

Preliminary Detroit Metropolitan Airport Capital Improvement Plan - Fiscal Years 2017 - 2021

Item No.	Project Description	Estimated Total Project Cost	Projected Expenses to 9/30/16	Memo: Total 5 Year CIP Expenditures \$ 684,912,000					FY 2022 to Completion
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Airfield									
1	Runway 3L/21R & Associated Taxiways Reconstruction	180,000,000	-	2,500,000	4,500,000	4,500,000	168,500,000	-	-
2	Runway 3L/21R Enhancements Planning	700,000	-	350,000	350,000	-	-	-	-
3	Taxiway H Extension/Reconstruction and 22L Deicing Pad Expansion	18,000,000	-	-	3,000,000	15,000,000	-	-	-
4	Taxiway Z - Reconstruction & Relocation of Southern Portion Including Extension of Taxiway Service Road	16,000,000	1,000,000	2,000,000	13,000,000	-	-	-	-
5	Taxiway M3, M4 and Western Portion of Taxiway P4 Removal	925,000	-	-	-	-	925,000	-	-
6	Taxiway Kilo (K) Reconstruction Program	54,000,000	-	6,000,000	26,000,000	22,000,000	-	-	-
7	Runway 21R Deicing Pad Reconstruction (Design only)	500,000	-	-	500,000	-	-	-	-
8	Airfield Pavement Rehabilitation/Reconstruction Plan	42,655,000	15,555,000	6,500,000	6,700,000	6,900,000	7,000,000	-	-
9	McNamara Apron Rehabilitation/Joint Repairs	86,650,000	11,650,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	-
10	Hangar 716 & 718 Apron Reconstruction	10,500,000	-	800,000	9,700,000	-	-	-	-
11	McNamara Apron Modifications and New Hardstand Positions	25,000,000	8,000,000	17,000,000	-	-	-	-	-
12	Taxilanes U-9 and Q Rehabilitation - Phase 1	30,000,000	-	20,000,000	10,000,000	-	-	-	-
	Airfield Sub-Total	464,930,000	36,205,000	70,150,000	88,750,000	63,400,000	191,425,000	15,000,000	-
Cargo, Hangar & Commercial Development									
13	West Service Drive Improvements & Relocation	7,925,000	1,325,000	925,000	-	450,000	5,225,000	-	-
	Cargo, Hangar & Commercial Development Sub-Total	7,925,000	1,325,000	925,000	-	450,000	5,225,000	-	-
Power Plants & Electrical Distribution System									
14	East Service Drive Utilities Upgrade & Expansion	7,340,000	4,340,000	1,500,000	1,500,000	-	-	-	-
15	Utility Command Center & Remote Metering	6,000,000	-	1,000,000	5,000,000	-	-	-	-
16	Medium Voltage Transmission Lines for Primary Service to the North Campus and Airfield	7,250,000	1,427,000	5,823,000	-	-	-	-	-
17	Primary Electrical Cable & Switchgear Replacement	550,000	180,000	370,000	-	-	-	-	-
18	North Power Plant Electrical Gear & Load Centers Replacement	2,550,000	450,000	2,100,000	-	-	-	-	-
19	Electrical Substations Replacements	4,000,000	-	2,700,000	1,300,000	-	-	-	-
20	North Power Plant Chillers & Support Systems	6,650,000	800,000	5,850,000	-	-	-	-	-
21	North Power Plant HVAC / Air Handler and Miscellaneous Improvements	2,800,000	1,210,000	1,590,000	-	-	-	-	-
22	South Power Plant Site Generators	10,000,000	-	-	-	500,000	5,700,000	3,800,000	-
23	Primary Electrical Loops Nos. 1-3 Upgrade & Expansion	5,125,000	-	1,925,000	1,600,000	1,600,000	-	-	-
24	North Power Plant Building Rehabilitation	3,000,000	600,000	2,400,000	-	-	-	-	-
25	McNamara Terminal HVAC Re-commissioning Study	600,000	-	-	350,000	250,000	-	-	-
	Power Plants & Electrical Distribution System Sub-Total	55,865,000	9,007,000	25,258,000	9,750,000	2,350,000	5,700,000	3,800,000	-
Fleet & Equipment									
26	Fleet & Heavy Equipment Acquisitions	39,361,000	18,700,000	4,000,000	5,580,500	6,580,500	4,500,000	-	-
27	Compressed Natural Gas Fueling Facility	2,560,000	-	-	-	-	384,000	2,176,000	-
	Fleet & Equipment Sub-Total	41,921,000	18,700,000	4,000,000	5,580,500	6,580,500	4,884,000	2,176,000	-
Parking & Ground Transportation Facilities									
28	Blue Parking Deck Rehabilitation - Phase 3	4,140,000	1,500,000	2,640,000	-	-	-	-	-

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29	Big Blue Deck Rehabilitation - Phase 4	13,200,000	-	-	1,000,000	1,500,000	2,500,000	2,500,000	5,700,000
30	McNamara Parking Deck Rehabilitation	7,750,000	3,750,000	2,000,000	2,000,000	-	-	-	-
31	McNamara Terminal Deck Rehabilitation - Phase 2	6,600,000	-	-	1,000,000	1,200,000	2,200,000	2,200,000	-
32	Eureka Express Lot	8,130,000	-	-	-	-	-	8,130,000	-
33	Surface Lots LED Lighting Installation	1,600,000	50,000	600,000	950,000	-	-	-	-
34	North Terminal GTC Third Elevator and Escalator	500,000	-	500,000	-	-	-	-	-
35	Parking Lot Rehabilitation	6,700,000	1,500,000	1,200,000	4,000,000	-	-	-	-
36	Parking System Replacement	10,000,000	-	-	500,000	9,000,000	500,000	-	-
	Parking & Ground Transportation Facilities Sub-Total	58,620,000	6,800,000	6,940,000	9,450,000	11,700,000	5,200,000	12,830,000	5,700,000
Bridges & Roadways									
37	Dingell Drive Retaining Wall Reconstruction	4,300,000	100,000	4,200,000	-	-	-	-	-
38	Bridges & Roadways Rehabilitation Program	24,914,000	8,962,000	7,200,000	4,752,000	2,000,000	2,000,000	-	-
39	Rogell Drive-Dingell Drive Connector	5,040,000	840,000	600,000	3,600,000	-	-	-	-
40	Rogell and Burton Drive Intersection Reconfiguration	7,000,000	200,000	6,800,000	-	-	-	-	-
41	Roadway LED Lighting Installation	1,275,000	200,000	637,500	437,500	-	-	-	-
42	Lucas Drive Enhancements	1,900,000	800,000	1,100,000	-	-	-	-	-
	Bridges & Roadways Sub-Total	44,429,000	11,102,000	20,537,500	8,789,500	2,000,000	2,000,000	-	-
Security & Communications									
43	McNamara Terminal CBP CCTV	900,000	60,000	840,000	-	-	-	-	-
43	Vehicle Checkpoint Enhancements - Sally Ports	600,000	-	-	600,000	-	-	-	-
44	Perimeter Fencing Cable Reinforcement	5,203,000	-	146,000	1,354,000	1,713,000	1,990,000	-	-
45	Checkpoint #1 Vehicle and Truck Screening Building	2,500,000	-	-	375,000	2,125,000	-	-	-
46	Security System & Network Upgrades - Phases 2 through 5	21,900,000	3,100,000	4,000,000	4,000,000	3,800,000	7,000,000	-	-
	Security & Communications Sub-Total	31,103,000	3,160,000	4,986,000	6,329,000	7,638,000	8,990,000	-	-
Support Facilities									
47	Airport Authority Headquarters Building	24,900,000	12,694,500	12,205,500	-	-	-	-	-
48	Roof Replacement Plan	3,149,000	100,000	900,000	60,000	151,000	1,685,000	253,000	-
49	Building 348 (Executive Terminal) Partial Restoration	370,000	70,000	300,000	-	-	-	-	-
50	Fire Training Facility Restoration and Burn Pit Replacement	5,585,000	-	770,000	4,815,000	-	-	-	-
51	ARFF Station 100 Improvements	1,200,000	-	700,000	500,000	-	-	-	-
52	Equipment Maintenance & Storage Facilities Replacement & Consolidation (Planning Only)	400,000	200,000	200,000	-	-	-	-	-
	Support Facilities Sub-Total	35,604,000	13,064,500	15,075,500	5,375,000	151,000	1,685,000	253,000	-
Site Redevelopment & Demolitions									
53	Building 715 (Former NWA/DL Hangar) Demolition	1,562,000	562,000	1,000,000	-	-	-	-	-
54	Buildings 714, 714A & 714B (Former Metro Flight Buildings) Site Redevelopment & Demolition	1,600,000	-	-	-	-	160,000	1,440,000	-
55	Building 534 (Former Flight Kitchen) Demolition	1,310,000	165,500	1,144,500	-	-	-	-	-
56	Building 358 (Former Police Station) Demolition	3,000,000	400,000	2,600,000	-	-	-	-	-
57	LC Smith & Berry Terminals Demolition	17,964,000	4,400,000	-	6,209,950	5,348,400	2,005,650	-	-
58	Rental Car Facilities Study	2,375,000	1,875,000	500,000	-	-	-	-	-

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Site Redevelopment & Demolitions Sub-Total				5,244,500	6,209,950	5,348,400	2,165,650	1,440,000	-	
Terminals										
59	North Terminal Gate Expansion	20,870,000	-	870,000	20,000,000	-	-	-	-	
60	North Terminal Interior Wall Panel Replacements	1,000,000	-	-	1,000,000	-	-	-	-	
Terminals Sub-Total				870,000	21,000,000	-	-	-	-	
Water Mains & Storm Water System										
61	Water Main Replacement	4,000,000	3,500,000	500,000	-	-	-	-	-	
62	Primary Pump & Switchgear Replacements	1,100,000	100,000	250,000	750,000	-	-	-	-	
63	Storm and Sanitary Sewer Systems Replacements	2,500,000	900,000	300,000	1,300,000	-	-	-	-	
Water Mains & Storm Water System Sub-Total				1,050,000	2,050,000	-	-	-	-	
Other Projects										
64	Master Plan Update	6,200,000	2,000,000	3,200,000	1,000,000	-	-	-	-	
Other Projects Sub-Total				3,200,000	1,000,000	-	-	-	-	
Total Current Detroit Metropolitan Airport FY 2017 - 2021 CIP Project: \$				803,878,000	\$ 113,266,000	\$ 158,236,500	\$ 164,283,950	\$ 99,617,900	\$ 227,274,650	\$ 35,499,000
									\$ 5,700,000	