

Recommended Detroit Metropolitan Airport Capital Improvement Plan - Fiscal Years 2022 - 2026

Item No.	Project Description	Estimated Total Project Cost	Projected Expenses to 12/31/21	Memo: Total 5 Year CIP Expenditures \$ 942,827,000					FY 2027 to Completion
				FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
Airfield									
1	Taxiway Z Reconstruction & Relocation of Southern Portion & including Jug Handle	\$ 19,000,000	\$ -	\$ -	\$ 400,000	\$ 1,600,000	\$ 17,000,000	\$ -	\$ -
2	Taxiway Y Reconstruction	78,437,000	3,037,000	44,000,000	31,400,000	-	-	-	-
3	Taxiway K Reconstruction	83,175,000	190,000	-	3,185,000	25,300,000	54,500,000	-	-
4	Taxiway Z, Taxiway K & Other AOA Pavement Repairs	25,000,000	4,500,000	8,500,000	4,000,000	4,000,000	4,000,000	-	-
5	AOA Service Road Pavment Repairs	3,000,000	-	-	1,000,000	1,000,000	1,000,000	-	-
6	McNamara Terminal Apron Rehabilitation - Phase 1: Gates A1 thru A35 and Taxilanes J7 & J8	47,000,000	35,500,000	11,500,000	-	-	-	-	-
7	McNamara Terminal Apron Rehabilitation - Phase 2: Gates B1 thru B21, C1 thru C27 and A74 thru A78	54,500,000	-	3,500,000	51,000,000	-	-	-	-
8	McNamara Terminal Apron Rehabilitation - Phase 3: Taxilane U9 West of Gates A4 thru A60	57,100,000	-	1,500,000	3,100,000	52,500,000	-	-	-
9	McNamara Terminal Apron Rehabilitation - Phase 4: Gates C2 thru C22 & B2 thru B20 and Runway 4R De-ice Pad	76,000,000	-	-	-	6,000,000	35,000,000	35,000,000	-
10	McNamara Terminal Apron Rehabilitation - Phase 5: Concourse A - Gates A43 thru A75, Taxilanes U7 & U8 and portions of Taxiway F and Taxiway U	64,200,000	-	-	-	-	1,500,000	3,000,000	59,700,000
11	Runway 9R/27L Mill & Overlay	15,000,000	-	-	1,000,000	14,000,000	-	-	-
12	North Terminal Apron Expansion/RON Parking and Apron West of Delta Hangars	9,150,000	-	-	-	-	110,000	9,040,000	-
13	Hangar 516 & 518 Apron Reconstruction	2,250,000	-	-	-	-	-	2,250,000	-
14	3L De-ice Pad Reconstruction & Expansion	50,000,000	-	-	-	-	5,000,000	45,000,000	-
15	Building 715 Aircraft Apron Reconstruction	5,000,000	-	-	-	-	5,000,000	-	-
16	Fuel Truck AOA Service Road	3,500,000	-	-	500,000	3,000,000	-	-	-
	Airfield Sub-Total	592,312,000	43,227,000	69,000,000	95,585,000	107,400,000	123,110,000	94,290,000	59,700,000
Power Plants & Electrical Distribution System									
17	Medium Voltage Transmission Lines for Primary Service to the North Campus & Airfield - Phase 1	16,500,000	9,000,000	7,500,000	-	-	-	-	-
18	Medium Voltage Transmission Lines for Primary Service to the North Campus & Airfield - Phase 2 Generator Upgrade and Powerhouse Switchgear	4,000,000	-	400,000	3,600,000	-	-	-	-
19	North Campus Electrical Distribution Loops 1, 2 & 3	22,700,000	12,900,000	2,300,000	7,500,000	-	-	-	-
20	South Power Plant Site Generators	10,000,000	-	-	-	500,000	9,500,000	-	-
21	Medium Voltage Conversion - Direct Feed from Powerhouse	3,300,000	-	300,000	3,000,000	-	-	-	-
	Power Plants & Electrical Distribution System Sub-Total	56,500,000	21,900,000	10,500,000	14,100,000	500,000	9,500,000	-	-

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Parking & Ground Transportation Facilities									
22	Big Blue Parking Deck Concrete Floor Repairs, Guardrails & Waterproofing (AMP)	8,750,000	150,000	3,000,000	1,250,000	4,350,000	-	-	-
23	Big Blue Parking Deck Conveyance Modernizations	10,500,000	-	-	-	250,000	3,750,000	4,000,000	2,500,000
24	North Terminal GTC - Third Elevator & Escalator	1,750,000	-	-	-	150,000	1,600,000	-	-
25	McNamara Parking Deck Elastomeric Coating	12,100,000	2,800,000	5,050,000	4,250,000	-	-	-	-
26	McNamara Parking Deck Concrete Wall Restoration	37,000,000	2,000,000	-	-	500,000	3,000,000	4,000,000	27,500,000
27	Parking Lots Rehabilitation - North Power Plant, ARFF Station 200 and WCAA Employee Lot	2,750,000	1,950,000	800,000	-	-	-	-	-
28	Parking Guidance System	6,000,000	-	-	-	3,000,000	3,000,000	-	-
29	McNamara Parking Deck Rehabilitation - Interior Rehabilitation & Drain Piping Replacement (AMP)	9,600,000	-	1,000,000	2,900,000	2,900,000	2,800,000	-	-
30	McNamara Parking Deck Rehabilitation - Interior Rehabilitation - GTC & Stair Curtain Wall Repairs (AMP)	6,100,000	-	-	-	-	600,000	5,500,000	-
31	McNamara Parking Deck - 7th Floor Parking	1,200,000	-	-	-	-	1,200,000	-	-
32	McNamara Parking Deck Moving Walkway Removal	2,250,000	-	2,250,000	-	-	-	-	-
Parking & Ground Transportation Facilities Sub-Total		98,000,000	6,900,000	12,100,000	8,400,000	11,150,000	15,950,000	13,500,000	30,000,000
Bridges & Roadways									
33	Bridges & Roadways Rehabilitation Program: NB Dingell Drive - North Tunnel to Rogell Drive	4,400,000	300,000	4,100,000	-	-	-	-	-
34	Bridges & Roadways Rehabilitation Program: Rogell HMA - East Service Drive - SB Dingell Drive - Rogell Drive to North Tunnel	5,000,000	-	-	-	-	500,000	4,500,000	-
35	Bridges & Roadways Rehabilitation Program: Dingell Drive - McNamara Terminal to Middle Tunnel - both NB & SB	12,700,000	-	1,100,000	5,700,000	5,900,000	-	-	-
36	Tunnel Rehabilitation Program - South Tunnel	31,000,000	800,000	5,200,000	12,500,000	12,500,000	-	-	-
37	Tunnel Rehabilitation Program - North Tunnel & Middle Tunnel	28,700,000	-	200,000	12,500,000	16,000,000	-	-	-
38	Rogell Drive - Dingell Drive Connector	7,500,000	-	-	-	-	-	7,500,000	-
Bridges & Roadways Sub-Total		89,300,000	1,100,000	10,600,000	30,700,000	34,400,000	500,000	12,000,000	-
Security & Communications									
39	Security Gate 103 Relocation - Dingell Drive Service Road	1,200,000	-	-	-	-	1,200,000	-	-
40	Security System & Network Upgrades - Phases 2 through 5	20,020,000	8,170,000	4,520,000	3,830,000	3,500,000	-	-	-
Security & Communications Sub-Total		21,220,000	8,170,000	4,520,000	3,830,000	3,500,000	1,200,000	-	-

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Support Facilities									
41	Roof Replacement Plan	3,699,000	374,000	3,325,000	-	-	-	-	-
42	Fire Training Facility Restoration & Burn Pit Replacement	13,500,000	200,000	-	-	-	13,300,000	-	-
43	ARFF Station 100 Improvements	1,200,000	250,000	-	950,000	-	-	-	-
44	Snow Removal Equipment Storage & Maintenance Facilities	8,000,000	-	-	300,000	7,700,000	-	-	-
45	Ice Control Materials Storage Tanks	3,000,000	200,000	-	200,000	2,600,000	-	-	-
	Support Facilities Sub-Total	29,399,000	1,024,000	3,325,000	1,450,000	10,300,000	13,300,000	-	-
Site Redevelopment & Demolitions									
46	Buildings 714, 714A & 714B (Former Metro Flight Buildings)	2,000,000	160,000	-	-	400,000	1,440,000	-	-
	Site Redevelopment & Demolitions Sub-Total	2,000,000	160,000	-	-	400,000	1,440,000	-	-
Terminals									
47	North Terminal - Pre-Conditioned Air Unit Replacement	3,800,000	150,000	3,650,000	-	-	-	-	-
48	North Terminal - Ground Power Unit Replacement	1,850,000	-	1,850,000	-	-	-	-	-
49	North Terminal - Baggage Handling System Controls	3,300,000	-	3,300,000	-	-	-	-	-
50	North Terminal - Fire Alarm Systems Improvement	3,725,000	-	225,000	3,500,000	-	-	-	-
51	North Terminal - Terminal Refresh	30,420,000	-	420,000	15,000,000	-	15,000,000	-	-
52	McNamara Terminal, North Terminal and Hotel Roof Life Cycle Enhancements	3,000,000	100,000	400,000	1,200,000	1,300,000	-	-	-
53	McNamara Terminal - Security Camera Upgrades	7,000,000	-	1,000,000	6,000,000	-	-	-	-
54	McNamara Terminal - Terrazzo Replacement	3,500,000	-	-	1,500,000	1,000,000	1,000,000	-	-
55	McNamara Terminal - Jet Bridge Replacement	30,000,000	-	-	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000
56	McNamara Terminal - Roll-up Doors (Below Wing) Replacement	4,000,000	-	4,000,000	-	-	-	-	-
57	McNamara Terminal - Ramp Information Display System (RIDS) Replacement	1,300,000	-	-	1,300,000	-	-	-	-
58	McNamara Terminal - Bathroom Renovations (Above Wing)	12,000,000	-	500,000	4,000,000	4,000,000	3,500,000	-	-
59	McNamara Terminal - Bathroom Renovations (Below Wing)	6,000,000	-	-	-	500,000	2,000,000	2,000,000	1,500,000
60	McNamara Terminal - Holdroom Carpet Replacement	1,300,000	-	-	1,300,000	-	-	-	-
61	McNamara Terminal - Fuel Island Rebuild (North & South)	700,000	-	-	700,000	-	-	-	-

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62	McNamara Terminal - Passenger Tunnel Refurbishment	3,000,000	-	-	-	3,000,000	-	-	-
63	McNamara Terminal - Sliding Doors - Front of House/Vestibule Upgrade	2,800,000	-	-	2,800,000	-	-	-	-
64	McNamara Terminal - Domestic Baggage Handling System Claim Units Rehabilitation	11,000,000	-	-	3,000,000	3,000,000	3,000,000	2,000,000	-
65	McNamara Terminal - International Baggage Handling System Claim Units Rehabilitation	9,000,000	-	-	2,600,000	2,600,000	2,600,000	1,200,000	-
66	McNamara Terminal - Baggage Handling System Piers Rehabilitation	2,500,000	-	-	500,000	500,000	500,000	500,000	500,000
67	McNamara Terminal - Moving Walkways/Escalators Rehabilitation	20,000,000	-	-	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
68	McNamara Terminal - Elevator Re-Cladding/Door Operator Replacement	3,000,000	-	-	3,000,000	-	-	-	-
69	McNamara Terminal - Baggage Handling System OTA	10,000,000	-	5,000,000	5,000,000	-	-	-	-
70	Ground Service Equipment Electrification - Delta (VALE Grant)	28,832,000	-	1,000,000	9,278,000	9,277,000	9,277,000	-	-
	Terminals Sub-Total	202,027,000	250,000	21,345,000	70,678,000	35,177,000	46,877,000	15,700,000	12,000,000
Water, Sanitary & Stormwater Systems									
71	Primary Pump & Switchgear Replacements	3,500,000	-	1,500,000	2,000,000	-	-	-	-
72	Water Main Replacement - Phase 2	3,400,000	-	-	1,400,000	2,000,000	-	-	-
73	Stormwater Forcemain - Between Ponds	1,800,000	-	-	-	1,800,000	-	-	-
74	Stormwater Forcemain - Eastside Site	27,000,000	-	1,100,000	13,000,000	12,900,000	-	-	-
	Water, Sanitary & Stormwater Systems Sub-Total	35,700,000	-	2,600,000	16,400,000	16,700,000	-	-	-
Other Projects									
75	Noise Contour Map	800,000	-	-	800,000	-	-	-	-
	Other Projects Sub-Total	800,000	-	-	800,000	-	-	-	-
Total Detroit Metropolitan Airport FY 2022 - 2026 CIP		\$ 1,127,258,000	\$ 82,731,000	\$ 133,990,000	\$ 241,943,000	\$ 219,527,000	\$ 211,877,000	\$ 135,490,000	\$ 101,700,000

All project expenses are estimates