

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

	Category	Building	Project Description	\$400M
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 stabilization	\$ 1,250,000
3	Utility Infrastructure	Crookston Campus - UTOC	Geothermal heating conversion	\$ 3,100,000
4	Life Safety / Code	Crookston Campus	Critical infrastructure renewal	\$ 558,945
5	Utility Infrastructure	Heating Plant	Utility line replacement	\$ 635,000
6	Mechanical	Heating Plant	Domestic hot water heater replacement	\$ 85,000
7	Building Envelope	Owen Hall	Exterior façade renewal	\$ 475,000
8	Life Safety / Code	Owen Hall	Life safety and code upgrades	\$ 200,000
9	Mechanical	Sahlstrom Conference Center	Electric distribution replacement	\$ 1,250,000
10	Building Envelope	Selvig, Bergland and links	Roof replacement	\$ 250,000
				\$ 7,978,945
DULUTH CAMPUS				
11	Life Safety / Code	Duluth Campus	Critical infrastructure renewal	\$ 812,926
12	Mechanical	Heller Hall	HVAC and code renewal	\$ 12,000,000
13	Mechanical	Humanities plus adjacent space	HVAC and code renewal	\$ 14,500,000
14	Mechanical	Library Annex	HVAC and code renewal	\$ 4,000,000
15	Building Envelope	Marshall W Alworth Hall	Roof replacement (patio area)	\$ 1,500,000
16	Mechanical	Voss Kovach Hall	HVAC and code renewal	\$ 3,000,000
				\$ 35,812,926
MORRIS CAMPUS				
17	Mechanical	Behmler Hall	HVAC replacement and insulation	\$ 1,900,000
18	Building Envelope	Behmler Hall	Window replacement	\$ 825,000
19	Life Safety / Code	Behmler Hall	Restroom upgrades	\$ 100,000
20	Building Envelope	Blakely Hall	Masonry restoration	\$ 45,000
21	Life Safety / Code	Blakely Hall	Accessibility upgrade (design)	\$ 40,000
22	Building Envelope	Briggs Library	Window replacement and insulation	\$ 1,000,000
23	Life Safety / Code	Briggs Library	Restroom upgrades	\$ 775,906
24	Mechanical	Camden Hall	HVAC replacement and insulation	\$ 1,377,906
25	Life Safety / Code	Cougar Sports Center	Bleacher replacement	\$ 900,000
26	Mechanical	Cougar Sports Center	Ceiling and lighting renewal	\$ 350,000
27	Life Safety / Code	Cougar Sports Center	Restroom upgrades	\$ 200,000
28	Building Envelope	Humanities	Water infiltration	\$ 100,000
29	Life Safety / Code	Humanities Fine Arts	Handrail / guardrail code upgrade - PH II	\$ 150,000
30	Utility Infrastructure	Morris Campus	Utility upgrades to Storm and Sanitary	\$ 350,000
31	Utility Infrastructure	Morris Campus	Chilled water upgrade - Shutoffs	\$ 120,000
32	Building Envelope	Morris Campus	Masonry Restoration	\$ 102,000
33	Life Safety / Code	Multi-Ethnic Resource Center	Elevator installation	\$ 1,500,000
34	Mechanical	Multi-Ethnic Resource Center	HVAC replacement and insulation	\$ 1,250,000
35	Life Safety / Code	Multi-Ethnic Resource Center	Restroom upgrades	\$ 150,000
36	Life Safety / Code	Multi-Ethnic Resource Center	Fire alarm installation	\$ 70,000
37	Life Safety / Code	Science Auditorium	Restroom upgrades	\$ 200,000
38	Building Envelope	Science Auditorium	Exterior wall and stair repair	\$ 60,000
39	Building Envelope	Seed House	Roof replacement	\$ 40,000
40	Building Envelope	Shops	Roof replacement	\$ 70,000

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41	Building Envelope	Student Center	Roof replacement	\$ 100,000
42	Building Envelope	Student Center	Exterior envelope improvements	\$ 80,000
				\$ 11,855,812

RESEARCH AND OUTREACH CENTERS AND FIELD STATIONS

43	Utility Infrastructure	Cedar Creek - Bur Oak House	Septic replacement	\$ 36,000
44	Mechanical	Cedar Creek - Bur Oak House	Insulation addition	\$ 11,000
45	Life Safety / Code	Cedar Creek - Campus	Fire suppression system installation	\$ 180,000
46	Life Safety / Code	Cedar Creek - Dormitory	ADA access and mobility improvements	\$ 13,000
47	Utility Infrastructure	Cedar Creek - Lawrence Lab	Emergency generator installation	\$ 24,500
48	Mechanical	Cedar Creek - Lindeman	Maintenance platforms for HVAC systems	\$ 10,500
49	Life Safety / Code	Cedar Creek - Lodging	Critical infrastructure renewal	\$ 100,000
50	Utility Infrastructure	Itasca - Assembly Hall	Geothermal installation	\$ 225,000
51	Life Safety / Code	Itasca - Assembly Hall	ADA access and mobility improvements	\$ 10,000
52	Mechanical	Itasca - Building 70	HVAC system renewal	\$ 15,000
53	Building Envelope	Itasca - Lab Building 40	Exterior envelope and foundation renewal	\$ 115,000
54	Building Envelope	Itasca - Lab Building 48	Envelope renewal	\$ 125,000
55	Building Envelope	Itasca - Lakeside Lab	Envelope renewal	\$ 50,000
56	Life Safety / Code	Itasca - Lodging	Foundation rebuild	\$ 77,500
57	Life Safety / Code	Itasca - Lodging	Research cabin bathroom renewal	\$ 60,000
58	Life Safety / Code	Itasca - Lodging	Critical infrastructure renewal	\$ 49,684
59	Utility Infrastructure	Itasca - Student Cabins	Geothermal installation	\$ 338,400
60	Life Safety / Code	Arboretum - Snyder	Accessible restroom upgrade	\$ 200,000
61	Life Safety / Code	Arboretum - Snyder	Critical infrastructure renewal	\$ 70,000
62	Life Safety / Code	Cloquet - Administration Building	Critical infrastructure needs	\$ 100,000
63	Building Envelope	Cloquet - Cabin 2	Windows, siding and insulation repairs	\$ 132,983
64	Mechanical	Cloquet - Cabin 2	Chimney exhaust replacement	\$ 30,000
65	Utility Infrastructure	Cloquet - Campus	Underground water tank and manifold renewal	\$ 350,000
66	Mechanical	Cloquet - Campus	Furnace replacements	\$ 50,000
67	Life Safety / Code	Cloquet - Campus	Critical infrastructure renewal	\$ 30,000
68	Building Envelope	Cloquet - Classroom Admin	Exterior siding replacement	\$ 400,000
69	Building Envelope	Cloquet - Classroom Admin	Exterior door and window replacement	\$ 175,000
70	Mechanical	Cloquet - Classroom Admin	Furnace replacement for Auditorium	\$ 100,000
71	Mechanical	Cloquet - Dining Center	Infrastructure Upgrades	\$ 300,000
72	Life Safety / Code	Cloquet - Extension Building	ADA upgrades and HVAC renewal	\$ 250,000
73	Building Envelope	Horticulture Research - Multiple	Roof replacements	\$ 222,773
74	Utility Infrastructure	Hubachek - Ahlgren Cabin	Water infrastructure replacement	\$ 250,000
75	Building Envelope	Hubachek - Ahlgren Cabin	Window Replacement and insulation	\$ 55,000
76	Building Envelope	Hubachek - Bunk House	Window replacement	\$ 50,000
77	Utility Infrastructure	Hubachek - Campus	Electrical distribution renewal	\$ 350,000
78	Building Envelope	Hubachek - Campus	Roof Replacements - multiple	\$ 175,000
79	Life Safety / Code	Hubachek - Campus	Critical infrastructure renewal	\$ 150,000
80	Life Safety / Code	Hubachek - Campus	Accessible restroom upgrade	\$ 150,000
81	Mechanical	Hubachek - Campus	Water heater replacements	\$ 50,000
82	Building Envelope	Hubachek - Lodge	Window Replacement	\$ 60,000
83	Utility Infrastructure	NCROC - Beef Handling	Infrastructure Upgrades	\$ 35,000

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84	Mechanical	NCROC - Campus	Wastewater piping replacement	\$ 100,000
85	Mechanical	NCROC - Greenhouse	LED Lighting Upgrades	\$ 25,000
86	Mechanical	NCROC - Hog Barn	Boiler and plumbing replacement	\$ 120,000
87	Building Envelope	NCROC - Small Equipment Storage	Structural repairs and roof replacement	\$ 150,000
88	Building Envelope	NCROC - Small Equipment Storage	Structural repairs and roof - design	\$ 35,000
89	Life Safety / Code	NWROC - Ag Research Center	Fire life safety and accessibility improvements	\$ 498,193
90	Life Safety / Code	NWROC - Ag Research Center	Critical infrastructure renewal	\$ 50,000
91	Building Envelope	NWROC - Ag Research Center	Exterior door replacements	\$ 50,000
92	Utility Infrastructure	NWROC - Campus	Sanitary sewer system repair	\$ 80,000
93	Utility Infrastructure	NWROC - Campus	Lighting upgrades for energy efficiency	\$ 45,000
94	Mechanical	NWROC - Greenhouse	Controls system replacement	\$ 50,000
95	Mechanical	SROC - Annex	HVAC system replacement	\$ 300,000
96	Mechanical	SROC - Campus	LED lighting	\$ 150,000
97	Building Envelope	SROC - Feed Processing Building	Roof replacement	\$ 100,000
98	Mechanical	SROC - Horticulture Bldg.	HVAC and door replacement	\$ 75,000
99	Building Envelope	SROC - Main Office	Roof and stucco replacement	\$ 200,000
100	Mechanical	SROC - Nematology	HVAC and plumbing system replacement	\$ 200,000
101	Mechanical	SROC - Shop Building	Ventilation and lighting replacement	\$ 140,000
102	Mechanical	SROC - Soils and Agronomy	Infrastructure upgrades	\$ 50,000
103	Building Envelope	SROC - Sow/Boar Unit	Roof and structural members repair	\$ 125,000
104	Building Envelope	SROC - Steer Barn	Envelope renewal	\$ 200,000
105	Mechanical	SROC - Swine Isolation Bldg. (Hog 1)	Electrical, plumbing and envelope renewal	\$ 150,000
106	Mechanical	SROC - Swine Metabolic Bldg. (Hog 2)	Electrical, plumbing and envelope renewal	\$ 150,000
107	Life Safety / Code	SWROC - Campus	Fire alarm system installation	\$ 125,000
108	Life Safety / Code	SWROC - Continuing Ed Building	Fire alarm system installation	\$ 100,000
109	Building Envelope	SWROC - Quonset Machine Shed	Roof replacement	\$ 250,000
110	Life Safety / Code	SWROC - Research Office Building	Fire alarm system installation	\$ 75,000
111	Life Safety / Code	SWROC - Research Office Building	Accessibility upgrades	\$ 50,000
112	Life Safety / Code	SWROC - Shop Building	Fire alarm system installation	\$ 100,000
113	Building Envelope	WCROC - Building 017 and 018	Roof and siding replacement	\$ 75,000
114	Life Safety / Code	WCROC - Farrowing Barn	Code and Infrastructure Improvements	\$ 151,597
115	Building Envelope	WCROC - Feed Mill	Water infiltration repairs	\$ 50,000
116	Building Envelope	WCROC - Greenhouse	Glass replacement	\$ 15,000
117	Life Safety / Code	WCROC - Hay Storage	Structural post replacement	\$ 20,000
118	Mechanical	WCROC - Maintenance Shop	Infrastructure renewal	\$ 800,000
119	Mechanical	WCROC - Maintenance Shop	Building infrastructure renewal	\$ 100,000
120	Life Safety / Code	WCROC - Swine Nursery	Steel wall replacement	\$ 90,000
121	Building Envelope	WCROC - Visiting Scholar Housing	Capital renewal	\$ 125,000
				\$ 10,346,130

TWIN CITIES CAMPUS

122	Life Safety / Code	1425 University Ave	Fire sprinkler extension	\$ 500,000
123	Building Envelope	717 Delaware	North wall water infiltration repair	\$ 1,500,000
124	Mechanical	717 Delaware	Secondary switchgear replacement	\$ 1,500,000
125	Life Safety / Code	Amundson Hall	Elevator modernization	\$ 525,000

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126	Mechanical	Andersen Library	HVAC renewal	\$ 4,600,000
127	Building Envelope	Andersen Library	Exterior envelope repairs	\$ 2,500,000
128	Building Envelope	Animal Sciences / Vet Med	Window replacement	\$ 2,700,000
129	Life Safety / Code	Appleby Hall	Elevator modernization	\$ 700,000
130	Life Safety / Code	Appleby Hall	Fire alarm and sprinkler upgrade	\$ 500,000
131	Building Envelope	Barker Dance	Exterior envelope renewal (construct)	\$ 2,200,000
132	Building Envelope	Barker Dance	Exterior envelope renewal (design)	\$ 220,000
133	Building Envelope	Biological Sciences	Window replacement, tuckpointing and screens	\$ 3,052,000
134	Mechanical	Biological Sciences	HVAC centralized manifold exhaust	\$ 1,400,000
135	Mechanical	Biosystems and Ag Engineering	Capital Renewal	\$ 15,000,000
136	Building Envelope	Blegen Hall	Window replacement and tuckpointing	\$ 1,900,000
137	Life Safety / Code	Borlaug Hall	Elevator modernization	\$ 1,100,000
138	Life Safety / Code	Borlaug Hall	Accessible restroom upgrade	\$ 150,000
139	Life Safety / Code	Burton Hall	Exterior renewal - portico entry	\$ 1,500,000
140	Life Safety / Code	Burton Hall	Fire alarm and sprinkler upgrade	\$ 1,000,000
141	Life Safety / Code	Burton Hall	Elevator modernization	\$ 500,000
142	Life Safety / Code	Children's Rehab	Elevator modernization	\$ 1,240,000
143	Building Envelope	Civil Engineering	Concrete waterproofing and replacement	\$ 2,000,000
144	Life Safety / Code	Coffey Hall	Elevator modernization	\$ 500,000
145	Mechanical	Cooke Hall	Heat recovery unit replacement	\$ 1,325,000
146	Mechanical	Cooke Hall	Water heater replacement	\$ 250,000
147	Life Safety / Code	Cooke Hall	Code and infrastructure improvements (design)	\$ 100,000
148	Life Safety / Code	Cooke Hall	Accessible restroom upgrade	\$ 100,000
149	Building Envelope	Ctr for Magnetic Resonance Res.	Roof replacement; original sections	\$ 850,000
150	Building Envelope	Donhowe Building	Building envelope / tuckpointing	\$ 550,000
151	Building Envelope	Ecology Building	Water infiltration	\$ 1,655,000
152	Life Safety / Code	Elliott Hall	Fire sprinkler installation	\$ 2,500,000
153	Building Envelope	Elliott Hall	Roof replacement	\$ 1,600,000
154	Building Envelope	Elliott Hall	Brick façade repair	\$ 1,000,000
155	Utility Infrastructure	Elliott Hall	Chilled water connection	\$ 500,000
156	Building Envelope	Engineering and Fisheries	Roof replacement	\$ 1,500,000
157	Life Safety / Code	Ferguson Hall	Fire sprinkler extension and renewal	\$ 3,000,000
158	Building Envelope	Ferguson Hall	Roof replacement	\$ 2,205,000
159	Life Safety / Code	Ferguson Hall	Elevator renewal	\$ 650,000
160	Life Safety / Code	Fieldhouse	Accessible restroom upgrade	\$ 600,000
161	Mechanical	Food Science & Nutrition	Capital renewal	\$ 20,000,000
162	Building Envelope	Green Hall	Window replacement and tuckpointing	\$ 2,500,000
163	Building Envelope	Heller Hall	Window replacement and tuckpointing	\$ 5,750,000
164	Life Safety / Code	Heller Hall	Elevator modernization	\$ 1,600,000
165	Mechanical	Horizontal Recovery Well	Plumbing and flooring replacement	\$ 250,000
166	Life Safety / Code	Humphrey	Elevator renewal	\$ 650,000
167	Life Safety / Code	Johnston Hall	Fire sprinkler and alarm upgrades	\$ 300,000
168	Mechanical	Kaufert Lab	Environmental room renewal	\$ 100,000
169	Mechanical	KE Dwan	HVAC Controls	\$ 1,700,000
170	Life Safety / Code	KE Dwan	Fire alarm replacement	\$ 1,200,000

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171	Mechanical	Kolthoff Hall	Secondary electrical room code improvements	\$ 2,500,000
172	Building Envelope	Kolthoff Hall	Roof replacement	\$ 1,700,000
173	Mechanical	Learning and Environmental Sci	HVAC and code improvements	\$ 1,800,000
174	Building Envelope	Magrath Library	Window and skylight replacement	\$ 750,000
175	Building Envelope	McNeal Hall	Window replacement	\$ 4,050,000
176	Life Safety / Code	McNeal Hall	Safety improvements at loading dock	\$ 1,000,000
177	Building Envelope	McNeal Hall	Roof and curtainwall replacement	\$ 390,000
178	Building Envelope	Molecular Cellular Biology (MCB)	Expansion joint and plaza waterproofing	\$ 2,500,000
179	Mechanical	Molecular Cellular Biology (MCB)	Valves and controls replacement	\$ 1,000,000
180	Life Safety / Code	Mondale Hall	Fire sprinkler renewal	\$ 1,500,000
181	Building Envelope	Mondale Hall	Roof replacement and skylights	\$ 925,000
182	Life Safety / Code	Mondale Hall	Accessible restroom upgrade (Library)	\$ 150,000
183	Mechanical	Moos Tower	Electrical substation and distribution renewal	\$ 16,000,000
184	Mechanical	Moos Tower	HVAC renewal	\$ 12,500,000
185	Mechanical	Moos Tower	Plumbing riser replacement	\$ 11,850,000
186	Mechanical	Moos Tower	Vertical ductwork replacement	\$ 8,000,000
187	Life Safety / Code	Moos Tower	Fire alarm and smoke dampers	\$ 7,500,000
188	Mechanical	Moos Tower	Aluminum busway replacement	\$ 7,250,000
189	Life Safety / Code	Moos Tower	Stair pressurization system	\$ 7,000,000
190	Mechanical	Moos Tower	Generator and distribution replacement	\$ 4,875,000
191	Building Envelope	Moos Tower	North plaza water infiltration	\$ 2,500,000
192	Mechanical	Moos Tower	High-voltage switchgear renewal	\$ 2,000,000
193	Mechanical	Moos Tower	Heat exchanger renewal	\$ 200,000
194	Life Safety / Code	Moos Tower	Fire life safety (design)	\$ 150,000
195	Life Safety / Code	Moos Tower	Power door operator additions	\$ 150,000
196	Mechanical	MPLS Utilities - Electrical	E-Generator loadbank connections	\$ 200,000
197	Utility Infrastructure	MPLS Utilities - Steam	Repair cracking roof; deep tunnel intersect	\$ 500,000
198	Utility Infrastructure	MPLS Utilities - Water	Manhole rebuild	\$ 500,000
199	Utility Infrastructure	MPLS Utilities- Chilled Water	Chilled water connection to 717 Delaware	\$ 500,000
200	Building Envelope	Nils Hasselmo Hall	Roof replacement	\$ 3,000,000
201	Utility Infrastructure	NMR Center	Secondary switchgear replacement	\$ 2,500,000
202	Building Envelope	Nolte Center	Roof replacement	\$ 850,000
203	Building Envelope	Pattee Hall	Exterior envelope stabilization	\$ 5,500,000
204	Building Envelope	Pattee Hall	Roof replacement	\$ 1,000,000
205	Mechanical	Phillips Wangenstein Bldg (PWB)	HVAC renewal	\$ 12,500,000
206	Mechanical	Phillips Wangenstein Bldg (PWB)	Medium-voltage power station replacement	\$ 11,750,000
207	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Fire smoke dampers	\$ 7,000,000
208	Mechanical	Phillips Wangenstein Bldg (PWB)	Fire Pump and generator replacement	\$ 6,750,000
209	Mechanical	Phillips Wangenstein Bldg (PWB)	Pressure reducing station replacement	\$ 4,750,000
210	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Elevator modernization	\$ 3,250,000
211	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Stair pressurization system	\$ 2,750,000
212	Mechanical	Phillips Wangenstein Bldg (PWB)	Storm water drain system replacement	\$ 2,250,000
213	Mechanical	Phillips Wangenstein Bldg (PWB)	Steam station replacement	\$ 1,200,000
214	Building Envelope	Phillips Wangenstein Bldg (PWB)	Precast panel joint sealant renewal	\$ 1,175,000
215	Life Safety / Code	Phillips Wangenstein Bldg (PWB)	Accessible restroom upgrade	\$ 450,000

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216	Mechanical	Phillips Wangenstein Bldg (PWB)	Cooling tower replacement	\$ 325,000
217	Mechanical	Plant Growth West	Emergency power alterations and replacement	\$ 600,000
218	Building Envelope	Rapson Hall	West areawell waterproofing	\$ 315,000
219	Building Envelope	Shevlin Hall	Exterior envelope upgrades	\$ 1,500,000
220	Life Safety / Code	Shevlin Hall	Fire sprinkler extension	\$ 500,000
221	Building Envelope	Shevlin Hall	Exterior envelope upgrades (design)	\$ 150,000
222	Building Envelope	Social Sciences	Window replacement and tuckpointing	\$ 7,500,000
223	Mechanical	St Paul Gym	Air Handling Unit replacement	\$ 1,750,000
224	Building Envelope	St Paul Gym	Roof replacement	\$ 1,000,000
225	Life Safety / Code	UMTC Campus Wide	Critical Infrastructure Renewal	\$ 12,404,187
226	Mechanical	UMTC Campus Wide	Infrastructure renewal for Smart Labs	\$ 10,000,000
227	Mechanical	University Office Plaza	Building control upgrades	\$ 125,000
228	Life Safety / Code	Vet Diagnostic Lab	Elevator modernization	\$ 550,000
229	Life Safety / Code	Vet Med Center South	Fire alarm and sprinkler installation	\$ 1,100,000
230	Life Safety / Code	Vet Med Center South	Elevator modernization	\$ 550,000
231	Building Envelope	Vincent Hall	Window replacement - punch windows	\$ 3,000,000
232	Building Envelope	Vincent Hall	Window replacement - storefront	\$ 2,000,000
233	Life Safety / Code	Vincent Hall	Fire sprinkler installation	\$ 1,500,000
234	Building Envelope	Washington Ave Ped Bridge	Restore pedestrian enclosure and railings	\$ 10,000,000
235	Building Envelope	West Bank District	West Bank Plaza waterproofing and repair	\$ 5,000,000
236	Building Envelope	West Bank District	Wilson Plaza waterproofing and repair	\$ 4,000,000
237	Building Envelope	West Bank District	Heller Hall Plaza waterproofing	\$ 3,000,000
238	Life Safety / Code	West Bank Office Building (WBOB)	Code improvements	\$ 500,000
239	Life Safety / Code	Wulling Hall	Fire sprinkler installation	\$ 500,000
240	Utility Infrastructure	Wulling Hall	Chilled water connection	\$ 300,000
				\$ 334,006,187
			TOTAL - ALL CAMPUSES	\$ 400,000,000