

Project priorities may be adjusted to reflect facility condition changes and final cost estimates.

	Category	Building	Project Description	\$200M
CROOKSTON CAMPUS				
1	Life Safety / Code	Bergland Laboratory	Fire suppression and code upgrades	\$ 175,000
2	Utility Infrastructure	Campus Natural Gas Distribution	Natural gas distribution line replacement	\$ 1,250,000
3	Mechanical	Crookston Campus	Critical infrastructure renewal	\$ 1,594,472
4	Mechanical	Heating Plant	Domestic hot water heater replacement	\$ 85,000
5	Utility Infrastructure	Heating Plant	Utility line replacement	\$ 135,000
6	Mechanical	Sahlstrom Conference Center	Electric distribution replacement	\$ 750,000
				\$ 3,989,472
DULUTH CAMPUS				
7	Mechanical	Duluth Campus	Critical infrastructure renewal	\$ 906,463
8	Mechanical	Humanities	HVAC and code renewal	\$ 8,500,000
9	Mechanical	Heller Hall	HVAC and code renewal	\$ 8,500,000
				\$ 17,906,463
MORRIS CAMPUS				
10	Building Envelope	Behmler Hall	Window replacement	\$ 825,000
11	Life Safety / Code	Behmler Hall	Restroom upgrades	\$ 100,000
12	Building Envelope	Blakely Hall	Masonry restoration	\$ 45,000
13	Life Safety / Code	Blakely Hall	Accessibility upgrade (design)	\$ 40,000
14	Building Envelope	Humanities	Water infiltration	\$ 100,000
15	Life Safety / Code	Humanities Fine Arts	Handrail / guardrail code upgrade - PH II	\$ 150,000
16	Utility Infrastructure	Morris Campus	Chilled water upgrade - Shutoffs	\$ 120,000
17	Building Envelope	Morris Campus	Masonry Restoration	\$ 102,000
18	Life Safety / Code	Morris Campus	Critical Infrastructure Renewal	\$ 1,625,906
19	Life Safety / Code	Multi-Ethnic Resource Center	Elevator installation	\$ 1,000,000
20	Life Safety / Code	Multi-Ethnic Resource Center	Restroom upgrades	\$ 150,000
21	Life Safety / Code	Multi-Ethnic Resource Center	Fire alarm installation	\$ 70,000
22	Life Safety / Code	Physical Education Center	Bleacher replacement	\$ 500,000
23	Mechanical	Physical Education Center	Ceiling and lighting renewal	\$ 350,000
24	Life Safety / Code	Physical Education Center	Restroom upgrades	\$ 200,000
25	Life Safety / Code	Science Auditorium	Restroom upgrades	\$ 200,000
26	Building Envelope	Science Auditorium	Exterior wall and stair repair	\$ 60,000
27	Building Envelope	Seed House	Roof replacement	\$ 40,000
28	Building Envelope	Shops	Roof replacement	\$ 70,000
29	Building Envelope	Student Center	Roof replacement	\$ 100,000
30	Building Envelope	Student Center	Exterior envelope improvements	\$ 80,000
				\$ 5,927,906
RESEARCH AND OUTREACH CENTERS AND FIELD STATIONS				
31	Life Safety / Code	Cedar Creek - Campus	Fire suppression system installation	\$ 180,000
32	Mechanical	Cedar Creek - Drying Barn	HVAC and insulation	\$ 29,700
33	Utility Infrastructure	Cedar Creek - Lawrence Lab	Emergency generator installation	\$ 24,500
34	Mechanical	Cedar Creek - Lindeman	Maintenance platforms for HVAC systems	\$ 10,500
35	Life Safety / Code	Cedar Creek - Lodging	Critical infrastructure renewal	\$ 149,992
36	Building Envelope	Itasca - Lakeside Lab	Envelope renewal	\$ 30,000
37	Life Safety / Code	Itasca - Lodging	Research cabin bathroom renewal	\$ 30,000
38	Building Envelope	Itasca - Lodging	Thermal pane windows and insulation	\$ 65,600
39	Building Envelope	Itasca - Lodging	Critical infrastructure renewal	\$ 50,000

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40	Mechanical	Itasca - Student Cabins	Geothermal installation	\$ 150,000
41	Building Envelope	Arboretum - Snyder	Window replacement	\$ 313,407
42	Life Safety / Code	Arboretum - Snyder	Accessible restroom upgrade	\$ 175,000
43	Life Safety / Code	Arboretum - Snyder	Critical infrastructure renewal	\$ 30,000
44	Mechanical	Cloquet - Admin Building	Furnace replacement for Auditorium	\$ 75,000
45	Life Safety / Code	Cloquet - Administration Building	Critical infrastructure needs	\$ 150,000
46	Building Envelope	Cloquet - Cabin 2	Windows, siding and insulation repairs	\$ 200,000
47	Mechanical	Cloquet - Campus	Underground tank and manifold replacement	\$ 230,000
48	Life Safety / Code	Cloquet - Campus	Accessible restroom upgrade	\$ 40,000
49	Building Envelope	Cloquet - Campus	Roof replacements - multiple	\$ 30,000
50	Mechanical	Cloquet - Campus	Furnace replacement for Auditorium	\$ 25,000
51	Mechanical	Cloquet - Dining Center	Infrastructure Upgrades	\$ 250,000
52	Building Envelope	Horticulture Research -Multiple	Roof replacements	\$ 85,000
53	Building Envelope	Hubachek - Ahlgren Cabin	Window Replacement and insulation	\$ 35,000
54	Building Envelope	Hubachek - Bunk House	Window replacement	\$ 15,000
55	Utility Infrastructure	Hubachek - Campus	Electrical distribution renewal	\$ 350,000
56	Mechanical	Hubachek - Campus	Plumbing for 4-season temperature control	\$ 250,000
57	Life Safety / Code	Hubachek - Campus	Accessible restroom upgrade	\$ 100,000
58	Building Envelope	Hubachek - Campus	Roof Replacements - multiple	\$ 50,000
59	Building Envelope	Hubachek - Gazebo overlook	Roof replacement	\$ 16,000
60	Building Envelope	Hubachek - Lodge	Window Replacement	\$ 60,000
61	Building Envelope	NCROC - Beef Handling	Roof and siding replacement	\$ 35,000
62	Mechanical	NCROC - Greenhouse	LED Lighting Upgrades	\$ 25,000
63	Building Envelope	NCROC - Small Equipment Storage	Structural repairs and roof replacement	\$ 150,000
64	Building Envelope	NWROC - Ag Research Center	Greenhouse envelope repairs	\$ 40,000
65	Life Safety / Code	NWROC - Ag Research Center	Critical infrastructure renewal	\$ 60,000
66	Building Envelope	NWROC - Ag Research Center	Exterior door replacements	\$ 35,000
67	Utility Infrastructure	NWROC - Campus	Sanitary sewer system repair	\$ 50,000
68	Mechanical	NWROC - Greenhouse	Controls system replacement	\$ 50,000
69	Mechanical	SROC - Campus	LED lighting	\$ 150,000
70	Building Envelope	SROC - Feed Processing Building	Roof replacement	\$ 20,000
71	Mechanical	SROC - Horticulture Bldg.	HVAC and door replacement	\$ 32,166
72	Building Envelope	SROC - Main Office	Roof and stucco replacement	\$ 100,000
73	Mechanical	SROC - Shop Building	Ventilation and lighting replacement	\$ 90,000
74	Building Envelope	SROC - Sow/Boar Unit	Roof and structural members reappear	\$ 100,000
75	Mechanical	SROC - Swine Isolation Bldg. (Hog 1)	Electrical, plumbing and envelope renewal	\$ 71,200
76	Mechanical	SROC - Swine Metabolic Bldg. (Hog 2)	Electrical, plumbing and envelope renewal	\$ 75,000
77	Life Safety / Code	SWROC - Campus	Fire alarm system installation	\$ 350,000
78	Building Envelope	SWROC - Quonset Machine Shed	Roof recoating	\$ 55,000
79	Building Envelope	WCROC - Building 017 and 018	Roof and siding replacement	\$ 75,000
80	Life Safety / Code	WCROC - Farrowing Barn	Code and Infrastructure Improvements	\$ 175,000
81	Building Envelope	WCROC - Guest House	Building improvements	\$ 75,000
82	Life Safety / Code	WCROC - Silage Storage	Silage bunker replacement	\$ 70,000
83	Life Safety / Code	WCROC - Swine Nursery	Steel wall replacement	\$ 90,000
				\$ 5,173,065

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TWIN CITIES CAMPUS				
84	Utility Infrastructure	717 Delaware	Secondary switchgear replacement	\$ 500,000
85	Life Safety / Code	Amundson Hall	Elevator renewal	\$ 525,000
86	Building Envelope	Animal Sci / Vet Med	Window replacement	\$ 2,700,000
87	Life Safety / Code	Appleby Hall	Elevator renewal	\$ 700,000
88	Life Safety / Code	Appleby Hall	Fire alarm and sprinkler upgrade	\$ 500,000
89	Building Envelope	Barker Dance	Exterior envelope renewal (design)	\$ 220,000
90	Building Envelope	Biological Sciences	Window replacement, tuckpointing and screens	\$ 3,052,000
91	Life Safety / Code	Borlaug Hall	Elevator renewal	\$ 1,100,000
92	Life Safety / Code	Borlaug Hall	Accessible restroom upgrade	\$ 150,000
93	Life Safety / Code	Burton Hall	Exterior renewal - portico entry	\$ 1,300,000
94	Life Safety / Code	Burton Hall	Elevator modernization	\$ 500,000
95	Life Safety / Code	Burton Hall	Fire alarm and sprinkler upgrade	\$ 300,000
96	Building Envelope	Ctr for Magnetic Resonance Res.	Roof replacement; original sections	\$ 850,000
97	Life Safety / Code	Children's Rehab	Elevator renewal	\$ 1,240,000
98	Life Safety / Code	Coffey Hall	Elevator renewal	\$ 500,000
99	Mechanical	Cooke Hall	Heat recovery unit replacement	\$ 1,325,000
100	Mechanical	Cooke Hall	Water heater replacement	\$ 250,000
101	Life Safety / Code	Cooke Hall	Accessible restroom upgrade	\$ 100,000
102	Life Safety / Code	Cooke Hall	Code and infrastructure improvements (design)	\$ 100,000
103	Building Envelope	Donhowe Building	Building envelope / tuckpointing	\$ 550,000
104	Building Envelope	Ecology Building	Water infiltration	\$ 1,655,000
105	Life Safety / Code	Ferguson Hall	Fire sprinkler extension and renewal	\$ 3,000,000
106	Building Envelope	Ferguson Hall	Roof replacement	\$ 2,205,000
107	Life Safety / Code	Fieldhouse	Accessible restroom upgrade	\$ 600,000
108	Mechanical	Food Science & Nutrition	Capital renewal	\$ 20,000,000
109	Life Safety / Code	Gortner Lab	Elevator renewal	\$ 850,000
110	Life Safety / Code	Heller Hall	Elevator renewal	\$ 1,600,000
111	Life Safety / Code	Johnston Hall	Fire sprinkler and alarm upgrades	\$ 500,000
112	Mechanical	Kaufert Lab	Environmental room renewal	\$ 100,000
113	Mechanical	KE Dwan	HVAC Controls	\$ 1,700,000
114	Life Safety / Code	KE Dwan	Fire alarm replacement	\$ 1,200,000
115	Utility Infrastructure	Kolthoff Hall	Secondary electrical room code improvements	\$ 1,000,000
116	Utility Infrastructure	Mayo	Secondary switchgear replacement	\$ 500,000
117	Building Envelope	Magrath Library	Window and skylight replacement	\$ 750,000
118	Utility Infrastructure	Main Energy Plant	District Chilled Water	\$ 10,000,000
119	Building Envelope	McNeal Hall	Roof and curtainwall replacement	\$ 390,000
120	Building Envelope	Molecular Cellular Biology (MCB)	Expansion joint and plaza waterproofing	\$ 2,500,000
121	Life Safety / Code	Mondale Hall	Fire sprinkler renewal	\$ 1,500,000
122	Building Envelope	Mondale Hall	Roof replacement and skylights	\$ 925,000
123	Life Safety / Code	Mondale Hall	Accessible restroom upgrade (Library)	\$ 150,000
124	Mechanical	Moos Tower	HVAC renewal	\$ 4,500,000
125	Life Safety / Code	Moos Tower	Fire alarm and dampers	\$ 7,500,000
126	Life Safety / Code	Moos Tower	Stair pressurization system	\$ 7,250,000
127	Building Envelope	Moos Tower	North plaza water infiltration	\$ 2,500,000
128	Life Safety / Code	Moos Tower	Asbestos abatement	\$ 1,250,000

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129	Mechanical	Moos Tower	Heat exchanger renewal	\$ 200,000
130	Life Safety / Code	Moos Tower	Power door operator additions	\$ 150,000
131	Life Safety / Code	Moos Tower	Fire life safety (design)	\$ 150,000
132	Utility Infrastructure	MPLS Utilities - Steam	Repair cracking roof; deep tunnel intersect	\$ 500,000
133	Utility Infrastructure	MPLS Utilities- Chilled Water	Distribution tie-in for Rarig, Ferguson, Mann	\$ 600,000
134	Utility Infrastructure	MPLS Utilities- Chilled Water	Chilled water connection to 717 Delaware	\$ 500,000
135	Utility Infrastructure	MPLS Utilities - Electrical	Generator transfer switch renewal - Moos/PWB	\$ 50,000
136	Utility Infrastructure	MPLS Utilities - Electrical	E-Generator loadbank connections	\$ 200,000
137	Utility Infrastructure	MPLS Utilities - Water	Manhole rebuild	\$ 500,000
138	Building Envelope	Nils Hasselmo Hall	Roof replacement	\$ 2,500,000
139	Life Safety / Code	Nils Hasselmo Hall	Fire alarm panel and device replacement	\$ 750,000
140	Utility Infrastructure	Nils Hasselmo Hall	Generator paralleling gear renewal	\$ 50,000
141	Building Envelope	Nolte Center	Roof replacement	\$ 850,000
142	Building Envelope	Peik Hall	Roof replacement	\$ 750,000
143	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Fire life safety improvements	\$ 7,000,000
144	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Elevator renewal	\$ 3,250,000
145	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Stair pressurization system	\$ 2,750,000
146	Mechanical	Phillips Wangenstein Bldg (PWB)	Storm water drain system replacement	\$ 2,250,000
147	Mechanical	Phillips Wangenstein Bldg (PWB)	Steam station replacement	\$ 1,200,000
148	Mechanical	Phillips Wangenstein Bldg (PWB)	Electric fire pump replacement	\$ 1,175,750
149	Building Envelope	Phillips Wangenstein Bldg (PWB)	Precast panel joint sealant renewal	\$ 1,175,000
150	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Accessible restroom upgrade	\$ 450,000
151	Mechanical	Phillips Wangenstein Bldg (PWB)	Cooling tower replacement	\$ 325,000
152	Mechanical	Phillips Wangenstein Bldg (PWB)	Lighting retrofits	\$ 300,000
153	Building Envelope	Rapson Hall	West areawell waterproofing	\$ 315,000
154	Life Safety / Code	Reuse Building	Fire supression system corrections	\$ 60,000
155	Building Envelope	Shevlin Hall	Exterior envelope upgrades	\$ 1,500,000
156	Building Envelope	Shevlin Hall	Exterior envelope upgrades (design)	\$ 150,000
157	Building Envelope	Social Sciences	Window replacement and tuckpointing	\$ 7,500,000
158	Mechanical	UMTC Campus Wide	Infrastructure renewal for Smart Labs	\$ 5,000,000
159	Life Safety / Code	UMTC Campus Wide	Critical Infrastructure Renewal	\$ 6,435,344
160	Mechanical	University Office Plaza	Building control upgrades	\$ 125,000
161	Life Safety / Code	Variety Club Research Clinic (VCRC)	Elevator renewal	\$ 1,275,000
162	Life Safety / Code	Vet Diagnostic Lab	Elevator renewal	\$ 550,000
163	Life Safety / Code	Vet Med Center South	Fire alarm and sprinkler installation	\$ 1,100,000
164	Life Safety / Code	Vet Med Center South	Elevator renewal	\$ 530,000
165	Building Envelope	Vincent Hall	Window replacement - punch windows	\$ 3,000,000
166	Building Envelope	Vincent Hall	Window replacement - storefront	\$ 2,000,000
167	Life Safety / Code	Vincent Hall	Fire sprinkler installation	\$ 1,500,000
168	Building Envelope	Wash Ave Ped Bridge	Restore pedestrian enclosure and railings	\$ 9,000,000
169	Building Envelope	West Bank District	Wilson Plaza waterproofing and repair	\$ 4,000,000
170	Building Envelope	West Bank District	West Bank Plaza waterproofing and repair	\$ 4,250,000
171	Mechanical	West Bank Office Building (WBOB)	Code improvements	\$ 500,000
				\$ 167,003,094

TOTAL - ALL CAMPUSES

\$ 200,000,000