr	Replace Windows at 6535 Corporate Drive	\$ 250,000	Windows are original to the building (1997). New windows would be more energy efficient. Need to refine budget.	Future	\$ 365,910,810

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404	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Inflow and Infiltration Upgrades	\$ 350,000	Determine where the I&I problems exist through extensive televising and correcting pipe deterioration, capping old pipes, and upgrading sewer system to prevent I&I water from entering system.	Future	\$ 366,260,810
405	5) Efficiency	C) > 1 yr	DHS	Glenwood	Add Storage Rooms to Houses 464 and 468	\$ 125,000	To store patient medical equipment. Fire Marshal does not allow it to be stored in the hallway or patient bedrooms.	Future	\$ 366,385,810
406	5) Efficiency	C) > 1 yr	DHS	Glenwood	Redemption Center Storage	\$ 557,495	Add storage/pole building for can redemption center storage.	Future	\$ 366,943,305
407	5) Efficiency	C) > 1 yr	Terrace Hill	Terrace Hill	Perimeter Fence - Install	\$ 359,370	Increase security	Future	\$ 367,302,675
408	5) Efficiency	C) > 1 yr	Terrace Hill	Terrace Hill	5 Garage Doors - Replace	\$ 43,258	Wood doors absorb moisture	Future	\$ 367,345,933
409	5) Efficiency	C) > 1 yr	Terrace Hill	Terrace Hill	Carriage House Parking Lot - Enlarge	\$ 26,354	Additional parking for volunteers when street parking is prohibited	Future	\$ 367,372,287
410	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	Add A/C to East & West House	\$ 3,500,000	The conditions impact the health and safety of offenders and staff. Ventilation is very poor and humidity is high. We had a ventilation study for the Living units, however it found there was no low-cost option to improve ventilation. AC would be the best option given the only ventilation for the bathrooms comes from operable windows. We have completed the window project on the East side and preparing to complete for the West side, which will make the AC more effective. This would go a long way to control the period mold issues as well as make the living and working environments tolerable, especially for all offenders who have breathing and other health issues.	Future	\$ 370,872,287
411	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Add Electrical Service (Lights and Receptacles) to Pole Barn.	\$ 8,800	Lighting for dark winter months and power for charging tools and equipment. (Currently lease outdoor security light from utility).	Future	\$ 370,881,087
412	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Power Plant Boiler Upgrade	\$ 100,000	Provides domestic hot water and heat for entire facility except laundry and dietary. Replace burners for higher efficiency.	Future	\$ 370,981,087
413	5) Efficiency	Now	DHS	Glenwood	Insulate Steam and Chilled Water Lines in the Utility Tunnels	\$ 250,000	The current insulation is in need of replacement to maintain the structural integrity of the utility tunnels.	Future	\$ 371,231,087
414	6) Demo	A) Now	DAS	Capitol Complex	Fleet Building Demolition	\$ 1,500,000	Preliminary budget estimate pending finalization of communication and high voltage relocations costs. Demolish the vacated Fleet building and return area to greenspace. Does not include costs to complete the original West Capitol Terrace master plan.	Future	\$ 372,731,087
415	6) Demo	A) Now	DHS	Independence	Grove Hall Demolition	\$ 200,000		Future	\$ 372,931,087
416	6) Demo	A) Now	DOC	Clarinda	Demolition of Hope Hall	\$ 400,000	Abandoned, facility will not allow entry to building due to safety concerns.	Future	\$ 373,331,087
417	6) Demo	A) Now	DOC	Clarinda	Demolition of 300,000 Water Tower	\$ 80,000	1920's water tower needs removal.	Future	\$ 373,411,087
418	6) Demo	A) Now	DHS	Independence	Hill Top Demolition	\$ 100,000		Future	\$ 373,511,087
419	6) Demo	A) Now	DVA	Iowa Veterans Home	Demolish Cave	\$ 36,250	Demolish cave due to deteriorating wall. This demolition would allow the DOT to reconfigure roadway.	Future	\$ 373,547,337
420	6) Demo	A) Now	DHS	Cherokee	Demolish Wade Building	\$ 500,000	Building is unusable, there are structural concerns with the canopy and it is becoming an attractive nuisance.	Future	\$ 374,047,337
421	6) Demo	A) Now	DOC	ISP (Old Site)	Demolition of the Industries Building	\$ 5,000,000	The Industries West Wing parapet is starting to fall off on the southwest corner and has started to fall into the pedestrian walkway. Due to the move, the pedestrian walkway has limited use.	Future	\$ 379,047,337
422	6) Demo	A) Now	DHS	State Training School - Eldora	Remove Current Fuel Oil System	\$ 250,000	STS uses diesel as a backup fuel for the boilers. The current fuel oil barrels are single wall steel with no leak protection and the current containment system is not sufficient for the amount of fuel oil that the barrels can hold. When a leak does occur it will spill into the creek behind the fuel oil barrels and contaminate the entire creek. When we do have a leak we will be cited and fined by IDNR or EPA. STS does not need back-up fuel capability, so the budget is to remove the entire system in order to mitigate the risk.	Future	\$ 379,297,337
423	6) Demo	C) > 1 yr	DOC	Mt. Pleasant	Demolition of Training Academy	\$ 225,000	Vacant training academy used for storage. Large building that would take too much money to become ADA compliant. Currently dealing with mold issues as the building is closed up.	Future	\$ 379,522,337

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424	6) Demo	C) > 1 yr	DHS	State Training School - Eldora	Demolition - Poultry Feed, Canary, Coal Room, Concrete Garage, Root Cellar	\$ 296,000	These buildings serve no function and are beyond repair.	Future	\$ 379,818,337
425	6) Demo	C) > 1 yr	DOC	Mt. Pleasant	Demolition of 1102 E. Washington	\$ 10,000	The house is vacant and in poor repair.	Future	\$ 379,828,337
426	6) Demo	C) > 1 yr	DHS	Cherokee	Demolish Donahoe Building	\$ 500,000		Future	\$ 380,328,337
427	7) None		DVA	IDVA	No Projects Requested	\$ -		Future	\$ 380,328,337
428	7) None		ABD	ABD	No Projects Requested	\$ -		Future	\$ 380,328,337

Subtotal Future \$ 276,759,094

Total: \$ 380,328,337

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