

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 Electric Distribution	Electric distribution infrastructure - PH 3	\$ 700,000
3	Utility Infrastructure	Campus Natural Gas Distribution	Natural gas distribution line replacement	\$ 1,384,472
4	Utility Infrastructure	Central Mall & North Quadrant	Watermain circulation improvements	\$ 250,000
5	Mechanical	Heating Plant	Domestic hot water heater replacement	\$ 85,000
6	Utility Infrastructure	Heating Plant	Utility line replacement	\$ 135,000
7	Life Safety / Code	Lysacker Gym	Gymnasium floor replacement	\$ 950,000
8	Building Envelope	Owen Hall	Exterior façade, window & door replacement	\$ 185,000
9	Life Safety / Code	Owen Hall	Fire suppression and code upgrades	\$ 125,000
				\$ 3,989,472
DULUTH CAMPUS				
10	Mechanical	Chemistry	Capital renewal	\$ 9,000,000
11	Mechanical	Humanities	Capital renewal	\$ 8,331,463
12	Life Safety / Code	Natural Resources Research Inst.	Elevator renewal	\$ 575,000
				\$ 17,906,463
MORRIS CAMPUS				
13	Life Safety / Code	Behmler Hall	Restroom upgrades	\$ 100,000
14	Building Envelope	Behmler Hall	Window replacement	\$ 825,000
15	Life Safety / Code	Blakely Hall	Accessibility upgrade (design)	\$ 40,000
16	Building Envelope	Blakely Hall	Masonry restoration	\$ 45,000
17	Mechanical	Briggs Library	HVAC control upgrades	\$ 100,000
18	Building Envelope	Humanities	Water infiltration	\$ 100,000
19	Life Safety / Code	Humanities Fine Arts	Handrail / guardrail code upgrade - PH II	\$ 150,000
20	Building Envelope	Humanities Fine Arts	Metal roof replacement	\$ 500,000
21	Mechanical	Morris Campus	Campuswide controls renewal - PH II	\$ 250,000
22	Utility Infrastructure	Morris Campus	Chilled water upgrade - Shutoffs	\$ 120,000
23	Utility Infrastructure	Morris Campus	Chiller control panel upgrade	\$ 100,000
24	Life Safety / Code	Morris Campus	Electronic door access	\$ 300,000
25	Utility Infrastructure	Morris Campus	Sewer replacement	\$ 45,000
26	Life Safety / Code	Multi-Ethnic Resource Center	Elevator installation	\$ 1,000,000
27	Life Safety / Code	Multi-Ethnic Resource Center	Fire alarm installation	\$ 70,000
28	Life Safety / Code	Multi-Ethnic Resource Center	Restroom upgrades	\$ 150,000
29	Life Safety / Code	Physical Education Center	Restroom upgrades	\$ 200,000
30	Life Safety / Code	Physical Education Center	Bleacher replacement	\$ 500,000
31	Mechanical	Physical Education Center	Ceiling and lighting renewal	\$ 350,000
32	Building Envelope	Saddle Club Barn	Masonry restoration	\$ 102,000
33	Building Envelope	Science Auditorium	Exterior wall and stair repair	\$ 60,000
34	Life Safety / Code	Science Auditorium	Restroom upgrades	\$ 200,000
35	Building Envelope	Seed House	Roof replacement	\$ 40,000
36	Building Envelope	Shops	Roof replacement	\$ 70,000
37	Life Safety / Code	Stadium	Water infiltration	\$ 100,000
38	Building Envelope	Student Center	Exterior envelope improvements	\$ 80,000
39	Building Envelope	Student Center	Roof replacement	\$ 100,000
40	Life Safety / Code	Student Center	Sprinkler replacement	\$ 230,906
				\$ 5,927,906
RESEARCH AND OUTREACH CENTERS AND FIELD STATIONS				
41	Life Safety / Code	Cedar Creek - Campus	Fire suppression system installation	\$ 180,000
42	Life Safety / Code	Cedar Creek - Campus	Septic and drain field renewal	\$ 18,000
43	Mechanical	Cedar Creek - Drying Barn	HVAC and insulation	\$ 27,000
44	Utility Infrastructure	Cedar Creek - Lawrence Lab	Emergency generator installation	\$ 24,500
45	Mechanical	Cedar Creek - Lindeman	Maintenance platforms for HVAC systems	\$ 10,500

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46	Utility Infrastructure	Cedar Creek - Lodging	Electrical upgrade	\$ 18,000
47	Building Envelope	Cedar Creek - Lodging	Envelope renewal	\$ 74,000
48	Life Safety / Code	Itasca - Lodging	Research cabin bathroom renewal	\$ 30,000
49	Building Envelope	Itasca - Lodging	Thermal pane windows and insulation	\$ 110,000
50	Building Envelope	Itasca - Lodging	Foundation rebuild for adaptive reuse	\$ 77,500
51	Mechanical	Itasca - Student Cabins	Geothermal installation	\$ 150,792
52	Life Safety / Code	Arboretum - Snyder	Accessible restroom upgrade	\$ 175,000
53	Mechanical	Arboretum - Snyder	Boiler system replacement	\$ 250,000
54	Utility Infrastructure	Cloquet - Campus	City water and sewer connection	\$ 769,907
55	Building Envelope	Cloquet - Campus	Roof replacements	\$ 30,000
56	Utility Infrastructure	Horticulture Research - Campus	City water and sewer connection	\$ 400,000
57	Life Safety / Code	Horticulture Research - Campus	Septic system renewal	\$ 75,000
58	Mechanical	Horticulture Research - Headhouse	HVAC and insulation renewal	\$ 50,000
59	Building Envelope	Horticulture Research - Lake Bldg	Roof replacement	\$ 10,000
60	Mechanical	Hubachek - Campus	Electrical distribution renewal	\$ 150,000
61	Mechanical	Hubachek - Lab Building	Infrastructure Updates	\$ 650,000
62	Building Envelope	NCROC - Cabins	Siding replacement	\$ 35,000
63	Mechanical	NCROC - Hog Barn	Rehab Beef Feed Mixing & Storage	\$ 225,000
64	Mechanical	NCROC - Hog Barn	Boiler and plumbing replacement	\$ 100,000
65	Building Envelope	NCROC - Small Equipment Storage	Structural repairs and roof replacement	\$ 35,000
66	Building Envelope	NWROC - Campus	Window replacement	\$ 90,000
67	Mechanical	SROC - AURI Bldg	HVAC system and fume hood replacement	\$ 300,000
68	Mechanical	SROC - Calf Bldg	HVAC air flow curtain installation	\$ 50,000
69	Mechanical	SROC - Horticulture Bldg	HVAC and door replacement	\$ 32,166
70	Mechanical	SROC - Nematology Bldg	HVAC and plumbing system replacement	\$ 125,000
71	Mechanical	SROC - Swine Bldg	HVAC and controls replacement	\$ 45,000
72	Mechanical	SROC - Swine Isolation Bldg (Hog 1)	Electrical, plumbing and envelope renewal	\$ 71,200
73	Mechanical	SROC - Swine Metabolic Bldg (Hog 2)	Electrical, plumbing and envelope renewal	\$ 74,500
74	Building Envelope	SWROC - Quonset Machine Shed	Roof recoating	\$ 45,000
75	Mechanical	SWROC - Soil Grinding Bldg	HVAC, electrical, windows and roof replacement	\$ 250,000
76	Building Envelope	WCROC - Feed Mill	Water infiltration	\$ 40,000
77	Building Envelope	WCROC - Guest House	Roof and siding replacement	\$ 75,000
78	Life Safety / Code	WCROC - Maintenance Shop	Code and Infrastructure Improvements	\$ 300,000
				\$ 5,173,065

TWIN CITIES CAMPUS

79	Life Safety / Code	Amundson Hall	Elevator renewal	\$ 525,000
80	Building Envelope	Anderson Hall	Roof replacement	\$ 785,000
81	Life Safety / Code	Animal Sci / Vet Med	Accessible restroom upgrade	\$ 150,000
82	Building Envelope	Animal Sci / Vet Med	Skylight replacement	\$ 315,000
83	Building Envelope	Animal Sci / Vet Med	Roof replacement	\$ 500,000
84	Building Envelope	Animal Sci / Vet Med	Window replacement	\$ 2,700,000
85	Building Envelope	Appleby Hall	Roof replacement	\$ 650,000
86	Life Safety / Code	Appleby Hall	Elevator renewal	\$ 700,000
87	Building Envelope	Biological Sciences	Window replacement, tuckpointing and screens	\$ 1,837,000
88	Building Envelope	Biosystems & Ag Eng (BAE)	Roof replacement	\$ 1,300,000
89	Life Safety / Code	Borlaug Hall	Accessible restroom upgrade	\$ 150,000
90	Life Safety / Code	Burton Hall	Fire alarm / sprinkler upgrade	\$ 300,000
91	Life Safety / Code	Burton Hall	Exterior renewal - portico entry	\$ 1,300,000
92	Building Envelope	Carlson School of Mgmt (CSOM)	Roof replacement	\$ 1,230,000
93	Building Envelope	Children's Rehab	Roof replacement	\$ 1,200,000
94	Life Safety / Code	Children's Rehab	Elevator renewal	\$ 1,240,000
95	Life Safety / Code	Cooke Hall	Code and infrastructure improvements (design)	\$ 100,000

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96	Building Envelope	Donhowe Building	Building envelope / tuckpointing	\$ 550,000
97	Building Envelope	Ecology Building	Water infiltration	\$ 1,250,000
98	Building Envelope	Ferguson Hall	Roof replacement	\$ 870,000
99	Life Safety / Code	Ferguson Hall	Fire sprinkler extension and renewal	\$ 3,000,000
100	Mechanical	FM Building	Chiller replacement	\$ 225,000
101	Mechanical	Food Science & Nutrition	Capital renewal	\$ 15,000,000
102	Building Envelope	Green Hall	Tuckpoint and repair/replace windows	\$ 2,500,000
103	Building Envelope	Haeker Hall	Roof replacement	\$ 1,750,000
104	Life Safety / Code	Heller Hall	Elevator renewal	\$ 1,600,000
105	Building Envelope	Heller Hall	Window replacement and tuckpointing	\$ 5,750,000
106	Life Safety / Code	Johnston Hall	Fire sprinkler and alarm upgrades	\$ 500,000
107	Mechanical	Kaufert Lab	Environmental room renewal	\$ 100,000
108	Life Safety / Code	KE Dwan	Elevator renewal	\$ 1,170,000
109	Life Safety / Code	KE Dwan	Fire alarm replacement	\$ 1,200,000
110	Mechanical	KE Dwan	HVAC Controls	\$ 1,700,000
111	Building Envelope	Learning & Environ Sci (LES)	Repair exterior plaza and foundation wall	\$ 150,000
112	Building Envelope	Learning & Environ Sci (LES)	Repair stairwell and roof leak	\$ 200,000
113	Life Safety / Code	Learning & Environ Sci (LES)	HVAC and code improvements	\$ 1,800,000
114	Mechanical	Lind Hall	HVAC, lighting and fire sprinkler improvements	\$ 5,000,000
115	Building Envelope	Magrath Library	Foundation wall waterproofing	\$ 115,000
116	Building Envelope	Magrath Library	Window and skylight replacement - PH II	\$ 210,000
117	Building Envelope	Magrath Library	Window and skylight replacement - PH I	\$ 275,000
118	Building Envelope	McNeal Hall	Roof and curtainwall replacement	\$ 320,000
119	Life Safety / Code	McNeal Hall	Loading dock safety improvements	\$ 1,000,000
120	Mechanical	Mechanical Engineering	Capital Renewal - Phase III	\$ 13,300,000
121	Building Envelope	Molecular Cellular Biology (MCB)	Expansion joint and plaza waterproofing	\$ 2,500,000
122	Life Safety / Code	Mondale Hall	Accessible restroom upgrade (Library)	\$ 150,000
123	Building Envelope	Mondale Hall	Roof replacement and skylights	\$ 925,000
124	Life Safety / Code	Mondale Hall	Fire sprinkler renewal	\$ 1,500,000
125	Utility Infrastructure	Moos Tower	Emergency generator radiator replacement	\$ 115,000
126	Life Safety / Code	Moos Tower	Power door operator additions	\$ 150,000
127	Life Safety / Code	Moos Tower	Fire suppression (design)	\$ 150,000
128	Mechanical	Moos Tower	Heat exchanger renewal	\$ 200,000
129	Life Safety / Code	Moos Tower	Asbestos abatement	\$ 1,250,000
130	Building Envelope	Moos Tower	North plaza water infiltration	\$ 2,500,000
131	Life Safety / Code	Moos Tower	Fire life safety improvements	\$ 4,500,000
132	Mechanical	Moos Tower	HVAC renewal	\$ 4,500,000
133	Utility Infrastructure	MPLS Utilities - Electrical	Overhead power line relocation	\$ 100,000
134	Utility Infrastructure	MPLS Utilities - Steam	Steam interconnection (MTRF to CMRR)	\$ 100,000
135	Utility Infrastructure	MPLS Utilities - Steam	Repair cracking roof; deep tunnel intersect	\$ 500,000
136	Utility Infrastructure	MPLS Utilities - Steam	Structural repairs; deep tunnel intersect	\$ 500,000
137	Utility Infrastructure	MPLS Utilities - Steam	Water infiltration; deep tunnel intersect	\$ 500,000
138	Utility Infrastructure	MPLS Utilities- Chilled Water	Cooling tower renewal - PH 2 (Moos)	\$ 250,000
139	Utility Infrastructure	MPLS Utilities- Chilled Water	Chilled water connection to MLAC	\$ 300,000
140	Utility Infrastructure	MPLS Utilities- Chilled Water	Rarig, Ferguson, Ted Mann chilled water connection	\$ 1,500,000
141	Utility Infrastructure	MPLS Utilities- Storm Water	Stormwater deep tunnel repair	\$ 500,000
142	Mechanical	Nils Hasselmo Hall	Heat exchanger renewal	\$ 350,000
143	Life Safety / Code	Nils Hasselmo Hall	Fire alarm panel and device replacement	\$ 1,080,156
144	Building Envelope	Nils Hasselmo Hall	Roof replacement	\$ 2,500,000
145	Building Envelope	Pattee Hall	Roof replacement	\$ 500,000
146	Building Envelope	Pattee Hall	Exterior envelope stabilization	\$ 2,000,000
147	Building Envelope	Peik Hall	Roof replacement	\$ 1,500,000

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148	Mechanical	Phillips Wangensteen Bldg (PWB)	Lighting retrofits	\$ 300,000
149	Mechanical	Phillips Wangensteen Bldg (PWB)	Cooling tower replacement	\$ 325,000
150	Life Safety / Code	Phillips Wangensteen Bldg (PWB)	Accessible restroom upgrade	\$ 450,000
151	Building Envelope	Phillips Wangensteen Bldg (PWB)	Precast panel joint sealant renewal	\$ 1,175,000
152	Mechanical	Phillips Wangensteen Bldg (PWB)	Electric fire pump replacement	\$ 1,175,750
153	Mechanical	Phillips Wangensteen Bldg (PWB)	Steam station replacement	\$ 1,200,000
154	Mechanical	Phillips Wangensteen Bldg (PWB)	Storm water drain system replacement	\$ 2,270,000
155	Life Safety / Code	Phillips Wangensteen Bldg (PWB)	Stair pressurization system	\$ 2,750,000
156	Life Safety / Code	Phillips Wangensteen Bldg (PWB)	Elevator renewal	\$ 3,250,000
157	Life Safety / Code	Phillips Wangensteen Bldg (PWB)	Fire life safety improvements	\$ 7,000,000
158	Building Envelope	Rapson Hall	West areawell waterproofing	\$ 315,000
159	Life Safety / Code	Rarig	Accessible restroom upgrade	\$ 150,000
160	Utility Infrastructure	Ruttan Hall	Generator replacement	\$ 75,000
161	Building Envelope	Shevlin Hall	Exterior envelope upgrades (design)	\$ 115,188
162	Building Envelope	Shevlin Hall	Exterior envelope upgrades	\$ 1,200,000
163	Mechanical	Social Sciences	Sanitary sewer line repair	\$ 300,000
164	Building Envelope	Social Sciences	Window replacement and tuckpointing	\$ 5,750,000
165	Building Envelope	Ted Mann	Roof replacement	\$ 525,000
166	Utility Infrastructure	UMTC Campus Wide	Infrastructure renewal for Smart Labs	\$ 2,500,000
167	Mechanical	University Office Plaza	Building control upgrades	\$ 125,000
168	Building Envelope	Variety Club Research Clinic (VCRC)	Roof replacement	\$ 460,000
169	Life Safety / Code	Variety Club Research Clinic (VCRC)	Elevator renewal	\$ 1,275,000
170	Life Safety / Code	Vet Diagnostics Lab	Elevator renewal	\$ 550,000
171	Life Safety / Code	Vet Med Center South	Elevator renewal	\$ 530,000
172	Life Safety / Code	Vet Med Center South	Fire alarm and sprinkler installation	\$ 950,000
173	Life Safety / Code	Vincent Hall	Fire sprinkler installation	\$ 1,500,000
174	Building Envelope	Vincent Hall	Window replacement - storefront	\$ 2,000,000
175	Building Envelope	Vincent Hall	Window replacement - punch windows	\$ 3,000,000
176	Building Envelope	Wash Ave Ped Bridge	Restore pedestrian enclosure and railings	\$ 9,000,000
177	Life Safety / Code	West Bank District	ADA accessible route to Upper Plaza	\$ 150,000
178	Building Envelope	West Bank District	CSOM Plaza waterproofing and repair	\$ 3,500,000
179	Building Envelope	West Bank District	West Bank Plaza waterproofing and repair	\$ 5,000,000
180	Life Safety / Code	West Bank Office Building (WBOB)	Code upgrades	\$ 500,000
181	Mechanical	West Bank Office Building (WBOB)	HVAC infrastructure renewal	\$ 2,500,000
				\$ 167,003,094
TOTAL - ALL CAMPUSES				\$ 200,000,000