

Preliminary Detroit Metropolitan Airport Capital Improvement Plan - Fiscal Years 2021 - 2025

Item No.	Project Description	Estimated Total Project Cost	Projected Expenses to 12/31/20	Memo: Total 5 Year CIP Expenditures \$ 660,104,000					FY 2026 to Completion
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
<b>Airfield</b>									
1	Taxiway Z Reconstruction & Relocation of Southern Portion & Including Jug Handle	16,000,000	-				500,000	15,500,000	-
2	Taxiway Y Reconstruction	87,437,000	287,000	2,750,000	53,000,000	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	10,000,000	-	4,500,000	5,500,000				-
5	McNamara Terminal Apron Rehab - Phase 1: Gates A1 thru A35 and Taxilanes J7 & J8	56,000,000	-	56,000,000	-	-	-	-	-
6	McNamara Terminal Apron Tunnel Repair	30,000,000	-	3,000,000	-	27,000,000	-	-	-
7	McNamara Terminal Apron Rehab - Phase 2: Gates B1 thru B21, C1 thru C27 and A74 thru A78	55,000,000	-	-	4,000,000	51,000,000	-	-	-
8	McNamara Terminal Apron Rehab - Phase 3: Taxilane U9 west of Gates A4 thru A60	62,250,000	-	-	-	-	4,400,000	57,850,000	-
9	McNamara Terminal Apron Rehab - Phase 4: Gates C2 thru C22 & B2 thru B20 and Runway 4R De-ice Pad	76,000,000	-	-	-	-	-	6,000,000	70,000,000
10	Runway 9R/27L Mill & Overlay	15,000,000	-	-	-	1,000,000	14,000,000	-	-
11	North Terminal Apron Expansion/RON Parking and Apron West of Delta Hangars	9,150,000	-	-	-	-	-	110,000	9,040,000
12	Hangar 516 & 518 Apron Reconstruction	2,250,000	-	-	-	-	-	-	2,250,000
13	3L De-ice Pad Reconstruction & Expansion	50,000,000	-	-	-	-	-	5,000,000	45,000,000
14	Aircraft Apron - Building 715 (\$4M Grant Funding)	5,000,000	-	5,000,000	-	-	-	-	-
15	Fuel Truck AOA Service Road	3,500,000	-	-	-	3,500,000	-	-	-
	<b>Airfield Sub-Total</b>	<b>560,762,000</b>	<b>477,000</b>	<b>71,250,000</b>	<b>62,500,000</b>	<b>117,085,000</b>	<b>44,200,000</b>	<b>138,960,000</b>	<b>126,290,000</b>
<b>Power Plants &amp; Electrical Distribution System</b>									
16	Medium Voltage Transmission Lines for Primary Service to the North Campus & Airfield - Phase 1	16,500,000	-	11,000,000	5,500,000	-	-	-	-
17	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	-	-	-
18	North Campus Electrical Distribution Loops 1, 2 & 3	20,900,000	6,300,000	8,600,000	-	6,000,000	-	-	-
19	South Power Plant Site Generators	10,000,000	-	-	-	-	500,000	9,500,000	-
	<b>Power Plants &amp; Electrical Distribution System Sub-Total</b>	<b>51,400,000</b>	<b>6,300,000</b>	<b>19,600,000</b>	<b>5,900,000</b>	<b>9,600,000</b>	<b>500,000</b>	<b>9,500,000</b>	<b>-</b>
<b>Parking &amp; Ground Transportation Facilities</b>									
20	Big Blue Parking Deck Concrete Floor Repairs, Guardrails & Waterproofing	8,750,000	-	150,000	3,000,000	1,250,000	4,350,000	-	-
21	Big Blue Parking Deck Roof & Gutter Rehabilitation	4,250,000	-	4,250,000	-	-	-	-	-
22	Big Blue Parking Deck Steam Condensate Line Replacement	1,000,000	-	1,000,000	-	-	-	-	-
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	9,000,000	-	3,000,000	2,500,000	3,500,000	-	-	-
26	McNamara Parking Deck Concrete Wall Restoration	37,000,000	2,000,000	-	500,000	3,000,000	4,000,000	5,000,000	22,500,000
27	Parking Lots Rehabilitation - North Power Plant, ARFF #2 and WCAA Employee Lot	2,150,000	150,000	2,000,000	-	-	-	-	-
28	Parking Guidance System	12,000,000	-	-	-	6,000,000	6,000,000	-	-

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	<b>Parking &amp; Ground Transportation Facilities Sub-Total</b>	<b>86,400,000</b>	<b>2,150,000</b>	<b>10,400,000</b>	<b>6,000,000</b>	<b>14,000,000</b>	<b>18,250,000</b>	<b>10,600,000</b>	<b>25,000,000</b>
<b>Bridges &amp; Roadways</b>									
29	Bridges & Roadways Rehabilitation Program: NB Dingell Drive - North Tunnel to Rogell Drive	4,400,000	-	300,000	4,100,000	-	-	-	-
30	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	-	-	-
31	Bridges & Roadways Rehabilitation Program: Dingell Drive NB - McNamara Terminal to Middle Tunnel	5,700,000	-	-	-	-	5,700,000	-	-
32	Bridges & Roadways Rehabilitation Program: Dingell Drive SB Middle Tunnel to McNamara	5,900,000	-	-	-	-	-	5,900,000	-
33	Tunnel Rehabilitation Program - South Tunnel	8,800,000	-	1,000,000	5,000,000	2,800,000	-	-	-
34	Tunnel Rehabilitation Program - North Tunnel & Middle Tunnel	18,200,000	-	-	200,000	2,000,000	16,000,000	-	-
	<b>Bridges &amp; Roadways Sub-Total</b>	<b>48,000,000</b>	<b>-</b>	<b>1,300,000</b>	<b>9,800,000</b>	<b>9,300,000</b>	<b>21,700,000</b>	<b>5,900,000</b>	<b>-</b>
<b>Security &amp; Communications</b>									
35	Perimeter Security Fence Enhancements	1,650,000	75,000	1,575,000	-	-	-	-	-
36	Security Gate 103 Relocation - Dingell Drive Service Road	1,200,000	-	-	-	-	-	1,200,000	-
37	Security System & Network Upgrades - Phases 2 through 5	20,020,000	8,070,000	550,000	4,070,000	3,830,000	3,500,000	-	-
	<b>Security &amp; Communications Sub-Total</b>	<b>22,870,000</b>	<b>8,145,000</b>	<b>2,125,000</b>	<b>4,070,000</b>	<b>3,830,000</b>	<b>3,500,000</b>	<b>1,200,000</b>	<b>-</b>
<b>Support Facilities</b>									
38	Roof Replacement Plan	2,099,000	230,000	144,000	1,725,000	-	-	-	-
39	Fire Training Facility Restoration & Burn Pit Replacement	13,500,000	200,000	-	-	-	-	13,300,000	-
40	ARFF Station 100 Improvements	2,250,000	250,000	-	-	2,000,000	-	-	-
41	Snow Removal Equipment Storage Facility	8,000,000	-	-	-	-	8,000,000	-	-
42	Glycol Storage Tanks	3,000,000	200,000	-	-	-	2,800,000	-	-
	<b>Support Facilities Sub-Total</b>	<b>28,849,000</b>	<b>880,000</b>	<b>144,000</b>	<b>1,725,000</b>	<b>2,000,000</b>	<b>10,800,000</b>	<b>13,300,000</b>	<b>-</b>
<b>Site Redevelopment &amp; Demolitions</b>									
43	Buildings 714, 714A & 714B (Former Metro Flight Buildings) Site Redevelopment & Demolition	2,000,000	160,000	-	-	-	400,000	1,440,000	-
44	Building 358 (Former Police Station) Demolition	2,600,000	1,400,000	1,200,000	-	-	-	-	-
	<b>Site Redevelopment &amp; Demolitions Sub-Total</b>	<b>4,600,000</b>	<b>1,560,000</b>	<b>1,200,000</b>	<b>-</b>	<b>-</b>	<b>400,000</b>	<b>1,440,000</b>	<b>-</b>
<b>Terminals</b>									
45	McNamara Terminal Baggage Handling System Controls	42,000,000	37,850,000	4,150,000	-	-	-	-	-
46	North Terminal Pre-Conditioned Air Unit Replacement	3,100,000	-	1,023,000	2,077,000	-	-	-	-
47	North Terminal Ground Power Unit Replacement	1,850,000	-	610,500	1,239,500	-	-	-	-
48	North Terminal Baggage Handling System Controls	3,300,000	-	2,250,000	1,050,000	-	-	-	-
49	McNamara Terminal, North Terminal and Hotel Roof Life Cycle Enhancements	3,000,000	100,000	-	-	1,400,000	1,500,000	-	-

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50	North Terminal Fire Alarm Systems Improvement	3,725,000	-	-	-	225,000	3,500,000	-	-
	<b>Terminals Sub-Total</b>	<b>56,975,000</b>	<b>37,950,000</b>	<b>8,033,500</b>	<b>4,366,500</b>	<b>1,625,000</b>	<b>5,000,000</b>	<b>-</b>	<b>-</b>
<b>Water, Sanitary &amp; Stormwater Systems</b>									
51	Primary Pump & Switchgear Replacements	3,000,000	-	-	-	3,000,000	-	-	-
52	Water Main Replacement - Phase 2	3,400,000	-	-	-	1,400,000	2,000,000	-	-
53	Stormwater Forcemain Between Ponds	1,800,000	-	-	-	-	1,800,000	-	-
	<b>Water, Sanitary &amp; Stormwater Systems Sub-Total</b>	<b>8,200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,400,000</b>	<b>3,800,000</b>	<b>-</b>	<b>-</b>
<b>Other Projects</b>									
54	Noise Contour Map	800,000	-	-	-	800,000	-	-	-
	<b>Other Projects Sub-Total</b>	<b>800,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>800,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Detroit Metropolitan Airport FY 2021 - 2025 CIP</b>		<b>\$ 868,856,000</b>	<b>\$ 57,462,000</b>	<b>\$ 114,052,500</b>	<b>\$ 94,361,500</b>	<b>\$ 162,640,000</b>	<b>\$ 108,150,000</b>	<b>\$ 180,900,000</b>	<b>\$ 151,290,000</b>