



2025-2031 CIP Program Approval

Minneapolis-St. Paul International Airport (MSP)
and the six airports in the Reliever Airport System

INTRODUCTION	2
MSP END OF LIFE/REPLACEMENT PROJECTS	13
MSP IT PROJECTS	30
MSP LONG TERM COMPREHENSIVE PLAN PROJECTS	37
MSP MAINTENANCE/FACILITY UPGRADE PROJECTS	43
MSP NOISE MITIGATION PROJECTS	91
MSP ONGOING MAINTENANCE PROGRAMS	93
MSP TENANT PROJECTS	108
RELIEVER AIRPORTS LONG TERM COMPREHENSIVE PLAN PROJECTS	115
RELIEVER AIRPORTS MAINTENANCE/FACILITY UPGRADE PROJECTS	119

2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval	2025	2026	2027	2028	2029	2030	2031
MSP End of Life/Replacement Projects							
10 - Terminal 1							
Concourse and Hub Tram Replacement	\$1,500,000			\$300,000,000	\$300,000,000		
Concourse C Moving Walkway Upgrade/Replacement			\$3,000,000				
Passenger Boarding Bridge Replacements	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Recarpeting Program	\$2,000,000						
Terminal 1 Media Mesh Replacement			\$1,400,000				
Terminal 1 Outbound Baggage Handling System Replacement			\$15,000,000			\$250,000,000	
13 - Energy Management Center							
Concourse E and F Bridge Heating and Cooling System Replacement	\$6,800,000						
GTC Dual-temperature Pump Improvements	\$2,600,000						
Terminal 1 Boiler & Chiller Replacement & EMC Expansion	\$250,000		\$480,000,000				
Variable Air Volume (VAV) Box Replacement		\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	
21 - Field and Runway							
30L Deicing Pad Expansion				\$20,000,000			
30L Deicing Pad Reconstruction	\$12,000,000		\$15,000,000				
30L EMAS Replacement	\$19,000,000						
Airfield Snow Melter Replacement/Upgrades	\$1,800,000	\$1,800,000	\$2,000,000	\$2,000,000			
Bituminous Shoulder Reconstruction	\$1,000,000	\$1,000,000	\$1,000,000				
Concourse G Apron Pavement Reconstruction	\$13,500,000			\$15,000,000	\$14,000,000	\$16,000,000	
Runway 12L-30R Reconstruction						\$40,000,000	
Taxiway A/B Pavement Reconstruction	\$5,500,000						
Taxiway B Pavement Reconstruction	\$7,500,000			\$6,000,000	\$5,000,000	\$8,000,000	
Taxiway C Pavement Reconstruction					\$10,000,000		
Taxiway H Pavement Reconstruction			\$6,500,000				
Taxiway J Pavement Reconstruction			\$7,500,000				
Taxiway R Pavement Reconstruction		\$9,500,000					
Terminal 2 Apron Reconstruction			\$6,500,000	\$8,000,000	\$8,000,000		
31 - Parking							
Parking Ramp Snow Melter Replacement/Upgrades	\$1,350,000	\$1,400,000	\$1,400,000	\$1,400,000			
Parking Revenue Control System Modernization		\$4,200,000					
39 - Public Areas/Roads							
28th Avenue South Reconstruction				\$3,000,000			
East 62nd Street Reconstruction			\$4,100,000				
Post Road Reconstruction Project		\$5,000,000					
West Cell Phone Lot Reconstruction		\$500,000					
70 - General Office/Administration							
GO Building VAV Replacement and Upgrade	\$3,800,000						
MSP End of Life/Replacement Projects Subtotal	\$88,600,000	\$35,400,000	\$555,400,000	\$367,400,000	\$349,000,000	\$326,000,000	\$10,000,000

2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval	2025	2026	2027	2028	2029	2030	2031
MSP IT Projects							
10 - Terminal 1							
Concourse C Directory Replacement	\$800,000						
MAC Technology Upgrades	\$12,800,000	\$15,750,000	\$14,750,000	\$12,750,000	\$12,750,000	\$13,750,000	\$13,750,000
Telecom Room Equipment Continuity (TREC)	\$1,750,000						
12 - Federal Inspection Station (FIS)							
Customs and Border Protection Infrastructure	\$1,500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
13 - Energy Management Center							
Building Management (IMACS) Modernization	\$800,000	\$3,400,000					
36 - Terminal 2							
Common Use Passenger Boarding Bridges Cab Cameras	\$250,000						
Passenger Flow Tracking	\$2,000,000						
Upgrade and Modernize Terminal 2 Kiosks	\$1,000,000						
46 - Hangars and Other Buildings							
Multiple Points of Entry Facility		\$5,000,000	\$5,000,000	\$5,000,000			
63 - Police							
Badging and Door Access (SAACS/ProWatch) Modernization		\$2,100,000					
Card Access Modifications	\$2,500,000	\$2,800,000		\$2,500,000			
Public Safety Video (IVISN) Modernization	\$1,100,000	\$1,000,000	\$1,000,000				
MSP IT Projects Subtotal	\$24,500,000	\$31,050,000	\$21,750,000	\$21,250,000	\$13,750,000	\$14,750,000	\$14,750,000
MSP Long Term Comprehensive Plan Projects							
10 - Terminal 1							
Checkpoint Expansion					\$11,000,000		
Concourses E and F Assessment	\$200,000						
MSP Airport Layout Plan		\$100,000	\$100,000				
MSP Environmental Review				\$2,000,000			
MSP Long Term Plan					\$3,000,000		
21 - Field and Runway							
MSP Obstructions Removals			\$1,000,000		\$1,000,000		
NAVAID Relocation	\$5,000,000			\$2,000,000		\$30,000,000	
Runway 30R Parallel Taxiway				\$12,000,000	\$10,000,000	\$14,000,000	
31 - Parking							
Parking Capacity Assessment	\$200,000						
36 - Terminal 2							
Terminal 2 South Expansion Enabling Work		\$43,600,000		\$25,000,000	\$55,000,000		
46 - Hangars and Other Buildings							
Ground Service Equipment (GSE) Maintenance Facility	\$36,400,000						
MSP Long Term Comprehensive Plan Projects Subtotal	\$41,800,000	\$43,700,000	\$1,100,000	\$41,000,000	\$80,000,000	\$44,000,000	\$0

2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval	2025	2026	2027	2028	2029	2030	2031
MSP Maintenance/Facility Upgrade Projects							
10 - Terminal 1							
ADO Office Expansion	\$14,000,000						
Art Display Areas	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Arts Master Plan	\$1,575,000	\$410,000	\$610,000	\$610,000	\$610,000	\$610,000	\$610,000
Commission Chambers Lighting Upgrades	\$240,000						
Concourse A Heating System Upgrade	\$7,000,000						
Delivery Node Redevelopment	\$2,700,000	\$7,800,000	\$4,320,000	\$5,000,000			
F/G Connector Repairs and Improvements		\$4,000,000					
Folded Plate Surface Reconstruction	\$45,000,000		\$45,000,000				
Gold/Green Skyway Safety Improvements	\$100,000						
Lavatory Buildings Rehabilitation	\$4,400,000						
Lighting Infrastructure Technology and Equipment (LITE)	\$2,550,000	\$1,500,000	\$2,550,000	\$1,500,000	\$2,200,000	\$3,000,000	
LRT Stations Updates	\$15,000,000						
Main Mall Modernization				\$3,500,000	\$3,500,000		
MSP Courtesy Phone Updates and Removal	\$800,000	\$800,000	\$800,000				
Restroom Upgrade Program	\$2,400,000		\$2,625,000	\$2,050,000	\$2,050,000	\$2,050,000	
Sky Club Repairs and Improvements	\$1,100,000						
Steam System Upgrade Program	\$2,100,000	\$2,200,000	\$2,300,000	\$2,400,000			
Terminal 1 Information Booth Replacements	\$850,000						
Terminal 1 Sand Dump Station	\$300,000						
Terminal 1 Tram Maintenance	\$2,250,000						
Terminal 1 Tug Drive Heater Replacement	\$4,500,000						
Terminal 1 Tug Drive Waterproofing	\$2,900,000	\$2,900,000	\$2,900,000	\$2,900,000			
Wayfinding Sign Replacement	\$6,500,000		\$2,000,000		\$2,000,000		\$2,000,000
West Mezzanine Improvements		\$16,700,000					
12 - Federal Inspection Station (FIS)							
FIS Facility Upgrades	\$2,175,000	\$845,000	\$2,000,000				
13 - Energy Management Center							
Chiller Plant Optimization		\$4,000,000					
Energy Savings Program	\$2,000,000		\$2,000,000				
Indoor Air Quality Monitoring System		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	
MAC Automation Infrastructure Program	\$7,600,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000		
Steam Trap Monitoring System		\$3,000,000					
Victaulic Piping Replacement	\$19,000,000	\$4,000,000	\$2,200,000	\$2,300,000	\$2,350,000		
21 - Field and Runway							
Airfield Thermoplastic Markings	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000		
Apron Lighting LED Upgrade	\$1,000,000	\$3,000,000	\$1,000,000	\$1,000,000			
Field Maintenance Building Efficiency Program			\$56,000,000		\$112,000,000		\$49,000,000
GBAS - SLS-4000 Installation	\$7,000,000						
Runway LED Lighting Upgrade			\$3,000,000				
Terminal 2 Glycol Lift Station/Forcemain		\$1,500,000					
Tunnel Lighting LED Upgrade	\$1,000,000	\$900,000	\$400,000	\$1,200,000			
26 - Terminal Roads/Landside							
Terminal 2 Cell Phone Lot Study	\$100,000						
<i>MSP Maintenance/Facility Upgrade Projects continues on the next page</i>							

2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval	2025	2026	2027	2028	2029	2030	2031
MSP Maintenance/Facility Upgrade Projects (continued)							
31 - Parking							
Electric Vehicle Charging Network Expansion	\$1,500,000	\$850,000	\$850,000	\$1,500,000	\$1,500,000	\$1,500,000	
Parking Guidance System	\$8,600,000	\$4,700,000					
Red/Blue Parking Levels 2 & 3			\$10,000,000				
Terminal 2 Landside Office Remodel	\$400,000						
36 - Terminal 2							
Ramp Information Display System (RIDS)	\$3,600,000						
Terminal 2 Baggage Handling System	\$410,000						
Terminal 2 Gate Area Improvements	\$3,000,000						
Terminal 2 Ground Transportation Waiting Area Expansion	\$400,000						
Terminal 2 MUFIDS/EVIDS Millwork Upgrades	\$350,000						
Terminal 2 Skyway to LRT Flooring Installation			\$1,000,000				
Terminal 2 Ticket Counter Insert Replacement			\$750,000				
Terminal 2 Digital Wait Time Display			\$200,000				
39 - Public Areas/Roads							
34th Avenue Reconstruction		\$8,200,000	\$8,200,000				
34th Avenue Sanitary Sewer Replacement		\$2,200,000					
Diverging Diamond Intersection Rehabilitation			\$380,000				
Terminal 1 Inbound Roadway Median Improvements		\$14,200,000					
Tunnel Fan Replacement		\$6,800,000					
46 - Hangars and Other Buildings							
Campus Out Building Study	\$300,000						
56 - Trades/Maintenance Buildings							
Fall Hazard Mitigation	\$100,000						
Trades Building Rehabilitation & Addition		\$25,000,000					
63 - Police							
APD Response Training Room			\$500,000				
Critical Infrastructure Fencing	\$850,000						
Emergency Communications Center Updates			\$200,000				
Perimeter Fence Intrusion Detection System		\$1,000,000					
Perimeter Gate Security Improvements	\$3,000,000	\$6,500,000		\$7,000,000			
Police Department Remote Threat Isolation and Training Building			\$15,500,000				
Public Safety Modifications	\$1,000,000		\$850,000		\$850,000		
Squad Parking Modifications		\$140,000					
66 - Fire							
ARFF 1 Garage Door Replacement			\$1,500,000				
Fire Protection Systems Upgrades	\$10,000,000			\$10,000,000			\$10,000,000
70 - General Office/Administration							
Digital Signage In/At The GO		\$300,000					
General Office Workspace Improvements	\$1,000,000						
76 - Environment							
Firefighting Foam System Conversion	\$3,000,000						
Glycol Sewer & Storm Sewer Inspection/Rehabilitation	\$600,000				\$2,000,000	\$1,000,000	
Glycol Tank Roof Repairs				\$700,000			
Infield Fueling Facility Secondary Containment	\$400,000						
Lift Station at Ponds 1 and 2	\$2,300,000						
MSP Pond 3 / 494 Pond Sediment Removal & Repairs	\$5,900,000					\$14,000,000	
MSP Maintenance/Facility Upgrade Projects Subtotal	\$204,700,000	\$128,695,000	\$174,885,000	\$46,910,000	\$134,310,000	\$23,410,000	\$61,860,000

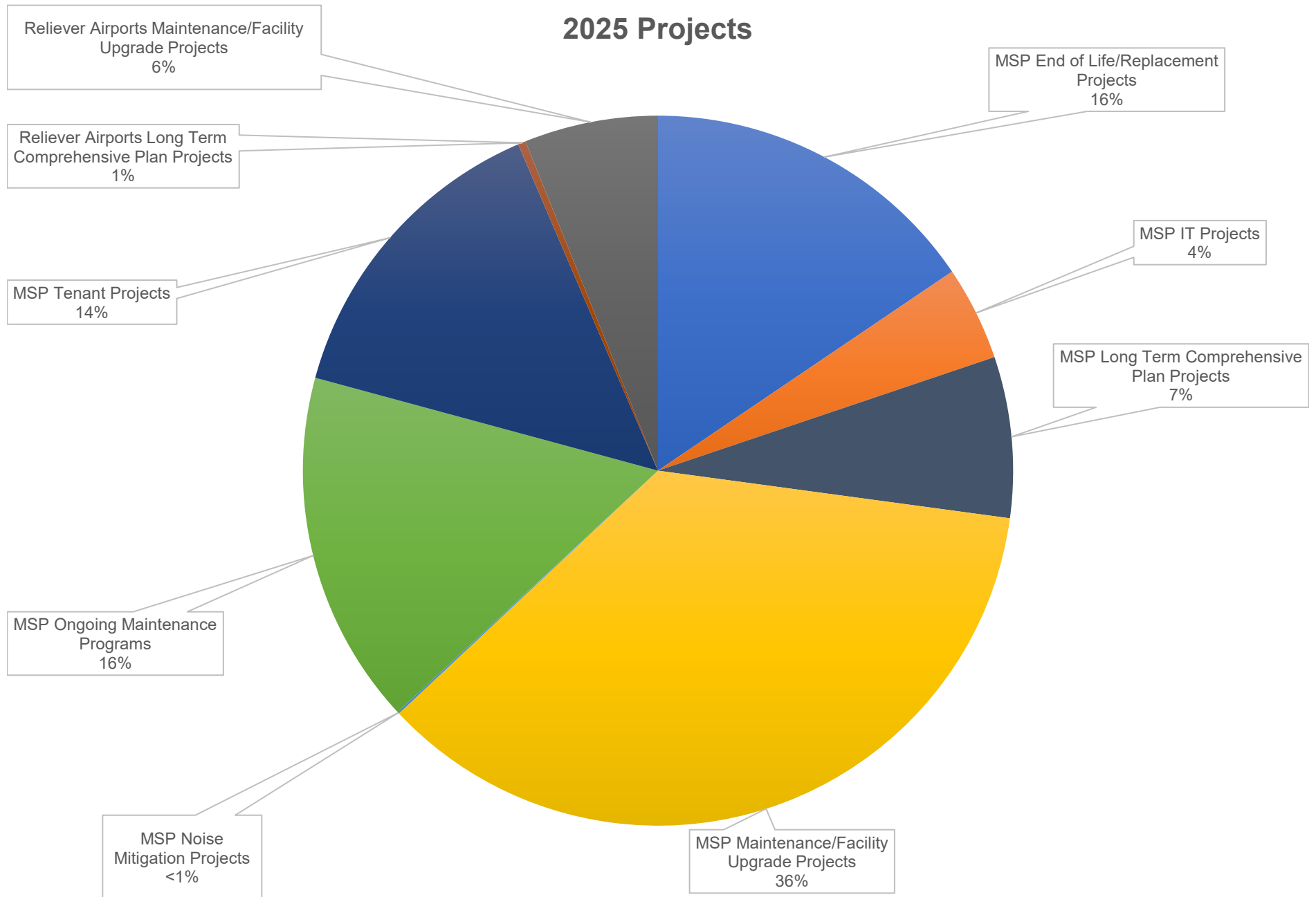
2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval							
	2025	2026	2027	2028	2029	2030	2031
MSP Noise Mitigation Projects	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000		
MSP Ongoing Maintenance Programs							
10 - Terminal 1							
Air Handling Unit Replacement	\$13,000,000		\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	
Baggage System Upgrades	\$7,500,000	\$5,500,000	\$6,000,000	\$500,000	\$500,000	\$500,000	\$500,000
Conveyance System Upgrades	\$3,000,000						
Electrical Infrastructure and Emergency Power Upgrades		\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$6,000,000	\$6,000,000
Electrical and Ground Power Substation Replacement	\$20,000,000	\$20,000,000	\$20,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Plumbing Infrastructure Upgrade Program	\$1,400,000	\$700,000	\$700,000	\$700,000	\$700,000	\$800,000	\$800,000
Terminal Building Remediation Program	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,500,000	\$3,500,000
Terminal Miscellaneous Modifications	\$2,600,000	\$2,600,000	\$2,600,000	\$3,100,000	\$3,100,000	\$3,100,000	\$3,600,000
13 - Energy Management Center							
EMC Life Safety Infrastructure Program	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000
EMC Plant Upgrades	\$2,150,000	\$2,200,000	\$2,300,000	\$2,400,000	\$2,500,000		
21 - Field and Runway							
Airside Electrical Construction	\$2,500,000	\$5,100,000	\$2,000,000	\$2,000,000	\$2,000,000		
Airside Roadway Pavement Restoration	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$3,600,000	
Miscellaneous Airfield Construction	\$2,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000		\$3,000,000
Pavement Joint Sealing/Repair	\$800,000	\$800,000	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000	
26 - Terminal Roads/Landside							
Tunnel/Bridge Inspections	\$120,000	\$120,000	\$120,000	\$150,000	\$150,000	\$150,000	\$150,000
Tunnel/Bridge Miscellaneous Modifications	\$1,000,000		\$1,000,000		\$1,000,000		\$1,000,000
31 - Parking							
Parking Structure Rehabilitation	\$4,750,000	\$5,650,000	\$5,000,000	\$6,000,000	\$5,175,000	\$6,350,000	
39 - Public Areas/Roads							
Concrete Joint Repair	\$550,000	\$500,000	\$1,200,000	\$2,900,000	\$750,000	\$2,000,000	\$2,000,000
Landside Pavement Rehabilitation	\$500,000	\$600,000	\$1,500,000	\$900,000	\$1,600,000	\$950,000	\$2,200,000
Landside Utility Rehabilitation	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000		
Roadway Fixture Refurbishment	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$200,000	
46 - Hangars and Other Buildings							
Campus Building Rehab Program	\$1,500,000		\$1,500,000		\$1,500,000		
Campus Parking Lot Reconstructions			\$3,075,000	\$3,075,000			\$8,500,000
End of Life Campus Building Demolition		\$400,000		\$3,700,000			
MSP Campus Building Roof Replacements	\$17,100,000	\$10,200,000	\$10,000,000	\$10,000,000	\$15,000,000	\$8,000,000	\$5,000,000
56 - Trades/Maintenance Buildings							
North Field Maintenance Mechanical Infrastructure Project		\$5,000,000					
Sump Pump Controls	\$4,000,000	\$3,500,000					
70 - General Office/Administration							
GO Building Improvements		\$500,000		\$500,000		\$500,000	
MSP Ongoing Maintenance Programs Subtotal	\$91,970,000	\$77,370,000	\$84,995,000	\$73,925,000	\$71,975,000	\$63,550,000	\$48,150,000

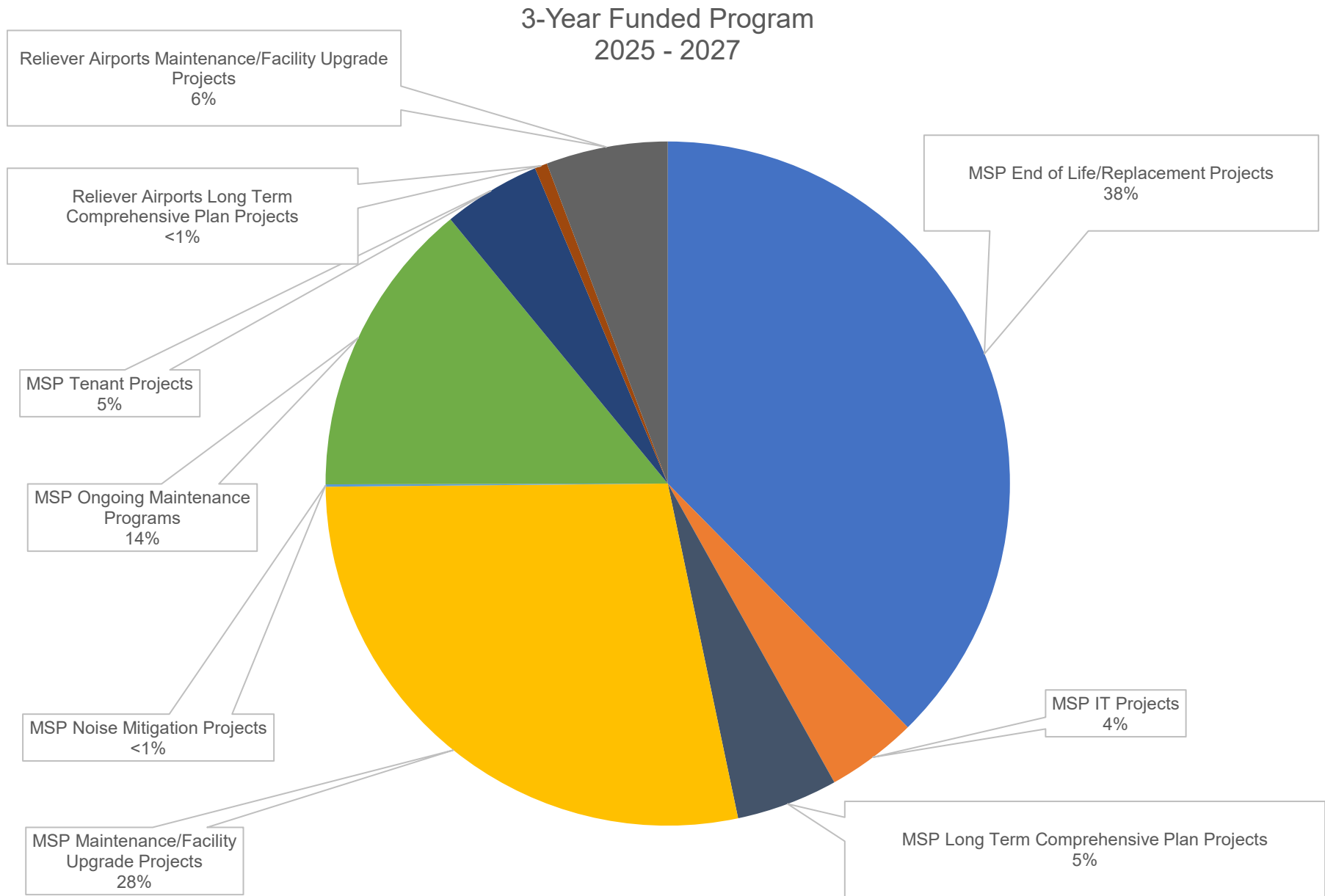
2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval	2025	2026	2027	2028	2029	2030	2031
MSP Tenant Projects							
10 - Terminal 1							
Concessions Rebids				\$550,000			
Concessions Upgrades/Revenue Development and Strategic Partnerships	\$375,000	\$320,000	\$295,000	\$335,000	\$340,000	\$350,000	\$400,000
Concourse and Gatehold Modernization	\$73,100,000						
Elevator and Concourse Improvements Related to Relocated United Club				\$1,000,000			
Terminal 1 Food Court Digital Signage		\$400,000					
36 - Terminal 2							
Terminal 2 Concessions Marketing Digital Display		\$250,000					
Terminal 2 Concessions Redevelopment	\$2,000,000						
Terminal 2 JWO Kiosk Relocation			\$150,000				
Terminal 2 Supplemental Concessions	\$150,000						
39 - Public Areas/Roads							
Tenant Parking Lot Reconstruction	\$3,400,000						
46 - Hangars and Other Buildings							
Air Freight Facility Parking Expansion	\$2,600,000						
Cargo Facility Study	\$250,000						
MSP Tenant Projects Subtotal	\$81,875,000	\$970,000	\$445,000	\$1,885,000	\$340,000	\$350,000	\$400,000
Reliever Airports Long Term Comprehensive Plan Projects							
80 - Reliever Airports							
Reliever Airports Planning Fees	\$600,000						
81 - St. Paul							
STP Environmental Review			\$800,000				
82 - Lake Elmo							
21D Airport Layout Plan	\$100,000				\$500,000		
21D Environmental Review							\$800,000
21D Long Term Comprehensive Plan					\$800,000		
83 - Airlake							
LVN Airport Layout Plan		\$100,000			\$500,000		
LVN Environmental Review							\$800,000
LVN Long Term Comprehensive Plan					\$800,000		
LVN Runway 12-30 Improvements			\$4,400,000				
84 - Flying Cloud							
FCM Environmental Review		\$1,800,000					
FCM South Building Area Utilities		\$800,000					
85 - Crystal							
MIC Airport Layout Plan				\$500,000			
MIC Environmental Review						\$800,000	
MIC Long Term Comprehensive Plan				\$800,000			
86 - Anoka County - Blaine							
ANE Airport Layout Plan	\$500,000						
ANE Building Area Development - Xylite St. Relocation				\$1,000,000			
ANE Environmental Review			\$800,000				
ANE Long Term Comprehensive Plan Update	\$800,000						
Reliever Airports Long Term Comprehensive Plan Projects Subtotal	\$2,000,000	\$2,700,000	\$6,000,000	\$2,300,000	\$2,600,000	\$800,000	\$1,600,000

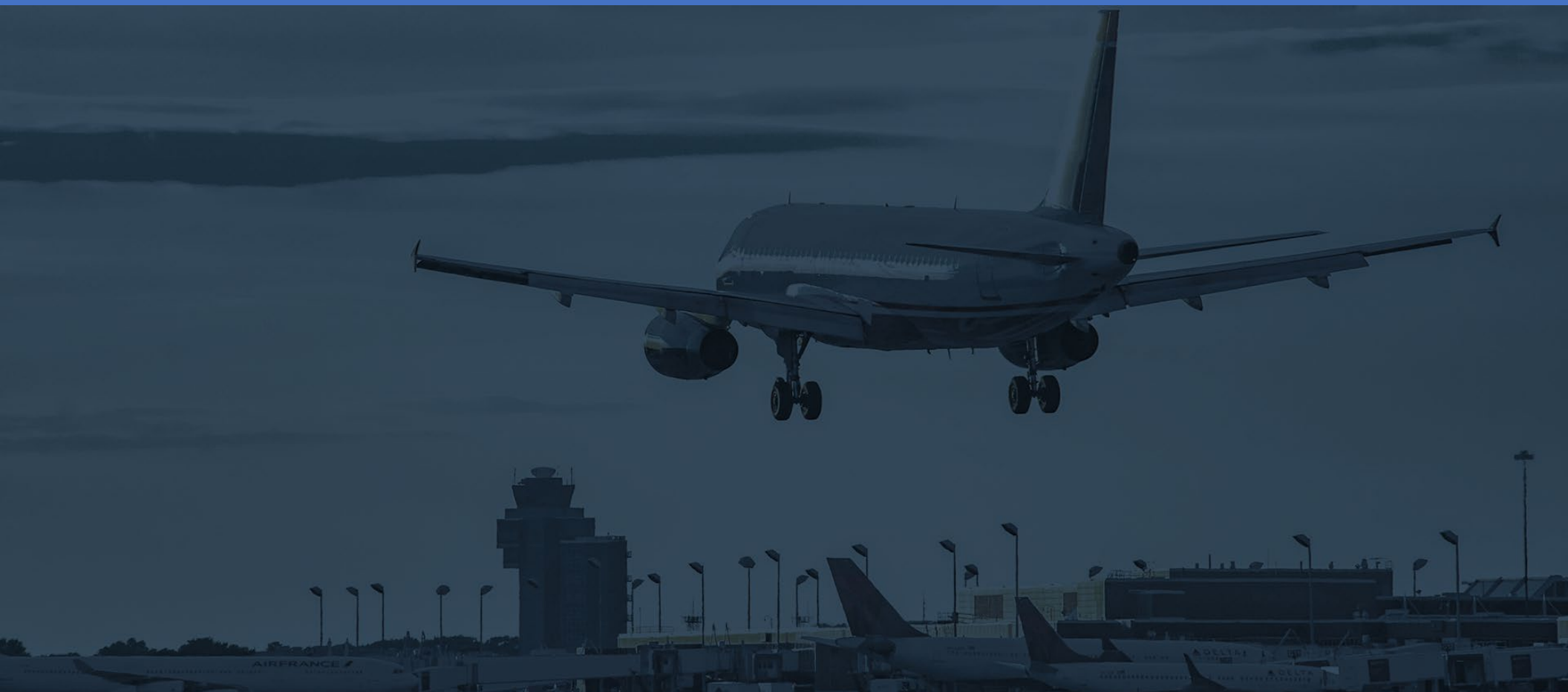
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Reliever Airports Maintenance/Facility Upgrade Projects							
80 - Reliever Airports							
Reliever Airports Security Fencing, Gates & Lighting	\$200,000	\$200,000	\$250,000	\$250,000	\$250,000	\$250,000	\$300,000
Reliever Indoor Air Quality Project			\$1,400,000				
Relievers Building Miscellaneous Modifications	\$400,000	\$400,000	\$475,000	\$475,000	\$475,000	\$475,000	\$550,000
Relievers Obstruction Removal	\$300,000		\$300,000		\$300,000		
Relievers Pavement Rehabilitation Miscellaneous Modifications	\$300,000	\$300,000	\$350,000	\$350,000	\$350,000	\$350,000	\$400,000
Relievers Used Oil Sheds and Tanks	\$550,000						
81 - St. Paul							
STP Airport Perimeter Roads	\$500,000						
STP Airport Road and Eaton Street Retaining Wall				\$900,000			
STP Cold Equipment Storage Building		\$750,000					
STP Customs and Border Protection General Aviation Facility	\$13,500,000						
STP Equipment Storage Building and Employee Crew Rooms				\$4,000,000			
STP Floodwall Inspection and Repairs						\$300,000	
STP Generator Replacement						\$800,000	
STP Infrastructure Replacement	\$1,200,000						
STP Intelligent Monitoring and Control System (IMACS) Expansion			\$2,250,000				
STP Joint and Crack Repairs		\$100,000					
STP MAC Building Improvements	\$200,000		\$200,000		\$200,000		\$200,000
STP Administration Building Apron Pavement Rehabilitation						\$500,000	
STP Pavement Reconstruction -Taxilanes/Tower Road		\$750,000					
STP Runway 13-31 Pavement Reconstruction		\$5,000,000					
STP Runway 14-32 EMAS Replacement			\$20,000,000				
STP Storm Sewer Improvements			\$2,000,000				
STP Taxiway B Reconstruction and LED Edge Lighting	\$1,100,000						
STP Taxiway Lima Reconstruction			\$200,000				
82 - Lake Elmo							
21D Equipment Storage Building	\$5,000,000						
21D Intelligent Monitoring and Control System (IMACS)				\$3,800,000			
21D North Building Area Pavement Reconstruction	\$900,000						
21D Runway 04-22 Pavement Reconstruction	\$4,000,000						
21D Taxiway Echo Edge Lighting		\$600,000					
21D Taxiway H Reconstruction	\$600,000						
83 - Airlake							
LVN 225TH Street Paving	\$450,000						
LVN AWOS Replacement	\$200,000						
LVN Existing Runway 12-30 Reconstruction			\$3,500,000				
LVN Intelligent Monitoring and Control System (IMACS)					\$1,300,000		
LVN North Service Road Pavement Reconstruction			\$500,000				
LVN North Taxilanes Pavement Reconstruction			\$1,250,000				
LVN Perimeter Fencing and Gates			\$4,000,000				
LVN South Building Area Utilities and Taxilanes		\$1,300,000					
LVN Taxiway Bravo Pavement Reconstruction		\$600,000					
<i>Reliever Airports Maintenance/Facility Upgrade Projects continues on the next page</i>							

2025 - 2031 Capital Improvement Program - Final Draft for Commission Approval		2025	2026	2027	2028	2029	2030	2031
Reliever Airports Maintenance/Facility Upgrade Projects (continued)								
84 - Flying Cloud								
FCM Airport Access Roads Pavement Rehabilitation				\$500,000	\$500,000	\$500,000		
FCM Electrical Vault Modifications				\$500,000				
FCM Gate Replacements	\$500,000							
FCM Infrastructure Replacement	\$1,750,000							
FCM Intelligent Monitoring and Control System (IMACS)				\$2,500,000				
FCM MAC Building Improvements			\$600,000					
FCM Northside Access Road from Bravo to November Lane	\$900,000							
FCM Runway 10R-28L Pavement Rehabilitation				\$2,700,000				
FCM Runway 18-36 Pavement Rehabilitation						\$700,000		
FCM Spring Lane Extension and Taxilane Connector				\$700,000				
FCM Tower Equipment for Airfield Lighting and Utilities			\$2,000,000					
85 - Crystal								
MIC Eastside Service Road Pavement Reconstruction			\$1,500,000					
MIC Existing Hangar Revitalization			\$0			\$800,000		
MIC Gate Replacement			\$800,000					
MIC Intelligent Monitoring and Control System (IMACS)						\$1,300,000		
MIC Northside Service Road Pavement Reconstruction					\$1,200,000			
MIC Runway 6L-24R Pavement Reconstruction				\$2,500,000				
MIC Service Road Pavement and Fencing				\$600,000				
MIC Stormwater Monitoring Location Drainage Repair	\$100,000							
MIC Taxilanes Pavement Reconstruction	\$600,000			\$600,000				
MIC Taxiway Alpha Pavement Reconstruction						\$1,200,000		
MIC Tower Parking Lot Reconstruction	\$1,500,000							
86 - Anoka County - Blaine								
ANE Electrical Vault Improvements			\$750,000					
ANE Gate Controller Replacement			\$400,000					
ANE Intelligent Monitoring and Control System (IMACS)					\$1,300,000			
ANE Runway 18-36 Pavement Reconstruction			\$3,800,000					
ANE Runway 9-27 Edge Lighting and PAPI Replacement			\$900,000					
ANE Runway 9-27 Pavement Reconstruction					\$3,750,000			
ANE Taxilane Pavement Reconstruction - Fox Hollow				\$1,000,000				
ANE Taxiway B Pavement Rehabilitation						\$1,400,000		
Reliever Airports Maintenance/Facility Upgrade Projects Subtotal	\$34,750,000	\$20,750,000	\$48,275,000	\$16,525,000	\$8,775,000	\$2,675,000	\$1,450,000	
MSP Subtotal	\$533,945,000	\$317,685,000	\$839,575,000	\$553,370,000	\$650,375,000	\$472,060,000	\$135,160,000	
Relievers Subtotal	\$36,750,000	\$23,450,000	\$54,275,000	\$18,825,000	\$11,375,000	\$3,475,000	\$3,050,000	
Total	\$570,695,000	\$341,135,000	\$893,850,000	\$572,195,000	\$661,750,000	\$475,535,000	\$138,210,000	
		Three-year total:		\$1,805,680,000	Seven-year total:		\$3,082,675,000	

2025 Projects



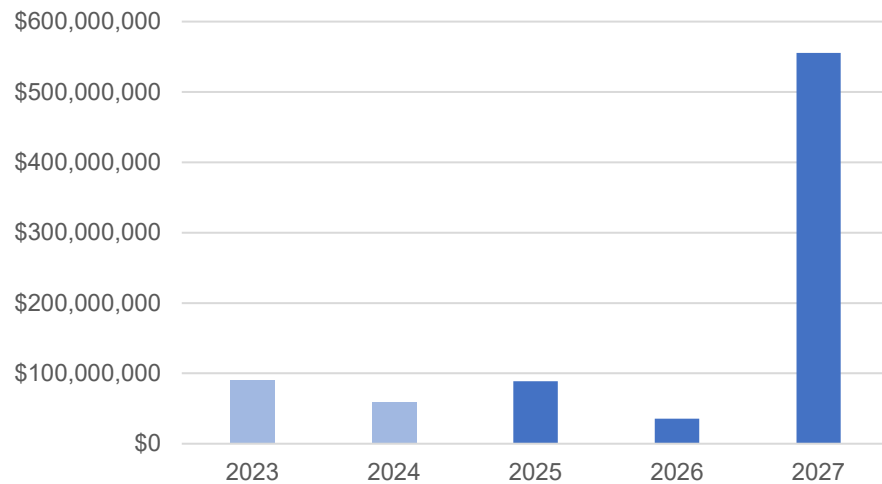




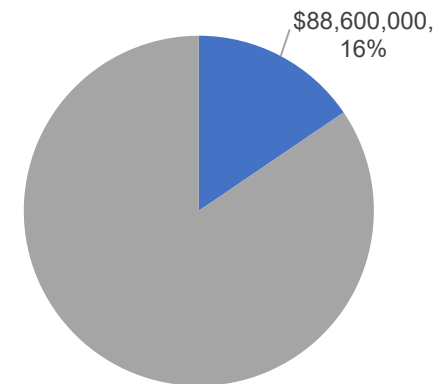
MSP END OF LIFE/REPLACEMENT PROJECTS

End of Life/Replacement projects include systems, components, and pavements that can no longer be economically or feasibly maintained and must be replaced.

MSP End of Life/Replacement Projects



2025 MSP End of Life/Replacement Projects



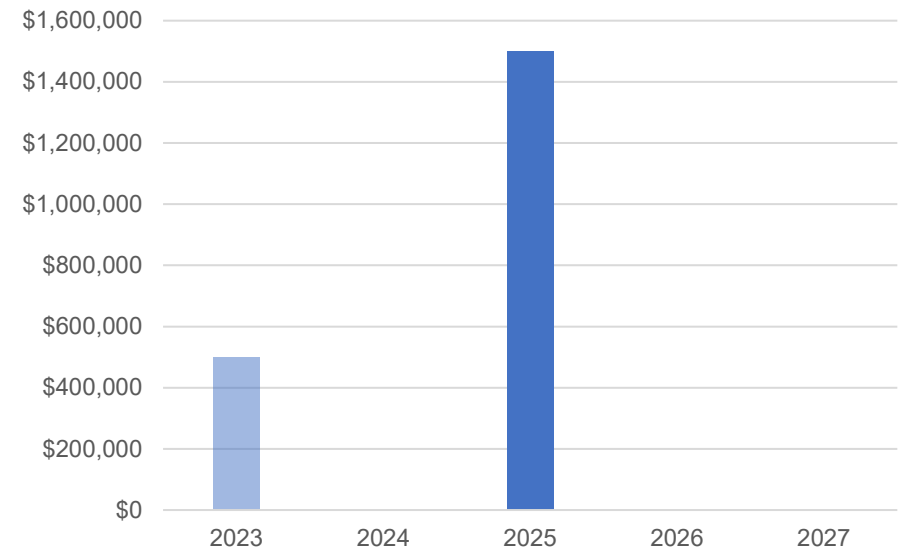
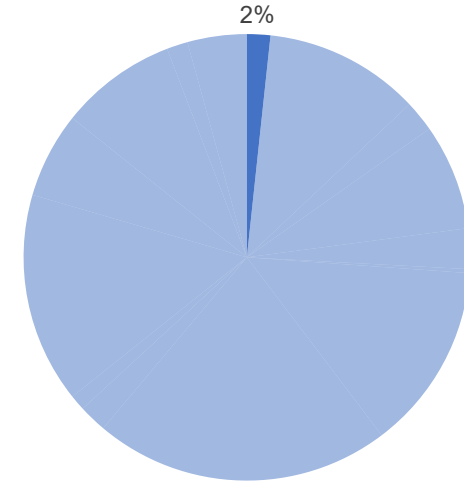
10 – TERMINAL 1

CONCOURSE AND HUB TRAM REPLACEMENT

This project funds a study to evaluate equipment and procurement options for the replacement of the Hub Core and Concourse C Trams which are nearing the end of their useful life.



\$1,500,000

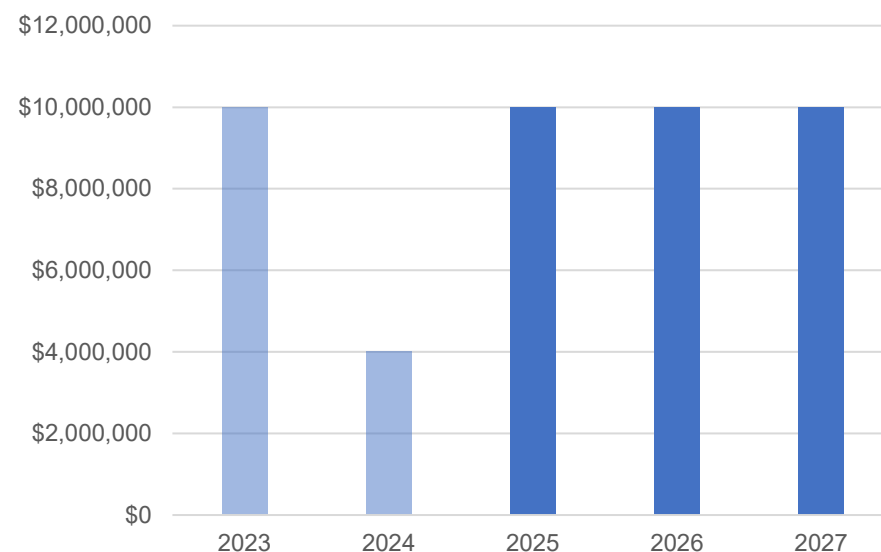
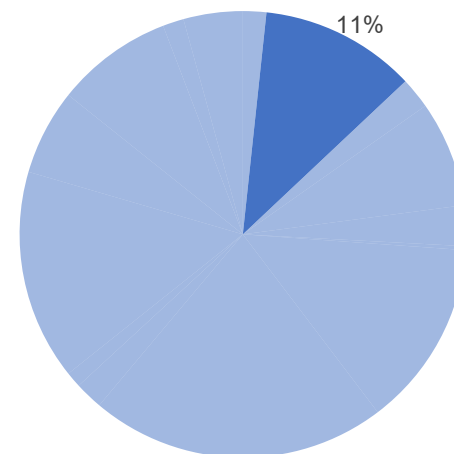


PASSENGER BOARDING BRIDGE REPLACEMENTS

This program replaces jet bridges at Terminal 1. Bridges to be replaced will be determined based on a condition assessment and input from the airlines. Aircraft parking positions will be optimized at the impacted gates and fuel pits adjusted as necessary. Podiums and door openings may also be adjusted to optimize gate hold area. It is assumed fixed walkways may need to be replaced or added to meet ADA slope requirements and all gate hold areas will be upgraded with security doors, card readers, and cameras.



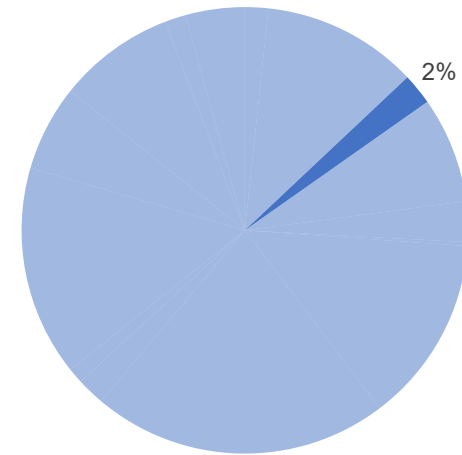
\$10,000,000



RECARPETING PROGRAM

\$2,000,000

This project will replace carpet on Concourse E in keeping with the Concourse Modernization program underway elsewhere in Terminal 1.



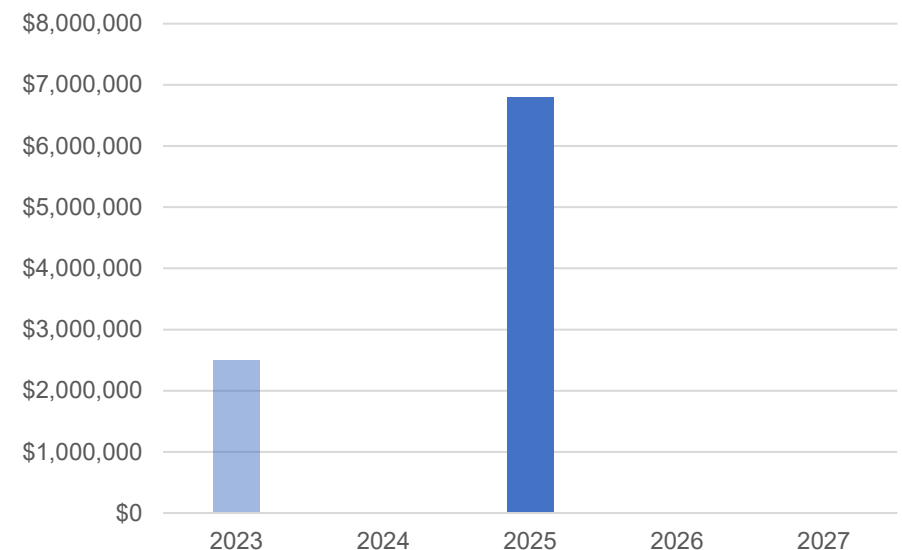
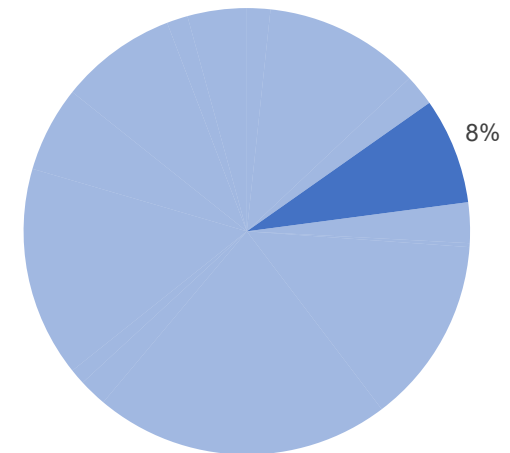
13 – ENERGY MANAGEMENT CENTER

CONCOURSE E AND F BRIDGE HEATING AND COOLING SYSTEM REPLACEMENT

This is the second of two phases of work to replace and improve the heating and cooling systems on the bridges to Concourses E and F. This phase will include steam and condensate piping above grade through E Bridge connector, steam pressure reducing station in ground level, heat exchangers and water pumps in penthouse of E will be replaced. In the penthouse of the F Bridge, heat exchangers and water pumps will be replaced.



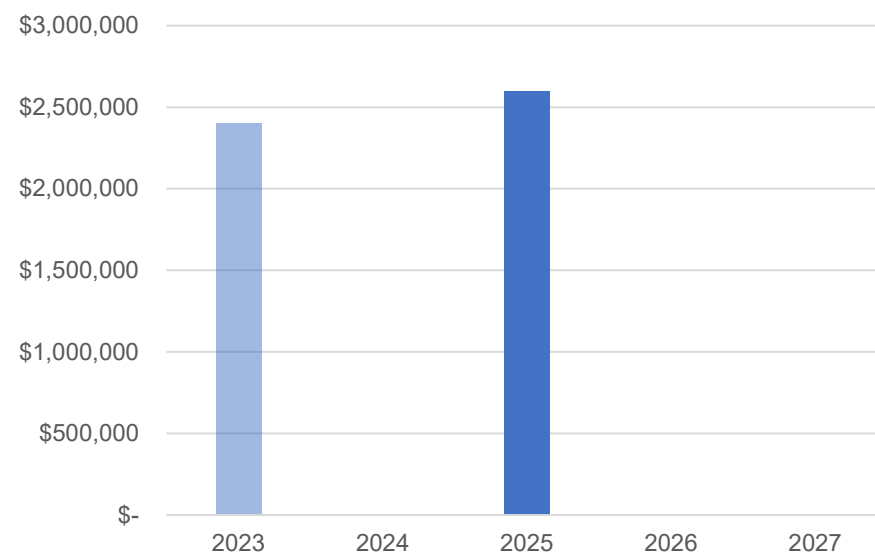
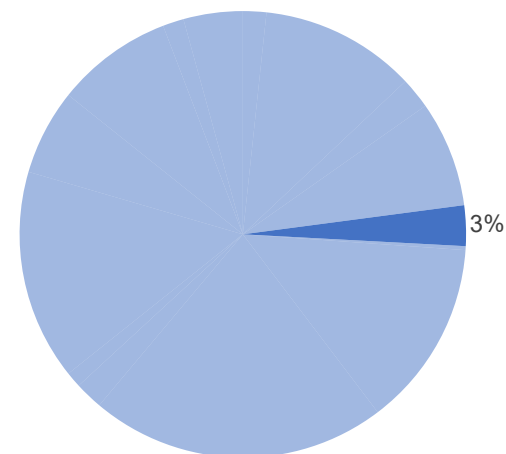
\$6,800,000



GTC DUAL-TEMPERATURE PUMP IMPROVEMENTS

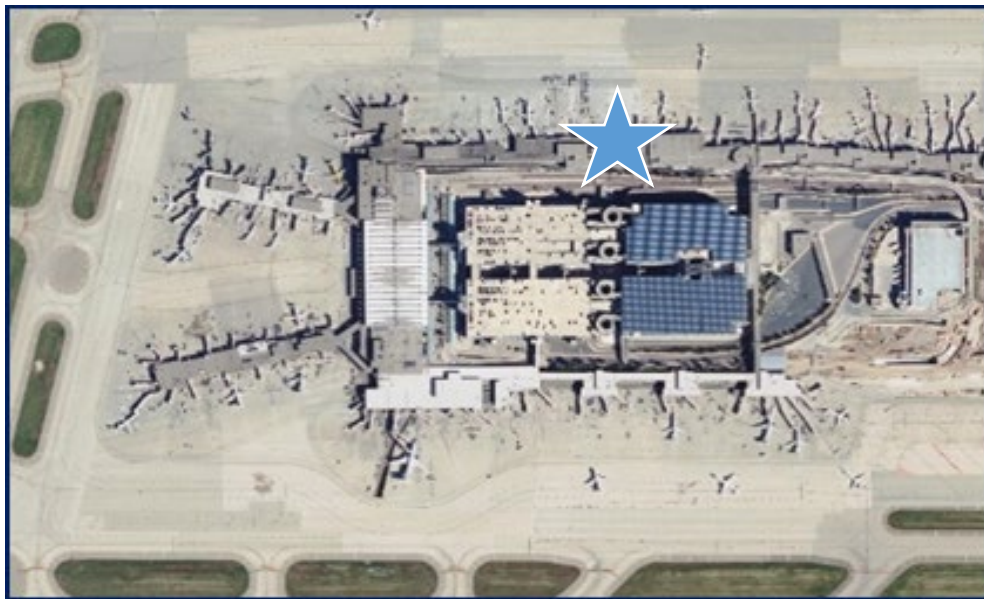
This project will replace end of life pumps and supporting infrastructure. This is the second of two phases of this work.

\$2,600,000

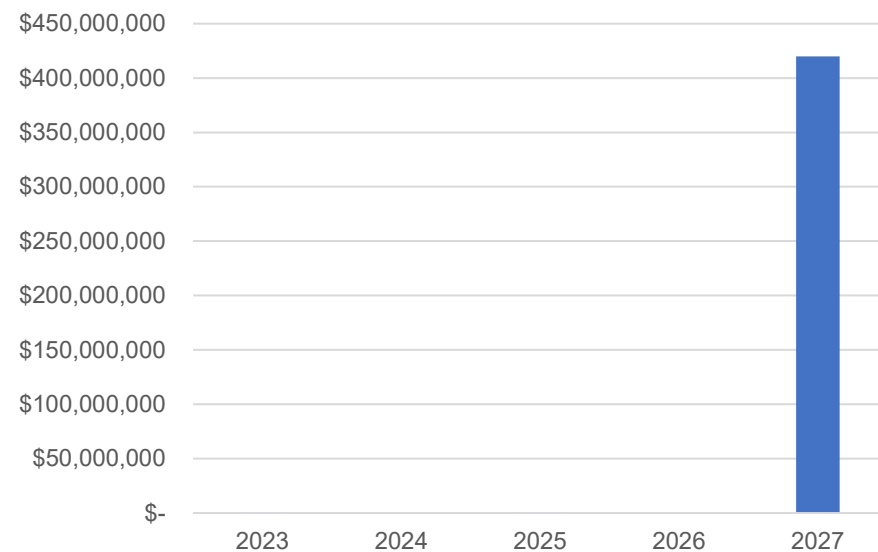
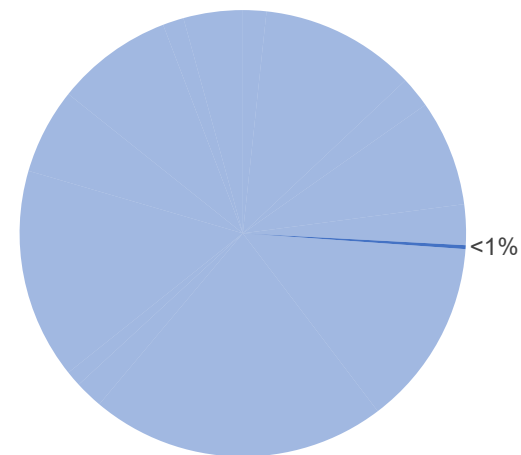


TERMINAL 1 BOILER AND CHILLER REPLACEMENT AND EMC EXPANSION

This second study phase of the program will focus on project phasing for the replacement of equipment in the Energy Management Center with a more efficient design, as well as building impacts to remove the old equipment and bring the new equipment into the building.



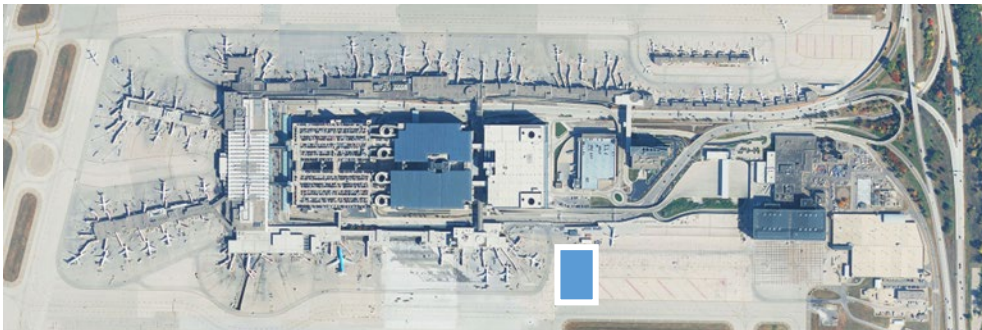
\$250,000



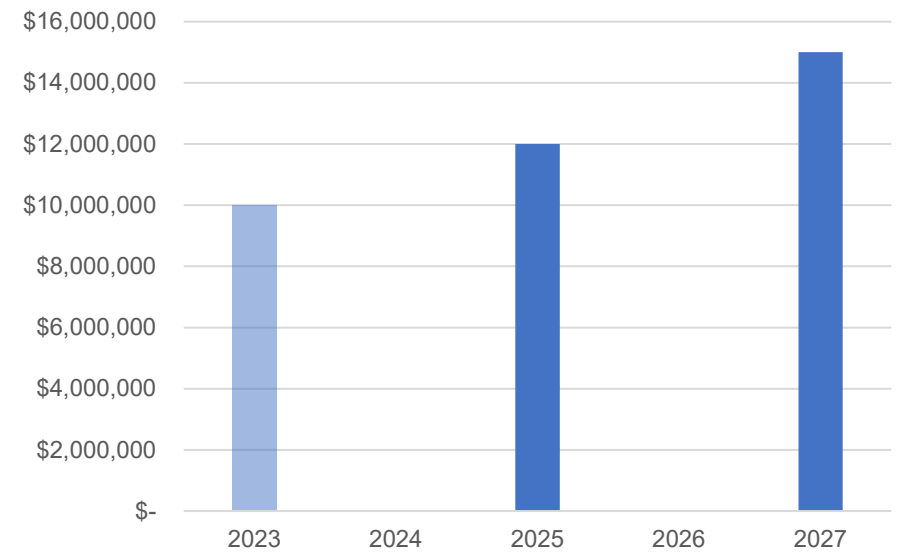
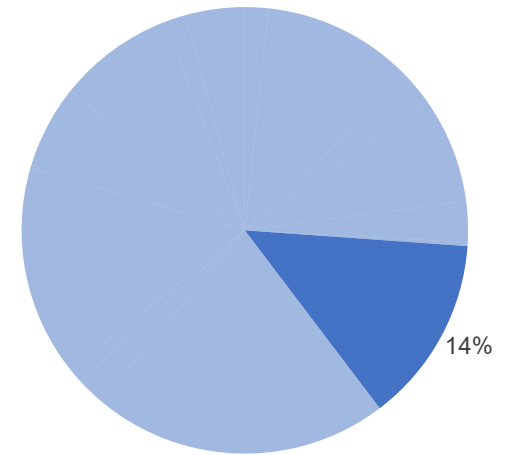
21 – FIELD AND RUNWAY

30L DEICING PAD RECONSTRUCTION

This is the second of three phases to reconstruct the deicing pad at Runway 30L.



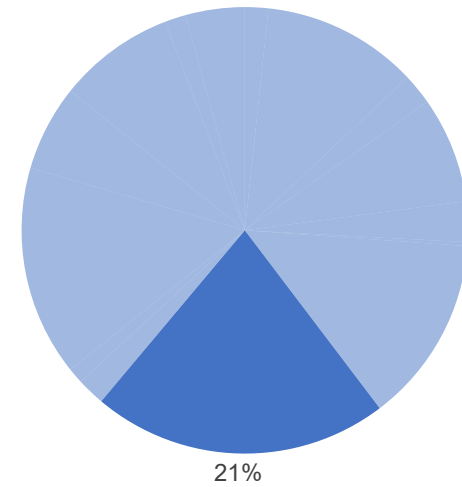
\$12,000,000



30L EMAS REPLACEMENT

\$19,000,000

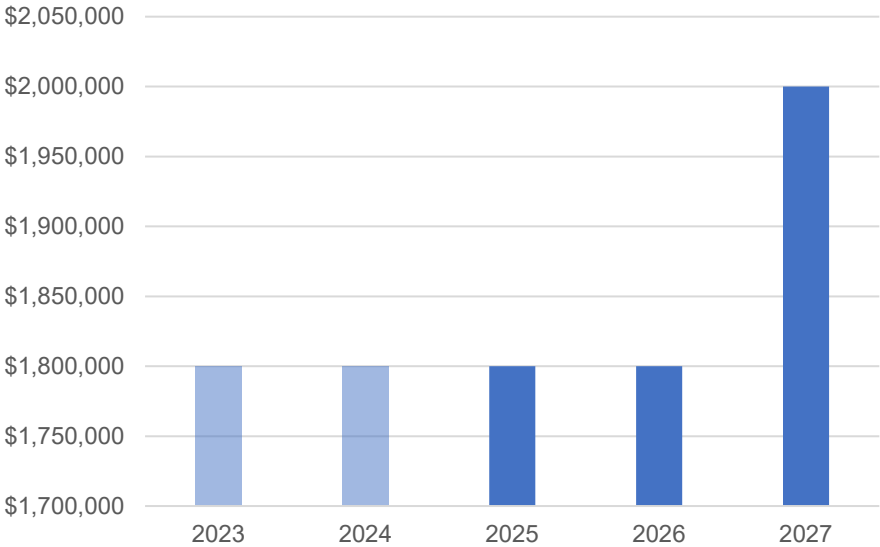
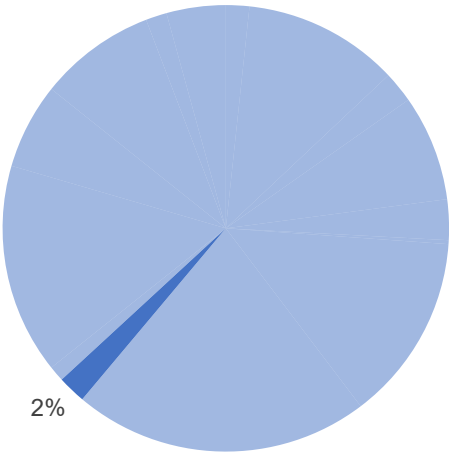
This project will replace the Engineered Material Arresting System (EMAS) at the end of Runway 30L which is reaching the end of its useful life.



AIRFIELD SNOW MELTER REPLACEMENT/UPGRADES

\$1,800,000

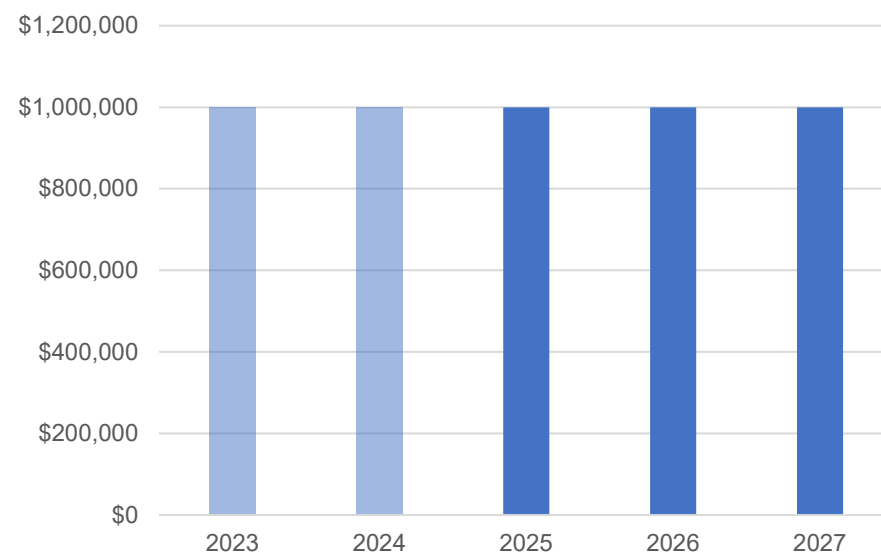
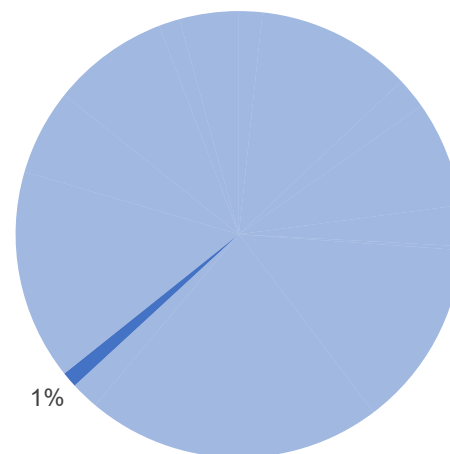
This project will replace, modify and/or upgrade snow melters on the airfield that are beyond their useful life.



BITUMINOUS SHOULDER RECONSTRUCTION

This project will reconstruct full depth bituminous shoulders along Runway 12R-30L. This work will restore transverse grades to shoulders to improve drainage and meet FAA standards. Work will include removals, crushed aggregate base, bituminous pavement, pavement marking, and electrical construction.

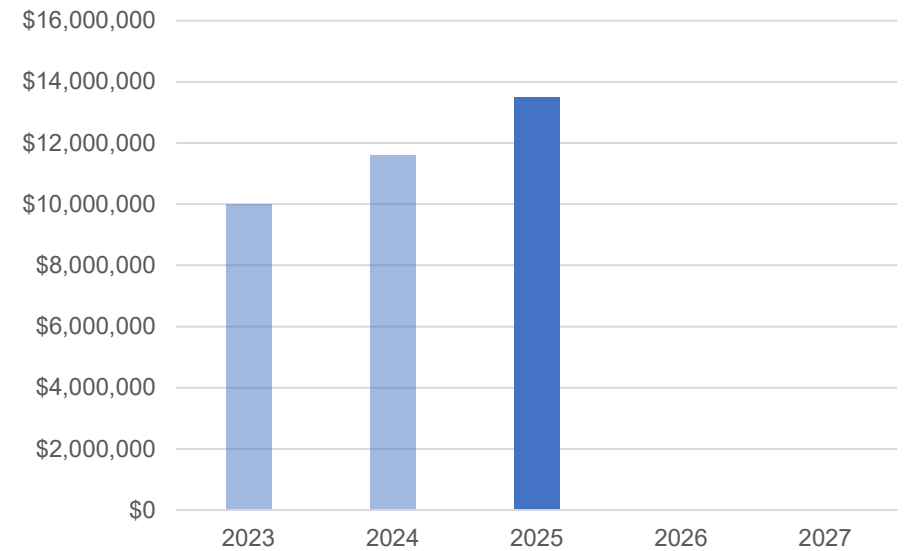
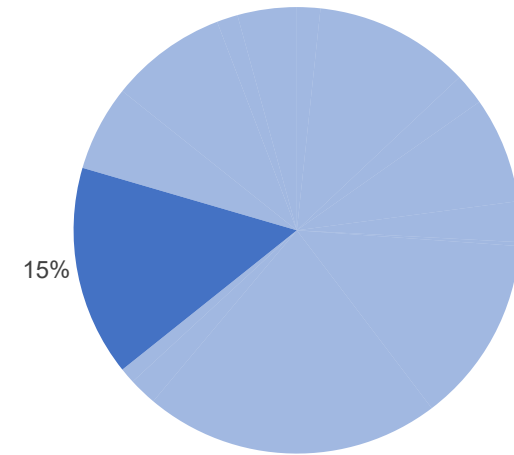
\$1,000,000



CONCOURSE G APRON PAVEMENT RECONSTRUCTION

\$13,500,000

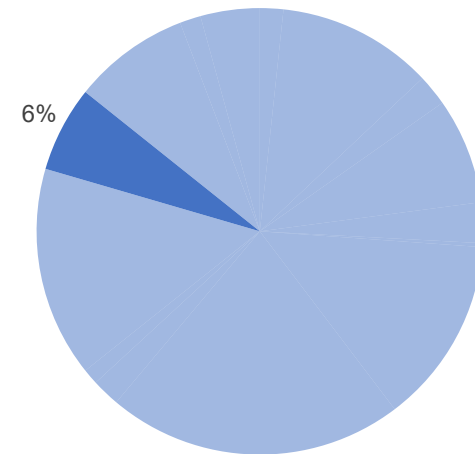
This project will reconstruct a portion of the apron area adjacent to Concourse G. Work will include removals, excavation, granular material, crushed aggregate base, concrete pavement, fuel pits, and pavement marking.



TAXIWAY A/B PAVEMENT RECONSTRUCTION

\$5,500,000

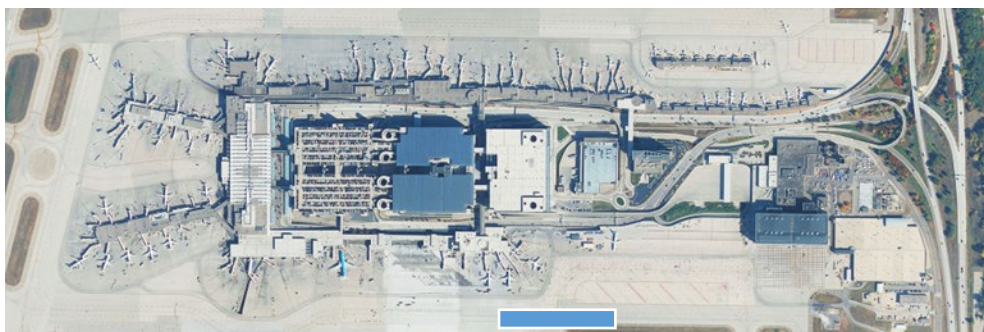
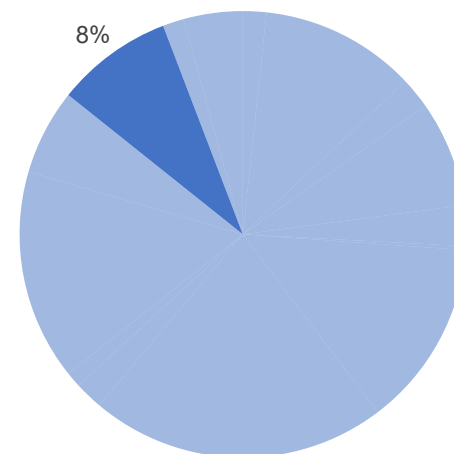
This project will reconstruct concrete pavement within the object free areas of Taxiway A and Taxiway B between Taxiway D and Taxiway A7. The work will include removals, subgrade correction, concrete pavement, and pavement marking.



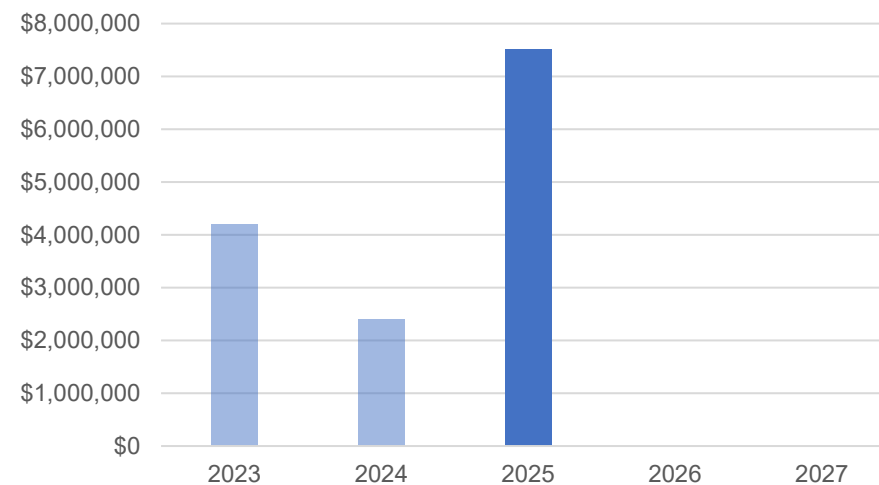
TAXIWAY B PAVEMENT RECONSTRUCTION

This project will reconstruct a portion of Taxiway B. Work will include removals, excavation, granular material, crushed aggregate base, concrete pavement, bituminous shoulders, pavement marking, and taxiway centerline lights.

\$7,500,000



Taxiway B Pavement Reconstruction

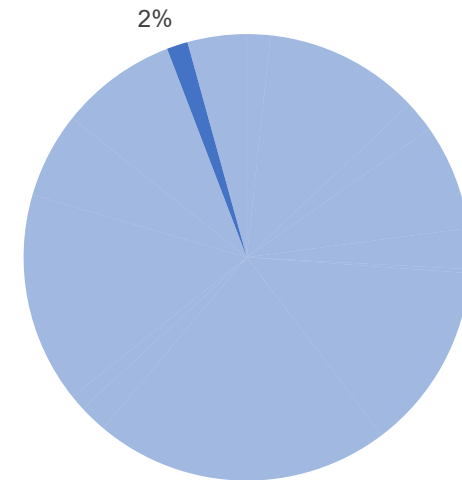


31 – PARKING

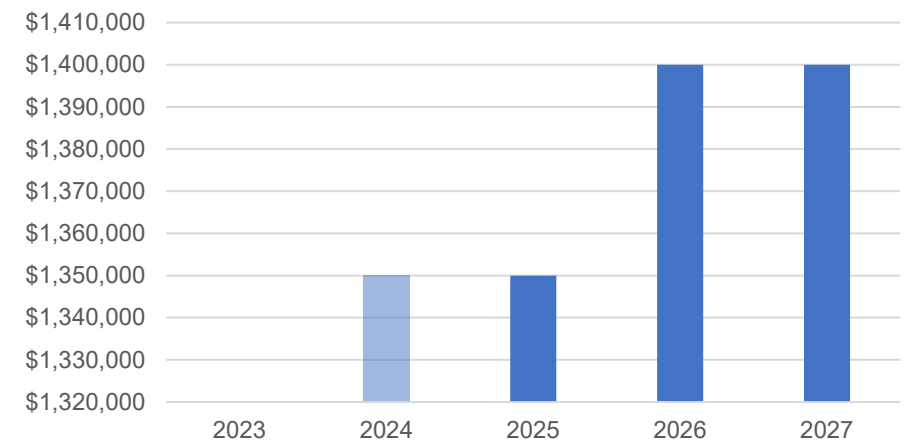
PARKING RAMP SNOW MELTER REPLACEMENT/UPGRADES

This project will replace, modify and/or upgrade snow melters in the parking ramps that are beyond their useful life.

\$1,350,000

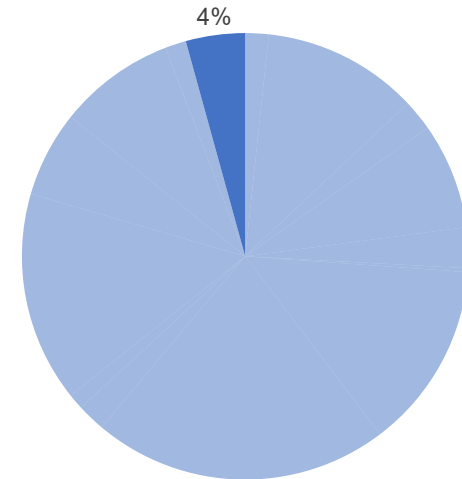


Parking Ramp Snow Melter Replacement/Upgrades



70 – GENERAL OFFICE/ADMINISTRATION**GO BUILDING VAV REPLACMENT AND UPGRADE**

This project consists of replacing over 100 25-year-old Variable Air Volume (VAV) boxes, upgrading controls on perimeter radiation, and home-running all IP controls in the General Office (GO) building. VAVs regulate air flow from air handling units and temper air temperature. The new VAVs will be “smart” technology, allowing nighttime setback temperatures to be used to reduce energy costs and greenhouse gas emissions. The existing VAVs not only prevent the use of nighttime setback temperatures but actually compound energy and emissions impacts by pulling heat from boilers to put extra heat into the building.

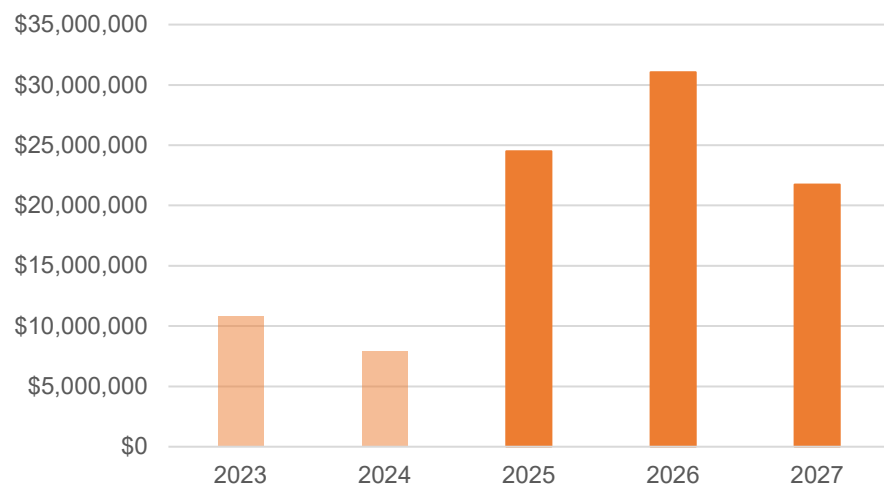
\$3,800,000



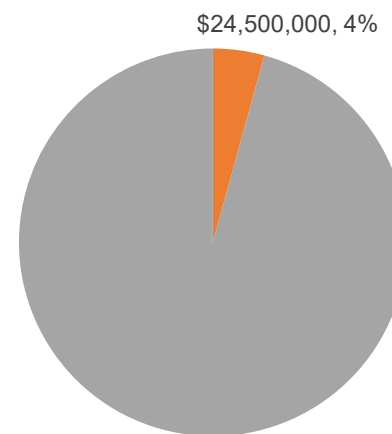
MSP IT PROJECTS

MSP IT Projects include those that have a significant amount, if not all, technology-related enhancements, maintenance, or restructuring.

MSP IT Projects



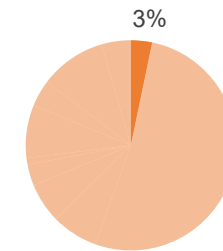
2025 MSP IT Projects



10 – TERMINAL 1

CONCOURSE C DIRECTORY REPLACEMENT

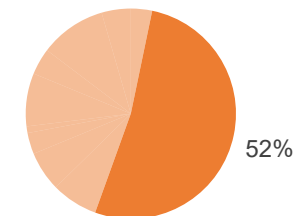
The digital displays on Concourse C will be replaced to provide a consistent customer experience similar to the displays in the Terminal 1 mall.



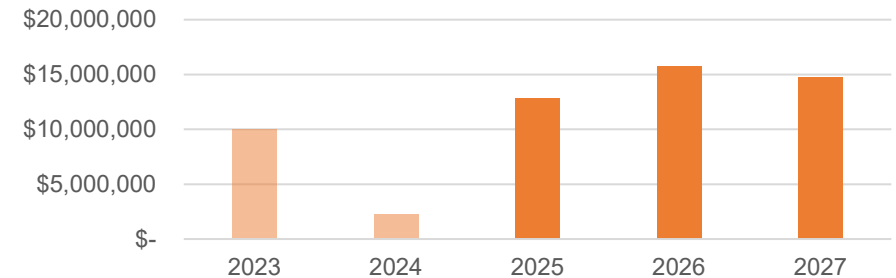
\$800,000

MAC TECHNOLOGY UPGRADES

Each year, there are several IT projects that are beyond the resources of MAC's staff and operating budget to accomplish. These projects are prioritized and completed either as a series of contracts or as purchase orders. Work may include Fiber Optic Cable Upgrades, MACNet maintenance and upgrades, EVIDs/MUFIDs digital signs, Wireless System enhancements, and MAC Public Address System maintenance and upgrades. The list of potential projects will be finalized in early 2025.



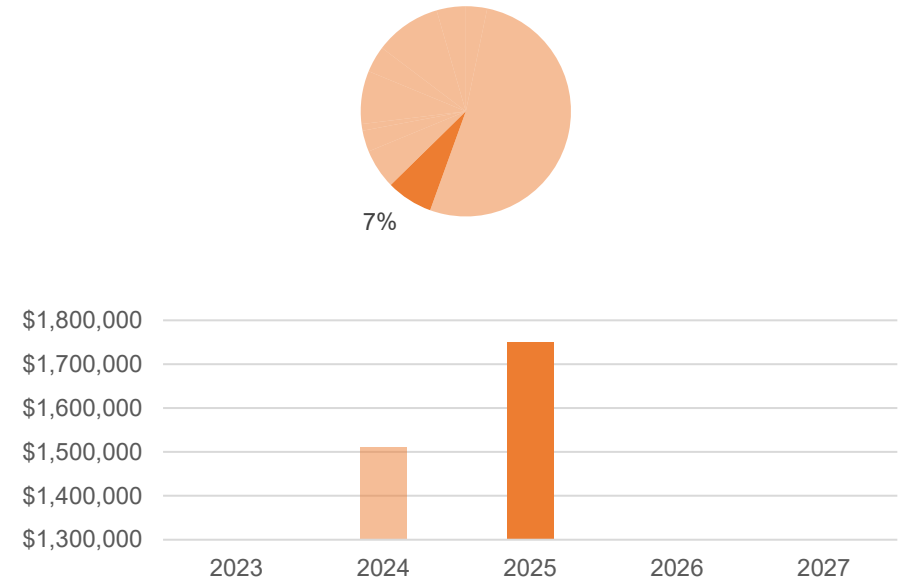
\$12,800,000



TELECOM ROOM EQUIPMENT CONTINUITY (TREC)

\$1,750,000

The MAC network (MACNet) carries, along with other information, credit card data collected from the landside parking revenue control system. Merchants like the MAC are required to meet credit card security standards created to protect card holder data. Among these requirements are security standards for the physical locations where MACNet equipment is located. Additionally, the network equipment itself must have added security features to prevent unauthorized network access. This multi-year program addresses these standards by providing security equipment and relevant network hardware for the 150 telecommunications rooms on the MAC campus.

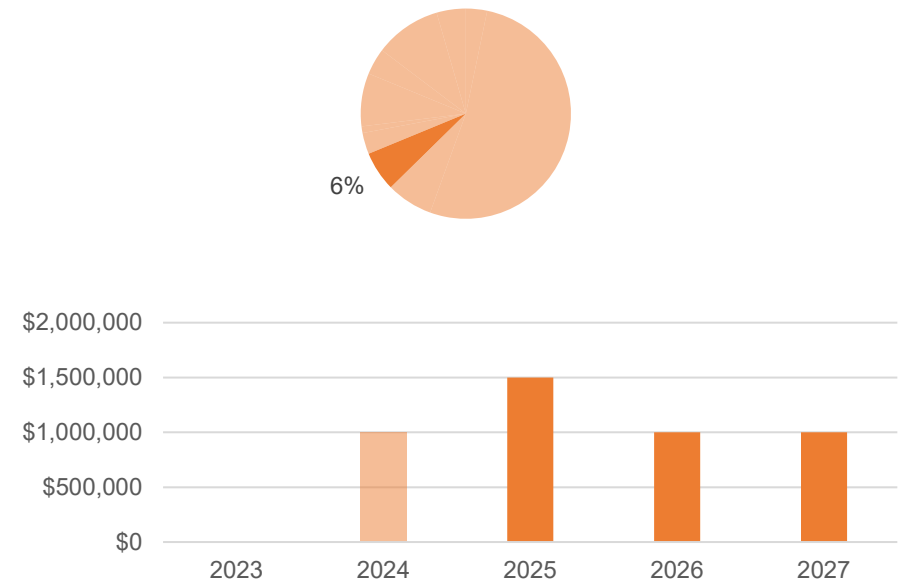


12 – FEDERAL INSPECTION STATION (FIS)

CUSTOMS AND BORDER PROTECTION INFRASTRUCTURE

\$1,500,000

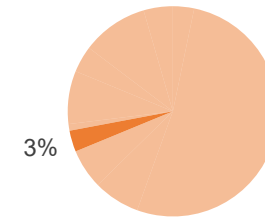
MAC is responsible for supplying and maintaining Customs and Border Protection (CBP) infrastructure. In addition to the camera system, CBP has other infrastructure standards that need to be addressed. MAC and its project consultants will partner with CBP to create, schedule, and implement the new system equipment and operating requirements consistent with MAC and CBP Policies and Standards.



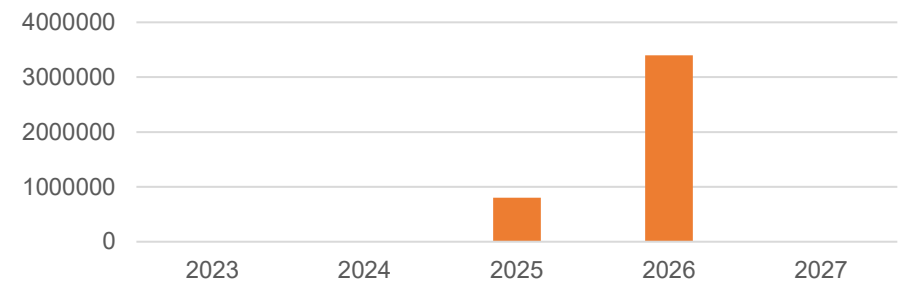
13 – ENERGY MANAGEMENT CENTER

BUILDING MANAGEMENT (IMACS) MODERNIZATION

This project will assess, roadmap, and modernize MAC's energy, water, HVAC, & people mover management systems.



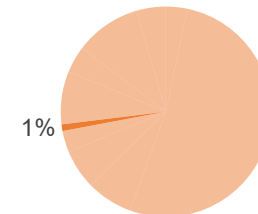
\$800,000



36 – TERMINAL 2

COMMON USE PASSENGER BOARDING BRIDGES CAB CAMERAS

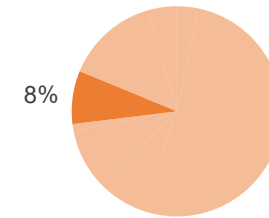
This project will add IVISN-connected cameras to the cab of the common use passenger boarding bridges that currently do not have them and are not under construction (H5-H10, E1 and E3).



\$250,000

PASSENGER FLOW TRACKING

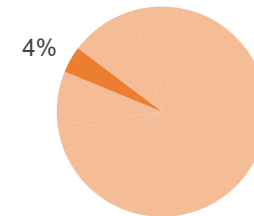
This project will provide a program to track and analyze passenger movements and predict facility performance.



\$2,000,000

UPGRADE AND MODERNIZE TERMINAL 2 KIOSKS

This project will upgrade and modernize Terminal 2 common-use kiosks.

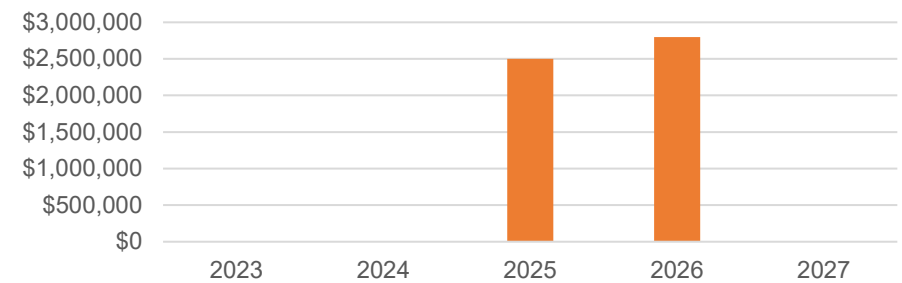


\$1,000,000

63 – POLICE

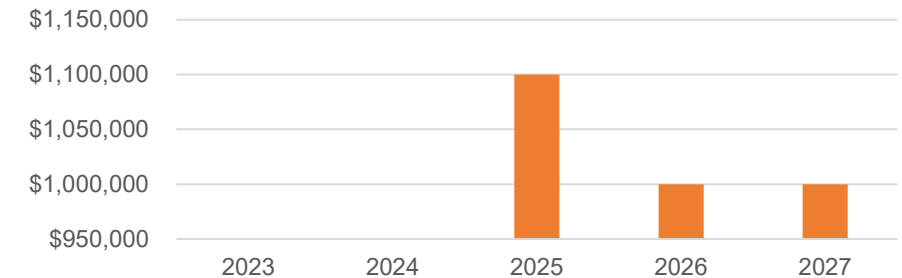
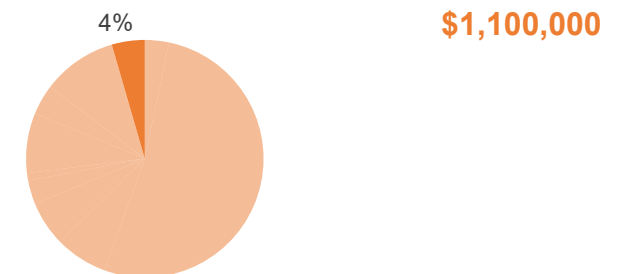
CARD ACCESS MODIFICATIONS

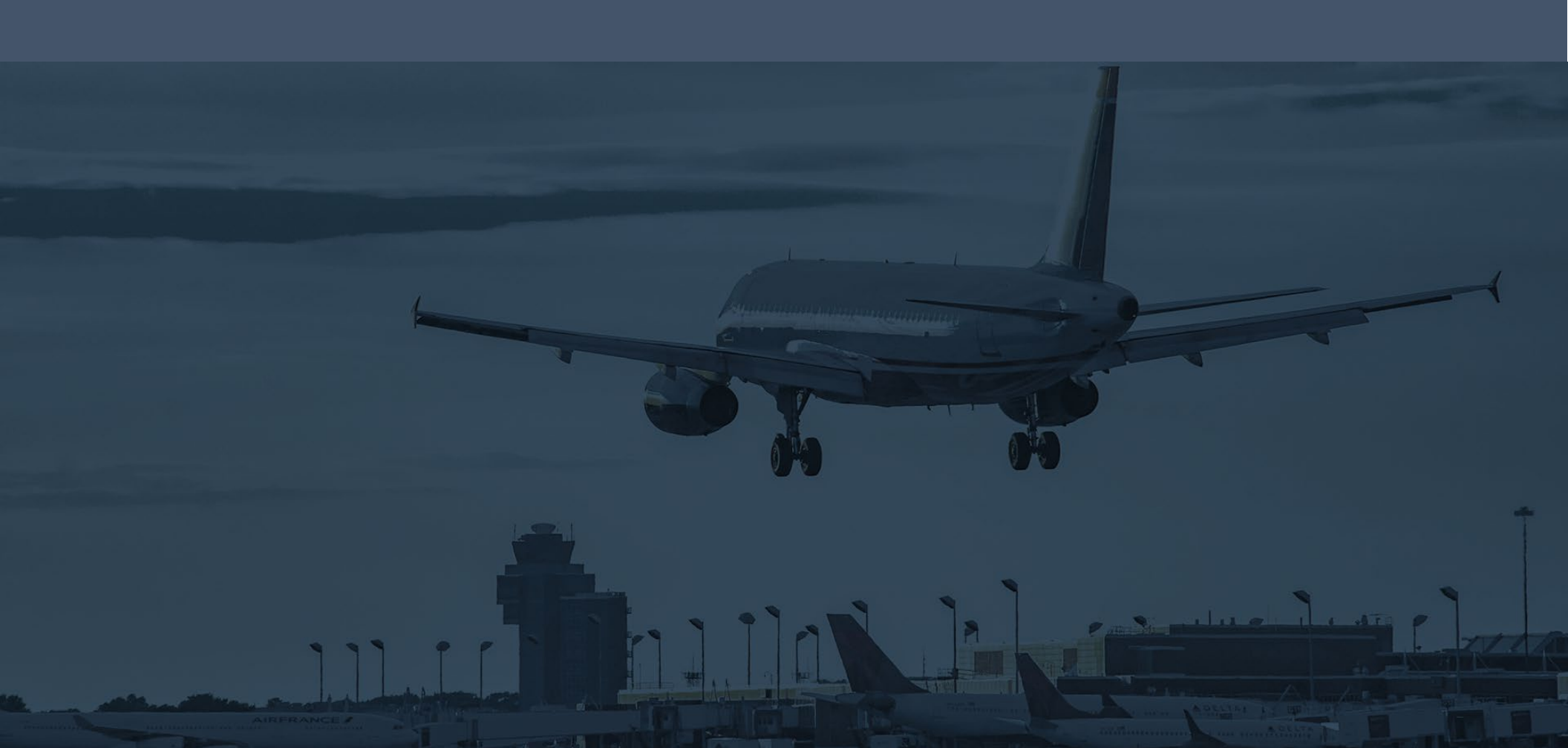
This is a multi-year program to refresh the inventory of card access security readers as they get to end of life, add outdoor biometric readers, add mobile card readers, add other readers as needed throughout the campus, and align card access control with other surveillance technology including IVISN.



PUBLIC SAFETY VIDEO (IVISN) MODERNIZATION

This project will assess, roadmap, and modernize our camera system with AI components.

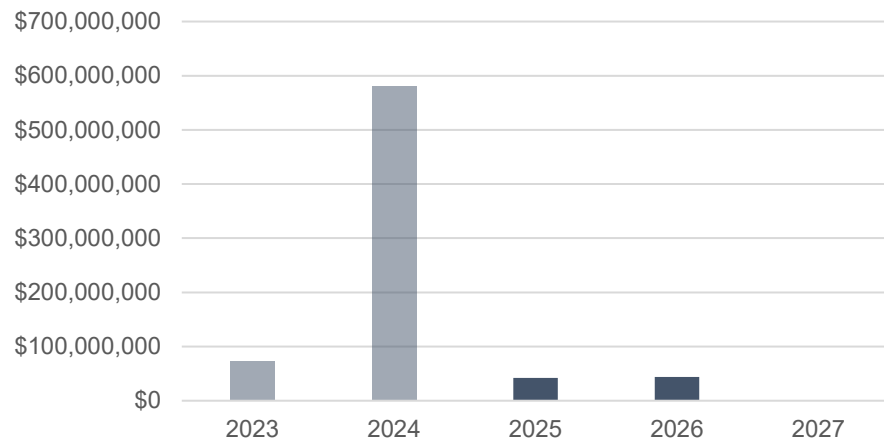




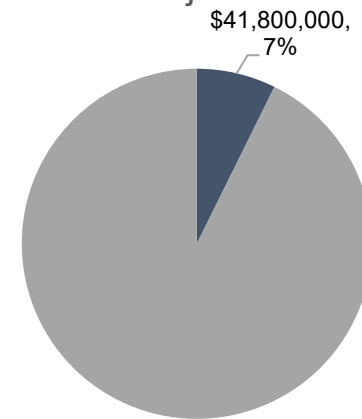
MSP LONG TERM COMPREHENSIVE PLAN PROJECTS

MSP Long Term Comprehensive Plan projects include projects that enhance or expand the airport facilities in order to meet existing or forecasted passenger needs.

MSP Long Term Comprehensive Plan Projects



2025 MSP Long Term Comprehensive Plan Projects

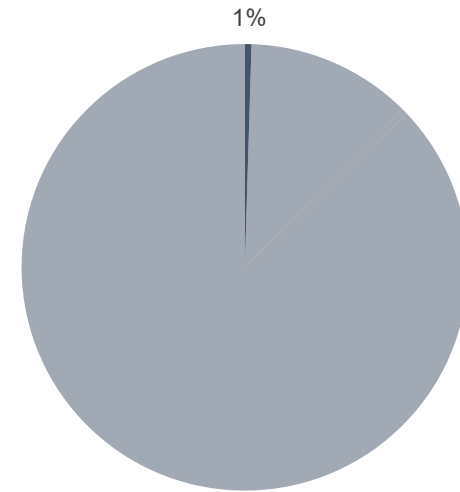


10 – TERMINAL 1

CONCOURSES E AND F ASSESSMENT

This study will document the condition and potential remaining useful life of Concourses E and F.

\$200,000

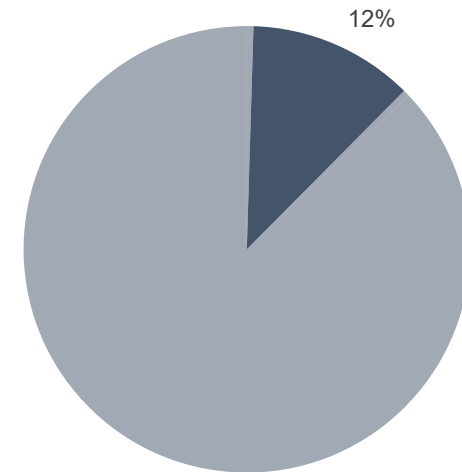


21 – FIELD AND RUNWAY

NAVAID RELOCATION

This project will study the relocation of the Remote Transmitter/Receiver (RTR) as well as the siting/analysis of relocating the ASR-9 (primary RADAR). Coordination with FAA will be included, supporting a reimbursable agreement as needed.

\$5,000,000

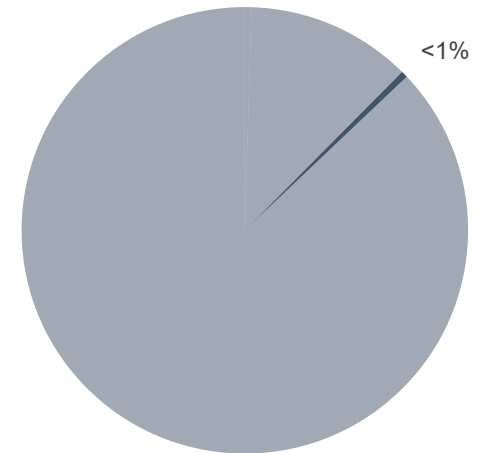


31 – PARKING

PARKING CAPACITY ASSESSMENT

This study will document parking capacity and identify catalysts for additional parking construction.

\$200,000

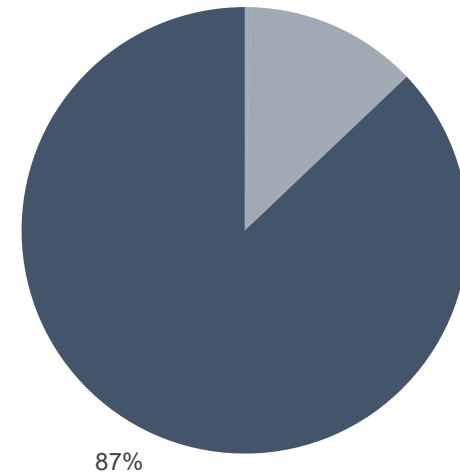


46 – HANGARS AND OTHER BUILDINGS

\$36,400,000

GROUND SERVICE EQUIPMENT (GSE) MAINTENANCE FACILITY

This project will construct a stand-alone facility for lease to third party ground handling operators to maintain and repair ground handling equipment necessary to support ground operations for the airlines. This facility will replace one that no longer meets all tenant needs and obstructs future construction of the south expansion of Terminal 2.

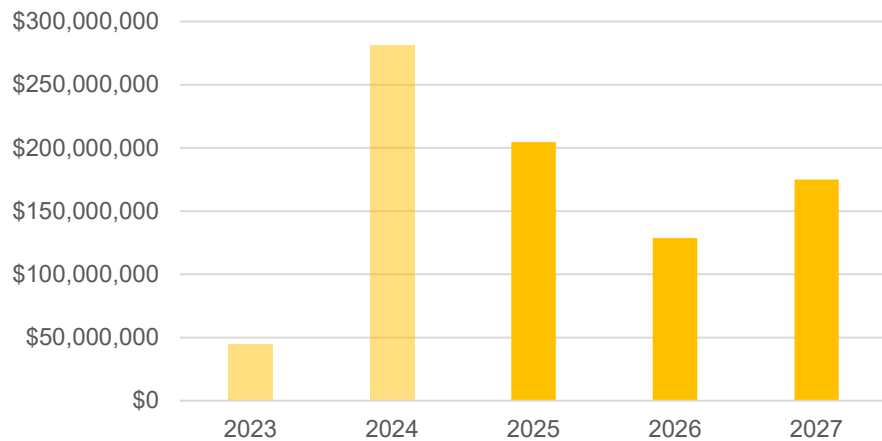




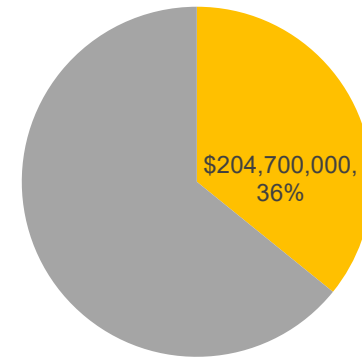
MSP MAINTENANCE/FACILITY UPGRADE PROJECTS

MSP Maintenance/Facility Upgrade projects include those that provide improvements to individual buildings or systems across the campus on a one-time or short-term basis.

MSP Maintenance/Facility Upgrade Projects

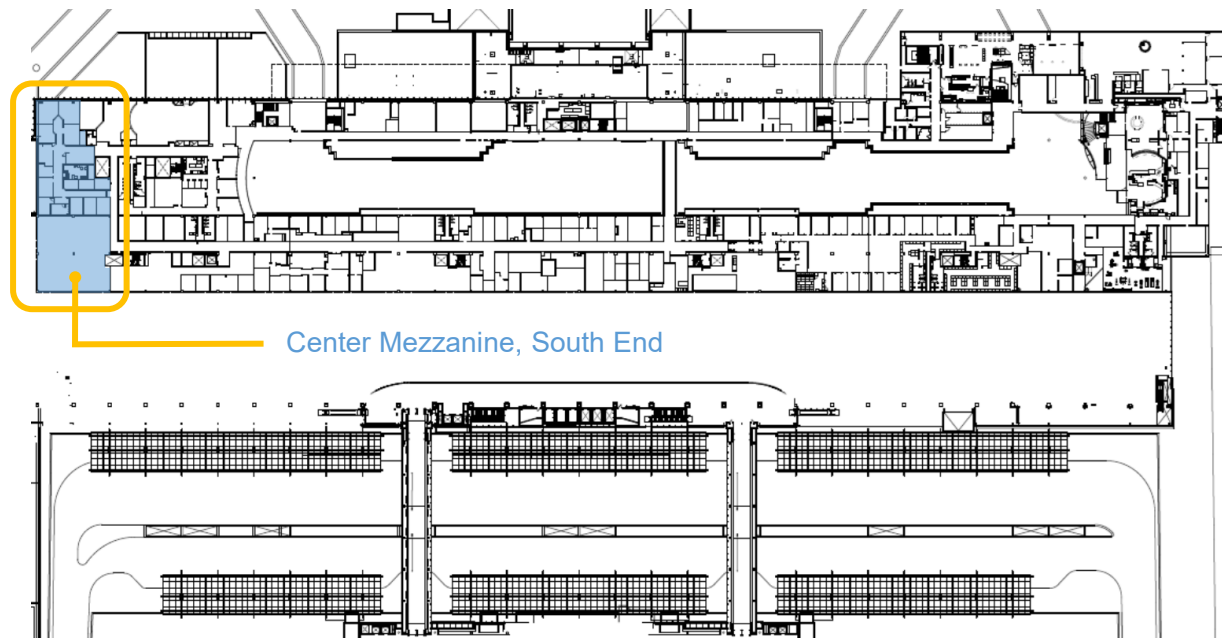
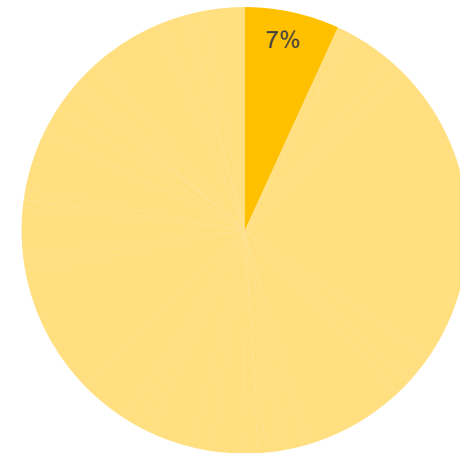


2025 MSP Maintenance/Facility Upgrade Projects



10 – TERMINAL 1**\$14,000,000****ADO OFFICE EXPANSION**

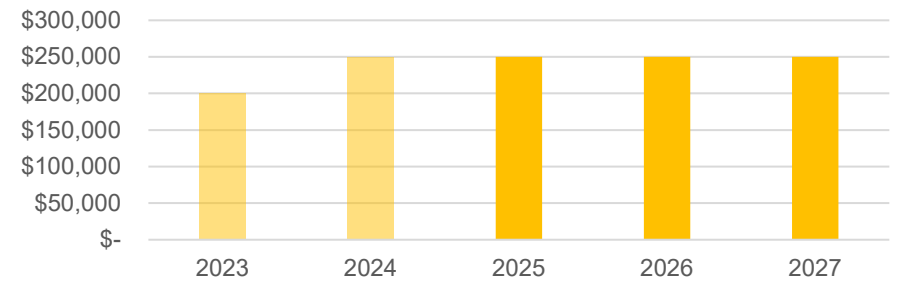
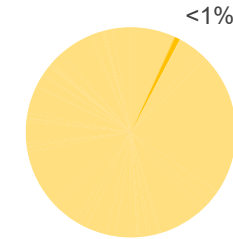
Additional office and meeting space is needed for the Airport Director's Office to function properly. This expansion and remodel will support increasing MAC staffing numbers and changes in workspace needs.



ART DISPLAY AREAS

This program is a continuation of the existing program, in partnership with the MSP Foundation, to provide opportunities and space build out for the display of permanent and temporary/rotating art exhibits.

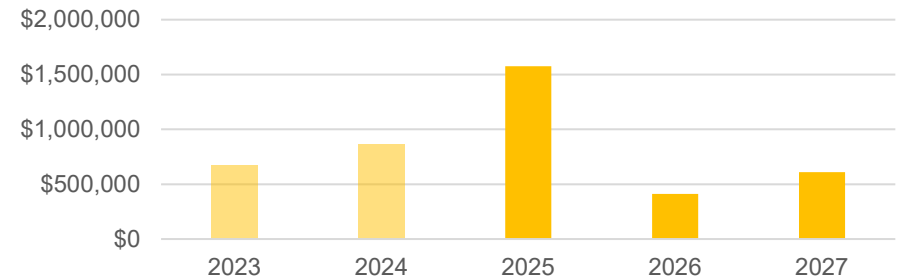
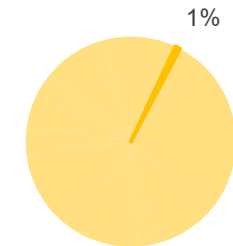
\$250,000



ARTS MASTER PLAN

This program supports procurement of commissioned art and rotating exhibits as part of the Percent for Arts program.

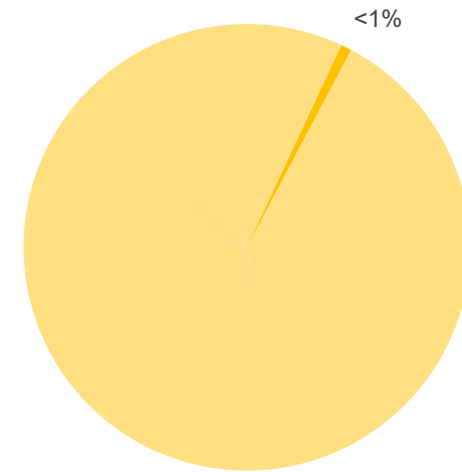
\$1,575,000



COMMISSION CHAMBERS LIGHTING UPGRADES

\$240,000

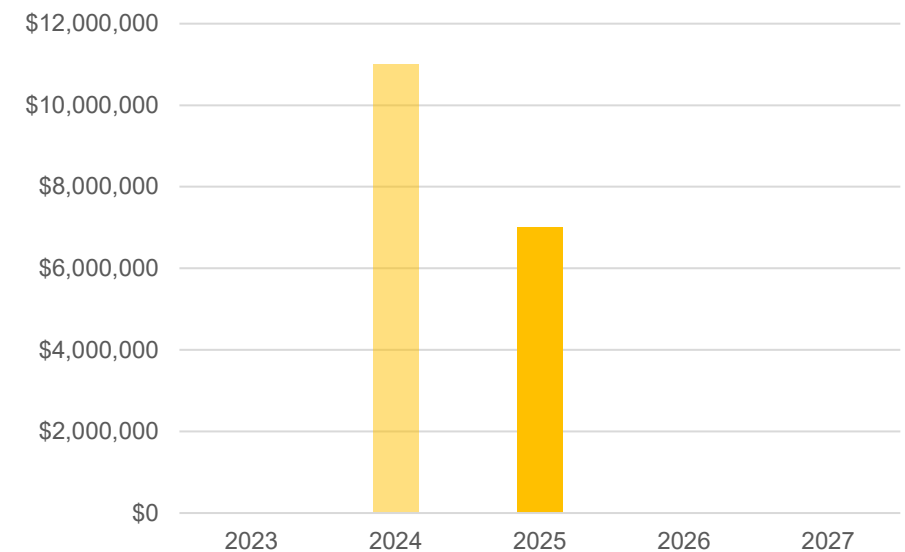
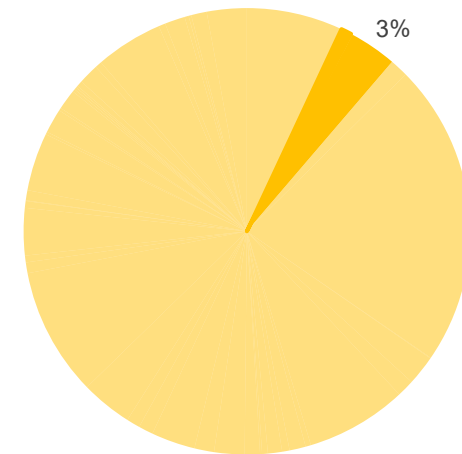
This project will update the lighting control system in the Commission Chambers.



CONCOURSE A HEATING SYSTEM UPGRADE

\$7,000,000

This project is the second of two phases of work to replace the entire heating water system on Concourse A. The new system will include air handling unit fans, heat exchangers, pumps, piping, VAV boxes, and fin tube radiation. All new equipment will have updated controls that connects into IMACS.

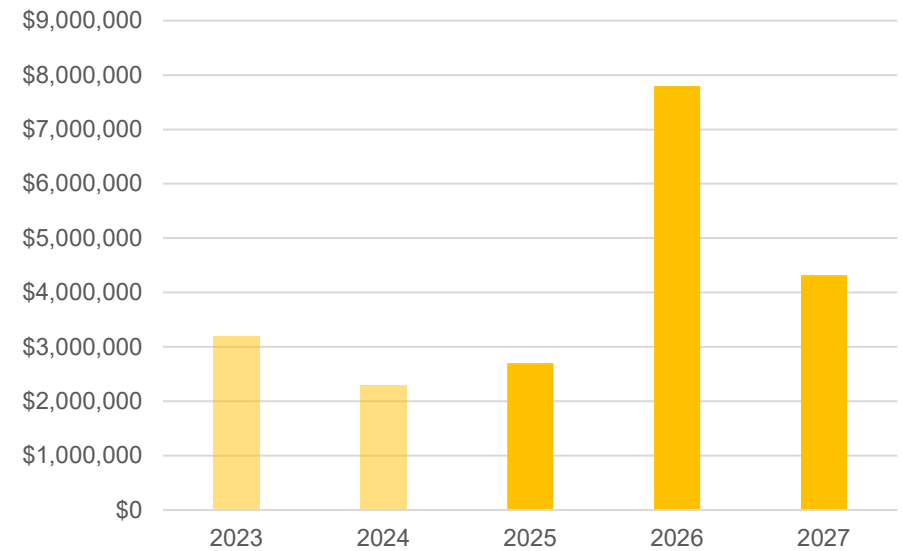
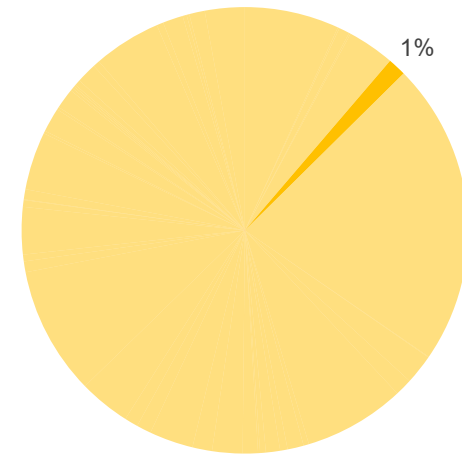


DELIVERY NODE REDEVELOPMENT

MAC's existing node delivery and storage system requires long-term improvements at Terminal 2 and Terminal 1 (Concourses A, C, E, F, and G) to provide for safe and efficient delivery, by the logistics company, to MAC and airport tenants. This program will improve or replace existing nodes with more centralized locations that should include loading docks, elevators where needed, adjacent storage, trash and recycling, etc. The 2025 project is planned to improve the delivery node at Concourse D.

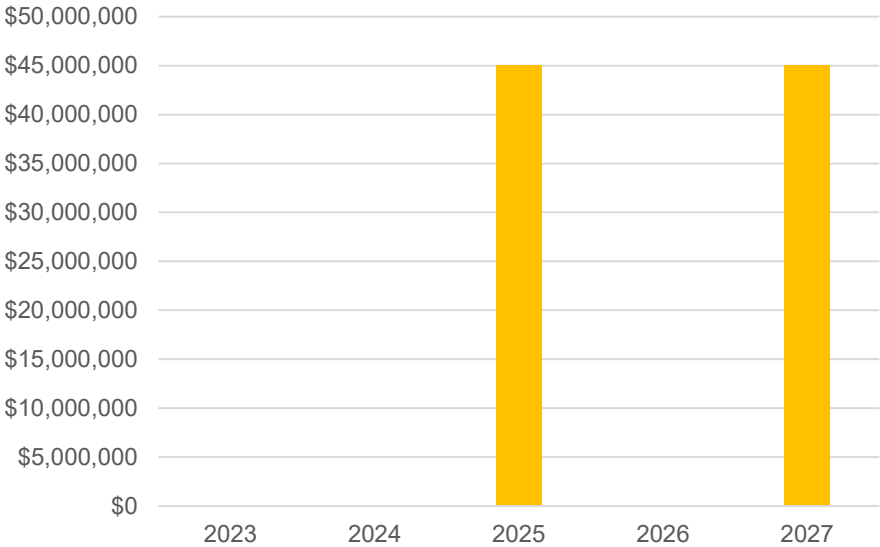
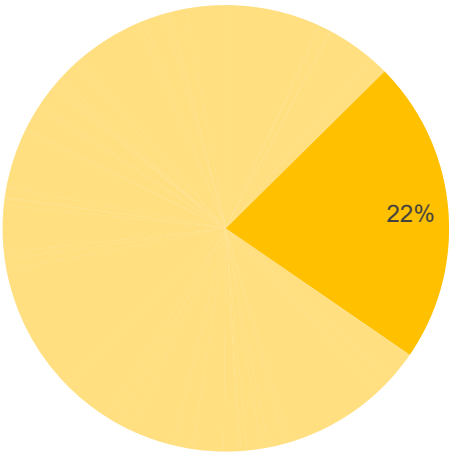
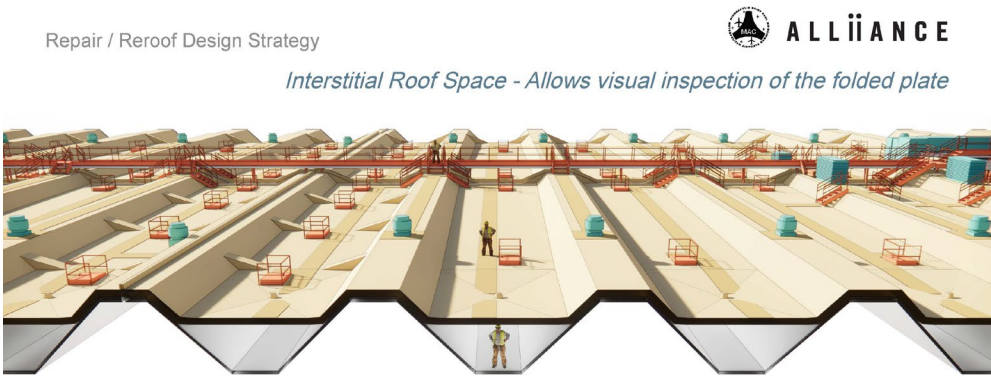


\$2,700,000



FOLDED PLATE SURFACE RECONSTRUCTION

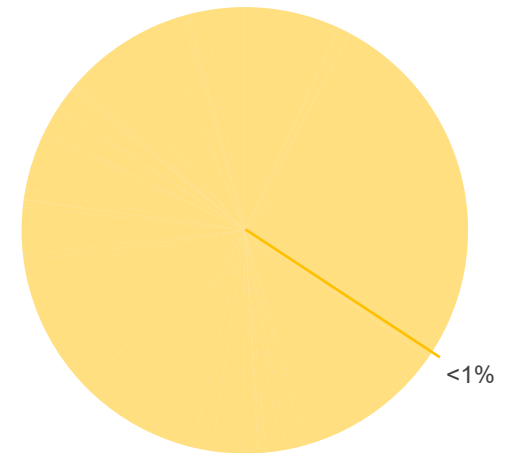
This is the second of three phases to repair and replace the roof assembly on the folded plate roof at Terminal 1.



GOLD/GREEN SKYWAY SAFETY IMPROVEMENTS

\$100,000

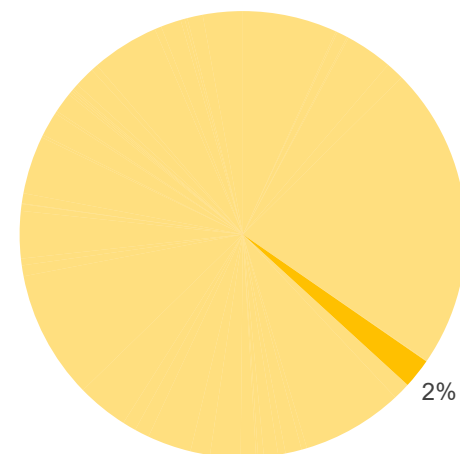
This project will study options to modify the slanted glass of the Green and Gold Skyways to address snow/ice buildup and fall concerns.



LAVATORY BUILDINGS REHABILITATION

\$4,400,000

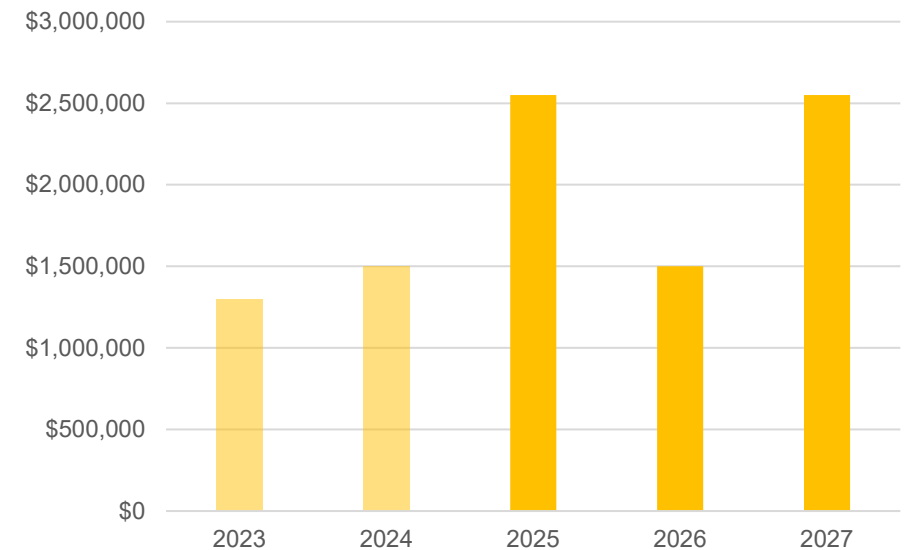
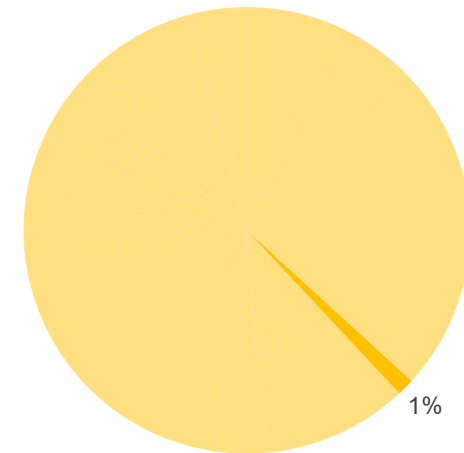
This project will address on-going maintenance issues and aging components of the lavatory buildings at Terminal 1. This project will include a verification and assessment of the structure and roof and make repairs as need. The project will also provide, where needed, new vapor proof LED lighting, IVISN cameras, personnel doors, concrete floor waterproofing, and new triterators. The project will also provide an exterior connection or removal of the Delta glycol tank located inside the G lavatory building. This project will replace the Terminal 1 lavatory building coiling garage doors at G1 and D1 with new high traffic breakaway rubber doors. These doors are designed to break away upon impact which will greatly reduce the long-term repair and replacement costs associated with the existing overhead coiling doors.



LIGHTING INFRASTRUCTURE TECHNOLOGY AND EQUIPMENT (LITE)

\$2,550,000

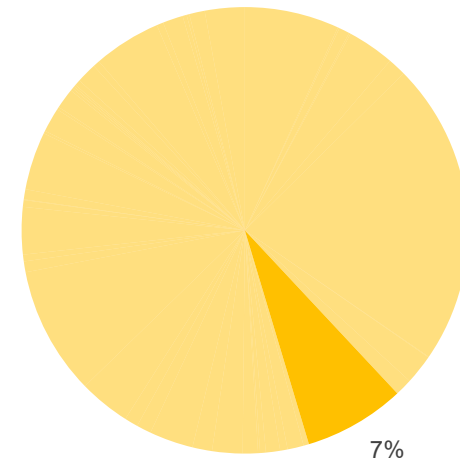
This is a multi-year program that will analyze, assemble, and organize lighting system upgrade recommendations for the MSP campus. Annual investment in lighting infrastructure is necessary to ensure its safe operation, reduce energy and maintenance costs, and to implement technology upgrades to improve lighting quality. Light fixtures age and degrade due to time, heat or exterior elements. Lighting technologies upgrades will also provide for more energy efficient lighting systems.



LRT STATIONS UPDATES

\$15,000,000

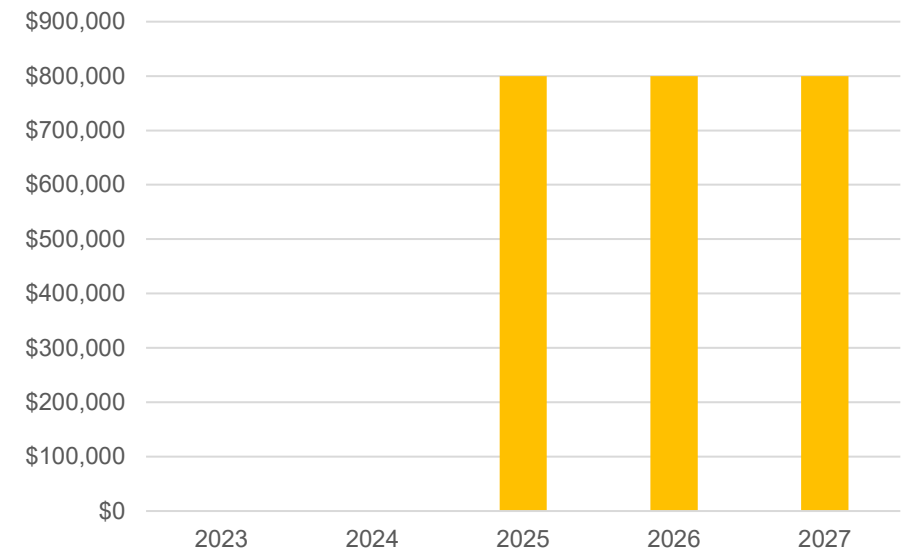
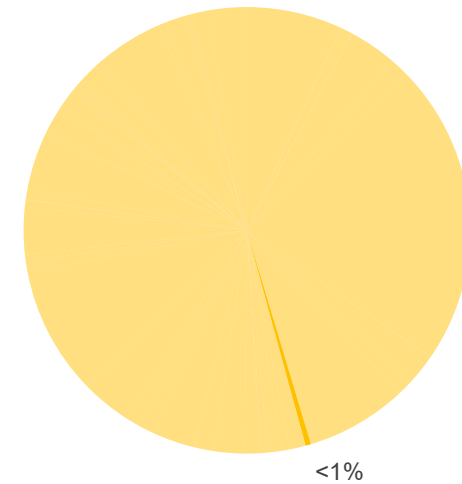
Metro Transit has indicated that they will be replacing the LRT tracks in 2025 and closing the Terminal 1 and Terminal 2 stations during construction. This project will complete deferred maintenance/end of life updates during these station closures. Work will include but not be limited to flooring, lighting, wayfinding, heating, conveyance, equipment removal or repairs, painting, and other work identified by the stakeholders.



MSP COURTESY PHONE UPDATES AND REMOVAL

\$800,000

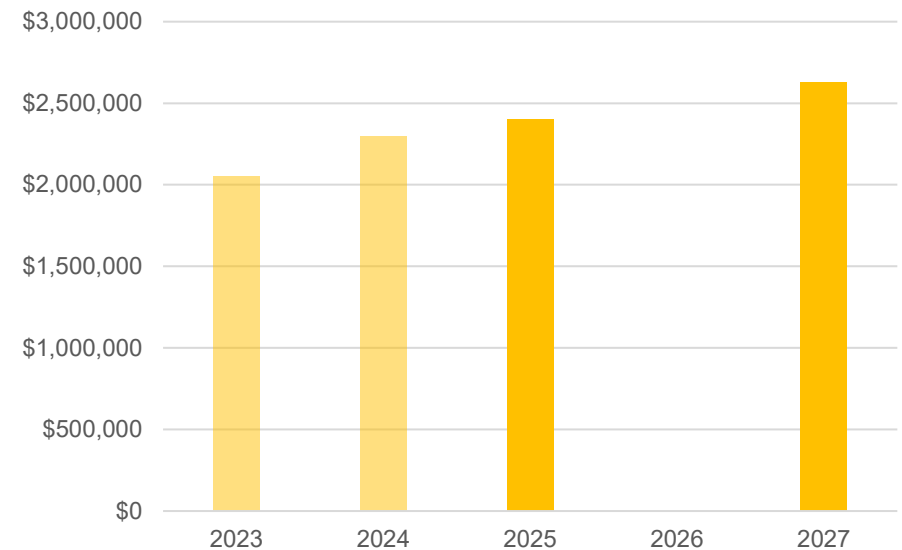
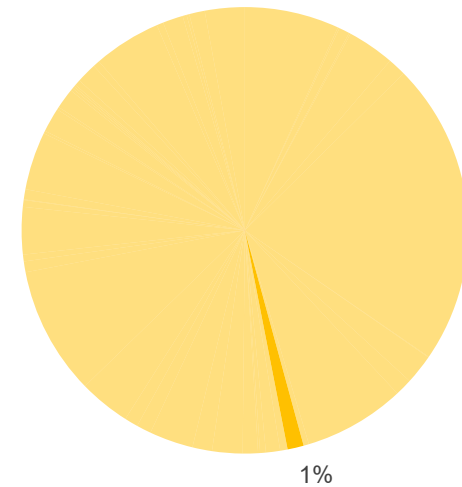
This project will replace courtesy phones with ADA-compliant phones and signage including new lights as needed, consistent with those addressed in the Operational Improvements program. The project will also remove phones deemed unnecessary.



RESTROOM UPGRADE PROGRAM

\$2,400,000

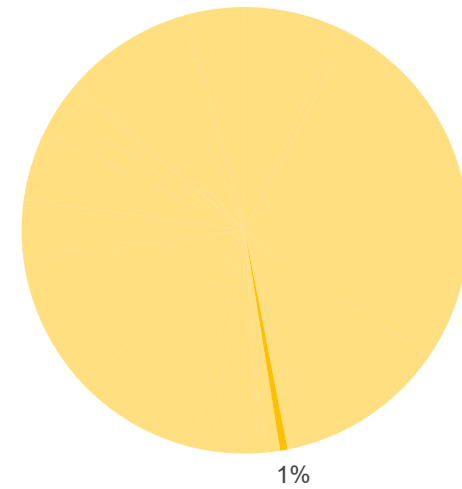
A study of all restrooms in Terminal 1 was completed in 2010 and a program developed to upgrade/modernize the restrooms at Terminal 1. From this study, each restroom was prioritized based on its condition. This program provides for the phased modernization of the Terminal 1 restrooms to include upgraded finishes, lighting, air quality, energy saving upgrades, and ADA compliance. The 2025 phase of the program is planned to address restroom upgrades in the Ground Transportation Center.



SKY CLUB REPAIRS AND IMPROVEMENTS

\$1,100,000

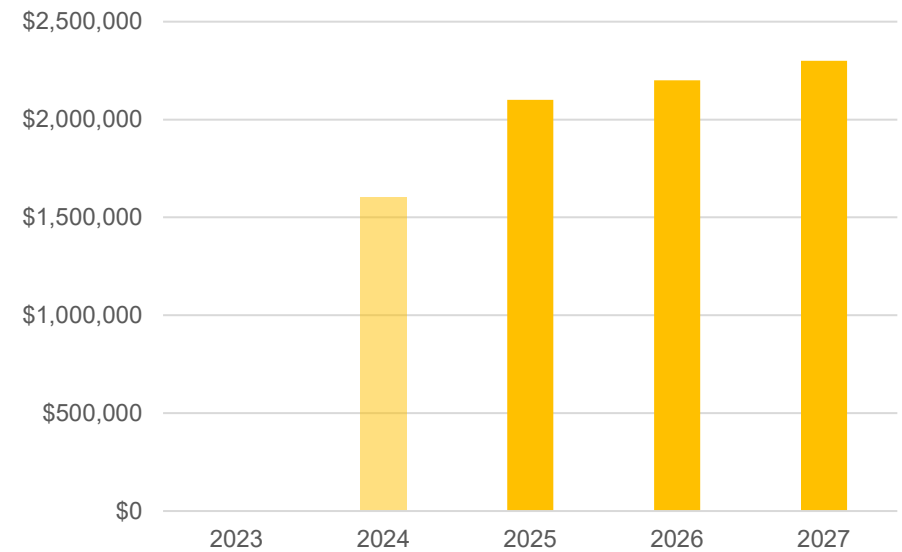
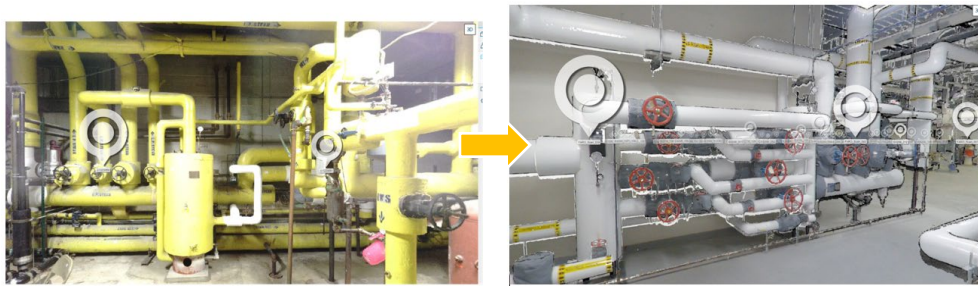
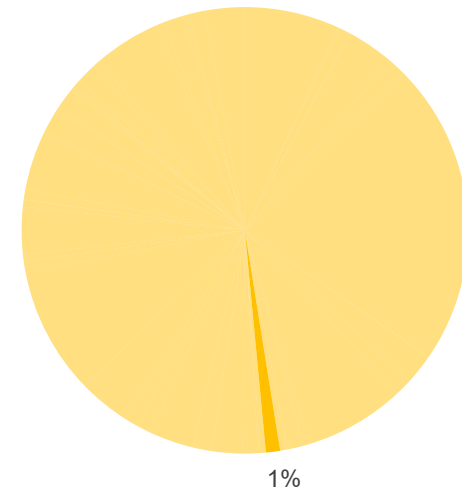
This project will study, identify and address the numerous leaks that have occurred at the Sky Club windows, the south side exterior curtain wall, and identify a system to prevent snow from falling on the transfer bag belt located on the exterior of the building.



STEAM SYSTEM UPGRADE PROGRAM

This program will replace steam pressure reducing stations that are near or past the end of their useful life. The program will also replace heat exchangers in two mechanical rooms and replace valves in the boiler fuel system piping.

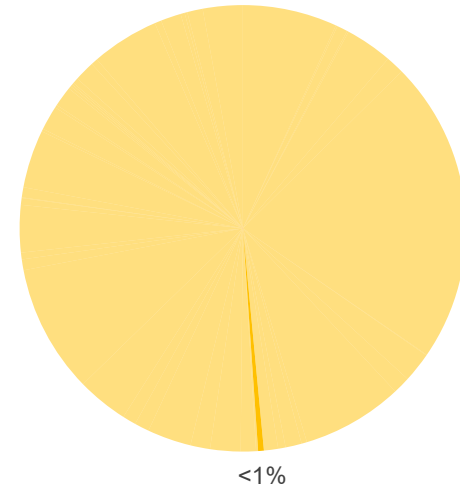
\$2,100,000



TERMINAL 1 INFORMATION BOOTH REPLACEMENTS

\$850,000

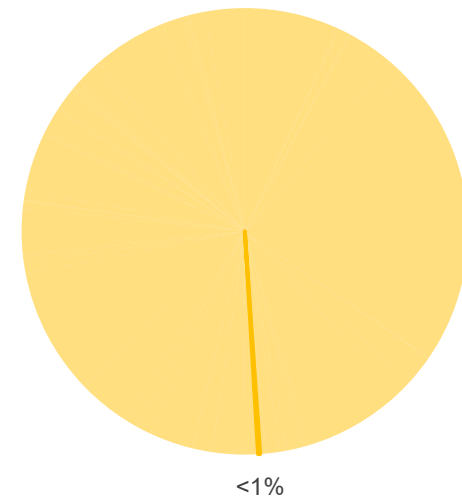
Replacement of seven existing information booths with six new booths at Terminal 1 and one at Terminal 2, including assisted listening systems and other IT improvements.



TERMINAL 1 SAND DUMP STATION

\$300,000

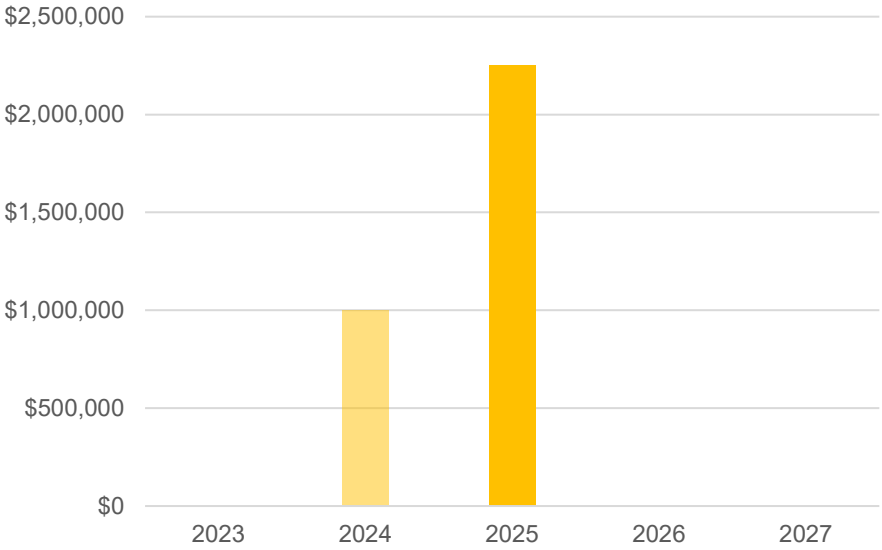
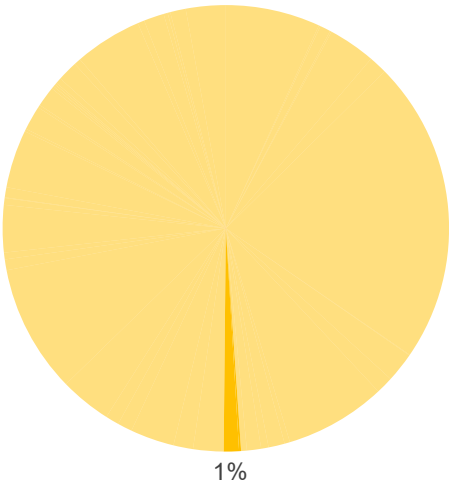
The project adds facilities for MAC and tenants to properly dispose of sand collected from tug drives and airside roadways.



TERMINAL 1 TRAM MAINTENANCE

The project will provide replacement parts and maintenance for the concourse and hub tram systems to extend their useful life.

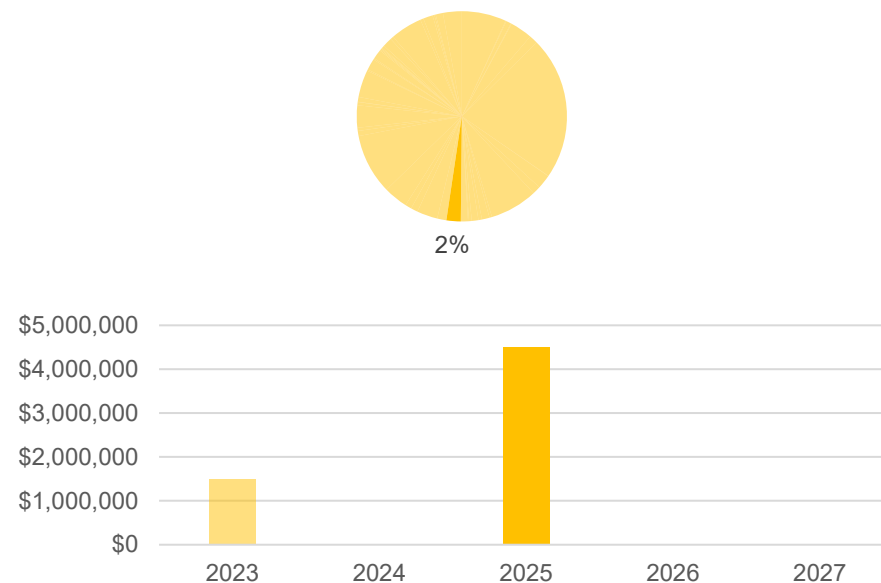
\$2,250,000



TERMINAL 1 TUG DRIVE HEATER REPLACEMENT

\$4,500,000

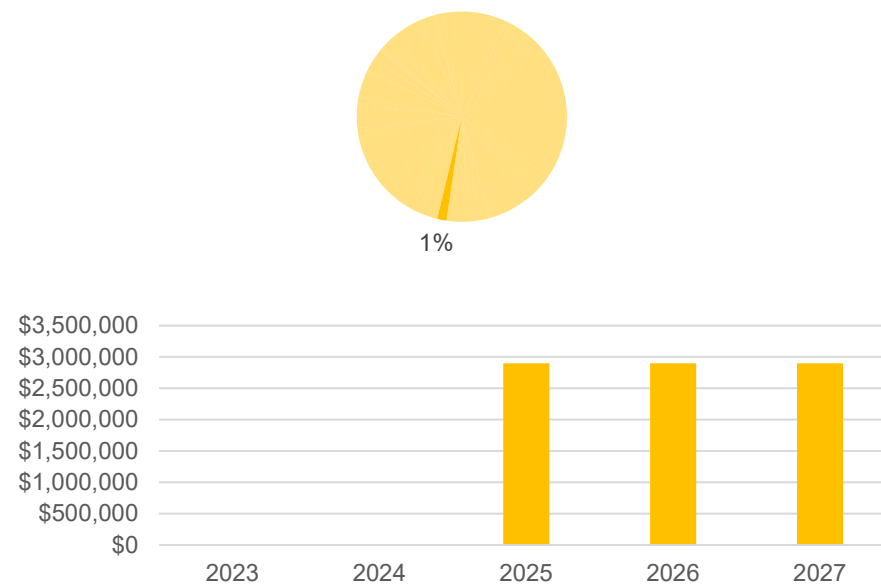
This project will replace all existing Terminal 1 tug drive steam unit heaters with hot water unit heaters.



TERMINAL 1 TUG DRIVE WATERPROOFING

\$2,900,000

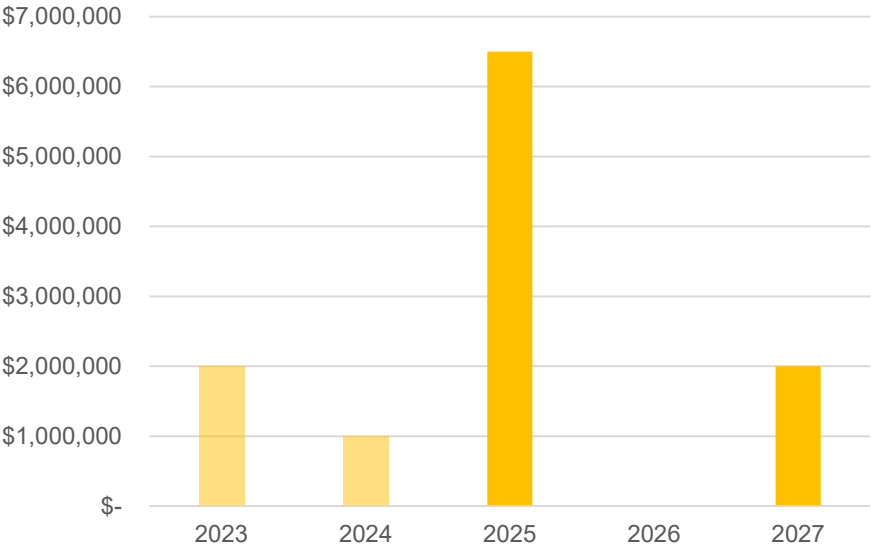
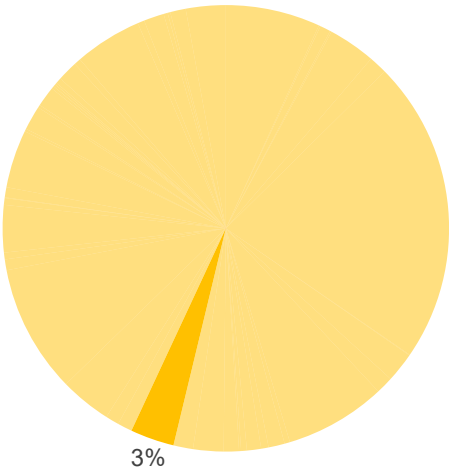
The Terminal 1 tug drive was last sealed and waterproofed in 2007-2010. Concrete waterproofing typically has a 10-year lifespan and needs to be redone in order to minimize water infiltration into the structure and lower-level spaces. This project would waterproof the concrete for the entire tug drive area located above basement level spaces.



WAYFINDING SIGN REPLACEMENT

\$6,500,000

Wayfinding is a critical customer service piece of our passenger's experience at MSP. Existing wayfinding signs are outdated, provide information no longer relevant, or are no longer illuminated. This program replaces the failed cold-cathode illumination with LED backlit signs as it is not practical or cost effective to repair them. This program updates sign information, locations, and provides new illuminated signs and/or digital signs where needed at Terminal 1 and Terminal 2 and supports repair that exceeds routine maintenance budgets. The 2025 phase will also support improvements to the Tram wayfinding and address terminal naming consistency.

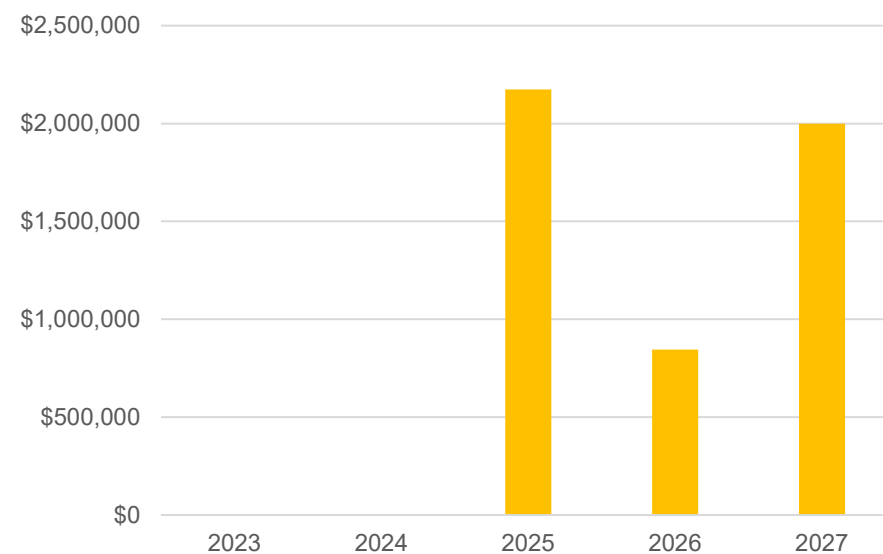
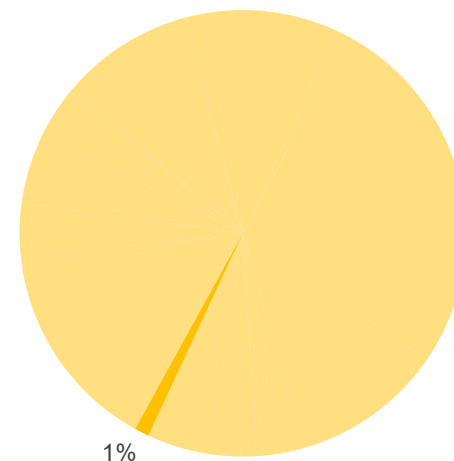


12 – FEDERAL INSPECTION STATION (FIS)

\$2,175,000

FIS FACILITY UPGRADES

The FIS Facility Upgrades project is a multi-year project to bring the FIS facilities in Terminal 1 and Terminal 2 up to the ATDS standards and other required improvements as prescribed by CBP.

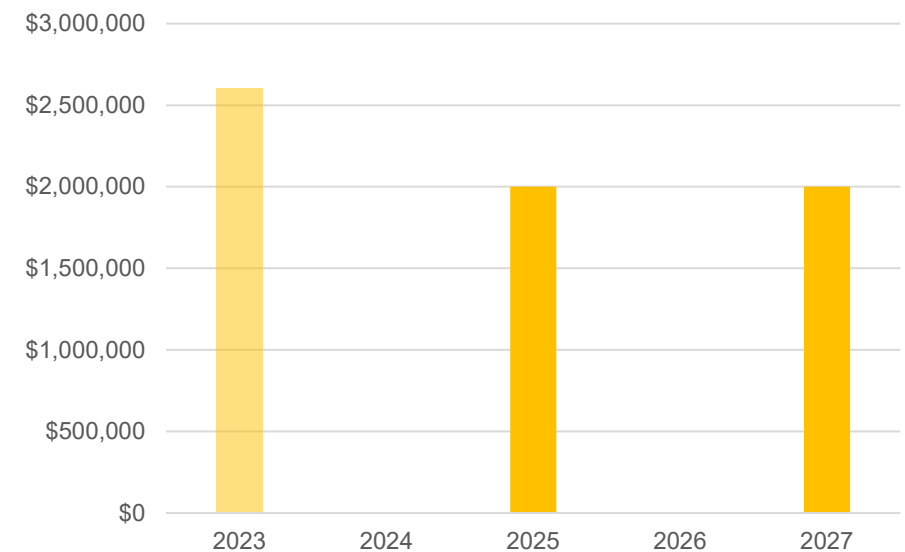
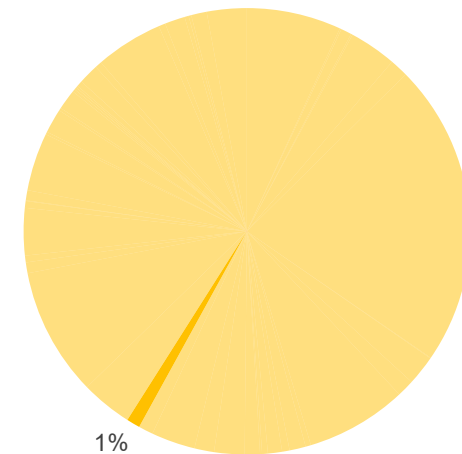


13 – ENERGY MANAGEMENT CENTER

ENERGY SAVINGS PROGRAM

The 2025 phase of the Energy Savings Program includes the introduction of heat-pump technology to transfer 'waste heat' being generated by electrical rooms into 'usable heat' for domestic hot water on C-Concourse and heating water systems in the Silver Ramp. Additional energy savings will be found in upgrades to existing lighting systems on G-Concourse and air handling units on C-Concourse.

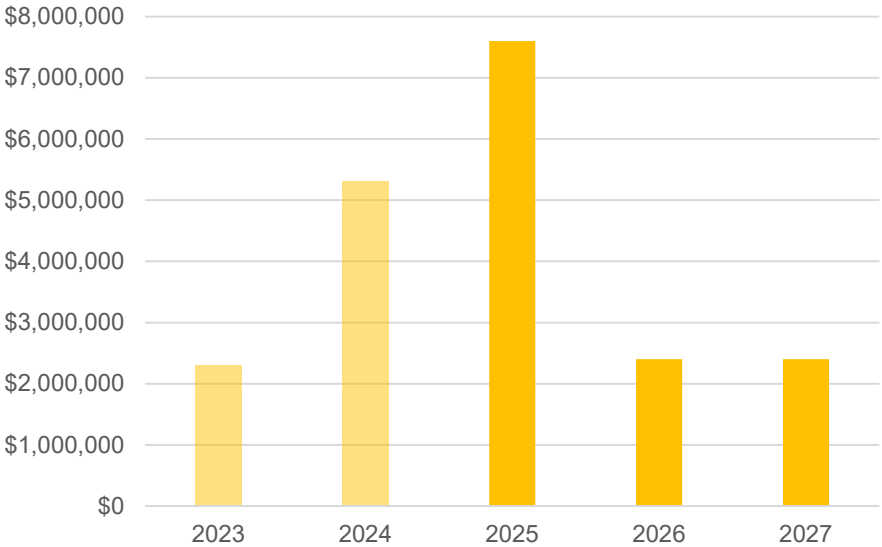
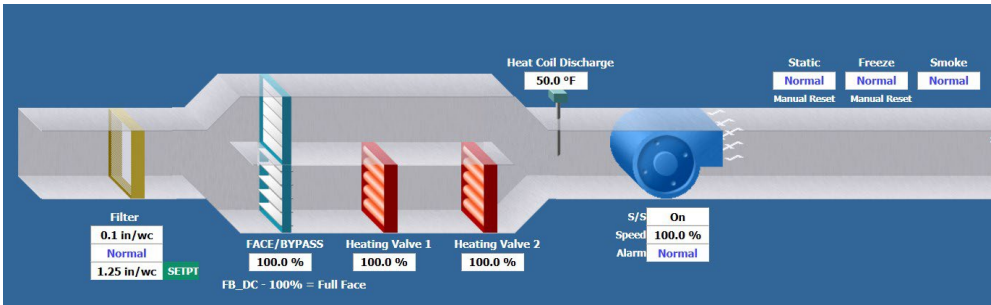
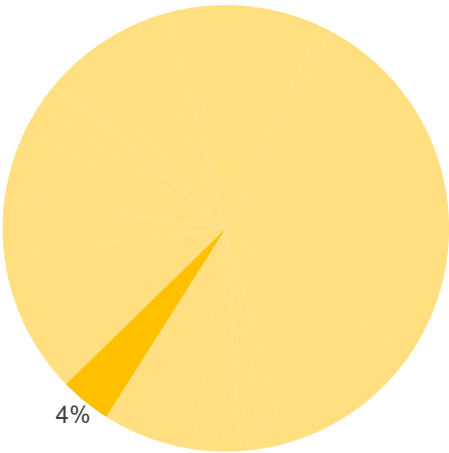
\$2,000,000



MAC AUTOMATION INFRASTRUCTURE PROGRAM

\$7,600,000

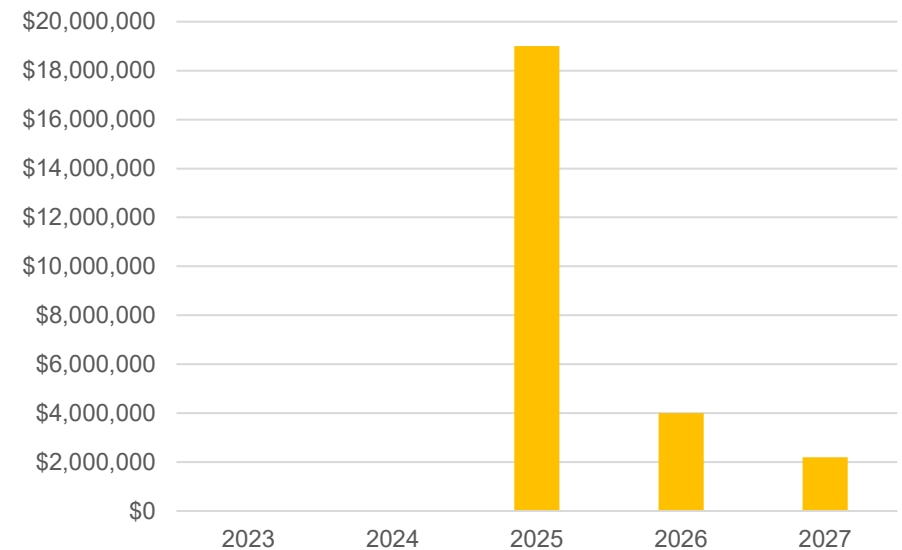
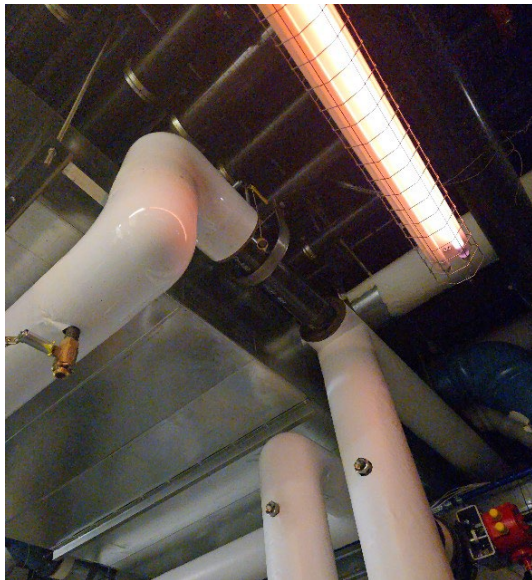
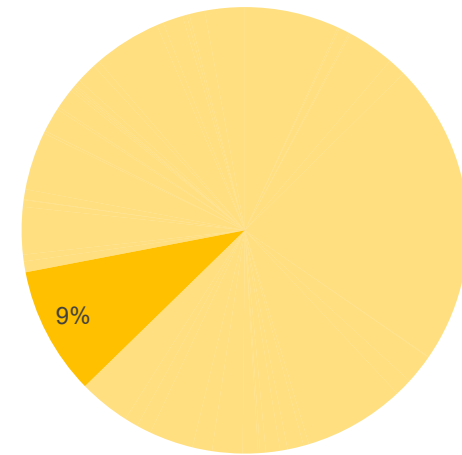
This is a continuation of a multi-year program to upgrade all MAC building automation systems to an open architecture protocol so that MAC can bid maintenance and construction contracts more competitively. This project will replace sole-source controllers such as Siemens and Legacy Honeywell with controllers from Honeywell, Circon, Distech, and TAC systems that are LonMark certified products.



VICTAULIC PIPING REPLACEMENT

\$19,000,000

This phase of a multi-year program will replace the victaulic piping and valves in Terminal 2. While victaulic pipe fittings allow for the pipe to be quickly and easily disassembled when needed, it has been discovered that the joints cause leaking because the seals shrink when they cool due to shut downs and service disruptions which occur frequently at MSP and then don't hold tight when the system is restored to normal operation. In addition, this year's effort will support efficiency upgrades to the systems at Terminal 2 as part of the North Expansion project.

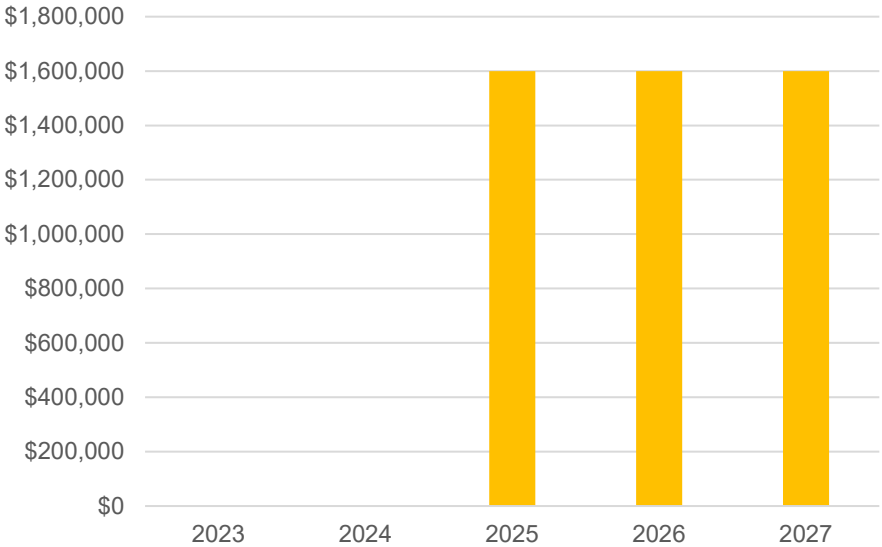
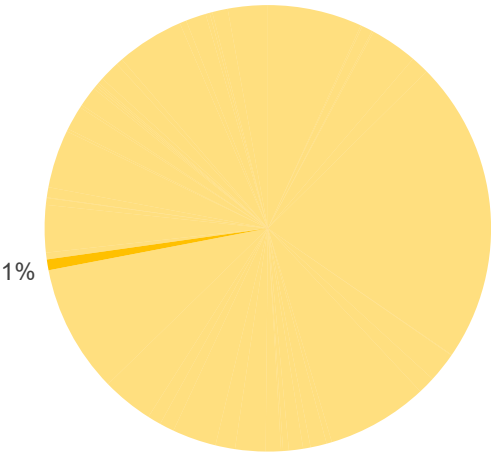


21 – FIELD AND RUNWAY

\$1,600,000

AIRFIELD THERMOPLASTIC MARKINGS

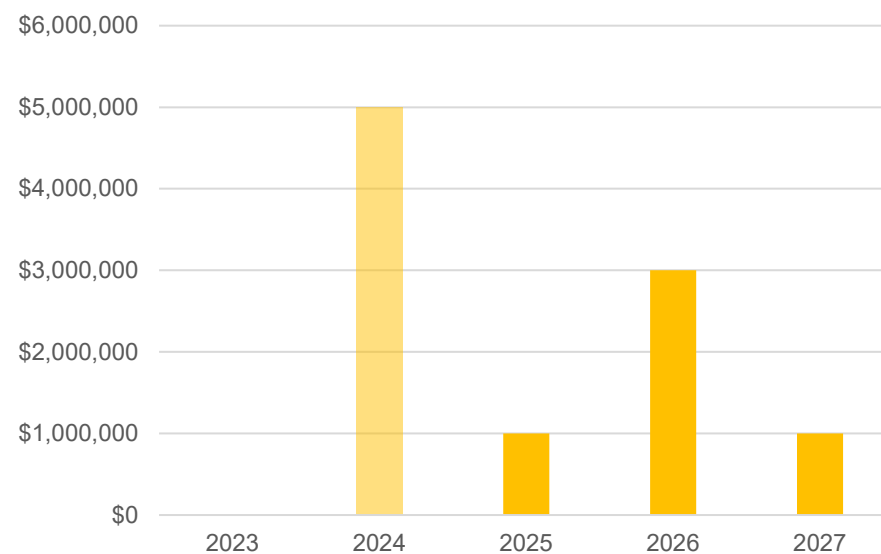
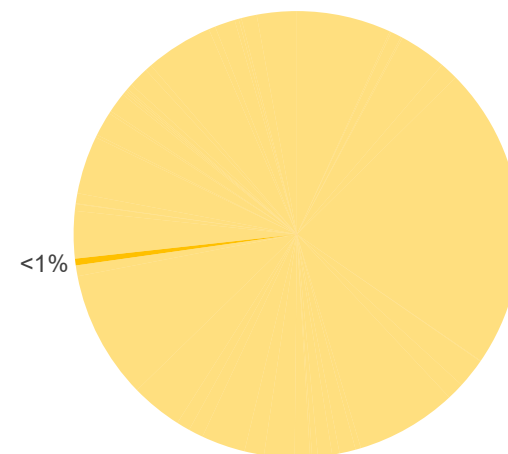
Following a successful pilot installation of thermoplastic markings, this program will install thermoplastic markings at complex taxiway/runway intersections. 2025 is the first of five planned phases of this work.



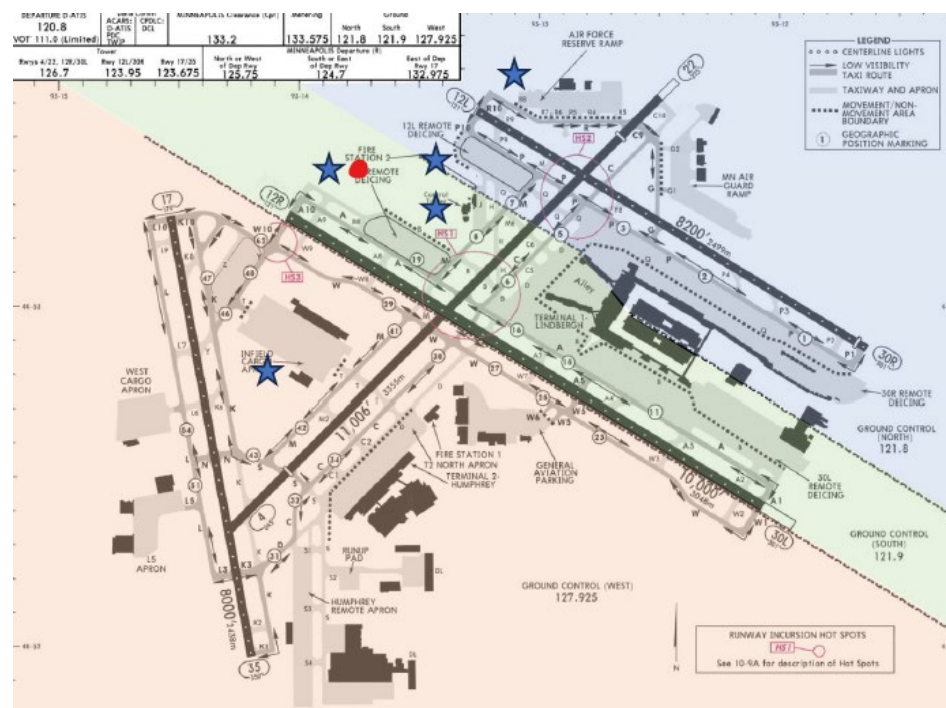
APRON LIGHTING LED UPGRADE

\$1,000,000

This project will replace the older apron lighting units with more efficient LED fixtures. The 2025 phase will focus on Concourses A and B.



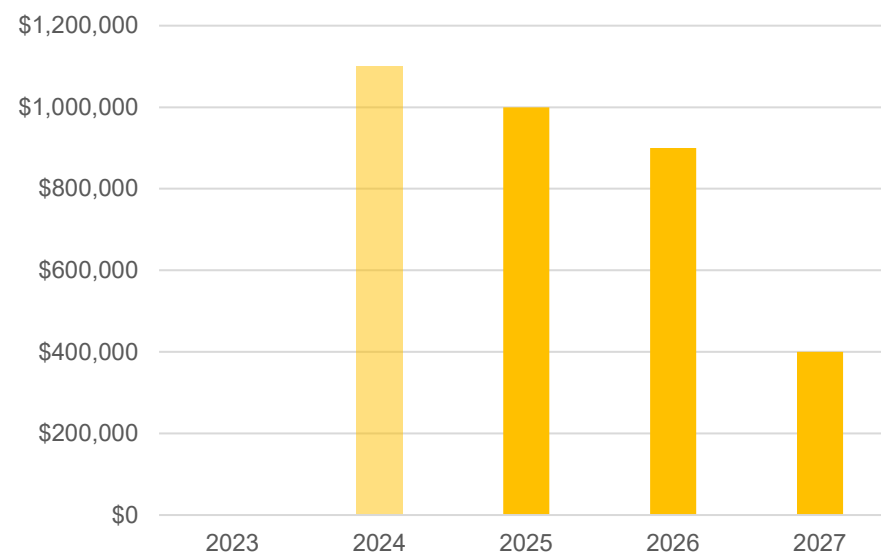
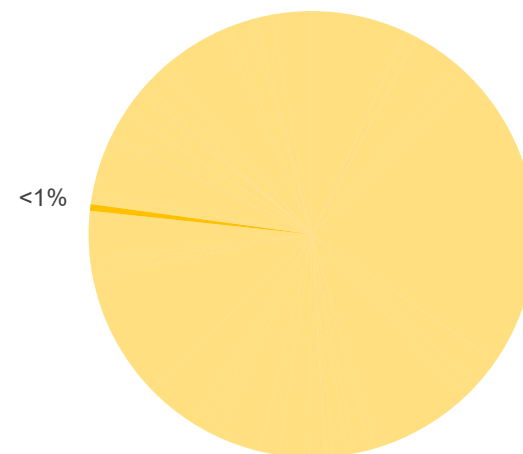
Delta Air Lines has requested increased precision approach capabilities to Runway 04 and has agreed that installation of a Ground Based Augmentation System (GBAS) would help address the need. Due to a long-standing contract between MAC and Honeywell that grew out of a research and development partnership, MAC will receive the ground station and Remote Satellite Measurement Units (RMSU) at a discount.



TUNNEL LIGHTING LED UPGRADE

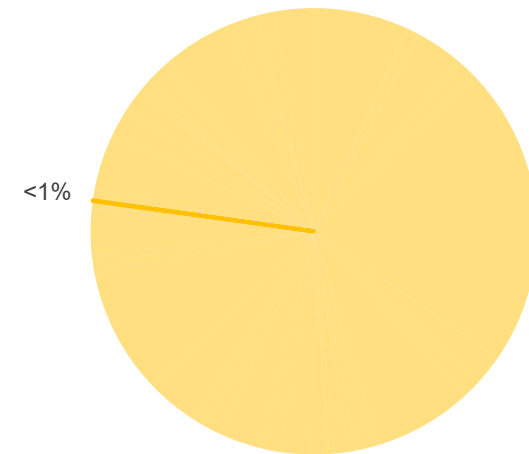
\$1,000,000

This program will replace existing high intensity discharge type lighting with LED to save energy and reduce maintenance.



26 – TERMINAL ROADS/LANDSIDE**\$100,000****TERMINAL 2 CELL PHONE LOT STUDY**

Traffic delays due to curbside queueing at Terminal 2 have dramatically increased during the past year. This trend can be expected to continue as Terminal 2 continues to expand gate space, airlines, and capacity. Many customers report being unaware of the existing cell phone lot on Post Road, or they perceive it as too far from Terminal 2. This study will evaluate options to address these needs.

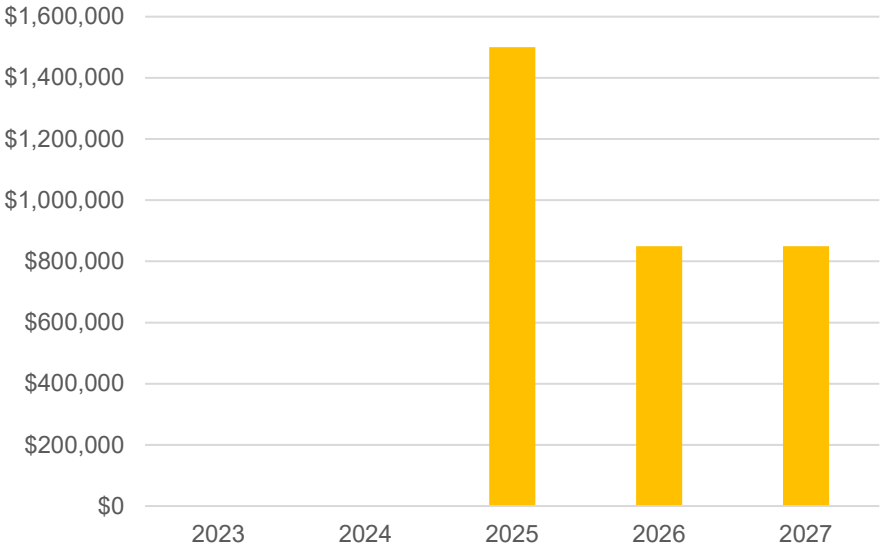
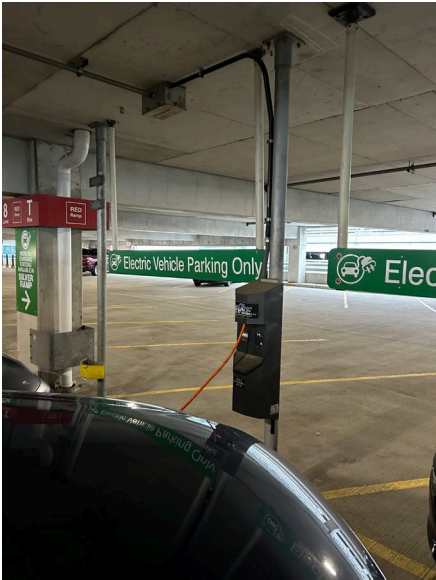
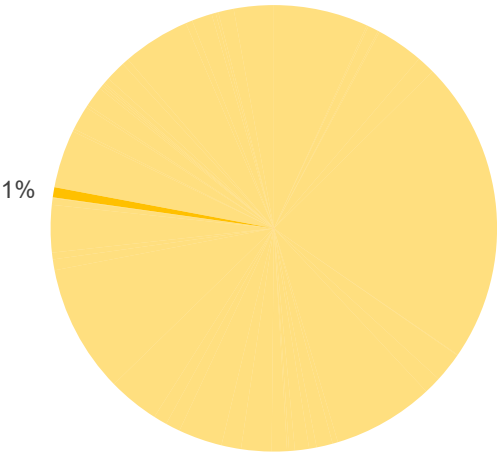


31 – PARKING

\$1,500,000

ELECTRIC VEHICLE CHARGING NETWORK EXPANSION

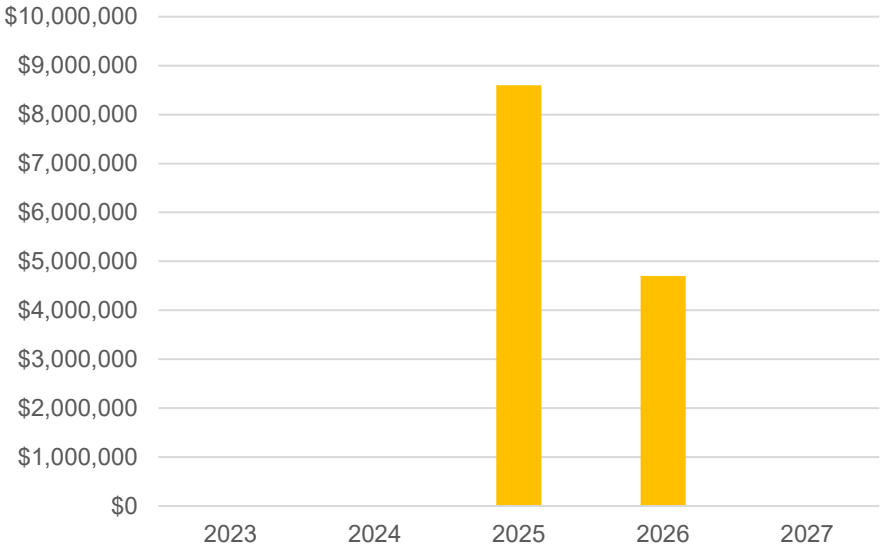
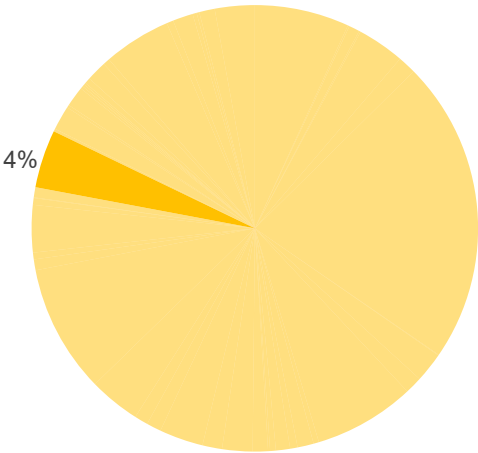
This is the first of a six-year program to install electric vehicle chargers to meet passenger and employee demand and support MAC’s sustainability goals.



PARKING GUIDANCE SYSTEM

\$8,600,000

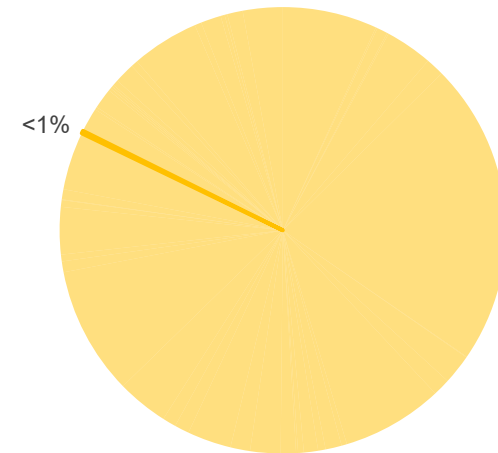
This project will install parking stall availability indicators in MAC's parking ramps.



TERMINAL 2 LANDSIDE OFFICE REMODEL

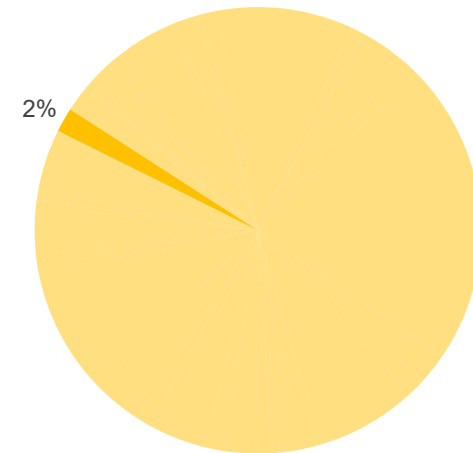
\$400,000

This project will remodel the Landside Office in the Terminal 2 Parking Management Office to support increased demand for TNC Driver Permits as well as taxi and commercial vehicle permits.



36 – TERMINAL 2**\$3,600,000****RAMP INFORMATION DISPLAY SYSTEM (RIDS)**

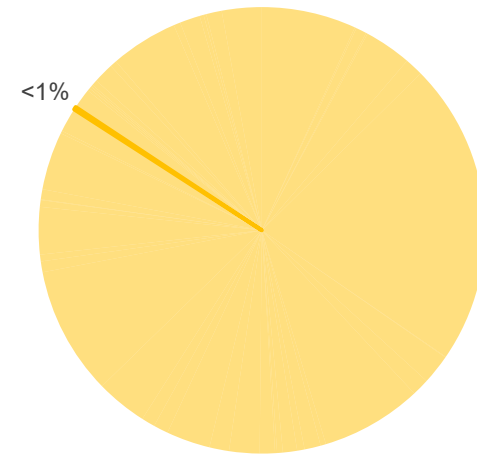
This project will provide Ramp Information Display System (RIDS) including aircraft parking assistance at Terminal 2 gates not included in the Terminal 2 North Expansion scope. The system will be integrated with MAC's Resource Management System (RMS).



TERMINAL 2 BAGGAGE HANDLING SYSTEM

\$410,000

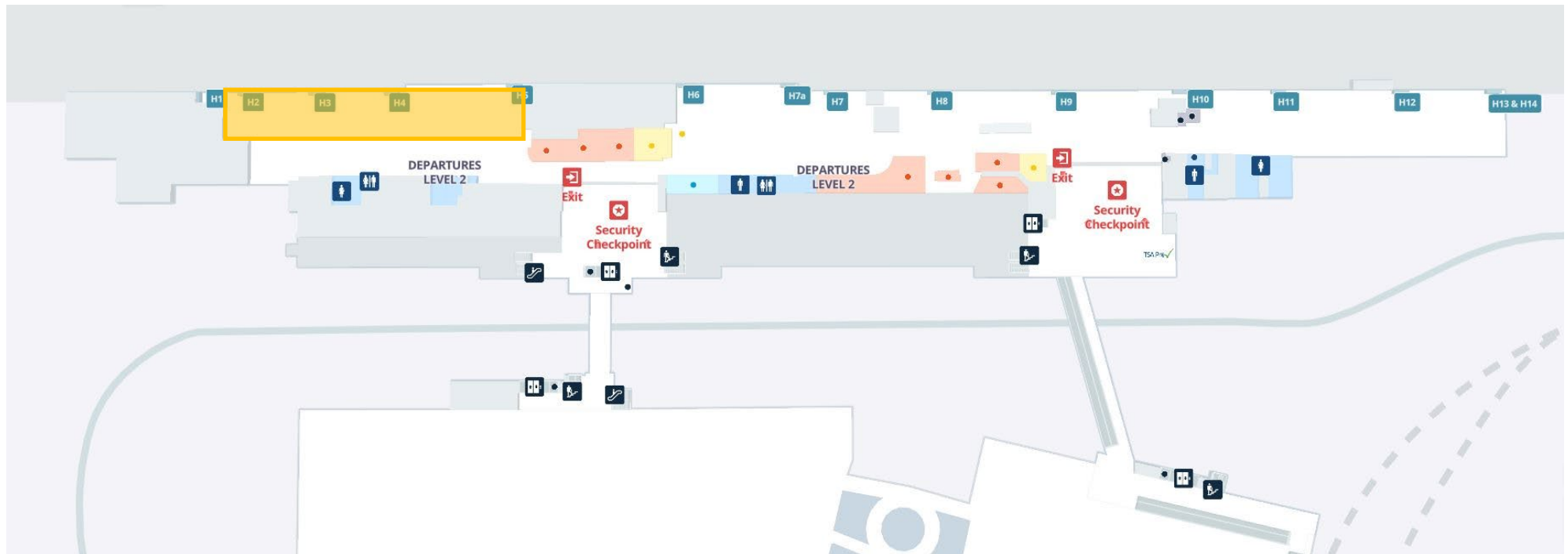
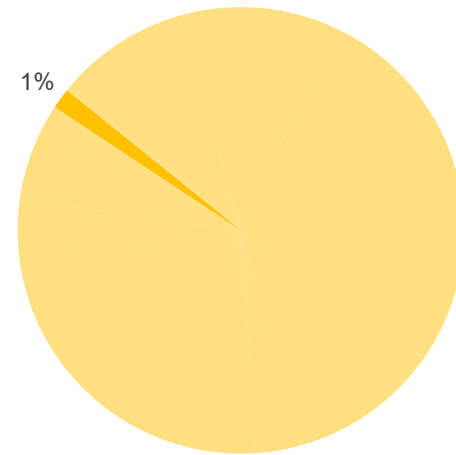
This project will provide touch screen activation to provide functionality consistent with Terminal 1 and carousel refurbishment as needed.



TERMINAL 2 GATE AREA IMPROVEMENTS

\$3,000,000

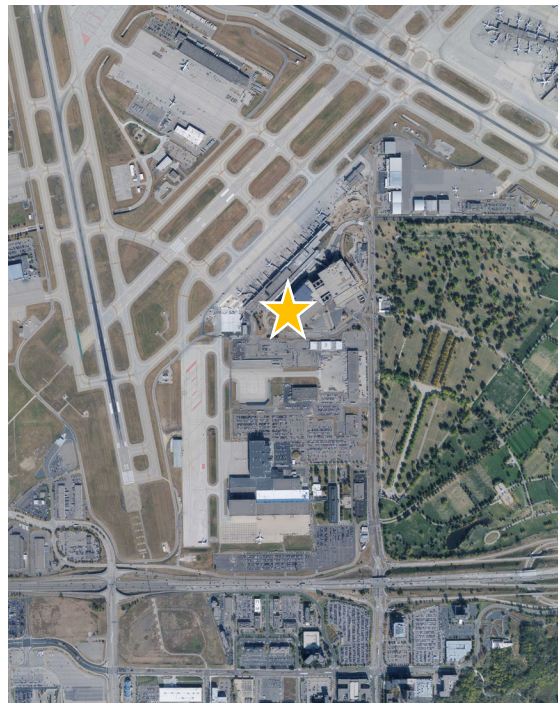
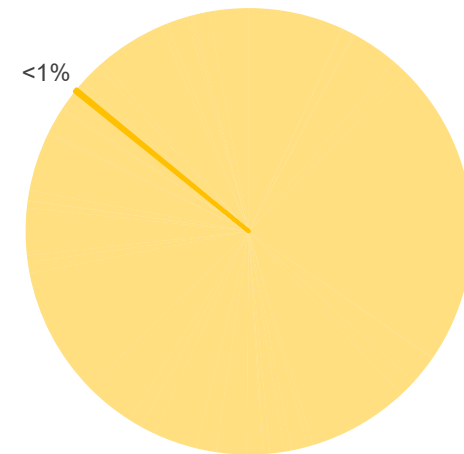
This project will conclude the multi-year recarpeting program, replacing end of life carpeting at gates H1-5 and on the passenger boarding bridges. The project will also provide gate area improvements, including replacement of gate desks and podiums, and seating with charging ports.



TERMINAL 2 GROUND TRANSPORTATION WAITING AREA EXPANSION

\$400,000

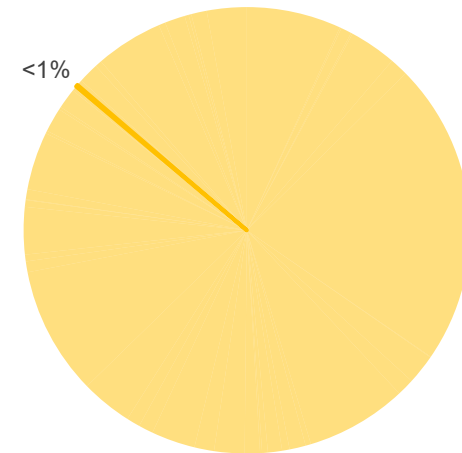
This project will expand the TNC and shuttle customer waiting area in the Terminal 2 Ground Transportation Center.



TERMINAL 2 MUFIDS/EVIDS MILLWORK UPGRADES

\$350,000

This project will replace old MUFIDS display stands to current MAC standard design.

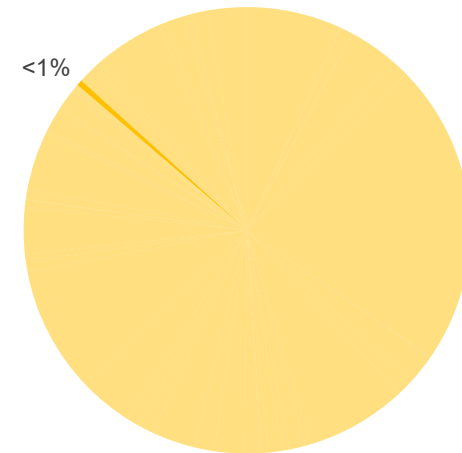


46 – HANGARS AND OTHER BUILDINGS

\$300,000

CAMPUS OUT BUILDING STUDY

This project will assess non-terminal buildings on the MSP campus and will include verifying existing mechanical, electrical, plumbing, HVAC and building envelope systems and any deferred maintenance needed. This study will aid in developing future CIP projects and/ or programs and develop information for building asset management. This study will also inform sustainability and resiliency goals to identify energy savings and emissions reductions.

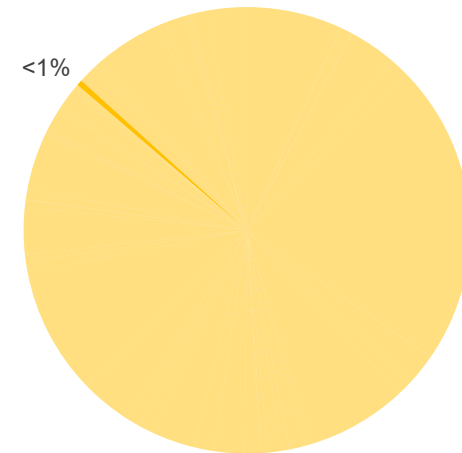


56 – TRADES/MAINTENANCE BUILDINGS

FALL HAZARD MITIGATION

This project study will survey the MAC campus and reliever airports to identify areas that are out of compliance with OSHA's requirements for fall protection in general industry (29 CFR 1910 Subpart D - Walking and Working Surfaces). Areas to be surveyed include: unprotected roof edges, openings in walls and mezzanines, manholes, fixed ladders greater than 24 feet, and fixed ladders with cages. This will inform planning of future phases of mitigation if necessary.

\$100,000

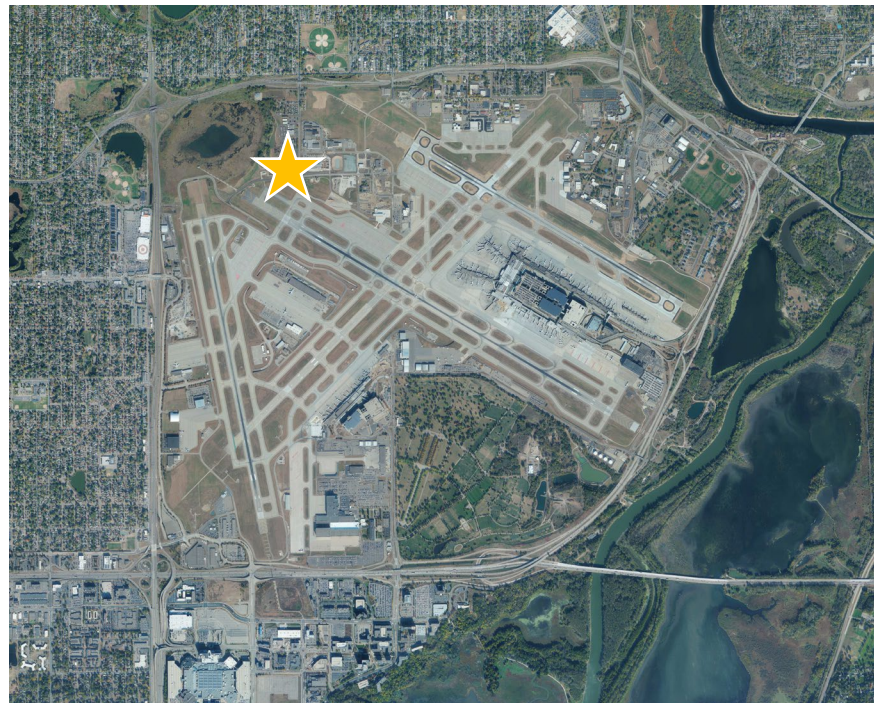
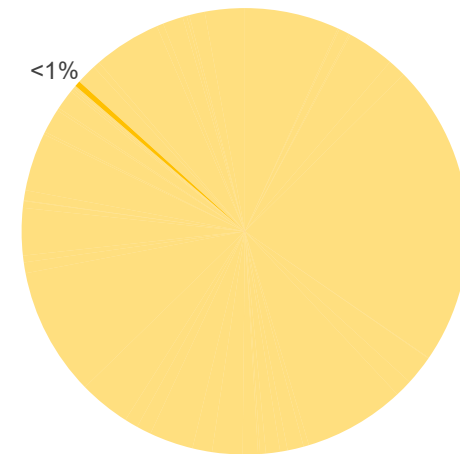


63 – POLICE

\$850,000

CRITICAL INFRASTRUCTURE FENCING

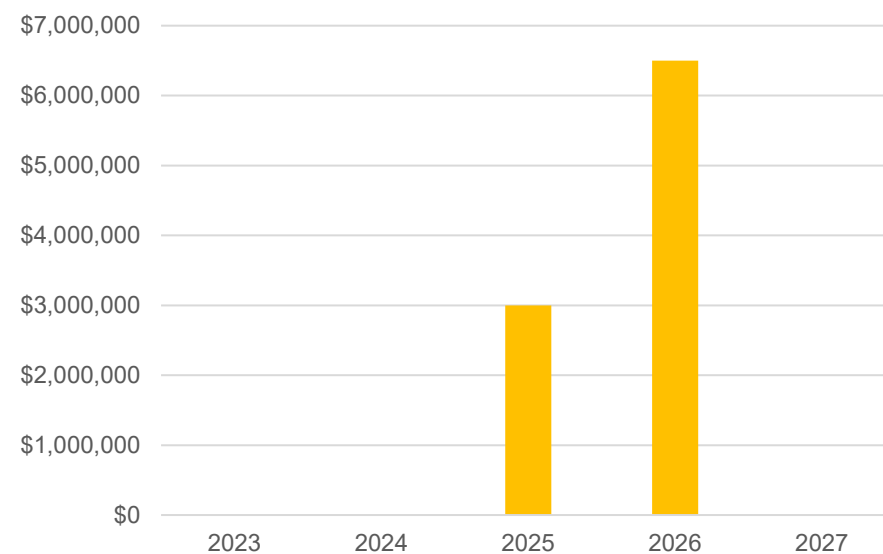
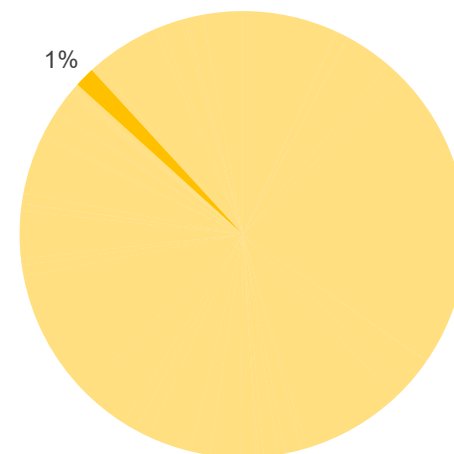
Install permanent security fencing North of Now Boarding and West of the FAA Building and the MAC General Office Building to run parallel with 28th Avenue until it connects with the Air Operations Area (AOA) Perimeter Security Fencing near Gate 405.



PERIMETER GATE SECURITY IMPROVEMENTS

\$3,000,000

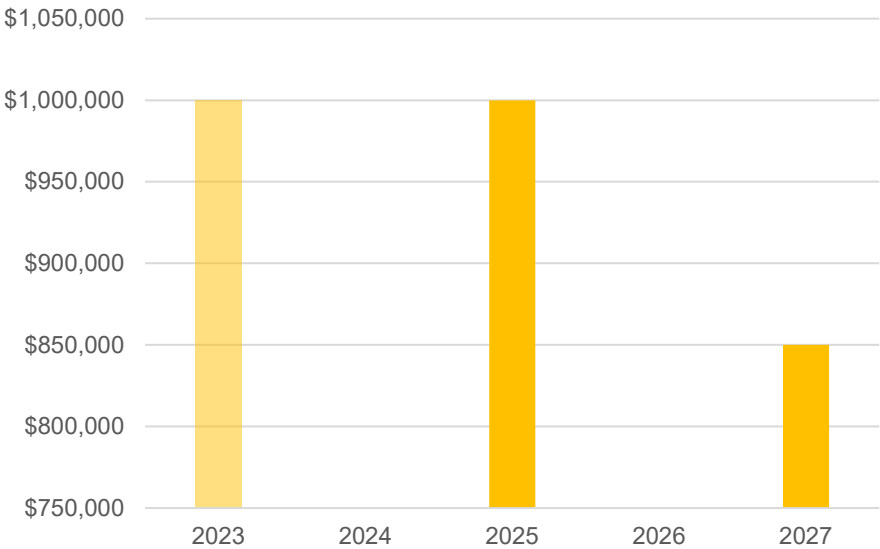
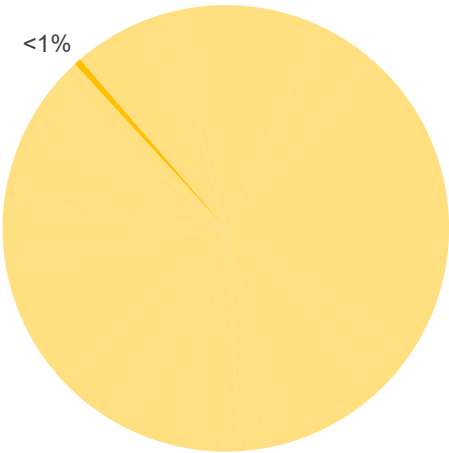
The 2025 project will provide additional vehicle lanes at Gate 269 to improve throughput without compromising security.



PUBLIC SAFETY MODIFICATIONS

This program enhances the safety of the MSP campus through door hardware, signage, security controls, and other equipment to provide for egress requirements, code compliance, security conformity, and emergency responder access.

\$1,000,000

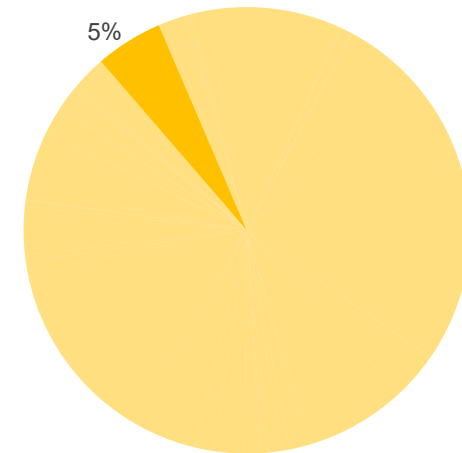


66 – FIRE

\$10,000,000

FIRE PROTECTION SYSTEMS UPGRADES

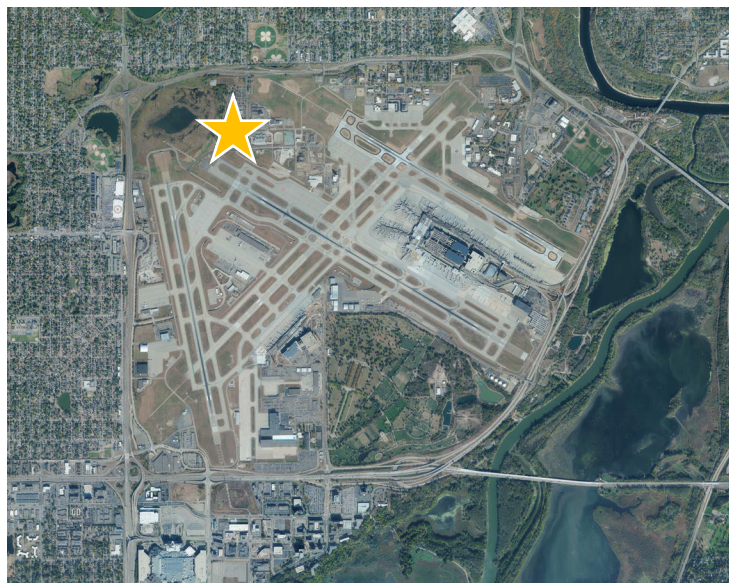
This is the first of a multi-year program to upgrade fire alarm and water-based fire protection systems and associated components on the MSP campus.



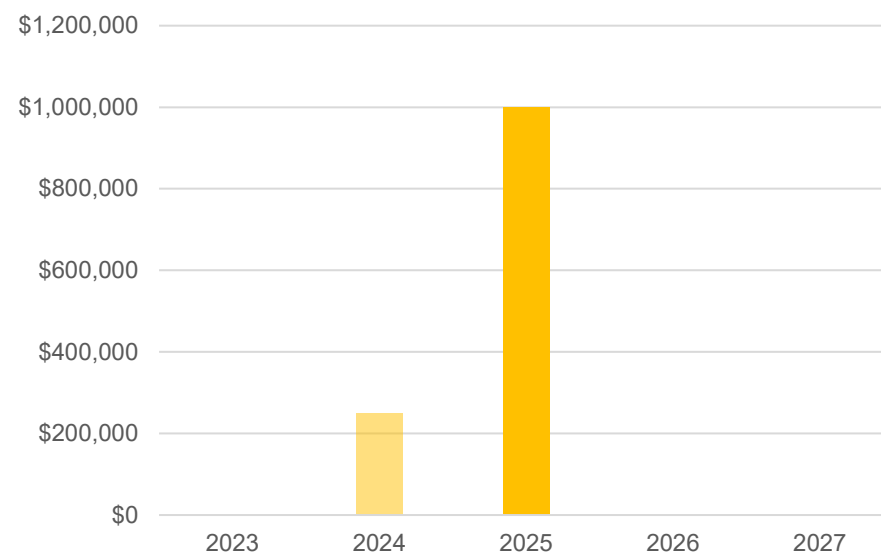
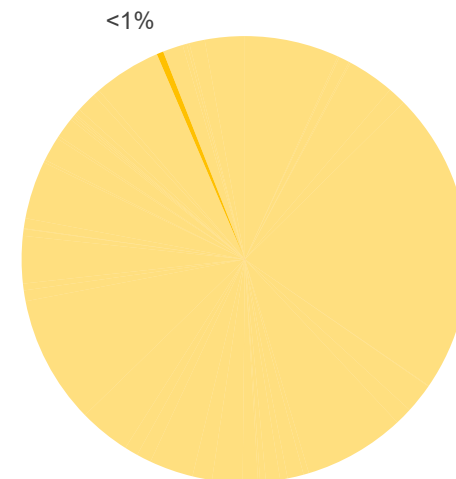
70 – GENERAL OFFICE/ADMINISTRATION

GENERAL OFFICE WORKSPACE IMPROVEMENTS

This project expands on the 2024 pilot project to reflect modern workspace needs and plans for future workspace improvements at the General Office building.



\$1,000,000



76 – ENVIRONMENT

FIREFIGHTING FOAM SYSTEM CONVERSION

This project will support converting firefighting foam from the AFFF mil-spec foam to F3 foam without intentionally added PFAS. This conversion includes multiple buildings, vehicle systems, project management, and firefighting equipment.

\$3,000,000

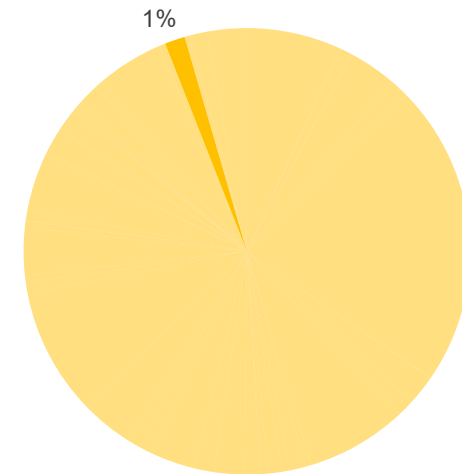
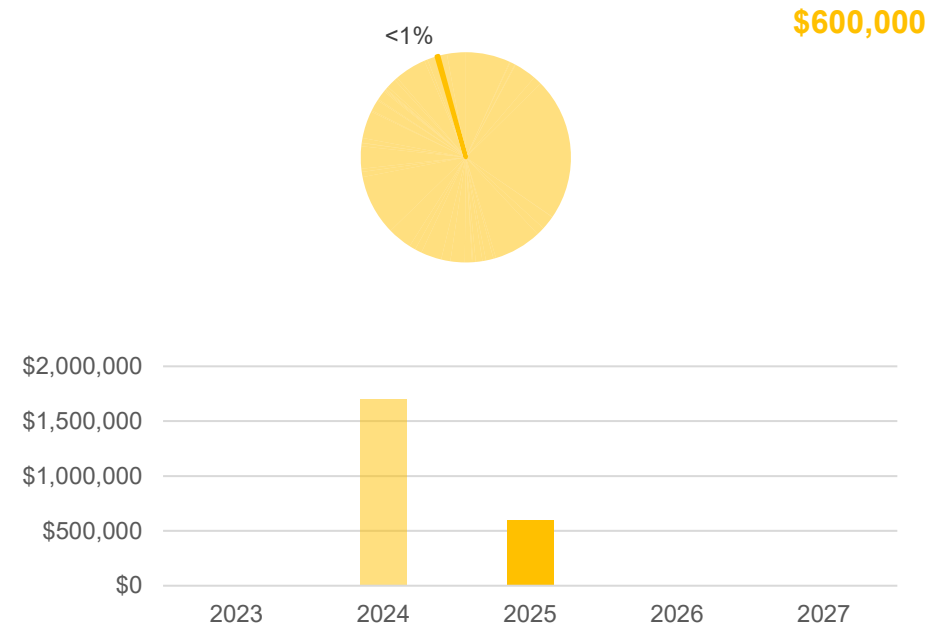


image source: [firefighting-foam.jpg \(1066×600\) \(oppenheimlaw.com\)](#)

GLYCOL SEWER AND STORM SEWER INSPECTION/REHABILITATION

This project provides for cleaning and video inspection of gravity sewers, including deicing pads, plug and pump deicing areas, and conveyance sewer. This project also includes pressure testing of glycol forcemains.



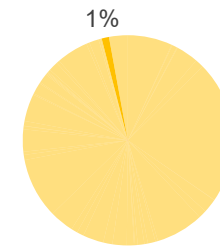
INFIELD FUELING FACILITY SECONDARY CONTAINMENT

This project provides for construction of two stormwater lift stations adjacent to MSP Ponds 1 and 2. The lift stations will utilize the existing 8-inch forcemain to divert water from one pond to the other to facilitate pond cleaning and maintenance.



LIFT STATION AT PONDS 1 AND 2

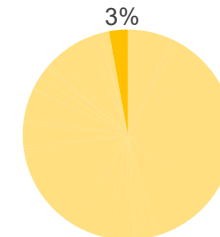
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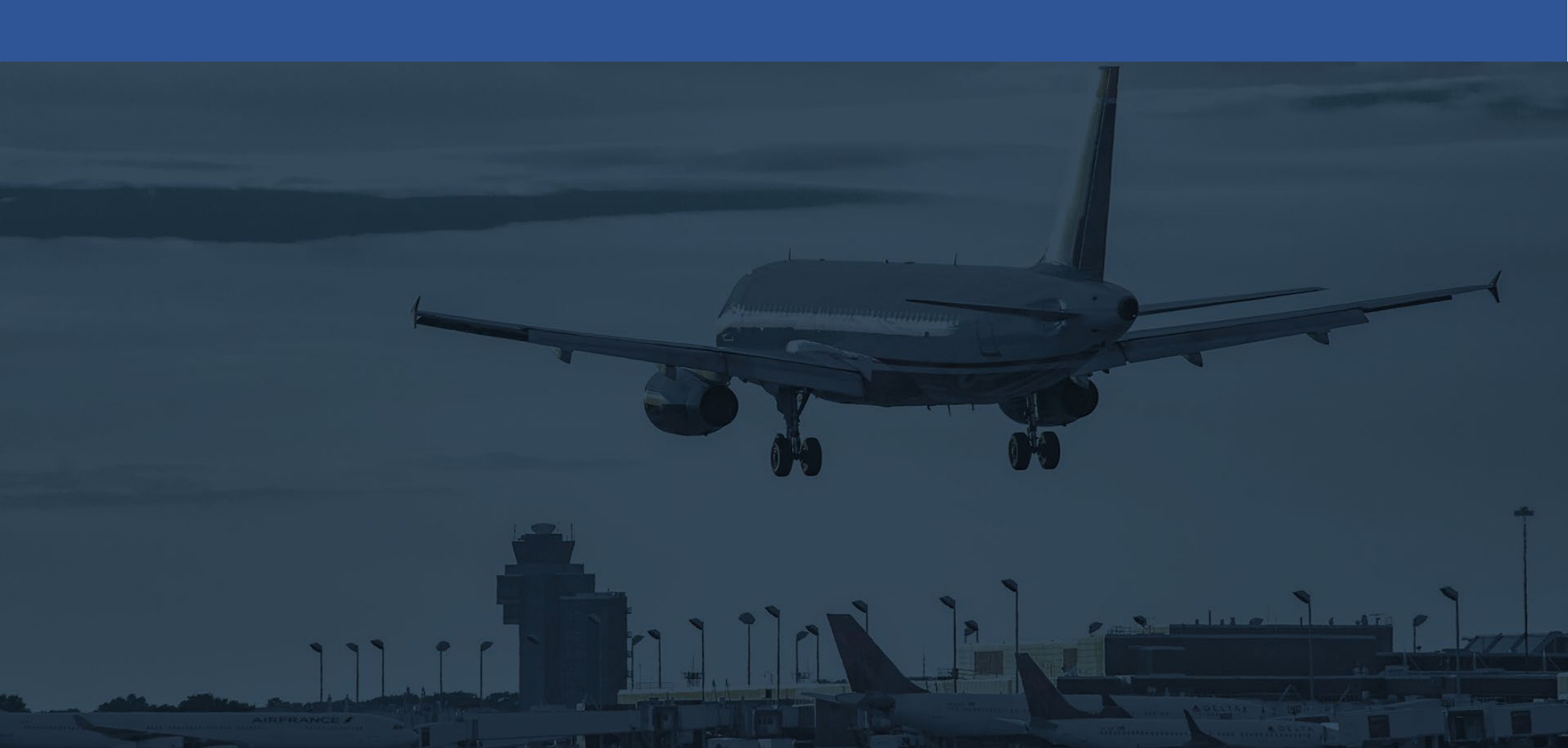
\$2,300,000

MSP POND 3 / 494 POND SEDIMENT REMOVAL AND REPAIRS

Removal of accumulated sediment in MSP Pond 3 and 494 Pond. Repair underflow baffle on 494 Pond outlet structure, repair or replace gate valves on the outlet pipes to the Minnesota River.



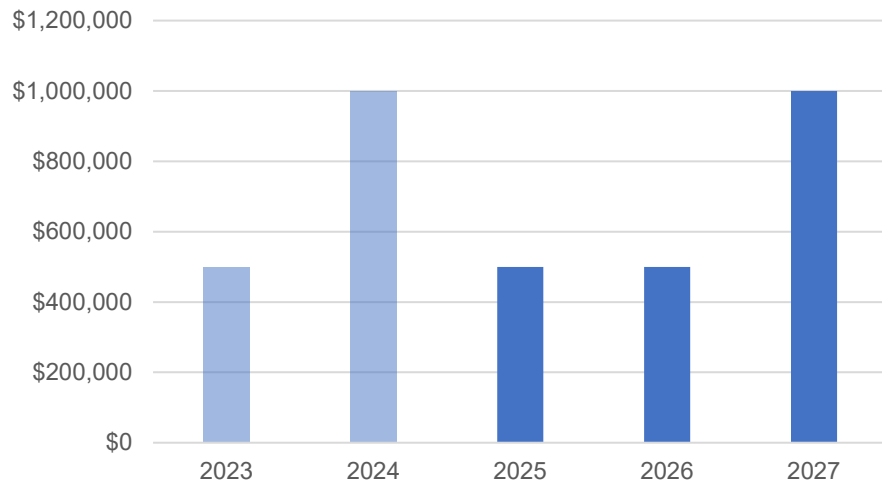
\$5,900,000



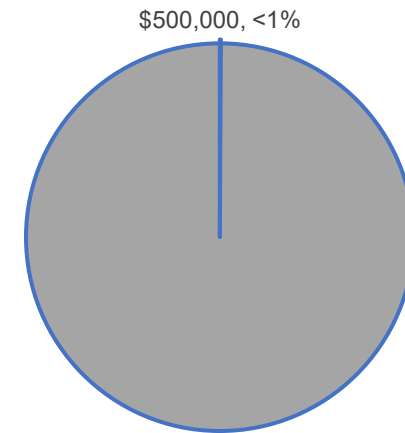
MSP NOISE MITIGATION PROJECTS

The Consent Decree First Amendment Program is a residential noise mitigation program that began in March 2014 under the terms of an amended legal agreement (Consent Decree) between the Metropolitan Airports Commission (MAC) and the cities of Richfield, Minneapolis, and Eagan, and approved by the Hennepin County District Court (effective until December 31, 2024). Under this program, eligibility of single-family and multi-family homes will be determined annually, based upon actual noise contours that are developed for the preceding calendar year, beginning in March 2014. This project will provide noise mitigation for those single family and multifamily homes meeting the eligibility requirements of the program.

MSP Noise Mitigation Projects



2025 MSP Noise Mitigation Project

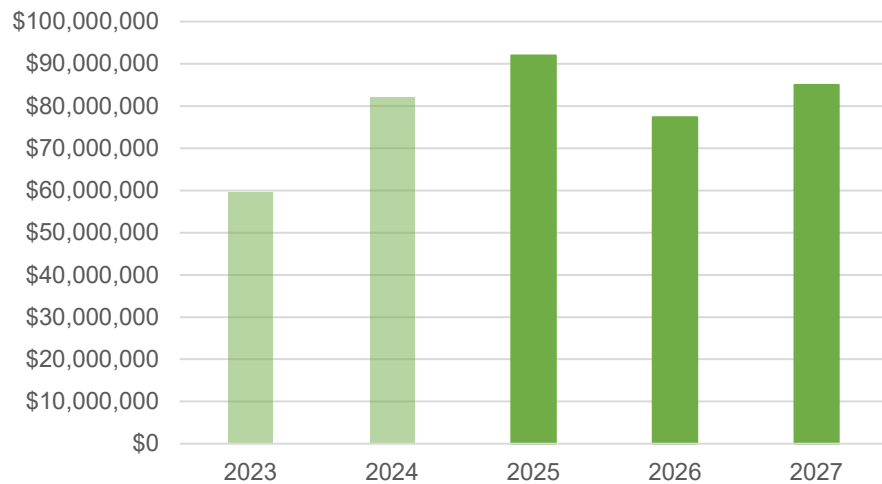




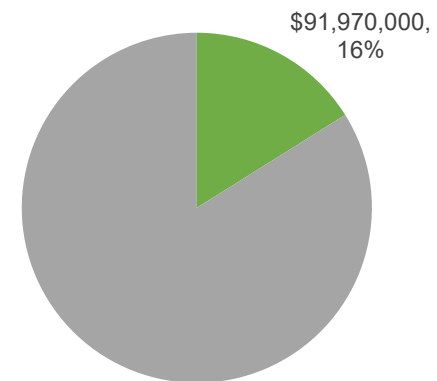
MSP ONGOING MAINTENANCE PROGRAMS

MSP On-Going Maintenance projects include buildings, systems, pavements, and other infrastructure that require improvements on an annual basis in order to maintain the facilities and manage MAC assets.

MSP Ongoing Maintenance Programs



2025 MSP Ongoing Maintenance Programs

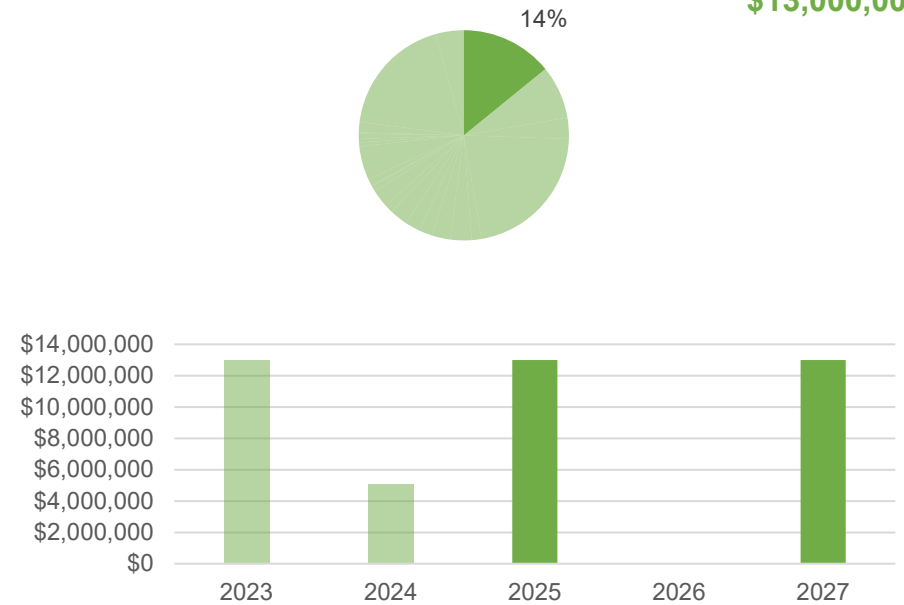


10 – TERMINAL 1

AIR HANDLING UNIT REPLACEMENT

There are existing air handling units serving Terminal 1 that were installed with the original terminal construction in 1958-60 and are over 50 years old. A study of these units has been completed that evaluated each unit's age, condition, and its ability to adequately heat or cool the spaces it serves. A multi-year program has been implemented to provide for the replacement of the units that have been identified as needing replacement. The project costs include modifications to building walls to facilitate the removal of existing equipment and installation of the new units, upgraded electrical and temperature controls, and asbestos abatement.

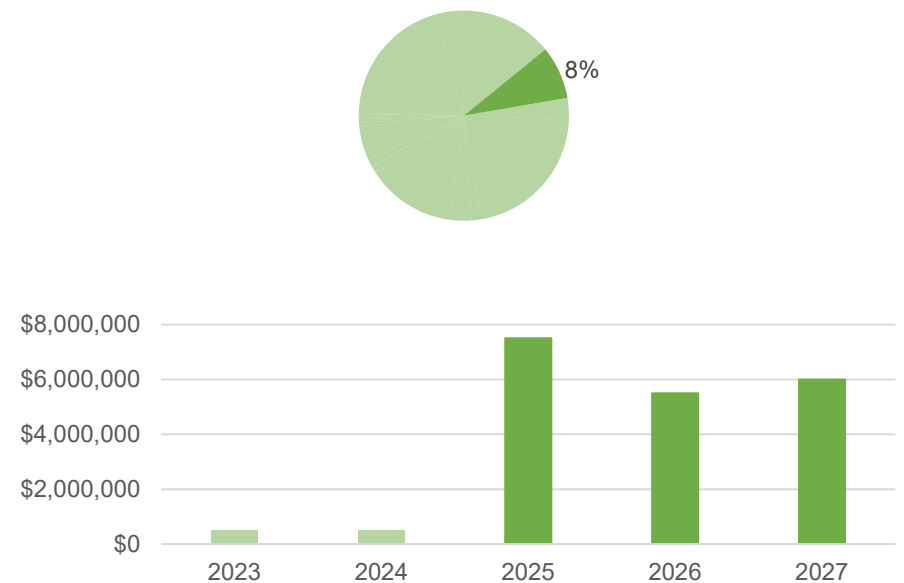
\$13,000,000



BAGGAGE SYSTEM UPGRADES

This multi-year program will provide necessary upgrades to the inbound and outbound baggage system not covered by general system maintenance. The 2025 and 2026 projects will provide system stabilization to maintain functionality until the system reaches the end of its useful life and is replaced.

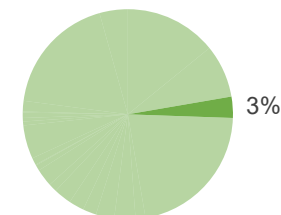
\$7,500,000



CONVEYANCE SYSTEM UPGRADES

\$3,000,000

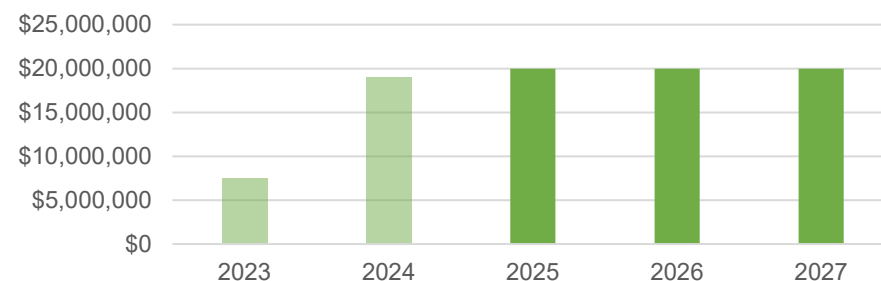
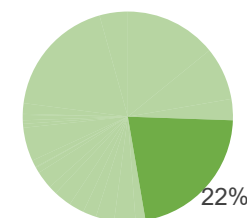
A study of the MSP campus conveyance systems including elevators, escalators, moving walks, dumbwaiters, and material lifts was completed by the Facilities Department's conveyance consultant. The study evaluated the useful life of each system including the availability of replacement parts and technical support of the equipment. Many of the systems are being operated by outdated technology that is generally less efficient than modern control equipment. Some of the systems do not include safety devices or features that are commonly installed on modern equipment. This multi-year program modernizes and replaces elements of the conveyance systems and installs new conveyance systems if needed.



ELECTRICAL AND GROUND POWER SUBSTATION REPLACEMENT

\$20,000,000

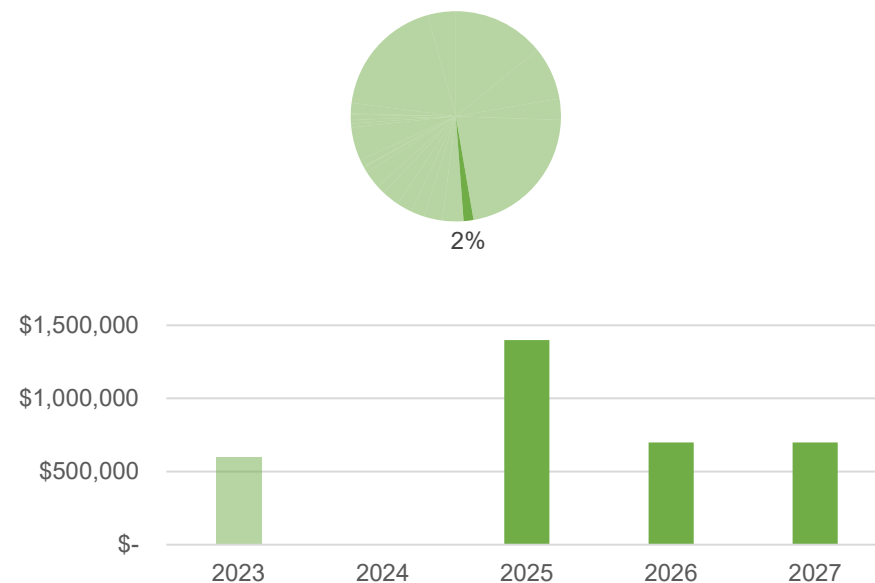
This is a multi-year program to replace electrical substations which are at or very near end of life. This program will also improve redundancy. This program also focuses on updating and improving substations that serve airside operations such as jet bridges, and providing heating, cooling, and power for parked aircraft. These substations also provide power for charging electric ground service vehicles. This program will position MSP to be able to meet new demands for ground equipment, including an increase in electric vehicle charging.



PLUMBING INFRASTRUCTURE UPGRADE PROGRAM

\$1,400,000

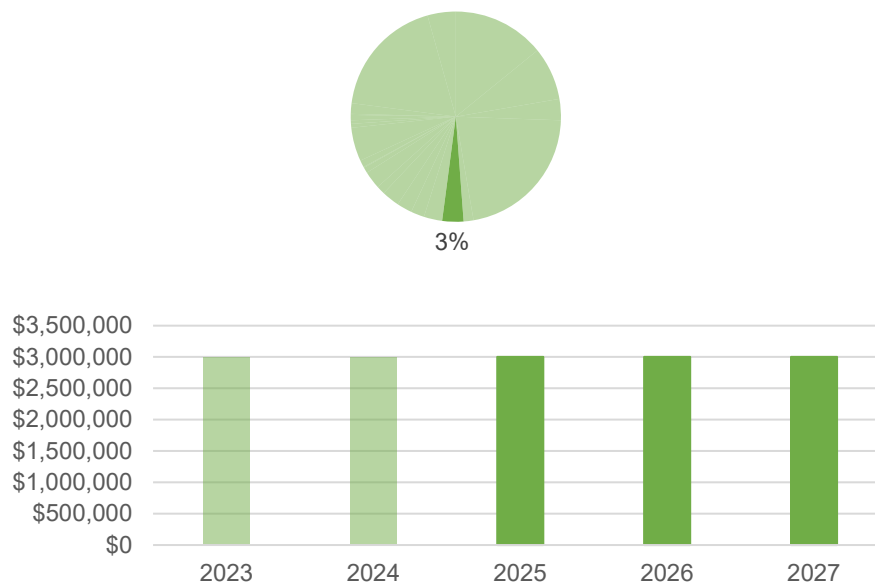
In 2010, MAC staff prepared a preliminary study of the reliability and maintainability of the existing plumbing infrastructure. Portions of the existing plumbing infrastructure serving Terminal 1 are over 40 years old, have systems that are undersized for today's demands, contain isolation valves that are either inaccessible or no longer functional, and utilize aging water meter systems. There are also deteriorated sections of the existing sanitary and storm water systems. This ongoing program was implemented to upgrade the plumbing infrastructure system to meet current code requirements and MAC standards.



TERMINAL BUILDING REMEDIATION PROGRAM

\$3,000,000

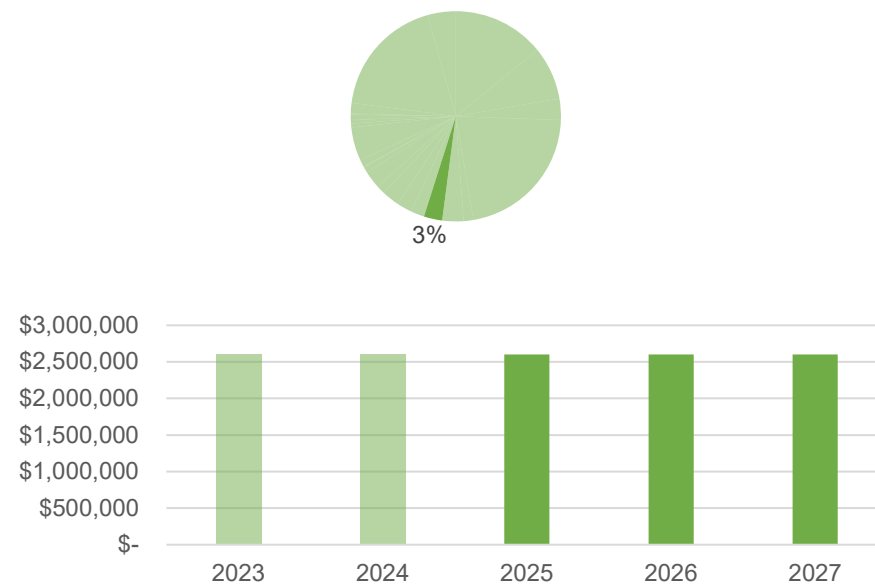
Continual maintenance of the terminal buildings is imperative to passenger comfort and safety as well as sustainability of the MAC asset. Age and weather contribute to building deterioration, mold, and other health issues. Building and concourse envelope issues include curtain wall systems, glazing, sealant repair/replacement, louver repair/replacement, metal panel repair/replacement, and soffit repair/replacement and insulation systems.



TERMINAL MISCELLANEOUS MODIFICATIONS

\$2,600,000

Each year, there is a list of maintenance projects that are beyond the resources of MAC's maintenance and trades staff to accomplish. These projects are prioritized and completed either as a series of contracts or as purchase orders. Typical work includes door replacements, emergency upgrades to mechanical, electrical, plumbing or HVAC systems, loading dock work, etc. The list of potential projects will be compiled and prioritized in early 2025.

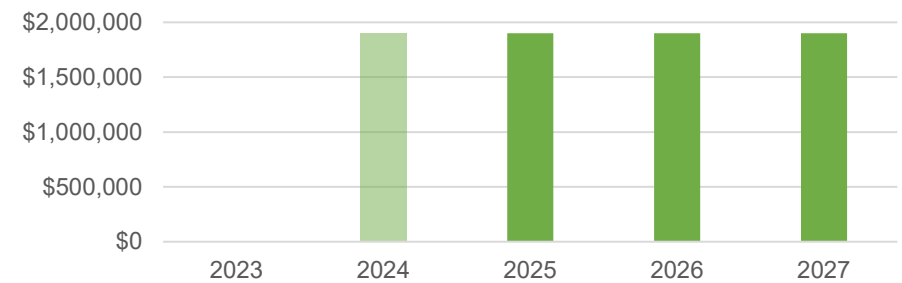
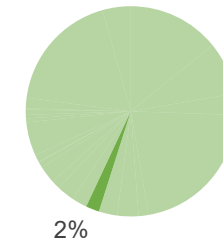


13 – ENERGY MANAGEMENT CENTER

EMC LIFE SAFETY INFRASTRUCTURE PROGRAM

This program will replace life safety equipment and devices associated with the heating, ventilation, and air conditioning system throughout MSP campus. Equipment includes gas detection sensors and life safety dampers. Additionally, all new equipment and devices will connect to IMACS for monitoring and control.

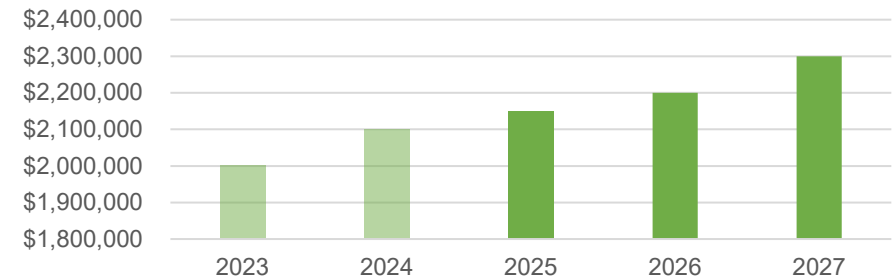
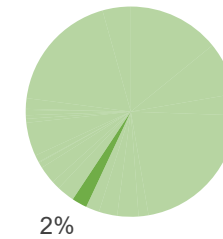
\$1,900,000



EMC PLANT UPGRADES

This multi-year program provides upgrades to the MAC's Energy Management Center (EMC) Boiler and Chiller Plants at both Terminal 1 and Terminal 2 as well as other facilities on the MSP campus. The work includes upgrades to the aging Chilled Water and Heating Water systems. The pumping and piping systems on both the heating and cooling systems are aging and in need of repair work beyond regular maintenance.

\$2,150,000

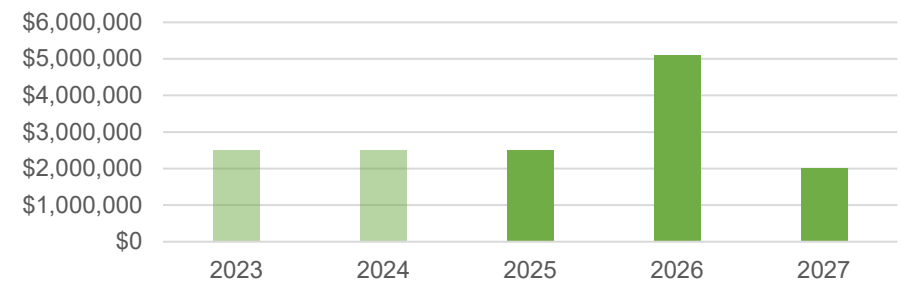
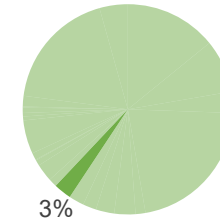


21 – FIELD AND RUNWAY

AIRSIDE ELECTRICAL CONSTRUCTION

This program provides for the removal and replacement of airfield lighting and signage with LED technology, and lighting control upgrades.

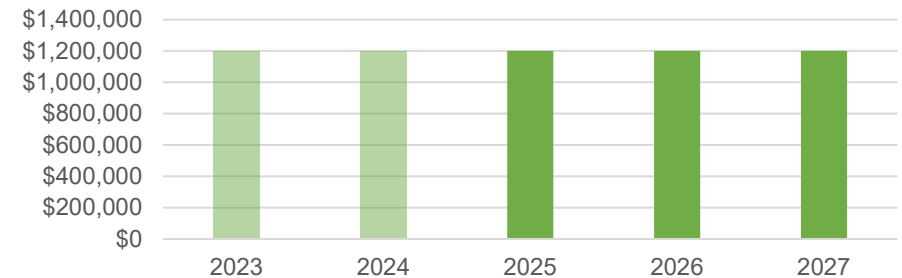
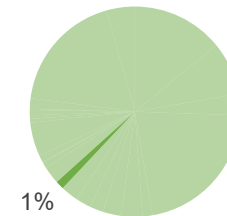
\$2,500,000



AIRSIDE ROADWAY PAVEMENT RESTORATION

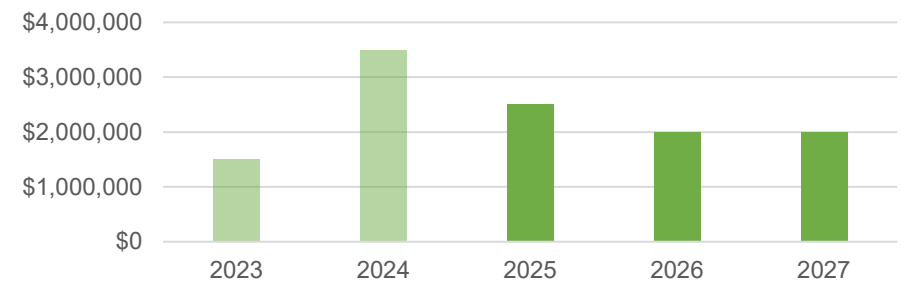
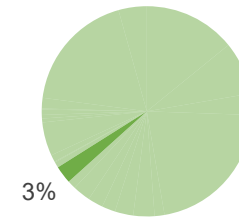
This is an ongoing program to rehabilitate roadways on the airfield through bituminous overlays, seal coats, or in some instances, reconstruction, to restore the surfaces to a smooth, even condition and improve overall operating conditions. The pavement condition index report as well as an inspection of the pavement will be completed to determine the areas most in need of repair on an annual basis.

\$1,200,000

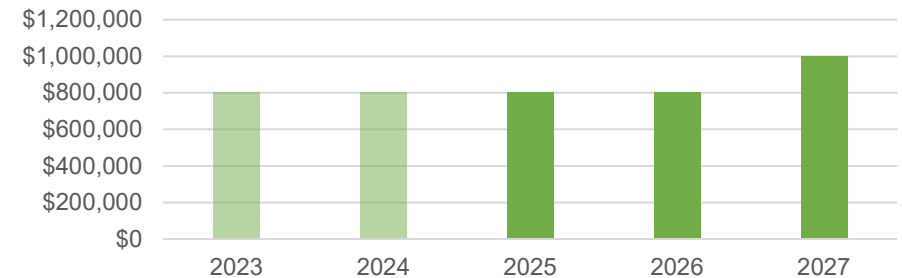
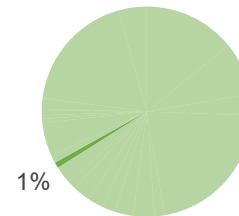


MISCELLANEOUS AIRFIELD CONSTRUCTION**\$2,500,000**

This program supports Part 139 Airport Certification through grading and drainage improvements within runway safety areas, airfield pavement marking modifications, and other miscellaneous airside projects that are too small to accomplish independently or arise unexpectedly.

**PAVEMENT JOINT SEALING/REPAIR****\$800,000**

This is an ongoing program to provide for the resealing of joints, sealing of cracks, and limited surface repairs on existing concrete pavements. The areas scheduled for sealing will be as defined in the overall joint sealing program or as identified by staff inspection in the early spring of each year.

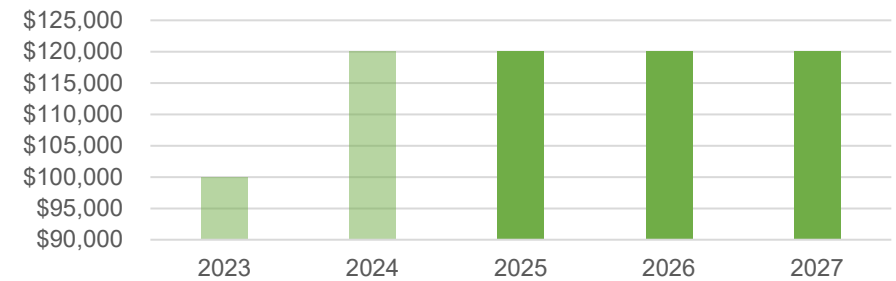
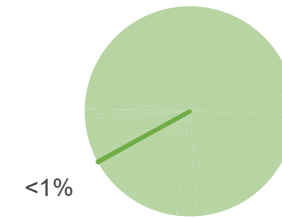


26 – TERMINAL ROADS/LANDSIDE

TUNNEL/BRIDGE INSPECTIONS

The MSP campus has MAC-owned bridges and tunnels. Bridge and tunnel inspections are conducted each year to identify maintenance and repairs which are then implemented in a timely fashion.

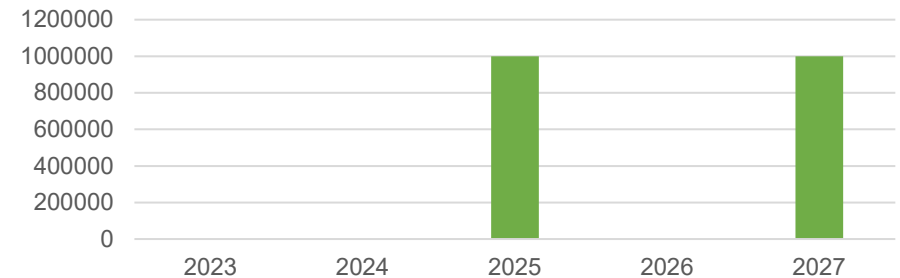
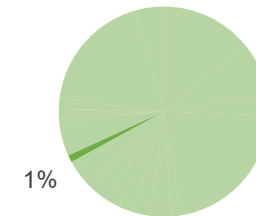
\$120,000



TUNNEL/BRIDGE MISCELLANEOUS MODIFICATIONS

This program will complete maintenance of the MAC-owned bridges and tunnels identified in the annual inspections. Maintenance work includes repairs, painting, bearing assembly and other miscellaneous items.

\$1,000,000

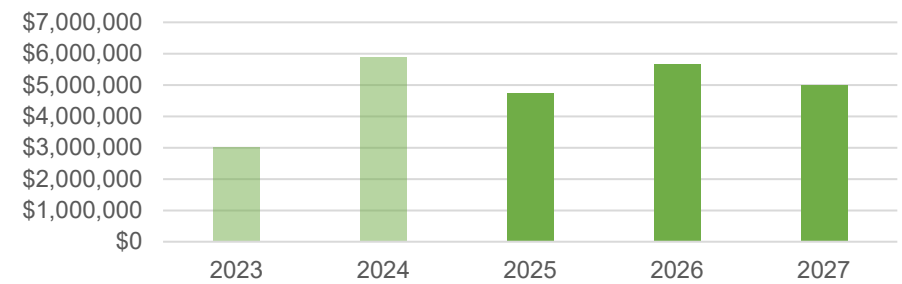
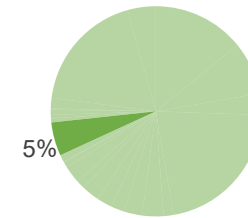


31 – PARKING

PARKING STRUCTURE REHABILITATION

This is an annual program to maintain the integrity of the airport's multi-level parking structures. Projects typically include concrete repair, joint sealant replacement, expansion joint repairs, concrete sealing, railing refinishing, and lighting improvements.

\$4,750,000

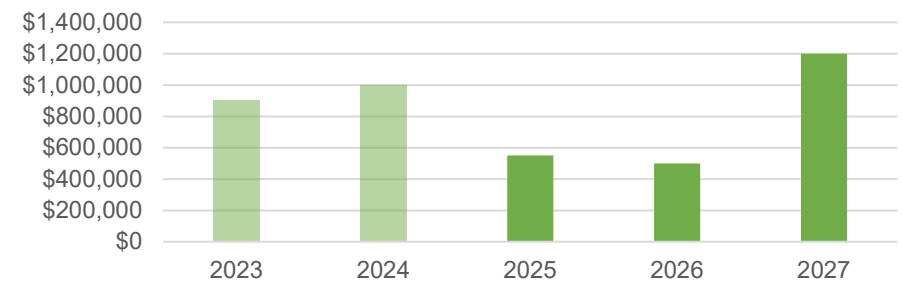
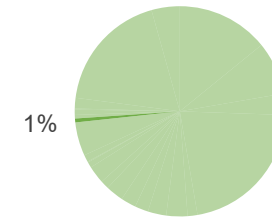


39 – PUBLIC AREAS/ROADS

CONCRETE JOINT REPAIR

This project will complete landside pavement joint repair on MSP campus roadways as a preventative maintenance activity to prolong the existing pavement from reconstruction.

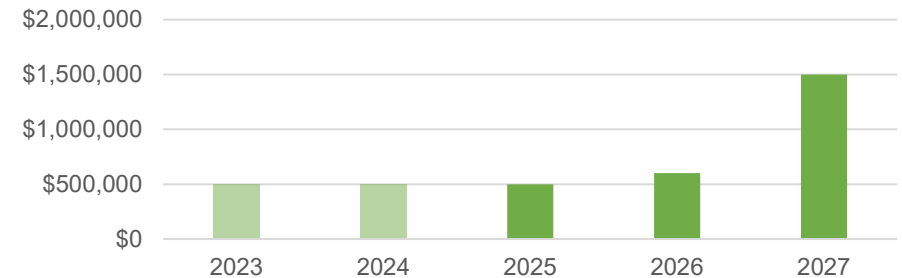
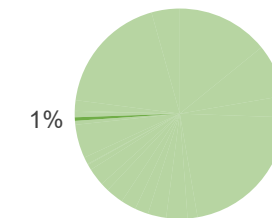
\$550,000



LANDSIDE PAVEMENT REHABILITATION

This is an ongoing program of preventative maintenance activities such as crack sealing, surface treatments, and resurfacing on roadways located outside of the Air Operations Area (AOA). This program effectively slows deterioration rates, extends service life and delays need for total reconstruction of bituminous and concrete pavements. Inspection of pavements and appurtenances determines what areas are to be prioritized for rehabilitation under each year's project.

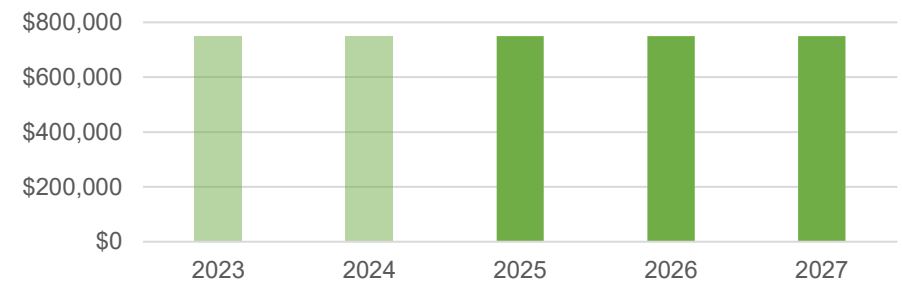
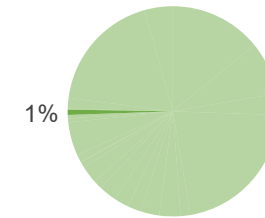
\$500,000



LANDSIDE UTILITY REHABILITATION

\$750,000

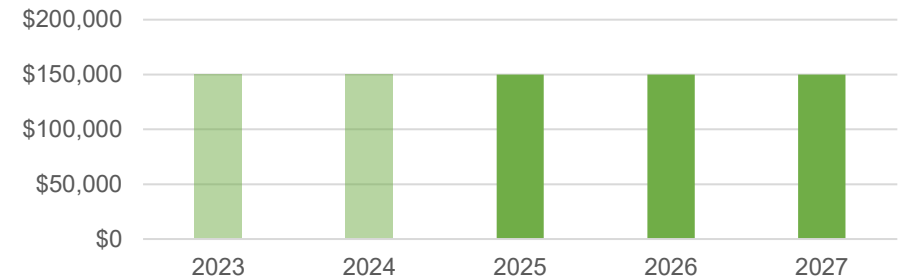
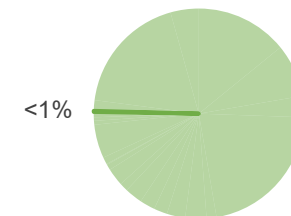
Each year there are numerous landside utility projects that are beyond the resources of MAC's staff and operating budget to accomplish. These projects are prioritized annually and completed with either a series of contracts or purchase orders. Electric power, sanitary sewer, storm sewer and watermain improvements will be addressed with this program. Also, a study will be conducted as part of the first year's project to identify future potential projects. The study will be updated annually reflect current priorities.



ROADWAY FIXTURE REFURBISHMENT

\$150,000

Many of the light poles, clearance restriction boards, sign units, fence sections, and canopies on the airport roadways need repainting and maintenance. This project provides for fixture refurbishment.

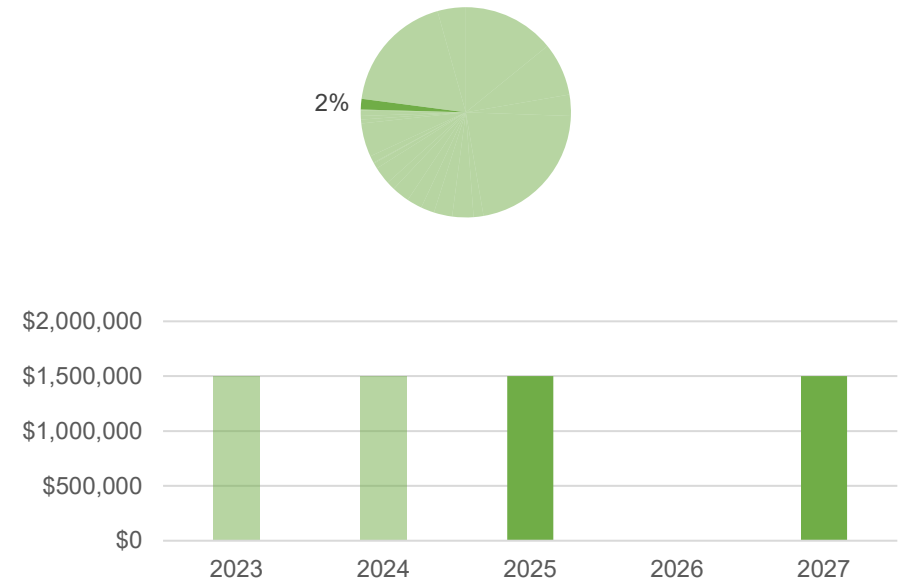


46 – HANGARS AND OTHER BUILDINGS

\$1,500,000

CAMPUS BUILDING REHAB PROGRAM

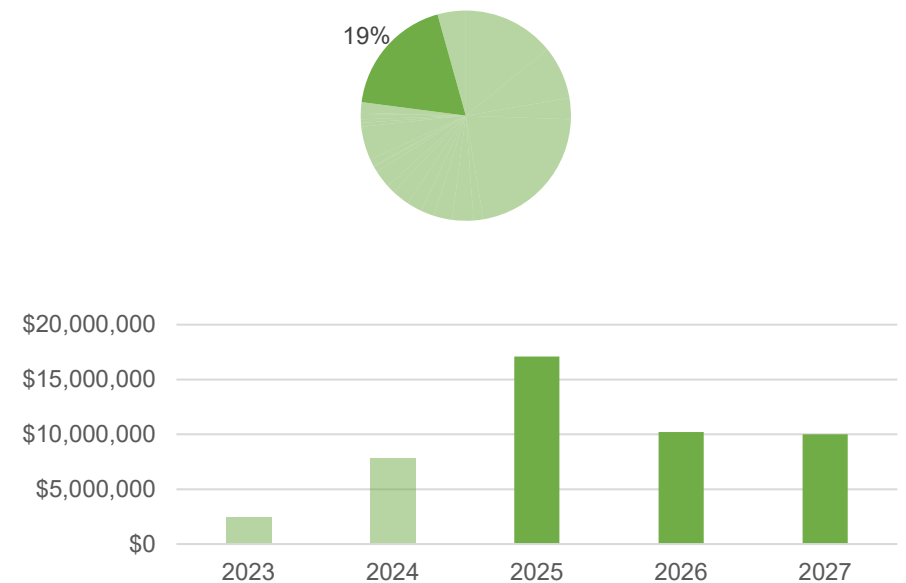
Continual maintenance of MAC non-terminal buildings is imperative in providing a stable infrastructure and meeting the MAC's sustainability goals. Age and weather contribute to building deterioration, mold and other health issues. Building envelope issues include curtain wall systems, glazing, sealant repair/replacement, louver repair/replacement, metal panel replacement and/or painting/tuck-pointing, structural repair and insulation systems. This program will also include repair/replacement related to interior issues. This is part of an on-going program to maintain MAC buildings as assets.



MSP CAMPUS BUILDING ROOF REPLACEMENTS

\$17,100,000

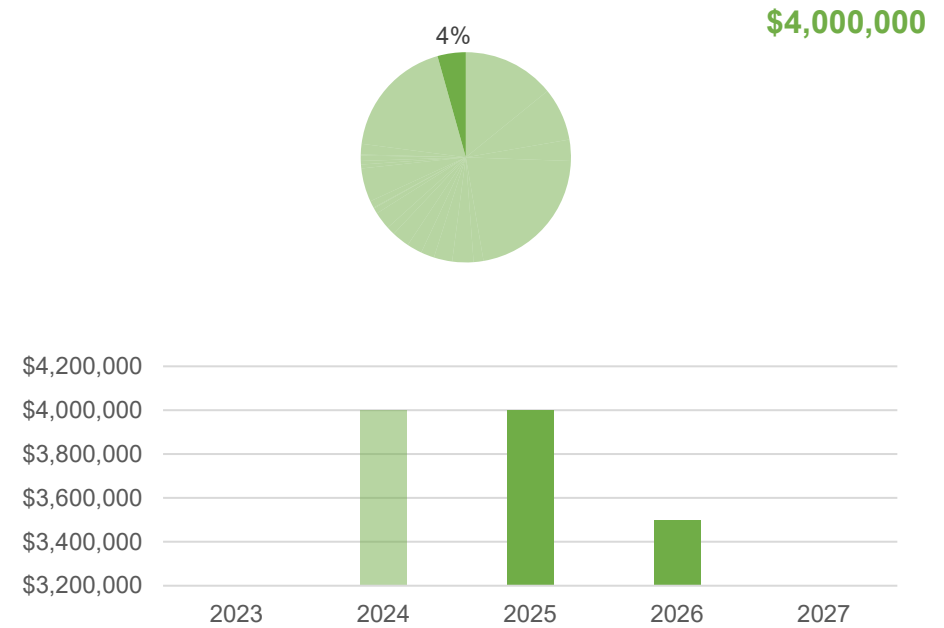
A report has been developed within the MAC that evaluates one-half of the roofs every other year. This on-going program allows these roofs that have been evaluated to be prioritized and programmed for repair. 2025 will focus on the MAC General Office Building.

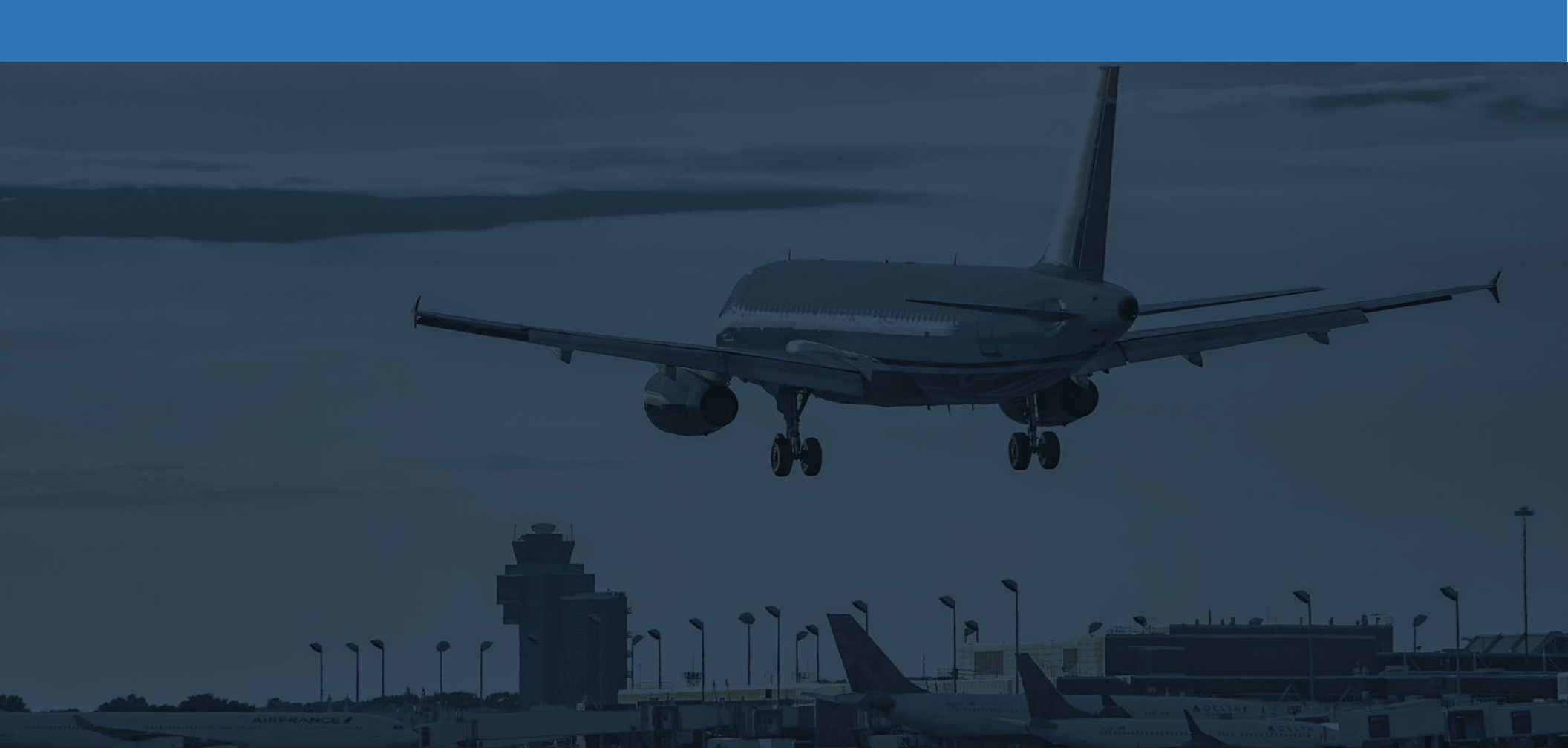


56 – TRADES/MAINTENANCE BUILDINGS

SUMP PUMP CONTROLS

This project will rehabilitate sump pumps older than five years across the campus and provide a new automation system at each location. Additionally, each sump pump will connect to IMACS for remote monitoring and control. This will help MAC Plumbing understand when there is a problem by receiving an alarm within their plumbing shop.

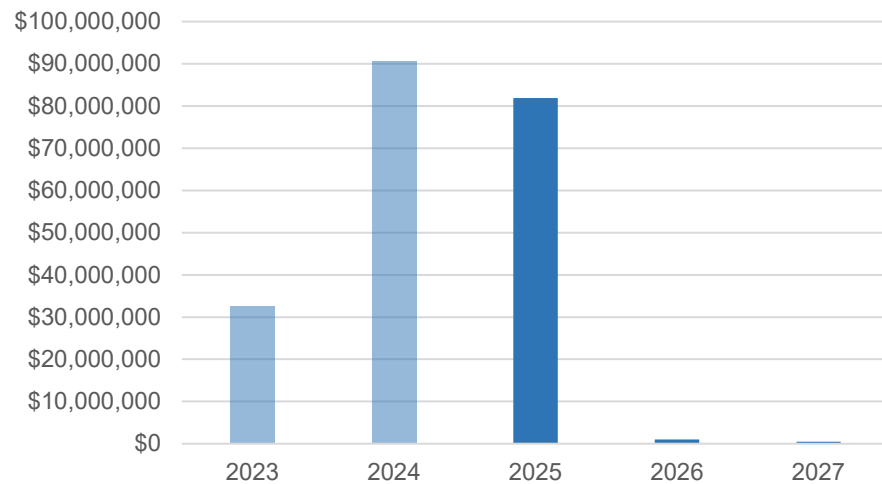




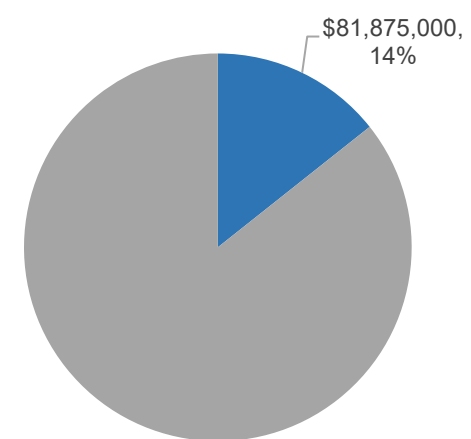
MSP TENANT PROJECTS

MSP Tenant projects include those that enhance or expand tenant or leasehold facilities that MAC supports, with the tenants reimbursing the costs to MAC for work within leasehold spaces.

MSP Tenant Projects



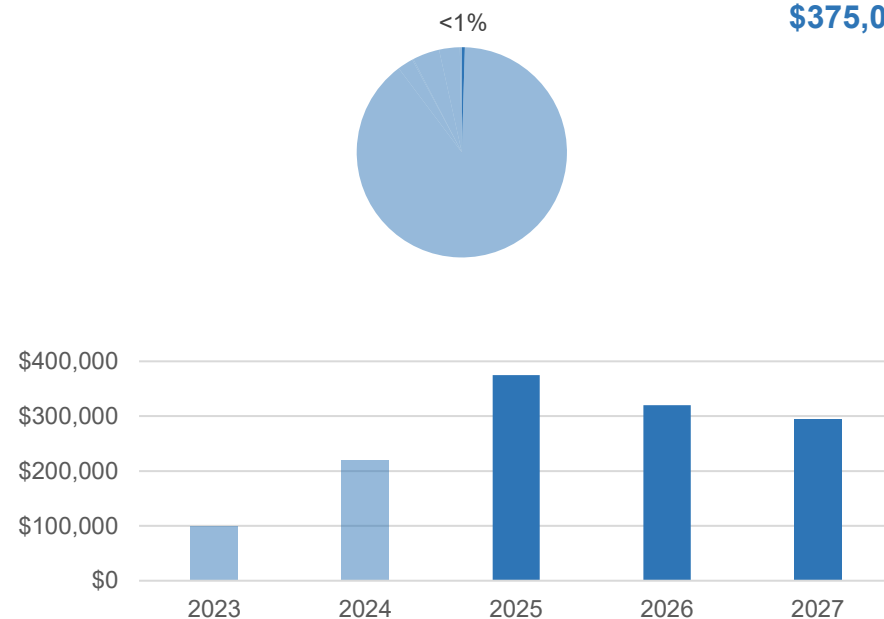
2025 MSP Tenant Projects



10 – TERMINAL 1

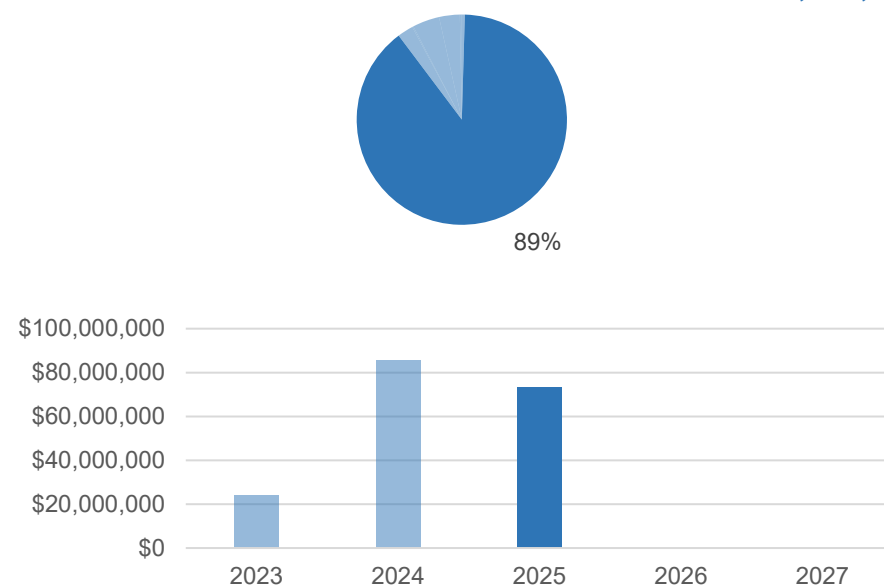
CONCESSIONS UPGRADES/REVENUE DEVELOPMENT AND STRATEGIC PARTNERSHIPS

This is an annual program to fund miscellaneous upgrades such as finishes, furniture, signage, and/or modified connections to utilities for the concession programs or other revenue generating programs at the airport. The budget will also provide leasehold improvements to the strategic partnerships activation sites in order to prepare space for the partners' construction.

\$375,000


CONCOURSE AND GATEHOLD MODERNIZATION

This is the third phase of the Concourse and Gatehold Modernization program and will complete work in Concourses A, B, and G. Through a reimbursable agreement, Delta Air Lines will complete MAC-funded work including ceiling and lighting improvements, window tint, wainscoting, column wraps (excluding branding), paint (excluding branding), wayfinding information displays ("WIDS"), and flooring in the public area concourse corridors (including terrazzo, tile, and carpet where applicable). The program budget will also support MAC consultant fees for design collaboration and project oversight.

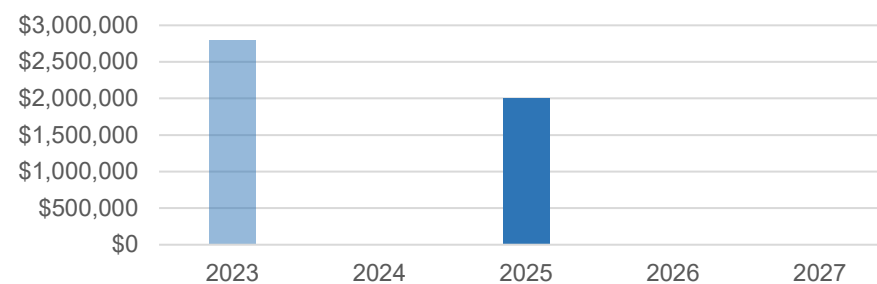
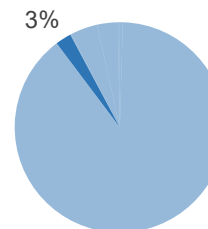
\$73,100,000


36 – TERMINAL 2

TERMINAL 2 CONCESSIONS REDEVELOPMENT

This project will support concessions spaces at the central portion of Terminal 2 and be coordinated with lease rebidding.

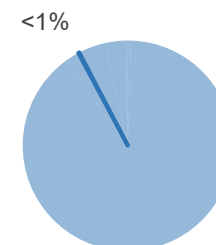
\$2,000,000



TERMINAL 2 SUPPLEMENTAL CONCESSIONS

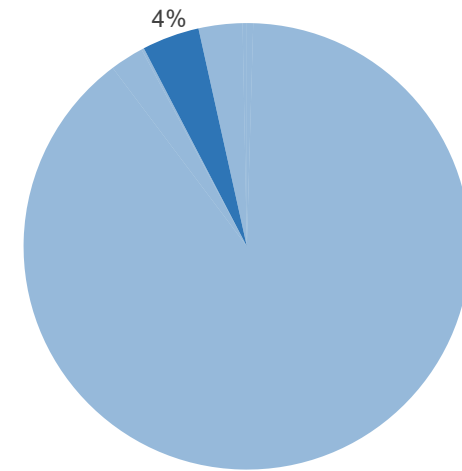
Capital to invest into additional utilities, flooring, electrical, water, etc. for additional concessions at Terminal 2.

\$150,000



39 – PUBLIC AREAS/ROADS**TENANT PARKING LOT RECONSTRUCTION**

This project reconstructs the pavement surrounding tenant space at 2120 East 77th Street (former DHL tenant space) due to deteriorating pavement. The project will include but is not limited to: pavement removal, excavation, grading, bituminous paving, pavement marking, and utility improvements.

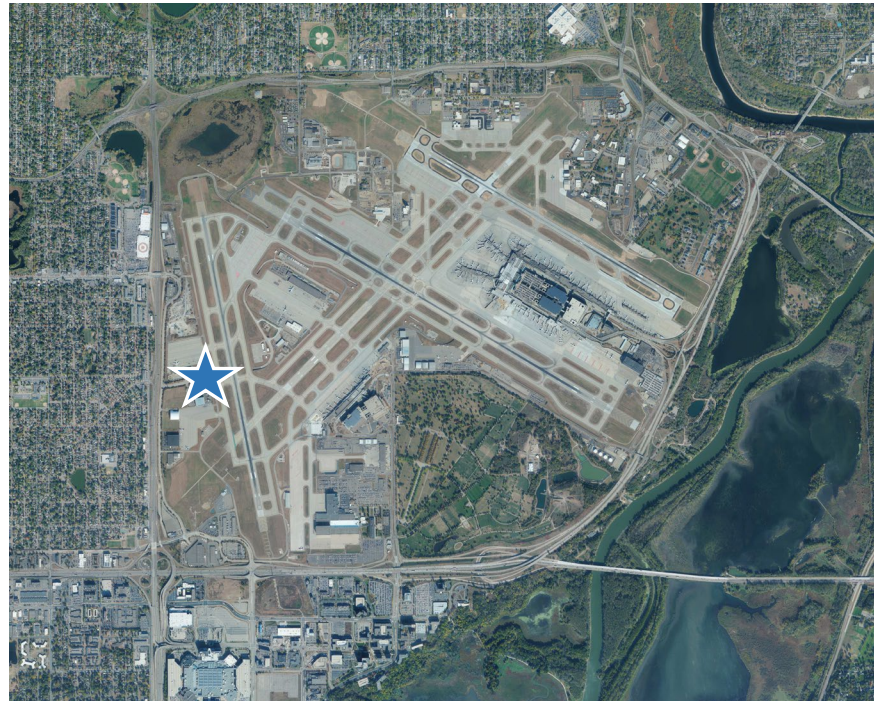
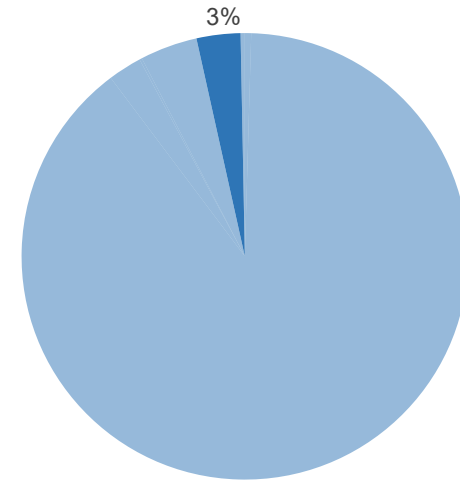
\$3,400,000

46 – HANGARS AND OTHER BUILDINGS

AIR FREIGHT FACILITY PARKING EXPANSION

This project will expand employee and ground service equipment parking areas at the Air Freight Facility.

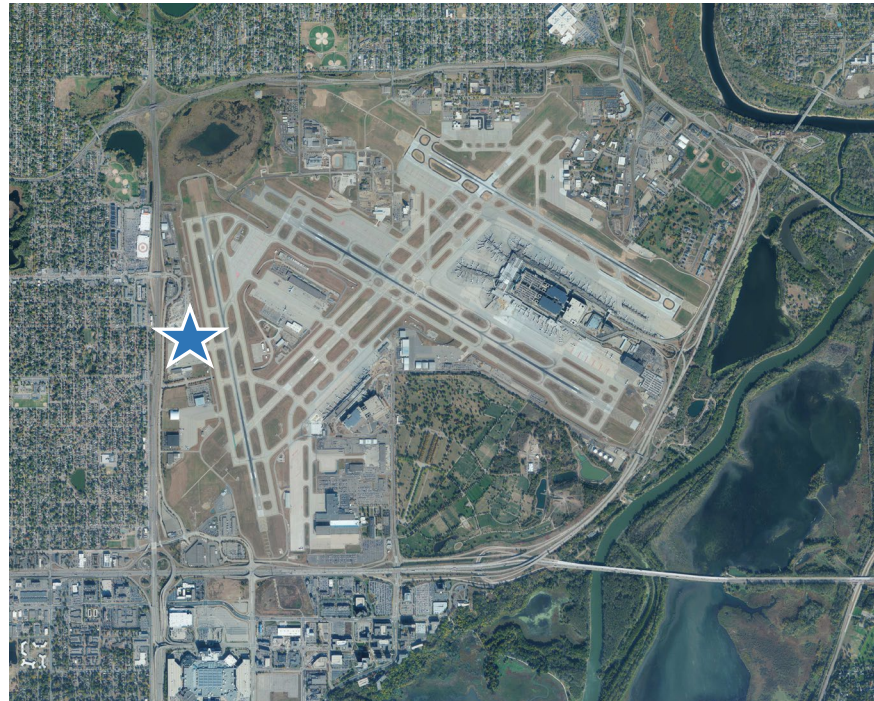
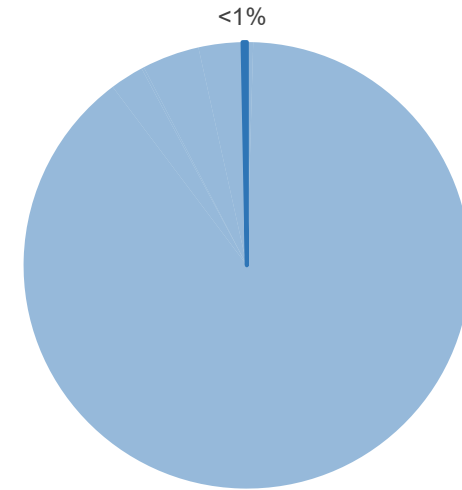
\$2,600,000



Cargo Facility Study

This project will fund a study of the scope and potential costs and revenues associated with a new or replacement cargo facility on the airfield's west side.

\$250,000

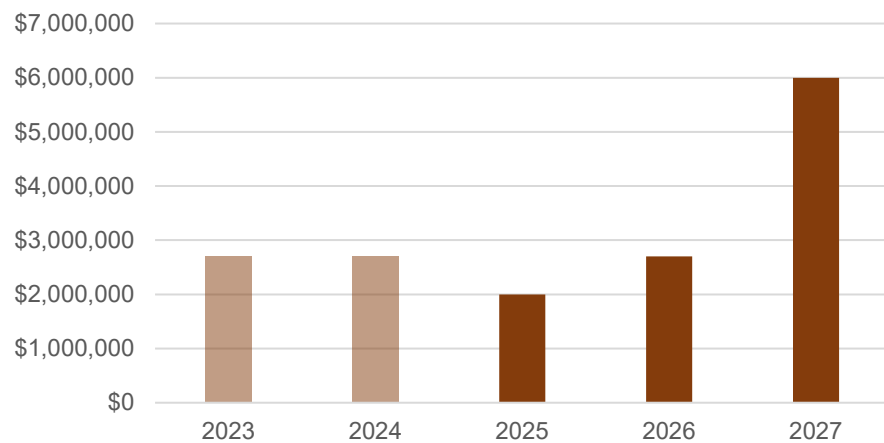




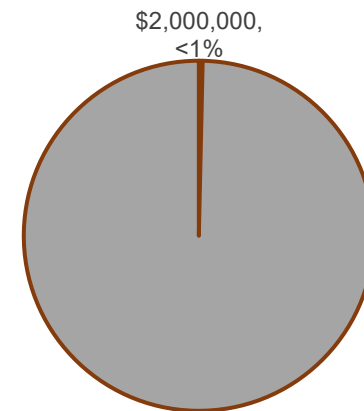
RELIEVER AIRPORTS LONG TERM COMPREHENSIVE PLAN PROJECTS

Reliever Airport Long Term Comp Plan projects include projects that enhance or expand the airport facilities in order to meet existing or forecasted operational needs.

Reliever Airports Long Term
Comprehensive Plan Projects



2025 Reliever Airports Long Term
Comprehensive Plan Projects

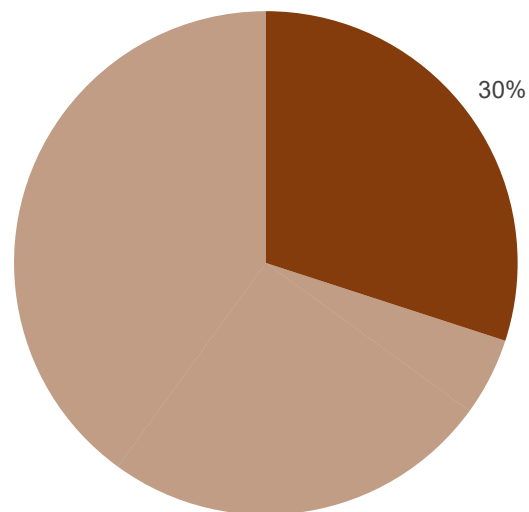


80 – RELIEVER AIRPORTS

\$600,000

RELIEVER AIRPORTS PLANNING FEES

This project funds consultant support of FAA-required planning activities to be completed prior to project approvals.

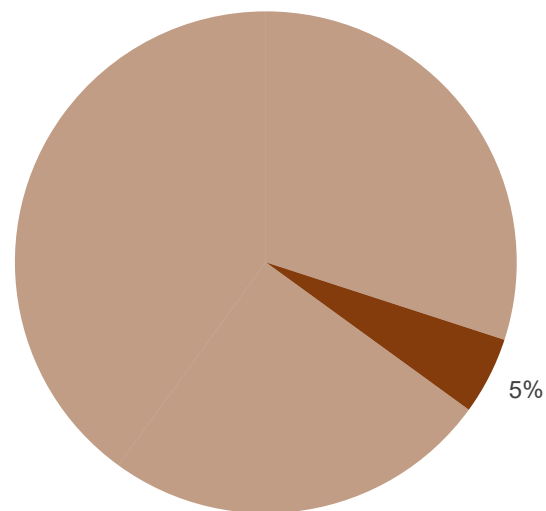


82 – LAKE ELMO

\$100,000

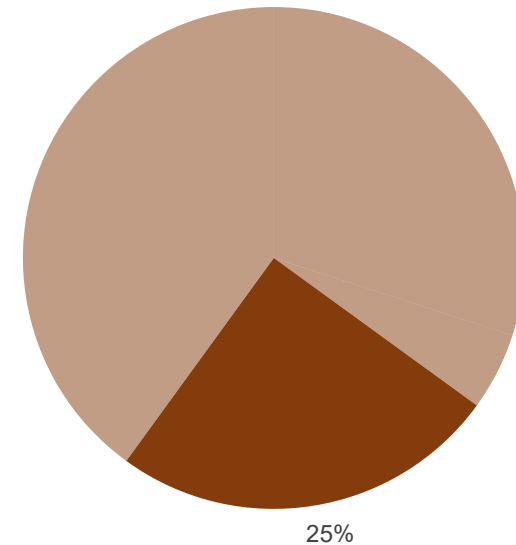
21D AIRPORT LAYOUT PLAN

The new ALP will show current conditions and any development proposed in the Long-Term Comprehensive Plan (LTCP). A portion of the budget will be used to acquire new AGIS base mapping to create a new Airport Layout Plan (ALP) set that complies with current FAA guidelines and criteria.

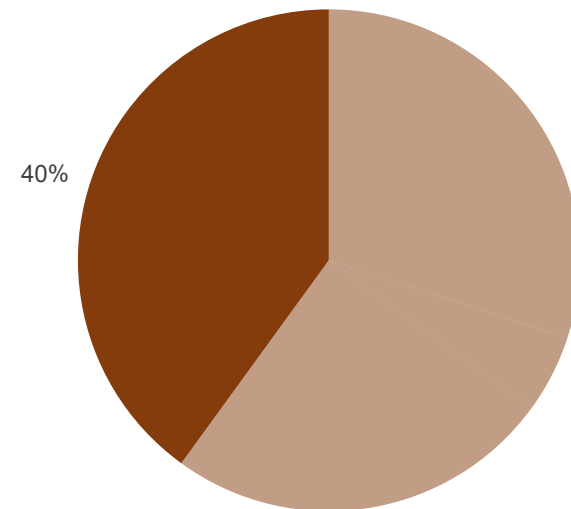


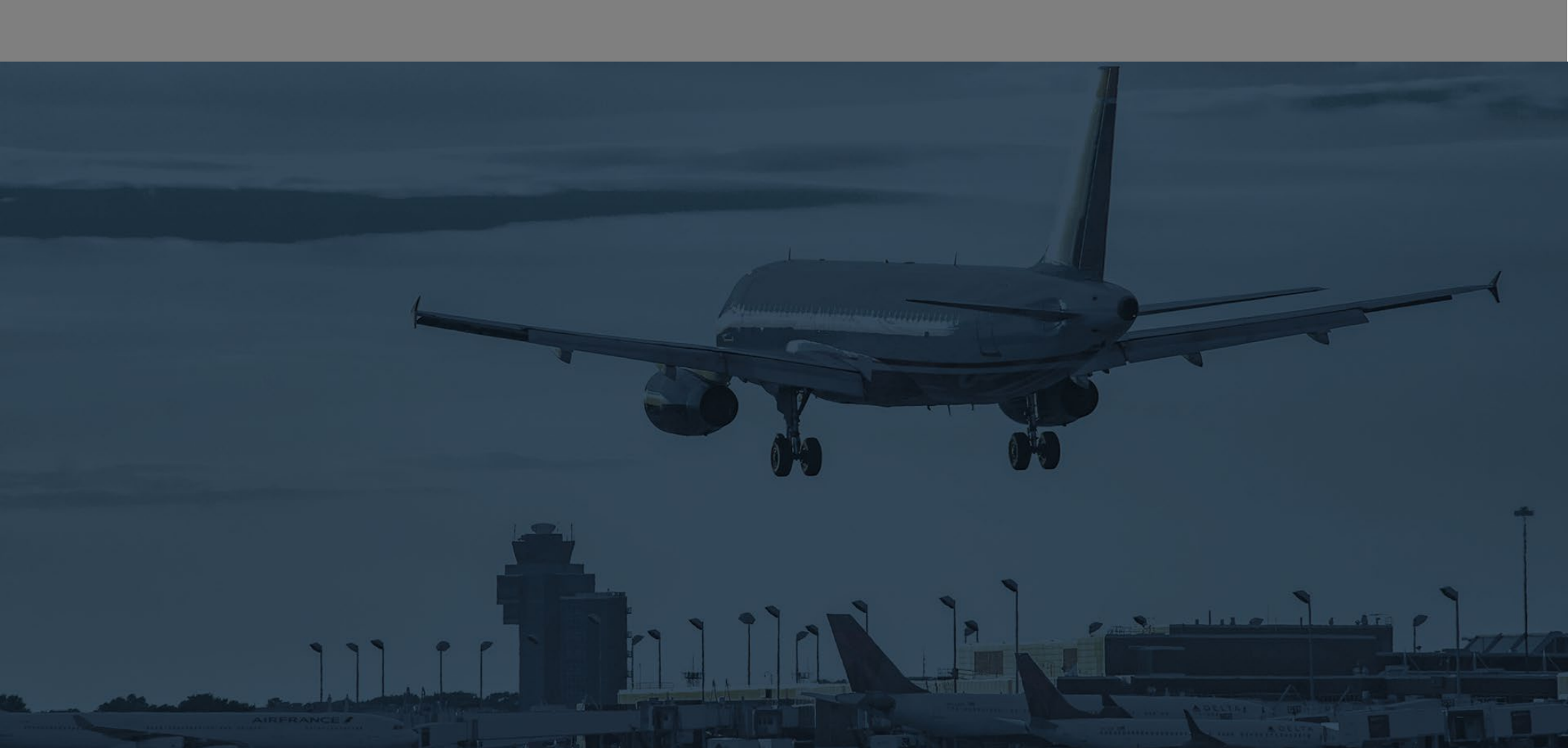
86 – ANOKA COUNTY – BLAINE**\$500,000****ANE AIRPORT LAYOUT PLAN**

The new ALP will show current conditions and any development proposed in the Long-Term Comprehensive Plan (LTCP). A portion of the budget will be used to acquire new AGIS base mapping to create a new Airport Layout Plan (ALP) set that complies with current FAA guidelines and criteria.

**ANE LONG TERM COMPREHENSIVE PLAN UPDATE****\$800,000**

This project will review current airport facilities, identify service gaps, and better facilitate the safe movement of aircraft at Anoka County - Blaine Airport, which is part of the MAC's system of reliever airports designated by the FAA to reduce congestion at the Minneapolis-St. Paul International Airport and to provide improved general aviation facilities in the overall community.

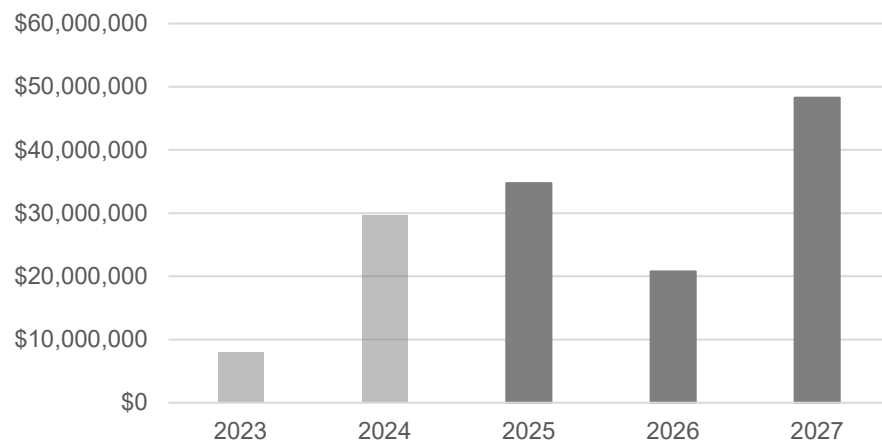




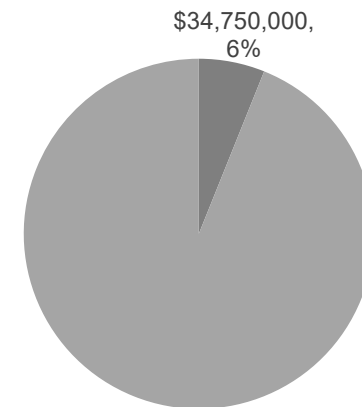
RELIEVER AIRPORTS MAINTENANCE/FACILITY UPGRADE PROJECTS

Reliever Airport Maintenance / Facility Upgrade projects include improvements to buildings, systems, pavements and other infrastructure across the Reliever Airport system on a one-time or short-term basis.

Reliever Airports Maintenance/Facility Upgrade Projects



2025 Reliever Airports Maintenance/Facility Upgrade Projects

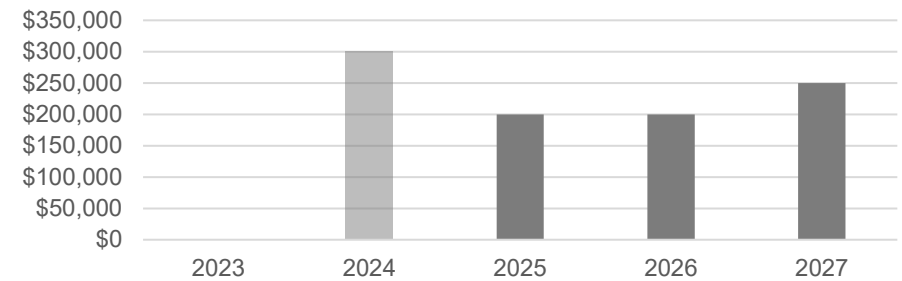
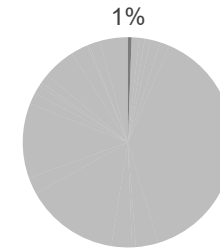


80 – RELIEVER AIRPORTS

RELIEVER AIRPORTS SECURITY FENCING, GATES AND LIGHTING

This program will address ongoing needs for repairs and modifications to the Reliever Airports' perimeter chain link fencing, gate vehicle access points, and lighting to enhance safety and security in landside areas.

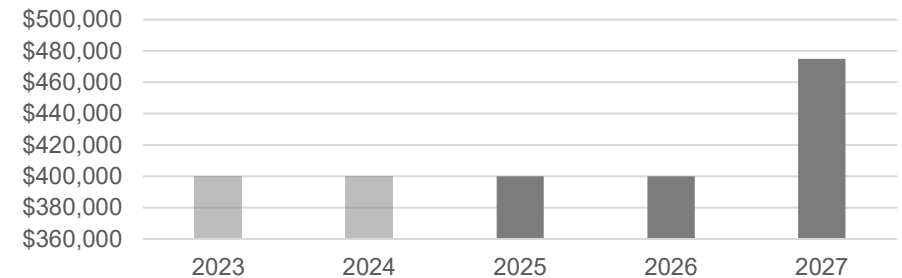
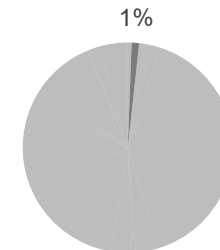
\$200,000



RELIEVERS BUILDING MISCELLANEOUS MODIFICATIONS

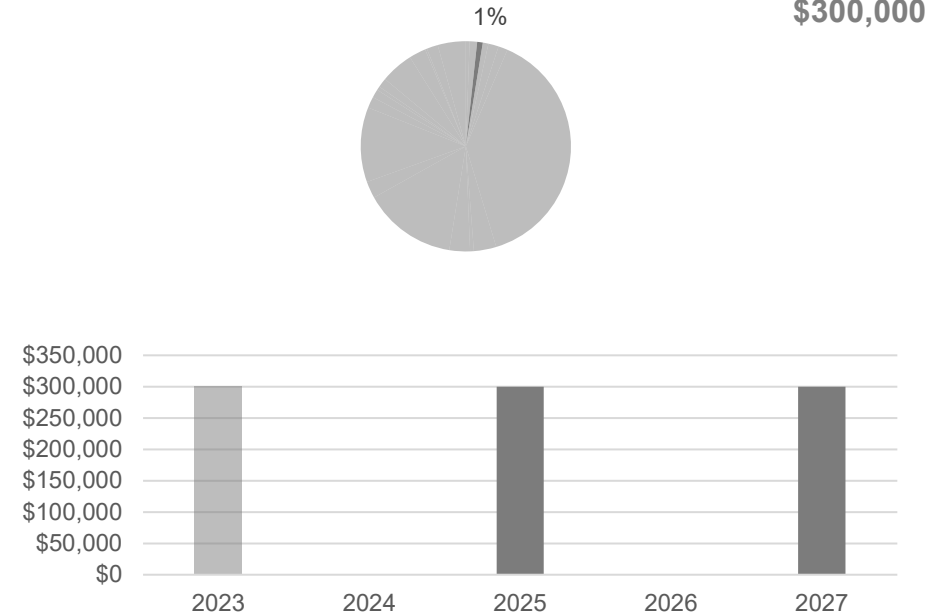
This program will address ongoing needs for repairs and modifications of MAC-owned buildings at the five of the reliever airports, excluding St. Paul. These items may include crew rest areas, heating, air conditioning, structural repairs, and aesthetic updates. The list of potential projects will be compiled and prioritized in early 2025.

\$400,000

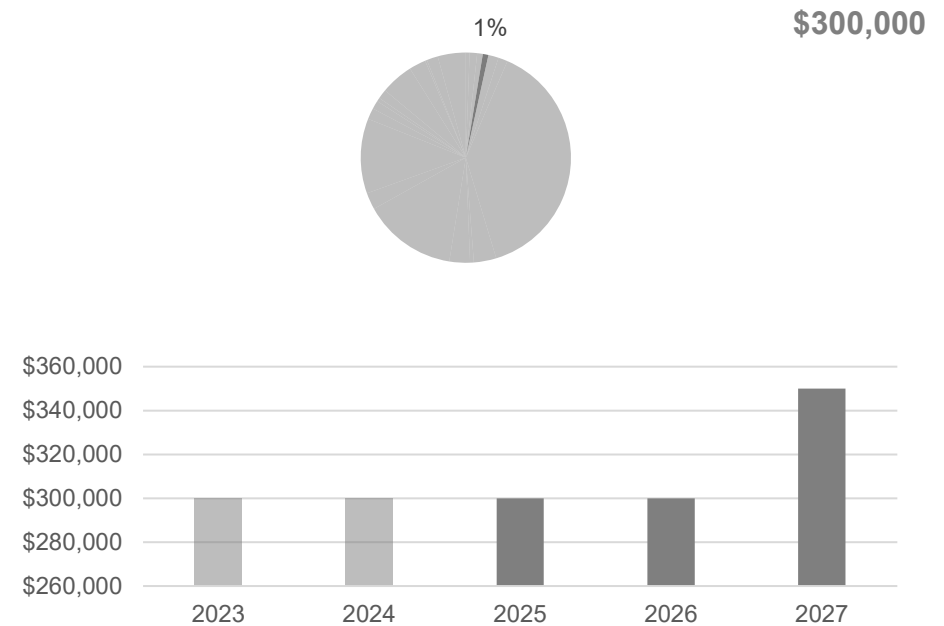


RELIEVERS OBSTRUCTION REMOVAL

This program will address ongoing needs for obstruction removals at the six reliever airports. The list of potential projects will be compiled and prioritized in early 2025.

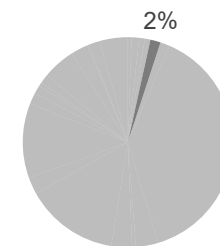
**RELIEVERS PAVEMENT REHABILITATION MISCELLANEOUS MODIFICATIONS**

This program will address ongoing needs for crack sealing, joint repairs, pavement rejuvenation, and pavement repairs at the six reliever airports. The list of potential projects will be compiled and prioritized in early 2025.



RELIEVERS USED OIL SHEDS AND TANKS

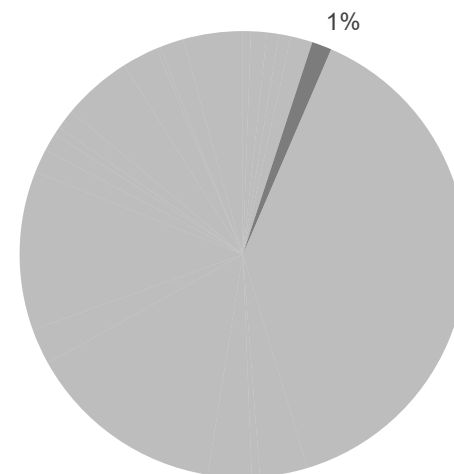
This program will assess and subsequently decommission and/or add used oil sheds at the reliever airports.



\$550,000

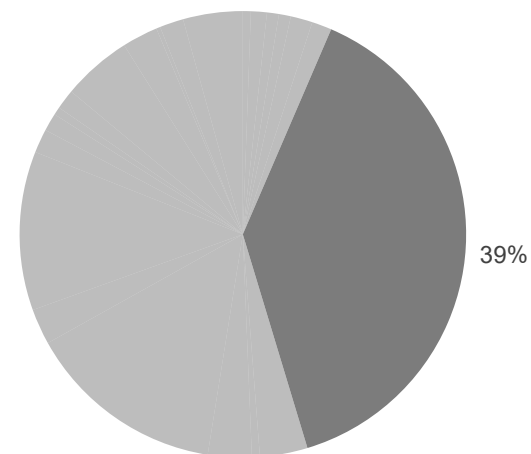
81 – ST. PAUL**STP AIRPORT PERIMETER ROADS**

This is part of an ongoing effort to rehabilitate airport pavements through bituminous overlays, seal coats, or in some instances, reconstruction, to restore the surfaces to a smooth, even condition and improve overall operating conditions. This project includes the rehabilitation of the airport perimeter road near the intersection of Bayfield Street and Airport Road.

\$500,000

**STP CUSTOMS AND BORDER PROTECTION GENERAL
AVIATION FACILITY****\$13,500,000**

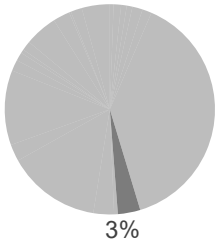
Customs and Border Protection (CBP) currently operates at STP out of a small space in the terminal building. The existing facility does not meet the requirements for space or security. Due to the restrictions of the existing space, passengers generally remain on the aircraft for the customs screening process. A secure facility separate from other functions has been requested. This facility will meet current CBP guidelines, including plans for sizing of the facility. The new facility will include adequate secure space for pre and post processing of passengers. The facility is expected to handle between 100-150 flights annually, with staff traveling to STP from MSP to provide screening for flights.



STP INFRASTRUCTURE REPLACEMENT

\$1,200,000

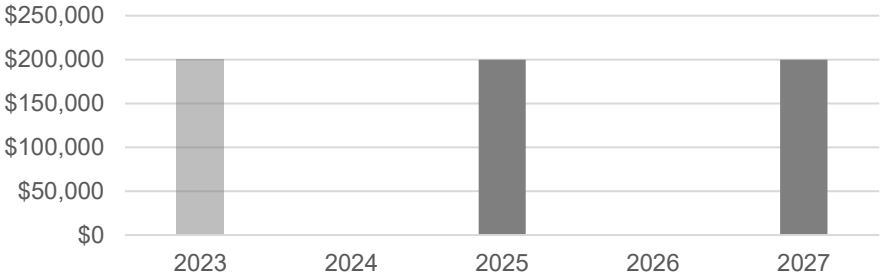
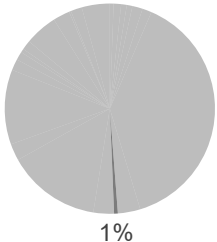
This project will upgrade mechanical systems to make them easier and safer to maintain and increase the comfort of all areas, including leasable spaces in the Holman Field terminal.



STP MAC BUILDING IMPROVEMENTS

\$200,000

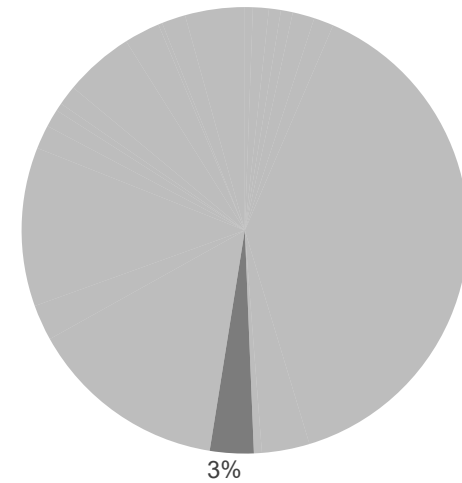
This is an ongoing program to provide for facility modifications to ensure continued efficient operation of MAC buildings or modifications necessary to meet the requirements of the tenants. The list of potential projects will be compiled and prioritized in early 2025.



STP TAXIWAY B RECONSTRUCTION AND LED EDGE LIGHTING

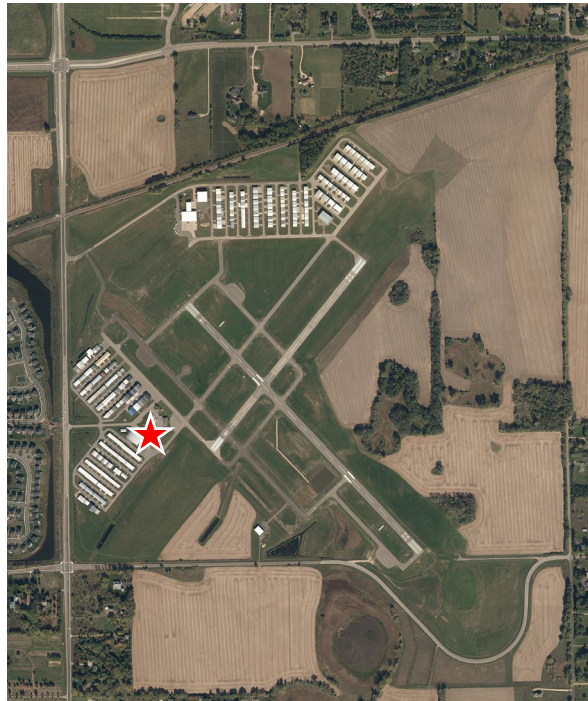
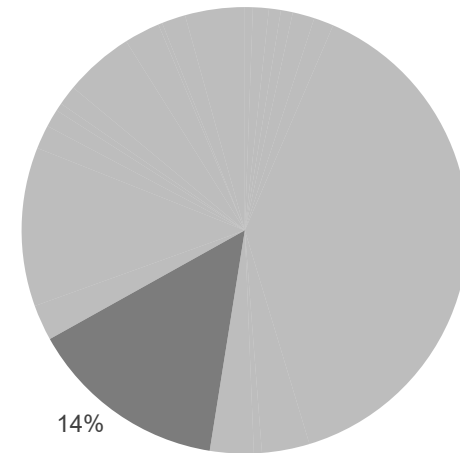
\$1,100,000

This project will reconstruct Taxiway B and install LED Edge Lighting to replace end of life lighting.



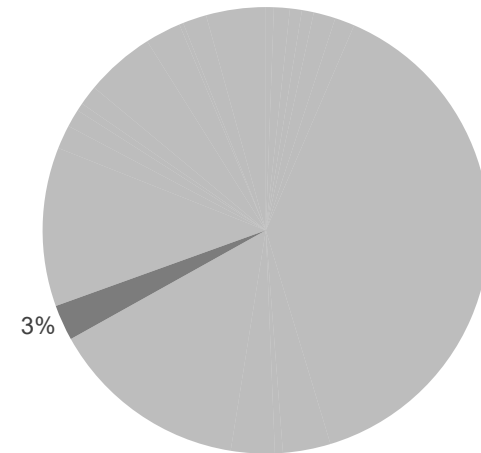
82 – LAKE ELMO**\$5,000,000****21D EQUIPMENT STORAGE BUILDING**

This project includes the construction of a MAC storage building for the containment of airfield maintenance equipment.



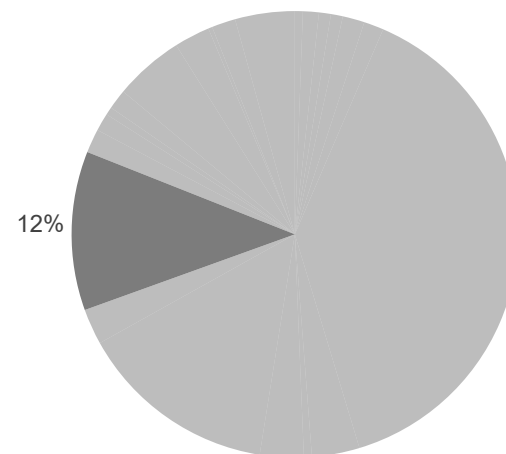
21D NORTH BUILDING AREA PAVEMENT RECONSTRUCTION**\$900,000**

This is an ongoing program to rehabilitate aircraft operational areas (runways, taxiways, aprons, taxilanes) through bituminous overlays, seal coats, or in some instances, reconstruction. The project will restore the surface to a smooth, even condition and improve overall operating conditions. The pavement condition index report, an inspection of the pavement, and geotechnical exploration will be completed to determine the extent of the repairs. This project includes the taxilanes and airport entrance road in the northwest building area.



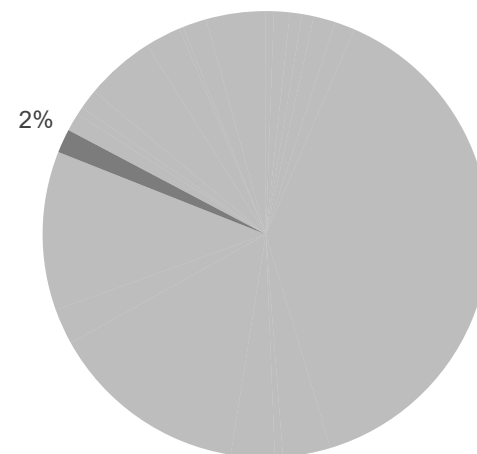
21D RUNWAY 04-22 PAVEMENT RECONSTRUCTION**\$4,000,000**

This project includes reconstruction of the full length of existing Runway 4-22. The updated long term comprehensive plan for this airport proposes an extension to the crosswind runway at the end of Runway 22. Construction of the extension is included in this project. Installation of runway edge lighting is also included.



21D TAXIWAY H RECONSTRUCTION**\$600,000**

This project will reconstruct Taxiway H on the north side of the airport.

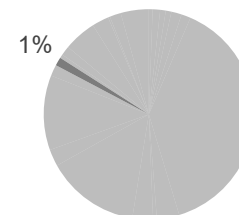


83 – AIRLAKE

LVN 225TH STREET PAVING

Paving of gravel road from Cedar Avenue to Maynard Lane for the south building area.

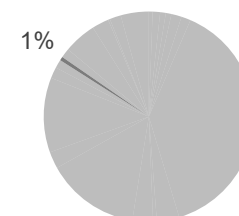
\$450,000



LVN AWOS REPLACEMENT

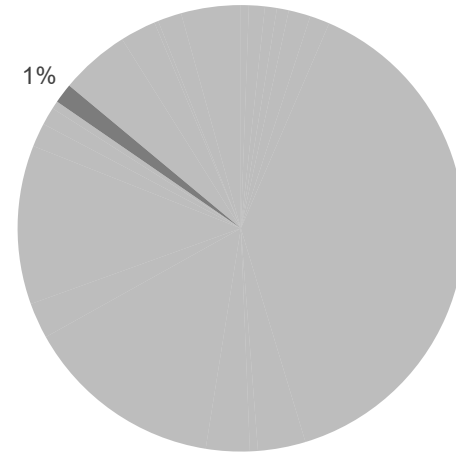
This project provides the civil work associated with a MnDOT Aeronautics project to replace the existing Automated Weather Observing System (AWOS) with a new system.

\$200,000



84 – FLYING CLOUD**\$500,000****FCM GATE REPLACEMENTS**

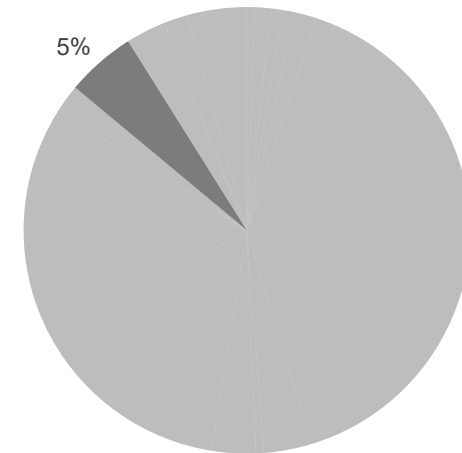
This project will replace airfield gates and gate operators to maintain and increase security conditions.



FCM INFRASTRUCTURE REPLACEMENT

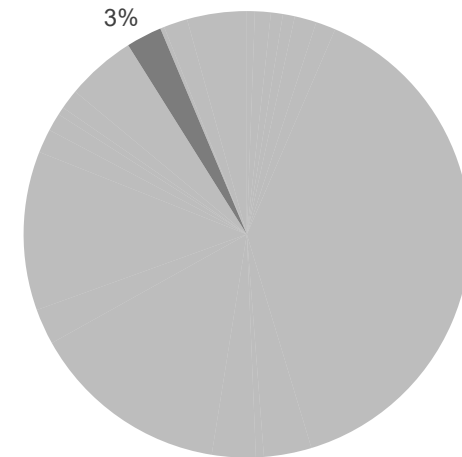
\$1,750,000

This project will replace aged HVAC equipment and systems to provide proper ventilation, heating, cooling, and monitoring of the systems. The scope includes roof top unit replacement, condensing units, exhaust fans, water heaters, and air compressors.



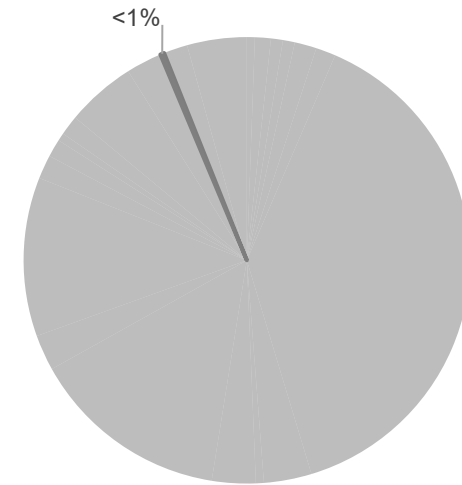
FCM NORTHSIDE ACCESS ROAD FROM BRAVO TO NOVEMBER LANE**\$900,000**

This project will provide pavement rehabilitation and drainage improvements to vehicle access roads serving a large user and tenant population to gain access to storage hangars.



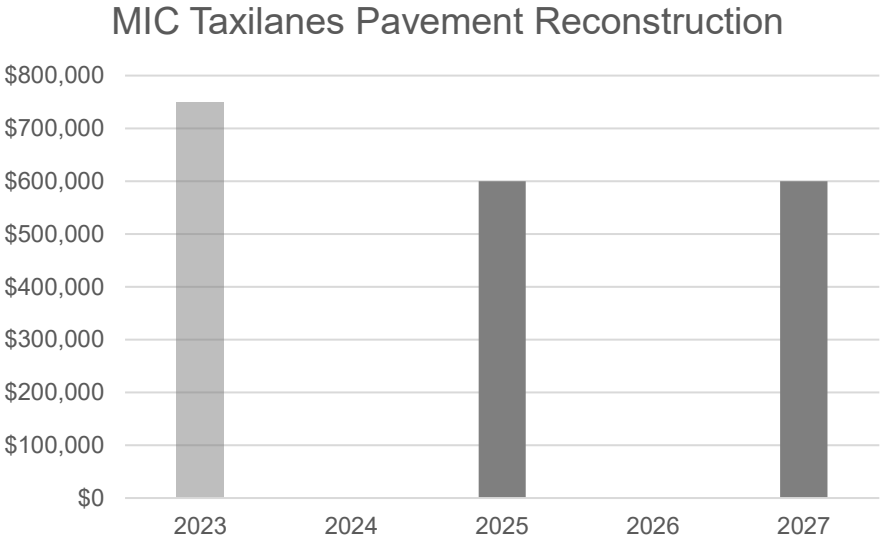
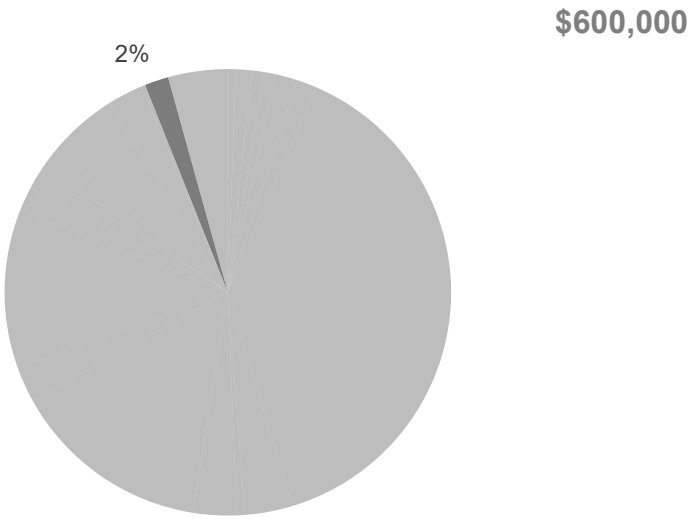
85 - CRYSTAL**MIC STORMWATER MONITORING LOCATION DRAINAGE REPAIR**

Repair and regrading of the stormwater benchmark monitoring location near the self-serve fueling system oil-water separator at Crystal airport.

\$100,000

MIC TAXILANES PAVEMENT RECONSTRUCTION

This is an ongoing program to rehabilitate aircraft operational areas (runways, taxiways, aprons) through bituminous overlays, seal coats, or in some instances, reconstruction, to restore the surfaces to a smooth, even condition and improve overall operating conditions.



MIC TOWER PARKING LOT RECONSTRUCTION

This project will provide a new oil water separator drainage discharge point for the parking lot and reconstruct the parking lot.

\$1,500,000

