Fiscal Year 2025
Five-Year Plan for the
Airport Capital Program
&
MDOT's Buildings and
Facilities Program

Airport Capital Program

The Airport Capital Program is based on project estimates provided by each individual Michigan Airport and includes Airport Improvement Program (AIP) Grants and Bipartisan Infrastructure Law (BIL) Grants, that may be competitive and at the discretion of the FAA. The actual annual AIP appropriation may need adjustments to reflect actual grants awarded.

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
NON PRIMARY AIRPORTS							
ADRIAN	Rehabilitate Taxiway (Parallel to Runway 5/23) - CON	342,601					
	Install Rwy Vert/Visual Guide System - Rwy 5/23 REILs (replacement) - CON	75,000					
	Expand Apron Design		180,000				
	Expand Apron Construction				2,560,000		
	Airport Development TBD		266,666			250,000	
	TOTAL						**$3,674,267**
ALLEGAN	Improve Hangar - Replace Hangar Doors - CON	227,000					
	Install Airport Development Perimeter Fencing (Non 49 CFP 1542) Phase 1 - Design		30,000				
	Install Airport Development Perimeter Fencing (Non 49 CFP 1542) Phase 1 - CON			399,000			
	Airport Development TBD		350,000		250,000	250,000	
	TOTAL						**$1,506,000**
ALMA	Reconstruct Runway Lighting 9/27 & 18/36 - CON	920,000					
	Rehabilitate Taxilane Construction		350,000				
	Rehabilitate 6 Unit Hanger - Design		42,000				
	Rehabilitate 6 Unit Hanger - Construction				730,000		
	Airport Development TBD			350,000		250,000	
	TOTAL						**$2,642,000**
ANN ARBOR							
	Install Taxiway Lighting - Twy A - Construction	1,213,000					
	Reconstruct Taxiway A (parallel) - Construction	4,357,000					
	Seal twy Pavement Surface/Joints - Design			25,000			
	Seal twy Pavement Surface/Joints - Construction			261,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$6,356,000**

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10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
ATLANTA							
	Reconstruct Runway 5/23 (~3,000' x 60') -CON	1,842,000					
	Reconstruct Runway Lighting 5/23 - CON	713,000					
	Acquire Land for Approaches Rwy 5/23 - Land Acquisition		70,000				
	Obstructions Marking/Lighting Removal (Non-Hazard)						
	Rwy23 - Design		55,000				
	Construct Taxiway (standards) - A to Rwy 23 - Design		87,000				
	Obstructions Marking/Lighting Removal (Non-Hazard)						
	Rwy23 - RSA Grading - CON			685,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$3,952,000**
BAD AXE							
	Construct Taxilane (for new GA Hangar Access) - CON	247,333					
	Reconstruct Airport Beacon - Design		8,000				
	Reconstruct Airport Beacon - Construction		77,000				
	Reconstruct Taxiway Lighting A including new for connectors B & E - Design		111,000				
	Reconstruct Taxiway Lighting A including new for connectors B & E - Construction		1,109,000				
	Acquire Snow Removal Equipment - Loader and Broom			150,000			
	Airport Development TBD			250,000	250,000	250,000	
	TOTAL						**$2,452,333**
BATTLE CREEK							
	Reconstruct Taxiway Lighting - Twy A CON	639,270					
	Construct Twy M - Design		364,000				
	Construct Twy M - Construction					5,717,000	
	Construct Twy M Ph 2 - Design			378,000			
	Construct Twy M Ph 2 - Construction				5,943,000		
	Airport Development TBD						
	TOTAL						**$13,041,270**
BAY CITY							
	Rehabilitate Taxiway A (Parallel to Rwy 18/36)- design	64,000					
	Rehabilitate Taxiway A (Parallel to Rwy 18/36) - Construction		965,000				
	Rehabilitate Taxiway B - Design			40,500			
	Rehabilitate Taxiway B - Construction			670,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,239,500**

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AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
BEAVER ISLAND	Rehabilitate Runway 9/27 (4300' x 75') - CON	3,145,000					
	Reconstruct Runway Lighting 9/27 MIRL including guidance signs - CON	895,000					
	Rehabilitate Taxiway (TDG Pending) - CON	385,000					
	Rehabilitate Apron Terminal (x SYD) - CON	595,000					
	Install Rwy Vert/Visual Guide System - Rwy 9/27 LED PAPI & LED REIL - CON	610,000					
	Install Misc NAVAIDs - Primary Windcone CON	95,000					
	Airport Development TBD		300,000	300,000	250,000	250,000	
	TOTAL						**$6,825,000**
BELLAIRE							
	Acquire Easement for Approaches - Rwy 2 (Parcels TBD)	166,667					
	Construct Taxiway Hangar Area		682,000				
	Construct Access Road Hangar Area		441,000				
	Land Acquisition Easements Obstr Removal		300,000	280,000	204,000		
	Airport Development TBD					250,000	
	TOTAL						**$2,323,667**
BENTON HARBOR							
	Reconstruct Apron - Terminal (~20,000 SYD PCC) including portion of Twy A - CON	166,667					
	Reconstruct Apron Terminal - Construction			5,000,000			
	Rehab Terminal		750,000				
	Acquire SRE - Construction		500,000	600,000			
	Acquire SRE - Construction		300,000				
	Rehab Taxilane WT Hangar			1,000,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$8,816,667**
BIG RAPIDS							
	Rehab Taxilane		220,000				
	Reconstruct Rwy Lighting Construction		885,000				
	Rehab Apron Terminal Construction			1,100,000			
	Construct Taxiway -East Construction				1,720,000		
	Airport Development TBD					350,000	
	TOTAL						**$4,275,000**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
BOIS BLANC ISLAND							
	Rehabilitate Runway 10/28 - CON (AIP portion) 100% Fed	109,126					
	Rehabilitate Runway 10/28 - CON (AIP portion) 90% Fed	646,986					
	Rehabilitate Taxilanes - CON	250,000					
	Rehabilitate Rwy 10/28 incl. Connector & Apron (seal, surface treatment, markings) - Design						
	Rehabilitate Rwy 10/28 incl. Connector & Apron (seal, surface treatment, markings) - Construction		1,350,000				
	Airport Development TBD			3,000	250,000	250,000	
	TOTAL						**$2,859,112**
CADILLAC							
	Rehab Runway - Airfield Sealing & Marking	100,000					
	Rehabilitate Taxilane - West T Hanger - Design		50,000				
	Rehabilitate Taxilane - West T Hanger - Construction		380,000				
	Rehabilitate Taxilane - East T Hanger - Design				30,000		
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$1,410,000**
CARO							
	Construct SRE Building - CON	635,000					
	Land Acquisition		350,000				
	Obstruction Clearing		380,000				
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$2,215,000**
CHARLEVOIX							
	Airfield Sealing & Marking (will need separate concepts)	129,500					
	Conduct MP update - ALP & narrative report	193,334					
	Conduct MP update - ALP		200,000				
	Acquire Misc. Land - RR ROW - Southside of Airport property		100,000				
	Airport Development TBD			300,000	250,000	250,000	
	TOTAL						**$1,422,834**

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AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
CHARLOTTE							
	Rehabilitate Apron - Terminal (PCC panel rehab & Joint repairs) - design	35,000					
	Rehab Apron Terminal (PCC panel rehab & joint repairs) - CON		200,000				
	Construct Building 8-Unit Hanger - Design			45,000			
	Construct Building 8-Unit Hanger - Design				860,000		
	Airport Development TBD		300,000			25,000	
	TOTAL						**$1,465,000**
CHEBOYGAN	Seal Rwy Pavement Surface/Joints - Airfield Sealing & Marking	90,000					
	Rehabilitate Taxiway B - Construction		335,000				
	Rehabilitate Taxiway B Lighting - Construction		205,000				
	Airport Development TBD						
	Rehabilitate Runway 10/28 - Design		145,000				
	Rehabilitate Runway 10/28 Lighting - Design		38,000				
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$1,663,000**
CLARE							
	Rehabilitate Runway 4/22 (~3500' x 75') - design	128,500					
	Rehabilitate Runway 4/22 - Construction		1,601,500				
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$2,580,000**
COLDWATER							
	Seal Rwy Pavement Surface/Joints - Airfield Sealing & Marking	55,000					
	Install Taxiway Lighting A, B & F incl. connectors & apron - CON	1,560,000					
	Rehabilitate Taxiway B, F East and 8 Hanger Taxiway - Design		75,000				
	Rehabilitate Taxiway B, F East and 8 Hanger Taxiway - Design			1,065,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$3,255,000**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
DETROIT CITY							
	Rehab Runway 7/25		1,800,000				
	Cargo Bldg and Parking Lot		250,000	2,200,000			
	Remove Obstructions			3,305,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$8,055,000**
DOWAGIAC							
	Rehabilitate Taxiway - CON	203,000					
	Rehabilitate Apron - CON	137,000					
	Rehabilitate Runway 9/27 - design	100,000					
	Rehabilitate Runway 9/27 - CON				2,083,000		
	Airport Development TBD		350,000	350,000		250,000	
	TOTAL						**$3,473,000**
EVART							
	Unclassified Airport - Development TBD						
	TOTAL						**$0**
FRANKFORT	Acquire Easement for Approaches - Rwy 15 (Parcels E39, E42, E43 & E44)	255,000					
	Airport Development TBD		350,000	350,000	250,000	250,000	
	TOTAL						**$1,455,000**
FREMONT							
	Rehabilitate Runway 10/28 - CON (AIP)	1,056,000					
	Rehabilitate Runway 10/28 - CON (BIL)	70,667					
	Rehabilitate 10/28 (3502' x 75') - CON phase	1,595,000					
	Airport Development TBD		350,000	350,000	250,000	250,000	
	TOTAL						**$3,921,666**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
GAYLORD							
	Acquire SRE - Carrier vehicle w/ displacement plow	380,000					
	Construct New Hangar		700,000				
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$1,930,000**
GLADWIN	Rehabilitate Taxiway - Parallel Twy C, Connector Twy A & Twy H (to Hangar Area) including Terminal Apron - design	150,000					
	Rehabilitate Rwy 9/27 -Surface Treatment - Design				150,000		
	Rehabilitate Rwy 9/27 -Surface Treatment - Construction						
	Rehabilitate Twy - CON		150,000				
	Rehabilitate terminal apron - CON		355,000				
	Airport Development TBD			350,000	150,000	150,000	
	TOTAL						**$1,455,000**
GRAND HAVEN							
	Acquire Easement for Approaches - Rwy 27 (Parcels E65 & E66 sponsor reimbursement)	135,000					
	Obstruction Removal Rwy 27 (Parcels E65 and E66)		61,667				
	Airport Development TBD		150,000	250,000	250,000	250,000	
	TOTAL						**$1,096,667**
GRAND LEDGE							
	Reconstruct Taxiway Lighting (Parallel to Rwy 9/27) - CON 100% Fed	100,692					
	Reconstruct Taxiway Lighting (Parallel to Rwy 9/27) - CON	944,308					
	Construct 6 Unit T Hangar - Design		85,000				
	Construct 6 Unit T Hangar - CON			1,195,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,825,000**
GRAYLING	Development TBD						
	TOTAL						**$0**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
GREENVILLE							
	Seal Runway Pavement/Joints - Airfield Sealing & Marking	110,000					
	Construct 6 Unit T Hangar - Design		25,000				
	Construct 6 Unit T Hangar - Construction		385,000				
	Rehabilitate Runway - Seal and Remark Airfield - Construction		92,000				
	Airport Development TBD		300,000	250,000	250,000	250,000	
	TOTAL						**$1,662,000**
GROSSE ILE							
	Seal Taxiway Pavement Surface/Joints - Twy C Concrete Joint Sealing - CON	400,000					
	Improve Terminal Building - design	65,000					
	Airport Development - TBD		300,000	250,000	250,000	250,000	
	TOTAL						**$1,515,000**
HART-SHELBY							
	Obstruction Removal - Rwy 9/27 (parcels TBD) - CON 100% Fed	4,789					
	Obstruction Removal - Rwy 9/27 (parcels TBD) - CON 90% Fed	657,712					
	Construct Hanger - 6 Unit - Construction		539,629				
	Airport Drainage Erosion Control				245,000	245,000	
	Airport Development TBD			350,000			
	TOTAL						**$2,042,130**
HASTINGS							
	Rehabilitate Taxilane (Hangar Area) - Design	57,900					
	Rehab Taxilane T Hangar Construction		881,000				
	Construct Hangar		150,000	450,000			
	Airport Development - TBD				250,000	250,000	
	TOTAL						**$2,038,900**

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10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
HILLSDALE							
	Construct SRE Building - CON	620,000					
	Construct Taxiway - Parallel C Phase 3 - Design						
	Construct Taxiway - Parallel C Phase 3 - Construction		1,095,600				
	Airport Development - TBD			300,000	250,000	250,000	
	TOTAL						**$2,515,600**
HOLLAND							
	Rehabilitate Taxiway A (parallel to Runway 8/26) - design	217,500					
	Rehabilitate Apron - West - Overflow Apron - Design		102,000				
	Rehabilitate Apron - West - Overflow Apron - Construction			1,950,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,769,500**
HOUGHTON LAKE							
	Construct Fuel Farm - design	45,000					
	Rehab Hangar		1,010,000				
	Construct Fuel Farm - CON			395,000			
	Obstruction Rwy 36				250,000	250,000	
	TOTAL						**$1,950,000**
HOWELL							
	Rehabilitate Taxiway C including Taxilane 1, South Apron, Service Road - design	90,000					
	Rehabilitate Taxiways C & Taxilane 1 - South Apron - Construction		1,446,000				
	Rehabilitate Apron - Design		199,000				
	Rehabilitate Apron - Construction		25,000				
	SRE Loader			382,000			
	Rehab Seal Runway			150,000	374,000		
	ALP Update					500,000	
	TOTAL						**$3,166,000**
IONIA							
	Rehabilitate Runway 9/27 - design	146,200					
	Rehabilitate Runway 9/27 Lighting - CON			554,000			
	Airport Development TBD		300,000		250,000	250,000	
	TOTAL						**$1,500,200**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
IRONWOOD							
	Expand Apron (GA) - CON	401,697					
	Acquire SRE - Carrier vehicle w/ broom	700,000					
	Preliminary ALP Obstructions - Planning		30,000				
	Update APL and Narrative Report			250,000			
	Airport Development TBD		300,000		250,000	250,000	
	TOTAL						**$2,181,697**
JACKSON							
	Rehabilitate Apron - Auxiliary - CON	427,556					
	Seal Rwy Pavement/Joints - Airfield Crack Sealing	100,000					
	Rehabilitate Taxiway F and SW Hanger Area - Design		42,000				
	Rehabilitate Taxiway F and SW Hanger Area - Construction			658,000			
	Airport Development TBD		400,000		250,000	250,000	
	TOTAL						**$2,127,556**
LAKEVIEW							
	Seal Rwy Pavement Surface/Joints - Airfield Crack Sealing & Paint Marking	95,000					
	Install Perimeter Fencing - design	40,000					
	Construct Fuel Farm 100LL - Construction		476,667				
	Rehabilitate Taxiway and Taxilane - Design		20,000				
	Rehabilitate Taxiway and Taxilane - Construction			212,000			
	Airport Development TBD			100,000	250,000	250,000	
	TOTAL						**$1,443,667**
LAPEER							
	Seal Rwy Pavement Surface/Joints - Airfield Sealing & Marking	35,000					
	Rehabilitate Taxiway A - design	80,000					
	Install Fuel Farm - Construction		495,000				
	Rehabilitate Taxiway A - Design			65,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$1,175,000**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
LUDINGTON							
	Construct Taxiway B - design	86,250					
	Shift or Reconfigure Runway 1/19 - design	60000					
	Reconstruct Runway Lighting 1/19 - design	50,000					
	Rehabilitate Runway Lighting 8/26		715,000				
	Reconstruct Runway Lighting 1/19		1,100,000				
	Construct Taxiway B		1,437,500				
	Airport Beacon			132,000			
	Airport Development TBD			150,000	250,000	250,000	
	TOTAL						**$4,230,750**
MACKINAC ISLAND							
	Rehabilitate Apron including Expansion - design	75,000					
	Construct Building - Box Hangar - Construction		815,000				
	Rehabilitate Apron including expansion - Construction			865,600			
	Expand Apron (grass pavers) - Construction			380,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,635,600**
MANISTEE							
	Shift or Reconfigure Existing Taxiway - Connector F from Apron - design	90,000					
	Reconstruct Taxiway Parallel A and Connectors C & F - design	260,000					
	Reconstruct Taxiway Lighting Parallel A and Connectors C & F - design	105,000					
	Taxiway A-F (Disc)- Construction				6,000,001		
	Terminal Construction					2,200,001	
	Reconstruct Taxiway A - Design						
	Airport Development TBD		250,000	250,000			
	TOTAL						**$9,155,002**
MANISTIQUE							
	Rehabilitate Runway 10/28 - CON	1,500,000					
	Airport Beacon -Design & Construction		150,000	85,000			
	Reconstruct Rwy Lighting 10/28				485,000		
	Airport Development TBD					350,000	
	TOTAL						**$2,570,000**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
MARLETTE							
	Construct Box Hanger - Design		56,000				
	Construct Box Hanger -Construction		692,000				
	Airport Development TBD			350,000	250,000	250,000	
	TOTAL						**$1,598,000**
MARSHALL							
	Seal Rwy Pavement Surface/Joints - Airfield Sealing & Marking	30,000					
	Rehabilitate Apron North - Construction		275,000				
	Rehabilitate Apron West parallel - Construction		420,000				
	Install Perimeter Fencing - North - Design			15,000			
	Install Perimeter Fencing - North - Construction			155,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$1,395,000**
MASON							
	Reconstruct Runway 10/28 - Design		122,000				
	Rehabilitate Runway 10/28 - Construction				1,375,000		
	Airport Development TBD		300,000	350,000		250,000	
	TOTAL						**$2,397,000**
MENOMINEE							
	Rehabilitate Taxilane (Hangar Area) - CON	313,833					
	Rehabilitate Runway 14/32 - Design			143,000			
	Reconstruct Runway Lighting 14/32 MIRL - Design			37,000			
	Airport Development TBD		350,000		250,000	250,000	
	TOTAL						**$1,343,833**

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AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
MIDLAND							
	Acquire Easement for Approaches - Rwy 24 (~ 4 Parcels TBD)	250,000					
	Obstruction Removal - Rwy 24 - Design		200,000				
	Obstruction Removal - Rwy 24 - Construction			187,000			
	Rehabilitate Taxiway South				408,000		
	Airport Development TBD		250,000	200,000		250,000	
	TOTAL						**$1,745,000**
MIO							
	Seal Rwy Pavement - Airfield Crack Sealing - 100%	15,000					
	Rehab Runway - Airfield Paint Marking -100%	6,000					
	Construct Taxilane (Hangar Area) - CON	166,667					
	Acquire Easement for Approaches - Runway 10 - Land Acquisition		141,000				
	Obstruction Removal - Approach Tree Clearing - Design		17,500				
	Obstruction Removal - Approach Tree Clearing - Construction			92,500			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$938,667**
MONROE							
	Rehabilitate Runway 3/21 - design	230,000					
	Rehabilitate Runway 3/21 - Construction		5,159,000				
	Airport Development PAPI's				943,000	943,000	
	Airport Development TBD			150,000			
	TOTAL						**$7,425,000**
MOUNT PLEASANT							
	Rehabilitate Runway 9/27 (5000' x 100')	166,667					
	Rehabilitate Runway 9/27 - Construction		2,722,000				
	Reconstruct Taxilane - T Hanger Taxilanes - Design		68,150				
	Reconstruct Taxilane - T Hanger Taxilanes - Construction			1,222,300			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$4,679,117**
NEW HUDSON							
	Reconstruct Runway 8/26 - design	475,000					
	Reconstruct Runway Lighting 8/26 - design	180,000					
	Obstruction Removal - Tree Clearing - Rwy 8/26 Phase 1 - Construction		905,000				
	Reconstruct Runway 8/26 - Construction					6,350,000	
	Reconstruct Runway Lighting 8/26 - Construction					2,570,000	
	Airport Development TBD			250,000	250,000		
	TOTAL						**$10,980,000**

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10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
NEWBERRY							
	Rehabilitate Apron - Terminal including Taxiway - design	24,000					
	Rehabilitate Apron Terminal, Taxiway & Taxilane		980,000				
	Construct Terminal Building - Design		40,000				
	Construct Terminal Building - Construction			400,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$1,944,000**
NILES							
	Acquire Easement for Approaches Rwy 33 (Parcels TBD)	166,666					
	Remove Obstructions - Twy 33 - Tree Clearing Phase 2 - Construction		225,000				
	Acquire Easement for Approaches - Rwy 33 Phase 4		240,000				
	Acquire Easement for Approaches - Rwy 15 Phase 4			200,000			
	Airport Development TBD			150,000	250,000	250,000	
	TOTAL						**$1,481,666**
ONTONAGON							
	Seal Rwy Pavement Surface/Joints - Airfield Sealing & Marking	75,000					
	Rehabilitate Apron - Design		46,000				
	Rehabilitate Apron - Construction		714,000				
	Acquire Easement for Approaches - Rwy 17 & 35			167,000			
	Airport Development TBD Fuel Farm				250,000	250,000	
	TOTAL						**$1,502,000**
OSCODA-WURTSMITH							
	Rehabilitate Taxiway E - Phase 2 - Construction	3,000,000				8,000,000	
	Construct Apron-Design	\					
	Construct Apron-Con			2,321,500			
	Airport Development TBD				150,000	150,000	
	TOTAL						**$13,621,500**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
OWOSSO							
	Rehab Runway - Airfield Paint Marking	17,500					
	Seal Rwy Pavement Surface/Joints - Airfield Sealing	22,500					
	Install Perimeter Fencing (South property line adj to River) - design	25,000					
	Install Fencing - perimeter - South - Construction		325,000				
	Replace Terminal			2,000,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,890,000**
PLYMOUTH							
	Airport Development TBD		500,000	350,000	250,000	250,000	
	TOTAL						**$1,350,000**
PONTIAC							
	Rehabilitate Taxiway A - design	250,000					
	Reconstruct Taxiway Lighting A - design	55,000					
	Rehabilitate Taxiway B (Parallel to Runway 4/22) - CON	166,667					
	Airport Development TBD		1,000,000	1,000,000	250,000	250,000	
	TOTAL						**$2,971,667**
PORT HURON							
	Obstruction Removal - Twy - Phase Construction		650,000	650,000			
	Land Acquisition		505,000	385,000			
	Airport Development TBD			150,000	25,000	25,000	
	TOTAL						**$2,390,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
ROGERS CITY							
	Airport Development TBD						
	TOTAL						**$0**
ROMEO							
	Airport Development - TBD		300,000	250,000	250,000	250,000	
	TOTAL						**$1,050,000**
SAGINAW - HARRY W. BROWNE							
	Rehabilitate Taxiway A & E West - CON	1,070,000					
	Reconstruct Parking Lot and Entrance Road - Design		60,000				
	Reconstruct Parking Lot and Entrance Road - Construction			790,000			
	Airport Development - TBD				250,000	250,000	
	TOTAL						**$2,420,000**
ST. IGNACE							
	Seal Apron Pavement Surface/Joints - CON	375,000					
	Install Fencing - partial perimeter - Construction		238,000				
	Install Taxiway Lighting - Design		45,000				
	Install Taxiway Lighting - Construction			619,000			
	Airport Development - TBD				250,000	250,000	
	TOTAL						**$1,777,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
SANDUSKY							
SANDUSKY	Reconstruct Runway Lighting 10/28 incl. PAPIs - design	124,000					
	Reconstruct Runway Lighting 10/28 - Construction		1,114,000				
	Construct T hangar				1,140,000		
	Airport Development - TBD			350,000		250,000	
	TOTAL						**$2,978,000**
SOUTH HAVEN							
	Rehabilitate Runway 5/23 - CON	2,360,000					
	Obstruction Removal - Rwy 23 Phase 2 (4 parcels) - Design		457,000				
	Acquire Easement for Approaches - Rwy 5		334,000				
			15,000				
	Improve Access Road Entrance - Design		37,000				
	Remove Obstructions RNAV Approach - Rwy 5 - Construction			184,000			
	Improve Access Road Entrance - Construction			423,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$4,310,000**
SPARTA							
	Rehabilitate Runway 7/25 - Design		100,000				
	Rehabilitate Runway 7/25 - Construction			1,600,000			
	Airport Development TBD		150,000		150,000	150,000	
	TOTAL						**$2,150,000**
STATEWIDE							
	Crack Sealing, Paint Marking	250,000	250,000	250,000	250,000	250,000	
	TOTAL						**$1,250,000**
STATEWIDE							
	PCI Surveys	400,000	400,000	400,000	400,000	400,000	
	Misc. State/Local projects for airports in MASP	750,000	750,000	750,000	750,000	750,000	
	TOTAL						**$5,750,000**
STURGIS							
	Construct Access Road - Construction		235,000				
	Construct Taxiway (standards) D - Design		185,000				
	Construct Taxiway (standards) D - Construction			1,044,000			
	Terminal Construction						
	Airport Development TBD				250,000	250,000	
	TOTAL						**$1,964,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
THREE RIVERS							
	Acquire Easement for Approaches Rwy 27 Phase 2 (Parcels TBD)	350,000					
	Rehabilitate Rwy		1,213,000				
	Rehabilitate Apron		232,000		1,638,000		
	Rehabilitate Taxiway			150,000		1,244,000	
	TOTAL						**$4,827,000**
TROY							
	Obstruction Removal - Rwy 9/27 (Parcels TBD) - design	30,000					
	Obstruction Removal - Rwy 9/27 (Parcels TBD) - CON	136,667					
	Rehabilitate Taxiway - Hangar Taxilanes - Design		40,000				
	Reconstruct Perimeter Fencing - Perimeter - Design			40,000			
	Rehabilitate Taxiway - Hangar Taxilanes - Construction			374,000			
	Reconstruct Perimeter Fencing - Perimeter - Construction				410,000	410,000	
	TOTAL						**$1,440,667**
WEST BRANCH							
	Install Rwy Vert/Visual Guide System - Rwy 9/27 LED PAPI (4-light unit) - design	50,000					
	Install Rwy Vert/Visual Guide System Rwy 9/27 PAPIs - Construction		390,000				
	Reconstruct Rwy Lighting Rwy 9/27 - Construction			650,000			
	Perimeter Fencing - Construction			530,000			
	Airport Development TBD				250,000	250,000	
	TOTAL						**$2,120,000**
WHITE CLOUD							
	Rehabilitate Apron (~3,100 SYD) - CON	400,000					
	Construct Taxiway - Hangar access - Design				45,000		
	Construct Hanger 6 Unit - Design				80,000		
	Construct Taxiway - Partial Parallel - Design		80,000				
	Construct Taxiway - Partial Parallel - Construction			1,080,000			
	Construct Taxiway - Hangar access - Construction		575,000				
	Airport Development TBD				150,000	250,000	
	TOTAL						**$2,660,000**
	NON-PRIMARY AIRPORT TOTALS:	**$35,638,422**	**$64,507,879**	**$51,589,400**	**$42,198,001**	**$45,279,001**	**$239,212,703**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
PRIMARY AIRPORTS							
ALPENA COUNTY REGIONAL							
APN	Reconstruct Taxiway C	11,600,000					
	Building Development T Hangars	1,200,000					
	Building Development Box Hangars		3,900,000				
	Reconstruct Taxiway G		1,000,000	12,500,000			
	SRE Building				400,000	4,900,000	
	Reconstruct Taxiway D					4,000,000	
	TOTAL						**$39,500,000**
DETROIT, WILLOW RUN							
YIP							
	New Parallel Twy East of RWY 5/23	26,000,000					
	Construct Taxiway Fox (East Ramp)	1,500,000	10,250,000				
	Fire Station Rehab			1,000,000			
	Airport Development TBD			2,000,000	2,000,000	2,000,000	
				-			
	TOTAL						**$44,750,000**
DETROIT METRO WAYNE COUNTY							
DTW							
	Taxiway Kilo (K) North of Runway 9L/27R	2,500,000	27,300,000	26,300,000			
	Airfield Pavement Rehab/Reconstruction	4,000,000					
	BIL Grant - Taxiway K - South (in addition to AIP)	6,250,000					
	BIL Grant - Dingell Drive South Tunnel Storm drain Replacement	2,375,000					
	BIL Grant - Runway 3L De-ice Pad - Design	1,375,000					
	Runway 3L Deicing Pad Expansion		10,000,000				
	BIL Grant - 3L De-icing Pad Expansion (above AIP Funding)		2,500,000				
	BIL Grant - Taxiway Zulu (Z) Reconstruction/Relocation of Southern Portion	1,600,000	21,000,000				
	BIL Grant - North Terminal Apron Expansion		2,750,000				
	Apron, Taxiway & Deicing Pad Rehabilitation/Reconstruction Package 6 (McNamara Terminal)		5,000,000	45,000,000			
	Master Plan and Airport Layout Plan Update				1,250,000		
	Airport Development				10,000,000	10,000,000	
	TOTAL						**$179,200,000**
ESCANABA, DELTA COUNTY							
ESC							
	Design Runway 1/19 OFA Improvements	100,000					
	Construct Runway 1/19 OFA Improvements		1,727,000				
	Commercial Apron Rehabilitation		2,150,000				
	RPZ - Land Acquisition			275,000			
	Airport Development TBD				1,000,000	1,000,000	
	TOTAL						**$6,252,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
FLINT, BISHOP INTERNATIONAL							
FNT							
	Airfield Stormwater Rehabilitation- Construction	2,900,000	5,000,000				
	Corp. Dev. Perimeter Road	1,500,000					
	Federal Inspection Station- Construction	950,000	12,300,000				
	Pass. Boarding Bridges		4,500,000				
	TWY B Rehabilitation			3,500,000			
	Terminal Rehab Skywalk- Construction			4,000,000			
	Runway 18-36 Extension				4,000,000	13,000,000	
	Shuttle Lot Rehabilitation				1,500,000		
	Airport Development TBD					1,000,000	
	TOTAL						**$54,150,000**
GRAND RAPIDS, GERALD R. FORD INTERNATIONAL							
GRR							
	Baggage Claim Expansion	17,000,000					
	TWY K Extension		16,500,000	16,500,000			
	TWY F	4,900,000	1,350,000				
	TWY Z1 Rehab		780,000				
	Taxi T Construction		2,500,000	25,100,000			
	Runway 8R/26L Approach End Twy Improvements-Design	2,500,000		12,900,000			
	Apron GA South				2,600,000		
	Runway 17/35			1,000,000	12,000,000		
	Airport Dev FIS TBD					10,000,000	
	TOTAL						**$125,630,000**
HANCOCK, HOUGHTON COUNTY MEMORIAL							
CMX							
	T Hangars	500,000					
	Box Hangars	500,000					
	CBR Terminal Building Site Preparation	500,000					
	Construct Terminal Building		7,500,000				
	Acquire Passenger Lift Device - Loading Bridge		1,000,000				
	Remove Terminal Building			100,000			
	Reimburse CBR & Design SRE / ARFF Building			750,000			
	Construct SRE / ARF Building Site Work				600,000		
	Airport Development TBD				380,000	1,000,000	
	TOTAL						**12,830,000**
IRON MOUNTAIN, FORD							
IMT							
	New Terminal	1,900,000	19,500,000				
	SRE Building		200,000	4,200,000			
	Airfield Marking and Sealing				320,000		
	Land Acquisition/Obstruction removal (RWY 31)				720,000		
	SE Apron Rehabilitation					1,000,000	
	TOTAL						**$27,840,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
KALAMAZOO/BATTLE CREEK INTERNATIONAL							
AZO							
	Pfizer Land Acquisition	1,430,000					
	MANN HUMMEL ACQUISITION	495,000					
	RR LAND ACQUISITION FOR RELOCATION	850,000					
	RUNWAY 17 APPROACH LAND ACQUISITION	4,000,000					
	UTILITY RELOCATION DESIGN	300,000					
	RAILROAD FINAL DESIGN	750,000					
	TREE CLEARING DESIGN	100,000					
	RAILROAD PRELIMINARY DESIGN REIMBURSABLE AGREEMENT		41,053				
	TREE CLEARING CONSTRUCTION		2,000,000				
	EXTENSION & RIM FINAL DESIGN		980,000				
	UTILITY RELOCATION CONSTRUCTION			3,000,000			
	RAILROAD CONSTRUCTION			9,600,000			
	EXTENSION & RIM CONSTRUCTION				14,600,000		
	FAA Reimbursable Agreement #3 (Final Design)				400,000		
	FAA Reimbursable Agreement #4 (Construction Oversite)					500,000	
	FAA Reimbursable Agreement #5 (Equipment)					1,000,000	
	ALP & AGIS UPDATE					200,000	
	Airport Development TBD					1,000,000	
	TOTAL						**$41,246,053**
LANSING CAPITAL REGIONAL INTERNATIONAL							
LAN							
	Rehabilitate RWY 10R-8L - Design	250,000					
	Rehabilitate RWY 10R-8L - Construction		5,700,000				
	Terminal Design	1,000,000	500,000				
	Reconstruct Twy H			270,000	4,300,000		
	Improve Term PBB				9,000,000		
	Airport Development TBD					2,000,000	
	TOTAL						**$23,020,000**
MARQUETTE, SAWYER							
SAW							
	Terminal Expansion	2,000,000		10,000,000	17,300,000		
	Commercial Apron Construction		380,000	5,600,000			
	General Aviation Apron Construction	4,600,000					
	Rehabilitate Runway (Crack Sealing and Airfield Markings)		220,000			220,000	
	ARFF		200,000	1,110,000			
	SRE				400,000	400,000	
	Airport Development TBD					1,000,000	
	TOTAL						**$43,430,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
MUSKEGON COUNTY							
MKG							
	SRE (Multi-unit with Broom, Blower, and Plow)	1,000,000					
	Rehab. Twy B, C, D, E, F, G, H, J, K, Taxilanes, Aprons (Remark) - Construction						
	Acquire Land (Runway 6/24 Standards)		400,000				
	North GA Ramp Pavement Rehab (Construction)	3,160,000		3,160,000			
	Rehab Twy G F and K		115,000				
	Taxiway B Design		401,000				
	Taxiway B Con			4,615,000			
	SRE (Multi-unit with Broom, Blower, and Plow)			1,100,000			
	Airport Development TBD				1,000,000	1,000,000	
	TOTAL						**$15,951,000**
PELLSTON REGIONAL OF EMMET COUNTY							
PLN							
	Construct Taxiway A, B, C Lighting Rehabilitation	1,800,000					
	Construct Taxiway A, B, C Rehabilitation	5,700,000					
	Land Acquisition for Obstruction Removal-Reimbursement Phase I	1,200,000					
	Airfield Crack Sealing & Pavement Marking	330,000					
	Design Obstruction Removal (Off Airport-Rwy 23)	30,000					
	ALP Update	450,000					
	Design Runway 5/23 Rehabilitation		420,000				
	Design Rwy 5/23 Lighting		74,000				
	SRE Rotary Plow	750,000					
	Construct Obstruction Removal (Off Airport-Rwy 23)		250,000				
	SRE Broom		750,000				
	Land Acquisition for Obstruction Removal-Reimbursement Phase III			650,000			
	Construct Rwy 5/23 Rehabilitation			5,142,000			
	Construct Rwy 5/23 Lighting			574,000			
	Airfield Crack Sealing & Pavement Marking		330,000			330,000	
	Land Acquisition for Obstruction Removal-Reimbursement Phase IV			200,000			
	Airport Development TBD				1,000,000	1,000,000	
	TOTAL						**$20,980,000**
SAGINAW, MBS INTERNATIONAL							
MBS							
	Rehabilitate Taxiway A Pavement - Construction	4,500,000					
	Rehabilitate Taxiway A Lighting - Construction	1,200,000					
	Redesignation of Taxiways A and E and Sign Modifications - Design & Construction	500,000					
	Acquire SRE -Wheel Loader		200,000				
	Acquire SRE - Friction Tester		250,000				
	Acquire SRE Liquid Sprayer		50,000				
	De Icing Treatment System Design & Construction		4,000,000				
	Perimeter Fencing Improvements			1,500,000			
	Apron Rehab and Drainage Project			118,000	1,300,000		
	SRE Multi-tasking Equipment				800,000		
	SRE Rotary Plows (2)				1,500,000	1,500,000	
	Airport Development TBD						
	TOTAL						**$17,418,000**

OFFICE OF AERONAUTICS
AIRPORTS CAPITAL IMPROVEMENTS 5-YEAR PLAN

10/24/2023

AIRPORT	DESCRIPTION	2025	2026	2027	2028	2029	TOTAL
SAULT STE MARIE CHIPPEWA COUNTY INTERNATIONAL							
CIU							
	Acquire Snow Removal Equipment-SRE - Snowblower-N/A	881,000					
	Seal Apron Pavement Surface Joints Term and East GA -Construction	800,000					
	Improve /Modify Access Road-Con	1,000,000					
	Reconstruct Non-Rev parking lot and Access Road-Con	1,000,000					
	Imp/Mod/Rehab Terminal Bldg -Con	9,800,000					
	Rehabilitate Runway Markings		100,000			200,000	
	Rehabilitate Runway-Crack Sealing pavement-N/A		70,000			70,000	
	Rehabilitate Taxiway-B & B1-Design		130,000				
	ARFF with FLIR		1,000,000				
	Rehabilitate Taxiway-B & B1-Con			2,020,000			
	ARFF Rapid Response Veh				400,000		
	SRE				885,000		
	Seal Apron Pavement Surface Joints Term and East GA -Construction					125,000	
	SRE					875,000	
	TOTAL						**$19,356,000**
TRAVERSE CITY, CHERRY CAPITAL							
TVC							
	Terminal Gate Hold Room Expansion	77,000,000					
	Construct: Commercial Apron Expansion - Phase 1		17,500,000				
	Construct: Commercial Apron Expansion - Phase 3				1,000,000		
	Land Acquisition 36 RPZ			550,000			
	Airport Development TBD				1,000,000	5,000,000	
	TOTAL						**$102,050,000**
	NON-PRIMARY AIRPORT TOTALS:	**$35,638,422**	**$64,507,879**	**$51,589,400**	**$42,198,001**	**$45,279,001**	**$239,212,703**
	PRIMARY AIRPORT TOTALS:	**$218,526,000**	**$194,768,053**	**$204,334,000**	**$91,655,000**	**$64,320,000**	**$773,603,053**
	NON-PRIMARY + PRIMARY TOTALS:	**$254,164,422**	**$259,275,932**	**$255,923,400**	**$133,853,001**	**$109,599,001**	**$1,012,815,756**

FY 2025 CAPITAL OUTLAY BUDGET REQUEST
AND
FIVE-YEAR FACILITIES STRATEGIC PLAN
FY 2025 -2029

AN OVERVIEW OF THE
MICHIGAN DEPARTMENT OF
TRANSPORTATION
STATEWIDE FACILITIES PLAN

Prepared August 2023

TABLE OF CONTENTS

MISSION, VISION, VALUES, and STRATEGIC AREAS of FOCUS

The Michigan Department of Transportation (MDOT) is a nationally recognized leader for all modes of transportation. MDOT Facilities and real property assets play a critical role in the delivery of services necessary to preserve and maintain an extensive statewide transportation infrastructure. Accordingly, MDOT recognizes and acknowledges its responsibility to internal and external customers and stakeholders. MDOT takes pride in its commitment to provide the highest possible level of service. MDOT is guided by the values - Visionary, Ensuring Positive Outcomes, People First, Professional Excellence, Diversity, Equity, and Inclusion, and Character and Integrity. These values promote the strengthening of the MDOT organizational culture and help to ensure the delivery of a quality program. Timely and adequate ongoing investment in facilities contributes to MDOT's strategic plan - enabling MDOT's workforce to function at a high level, while supporting a comprehensive asset management approach. The infographic below illustrates how the foundation of MDOT is positioned to achieve its mission - Serving and connecting people, communities, and the economy through transportation – based on its values.

EXECUTIVE SUMMARY

Department Strategies for Prioritization

In alignment with enhancing MDOT's comprehensive asset management approach, the strategic focus of the department for prioritizing its capital facility program is based on the following criteria:

Safety and Emergency Response/Repairs

Safety of the public and MDOT employees is the highest priority of the department. MDOT must respond to local and state declarations of emergency 24 hours per day, seven days per week. The placement, type, function, and size of facilities are central in MDOT's efficient and effective response. MDOT must anticipate, prepare, and provide for unforeseen events that adversely impact operations (fires, floods, tornados, storms, etc.). MDOT must also remain proactive in management and planning to provide for the possibilities that county and municipal contract agencies may not renew long-standing agreements.

Security

MDOT must ensure and provide security for its facilities and be able to proactively address any threats to the State's infrastructure.

Operational Need

MDOT's operational role and responsibilities to the citizens, taxpayers, tourists, and traveling public of Michigan reinforce the requirement that MDOT facilities be adequate to meet their intended and expanding service functions; be appropriately sized to safely house equipment and materials; and be functionally adaptive to support ever evolving technological advancements.

Rules, Regulations, and Mandates

MDOT is subject to a wide variety of laws, regulations, mandates, and executive directives which impact facilities related needs. Adherence to such requirements promotes safety and environmental responsibility and ensures compliance with applicable legislation.

Preventive/Corrective Maintenance

MDOT must ensure that its capital investment in facilities is preserved to enable its equipment, materials, and people the ability to provide service to the citizens of Michigan. When a corrective maintenance need is identified, it must be resolved in a timely and effective manner to ensure safety for the end users, ensure continuity of services, and to avoid any potential additional damage to the structure. On-going preventive maintenance and facility condition assessments are critical components to the avoidance of costly, extensive repairs and system failures that interrupt service delivery.

Energy Efficient Facilities

MDOT consistently seeks and promotes energy efficiency in the design, construction, and maintenance/repair of its facilities, while regularly pursuing opportunities for the reduction of energy consumption. Routine energy efficiency and sustainability initiative improvements include lighting, water heaters, heating, and ventilation systems (HVAC), and low flow toilets. Proper maintenance of roofs, the installation of building insulation and energy efficient windows, and the reduction of air infiltration by sealing openings and cracks also reduce energy consumption.

Buy versus Lease

MDOT is committed to maintaining a strategic approach to facilities – considering total cost of ownership as well as short and long-term needs on real property and capital investments from an operational and economic perspective.

To support these strategic initiatives and to keep MDOT Facilities in a safe, functional, operationally efficient, and environmentally responsible condition, the following budget requests for Fiscal Year 2025 (FY2025) is highly summarized as follows:

Special Maintenance/Capital Outlay: $5,550,555. This represents an increase of 11% over prior year budget request according to the Fiscal Year United States Consumer Price Index – All Urban Consumers (CPI_U) as posted on May 19, 2023.

Special Appropriation, supplement to the Special Maintenance Capital Outlay program, $7,500,000. These funds will be used to complete projects specific to building envelope categorical needs (deficiencies with roofs, exterior walls, doors, windows) as identified by the 2022/2023 Statewide Facilities Condition Assessment Project. This one time supplemental funding will provide deliverables with a minimum 12 – 30 year life span and allow for relief on previously deferred facilities repair or maintenance needs, also returning the funding to a more moderate level for Fiscal Year 2026.

With only 90% of the 2022/2023 Facilities Condition Assessment project reports completed by budget request deadlines, we have identified the following statewide categorical needs:

Building Envelope*	$11,466,379
HVAC/Mechanical	$ 4,134,792
Electrical	$ 5,643,102
Plumbing	$ 2,305,586
Paving/concrete/sitework	$17,901,083
Interior Finishes	$ 2,572,574
Fire/Communication Systems	$ 273,618
Total	$44,297,134

*Identified roofing needs are limited to knowledge gained from visual inspections from ground level in most cases and based on feedback from local MDOT staff. As a result, the financial impact of roofing systems repair and replacement needs are not accurately reflected in this amount.

The condition assessment data reflects facilities deficiencies (components in disrepair, meeting less than minimum standards, or not functioning as originally intended) in a one-to-one perspective for MDOT owned operational buildings as of FY 2023. This categorical facilities needs data does not include any deficiencies or facilities repair/maintenance needs at MDOT Safety Rest Areas. In cases, some facilities categorical needs have interdependent requirements with other categorical needs – for example when a specific HVAC/Mechanical repair/maintenance need is supported by a correlating electrical system deficiency that must also be corrected correspondingly.

Most specifically, this request does not incorporate any major capital needs – additional square footage, increased facility capacity to meet modern equipment sizes/standards, or new structures.

Total Special Maintenance/Capital Outlay Budget Request for FY 2024: $13,050,555

Salt/Sand Storage Buildings and Containment Control Systems Capital Outlay: $3,330,000.

Additional in-depth specifics and rationale for these funding levels are provided within the material that follows.

Department Overview

Since the establishment of Michigan's state road improvement agency in 1905, MDOT has remained a leading authority and innovator in the development of safe roads, roadside services, and other transportation modes. From construction of the nation's first mile of concrete highway in 1905 to the creation of a department-wide total quality plan, MDOT has maintained a long-standing commitment to innovation and quality evidenced by MDOT's national reputation.

Michigan's system of state highways, county roads, and municipal/other streets total 122,991 route miles (see Table 1). MDOT has jurisdiction over the approximately 9,700 miles of state trunkline system, and all "I," "US," and "M" numbered highways.

MDOT has an obligation to the taxpayers of Michigan to provide the best possible overall transportation system considering all aspects and modes of the system.

Region	Centerline	i
Bay	1,766	5,012
Grand	1,395	3,909
Metro	735	4,041
North	1,738	3,994
Southwest	959	2,722
Superior	1,819	3,948
University	1,236	3,740
Trunkline	9,649	27,366
County	89,609	181,455
City	21,236	44,362
Federal//Tribal/Other	1,547	3,111
Total	122,040	256,295

Table 1: 2021 Reported State of Michigan Route Mileage.
Source: 2021 Highway Performance Monitoring System (HPMS)

Michigan travelers who use the freeway system have access to 64 rest areas, 14 welcome centers, and 83 roadside parks. Additionally, throughout northern Michigan, travelers will find 20 picnic table sites and 23 scenic turnouts. Scenic turnouts provide motorists with the ability to park and view some of the natural beauty and majesty offered by Michigan's four seasons.

An overview of MDOT's regional structure is as follows:

- **Bay:** The Bay Region includes fifteen (15) counties in the Saginaw Bay area serving 1,766 trunkline route miles. Four (4) TSCs serve the transportation needs of this region. The Bay City TSC serves Arenac, Bay, and Saginaw counties. The Davison TSC serves Genesee, Lapeer, and Shiawassee counties. The Huron TSC serves Huron, Sanilac, St. Clair, and Tuscola counties. The Mt. Pleasant TSC serves Clare, Gladwin, Gratiot, Isabella, and Midland counties. Major state trunklines include I-75, I-69, US-127, US-23, and US-10.

- **Grand:** The Grand Region serves thirteen (13) counties in the western part of Michigan serving 1,395 trunkline route miles. Three (3) TSCs serve this region. Grand Region is also home to the West Michigan Transportation Operations Center (WMTOC). The Cadillac TSC services Lake, Mecosta, Montcalm, Newago, and Osceola counties. The Grand Rapids TSC of Allegan, Barry, Ionia, and Kent. The Muskegon TSC serves Mason, Muskegon, Oceana, and Ottawa counties. Major state trunklines include I-96, I-196, US-31, US-131, and M-6.

- **Metro:** The Metro Region serves three (3) counties in southeastern Michigan supporting 735 trunkline route miles. Four (4) TSCs serve the transportation needs of this region. The Macomb TSC serves Macomb County, the Oakland TSC serves Oakland County, and both the Detroit TSC and the Taylor TSC jointly serve Wayne County. The three counties encompass 161 cities and townships. Major state trunklines include I-69, I-75, I-94, I-96, I-275, M-3, M-10, M-39, M-59, and M-97. Metro Region is also home to the Southeast Michigan Traffic Operations Center (SEMTOC), formerly known as the Michigan Intelligent Transportation System (MITS) Center. SEMTOC plays an important role in the safety of the traveling public through its Freeway Courtesy Patrol (FCP); monitoring the trunkline system; and advising motorists of accidents, work zones, and heavily congested areas. Many of these functions are performed with strategically placed camera towers and electronic message boards located along the major trunklines.

- **North:** The North Region is comprised of the northernmost twenty-one (21) counties of the Lower Peninsula serving 1,738 trunkline route miles. Three (3) TSCs serve the transportation needs of this region. The Alpena TSC serves Alcona, Alpena, Iosco, Montmorency, Ogemaw, Oscoda, and Presque Isle counties. The Gaylord TSC (located in the North Region Office) serves Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Otsego, and Roscommon counties. The Traverse City TSC serves Benzie, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee, and Wexford counties. Major state trunklines include I-75, US-127, US-23, US-131, and US-31.

- **Southwest:** The Southwest Region covers seven (7) counties in the southwestern part of the state, which serve 959 trunkline route miles. Two (2) TSCs serve this region. The Kalamazoo TSC serves Berrien, Cass, Kalamazoo, and Van Buren counties, and the Marshall TSC serves Branch, Calhoun, and St. Joseph counties. Major state trunklines include I-69, I-94, I-196, US-12, US-31, and US-131.

- **Superior:** The Superior Region includes all fifteen (15) counties in the Upper Peninsula serving 1,819 trunkline route miles and 11 border crossings. Three (3) TSCs serve the transportation needs of this region. The Crystal Falls TSC serves Delta, Dickinson, Gogebic, Iron, and Menominee counties. The Ishpeming TSC serves Baraga, Houghton, Keweenaw, Marquette, and Ontonagon counties. The Newberry TSC serves Alger, Chippewa, Luce, Mackinac, and Schoolcraft counties. Major state trunklines include I-75, US-41, US-45, US-2, US-141, M-26, M-35, M-95, M-117, M-129, and M-28. The region is home to the Sault Ste. Marie International Bridge, a significant gateway to Canada and the only US-Canada border crossing north of Port Huron, and the Mackinac Bridge, the five-mile-long suspension bridge connection between the upper and lower peninsulas. The Superior Region, unlike the rest of the state, spans two time zones: Eastern and Central. The Central Time zone includes four counties: Dickinson, Gogebic, Iron, and Menominee. The one-hour time difference between the time zones must be considered when scheduling region wide operations and travel between facilities.

- **University:** The University Region serves nine (9) counties in the heart of south-central Michigan, serving 1,236 trunkline route miles. Three (3) TSCs serve the transportation needs of this region. The Brighton TSC serves Livingston, Monroe, and Washtenaw counties. The Jackson TSC serves Hillsdale, Jackson, and Lenawee counties. The Lansing TSC serves Clinton, Eaton, and Ingham counties. The University Region's centralized location makes it the "crossroads" of the Lower Peninsula. Major state trunklines include I-69, I-75, I-94, I-96, I-275, US-12, US-23, and US-127.

Each region is responsible for the planning and design of transportation projects, traffic operations, construction administration, trunkline maintenance, and the issuance of permits. Region offices provide technical expertise, oversight, development and planning services, program control and guidance, and ensure alignment with the TSCs in their region, who in turn provide direct transportation projects and services throughout the region. The TSCs are responsible for the development and delivery of transportation programs in which facilities such as garages, testing laboratories, salt/sand storage buildings, and equipment/material storage buildings are an integral and critical component. TSCs are strategically placed within each region to ensure they are within reasonable proximity to Michigan citizens. Each region also has numerous supporting structures which include safety rest areas, welcome centers, and various tourist facilities.

In addition to the region-based facilities, MDOT occupies several buildings in the Lansing vicinity. Aeronautics, Fleet Administration and Operations, Nixon Road Warehouse, and Transportation Systems Management and

Operations locations are MDOT-owned. MDOT also owns and maintains the Blue Water Bridge facilities. The Blue Water Bridge is home to a major international border crossing and includes the Blue Water Bridge Plaza, Port Huron Garage, Port Huron Project Office, and Port Huron Welcome Center. The Statewide Transportation Operations Center, (STOC), housed in an MDOT-leased facility in Lansing, monitors traffic conditions and operates Intelligent Transportation System (ITS) devices across five MDOT Regions (Bay, North, Southwest, Superior, and University), and assists with overnight operations in the Grand Region. In addition, STOC is in constant contact with the University Region Freeway Courtesy Patrol (FCP). The Van Wagoner Building and Secondary Complex locations are leased from the Department of Technology, Management, and Budget (DTMB). The MDOT Secondary Complex encompasses Construction Field Services, the MDOT Warehouse, and the Horatio S. Earle Learning Center.

MDOT has buildings of various sizes and functions located throughout the state, ranging in age from newly constructed to over sixty years old. MDOT owns the majority of the facilities occupied by staff, equipment, and materials. The design and utilization of these facilities were based on existing industry standards, DTMB standards, and MDOT operational needs at the time of their original construction. The functionality and size of proposed facilities and improvements to existing facilities are based on meeting the program and operational needs of today, as well as those of the future.

Facilities play a key role in delivering effective and efficient transportation services to the public. Michigan has a land area of 56,539 square miles and is home to approximately 10 million people. MDOT is responsible for providing Michigan citizens with the best possible transportation system - an undertaking that helps to deliver residents a high quality of life, a reliable level of safety and security, and a quality travel system for tourism and other industry. A safe, effective, and reliable transportation system creates a foundation for a thriving economy while also protecting Michigan's valuable natural resources.

In line with the department's strategic focus, the projects outlined in the Five-Year Facilities Strategic Plan for fiscal years 2025-2029 will accomplish the following:

- Retrofit and/or repair facilities to comply with building and environmental code requirements.
- Preserve MDOT capital investments, avoid more costly and more extensive repairs by avoiding neglect, ensure structurally sound facilities, and reduce energy usage.
- Construct vehicle/equipment storage buildings to protect MDOT's assets.
- Renovate existing facilities to meet operational needs.

Retrofit, Repair Facilities to Comply with Building and Environmental Code Requirements

MDOT's portfolio of buildings includes region offices, transportation service centers, maintenance garages, salt/sand storage buildings, welcome centers, vehicle/equipment and material storage buildings, and other structures within the right-of-way. As assets age, building code and environmental requirements continue to change. Ensuring failing facilities systems are maintained and repaired to current code requirements is critical to public and environmental safety.

MDOT uses sand and salt mixtures, as well as chemicals, for deicing highways and bridges during the winter. Optimally, these materials should be kept in an enclosed building to maintain the quality of the material and to avoid pollution of the ecosystem. Damage can occur to subterranean water supplies, surface water, vegetation, and wildlife if these pollutants are not contained in a proper facility. Pursuant to Part 31 of PA 451 of 1994, as amended, effective August 2003, the Michigan Department of Environment, Great Lakes and Energy, (EGLE), requires secondary containment systems for these products.

Preserve capital assets, Perform Preventive and Corrective Maintenance

The goal of preventive maintenance is to preserve MDOT's assets by maximizing the useful life of buildings and related systems, provide reliability, and enable a high level of customer service, and to prevent premature failure of building components and equipment. In line with this goal, MDOT conducts regular assessments to capture preventive maintenance needs on buildings and their primary systems. Scheduled activities include such items as

roof inspections; repainting; door hardware adjustments; and belt replacements on heating, ventilation, and air conditioning equipment. When problems arise requiring immediate attention, corrective maintenance is used to resolve these problems to ensure continued functionality of the building and avoid more extensive deterioration. The department has implemented a facility maintenance system so preventive maintenance facility project needs can be optimally identified, planned, scheduled, and tracked.

Provide Energy Efficient and Structurally Updated Facilities

Many of MDOT's garages were built between the 1940s and 1970s and were not constructed with the energy-efficient features found in newer buildings. Aging roofs are prone to seasonal heat loss and energy inefficiencies and create greater risk for outside elements to penetrate to the interiors. Without early detection or more costly emergency repairs, significant renovation or replacement of the roof and interior building systems becomes necessary. Many asphalt-based roofs are old and have become blistered and cracked. In many cases, after years of repair, replacement of these roofs becomes the only or best solution.

Carefully made choices regarding energy improvements will provide operational savings over the remaining useful life of buildings. Energy improvements will bring MDOT into compliance with building code requirements, are consistent with statewide attempts to enhance energy efficiency and conservation, and are in alignment with the governor's directive to implement more sustainable practices in state buildings and reduce energy usage where possible.

Construct Vehicle/Equipment Storage Buildings to Protect MDOT's Assets

Indoor storage is necessary to protect MDOT's vehicles and equipment investments. The department uses seasonal ground equipment, supplies, and materials for repair and maintenance of the state highway system, rest areas, and welcome centers. Grounds equipment, which includes tractors, mowers, snow blowers, snowplow trucks, etc., should be stored in an enclosed facility when not in use. Many of the pieces of equipment, used in maintaining highways, have hydraulic systems which can deteriorate rapidly if not stored indoors. This deterioration not only renders the equipment unsafe over time but decreases the service life of the equipment and increases operating costs.

Innovations in winter maintenance operations and equipment – including tow plows – have increased the capacity and efficiency of MDOT highway operations while also significantly increasing the size of the vehicles and large pieces of seasonal equipment requiring storage at our garages. Garage bays designed with vehicle and equipment technology of the past do not adequately provide for efficient maintenance or upkeep of the winter maintenance fleet.

PROGRAMMING CHANGES

MDOT evaluates the capital outlay funding levels versus the operational facility needs and recognizes that it must balance the preservation of existing facilities with the need for new facilities. Programming changes and trends are consistent with the "Strategies for Prioritization" identified in the Executive Summary. The programming changes are highlighted below:

Facility Assessments

To ensure the conditions status of MDOT facilities remains current, documented, and that critical deficiencies are promptly incorporated into the special maintenance/capital improvement program, MDOT regularly reviews its facilities. To further ensure strategic planning is consistent with the identified deficiencies of its buildings, MDOT issued a contract for a statewide facilities assessment project deliverable in FY 2022. This initiative concluded in late FY 2023 providing continuum information to previous facility assessments.

MDOT will leverage the FY 2022/2023 project to develop a self-managed, scheduled program for facility condition assessments to deliver cyclically thereafter. This will further enable the department to identify where potential opportunities for facility optimization exist, plan for future needs and expenditures, and develop a strategic preventive maintenance program.

Note: An assessment of a facility may be performed at any time deemed necessary, regardless of its placement within the triennial schedule.

Facilities Management System

In the last quarter of FY 2016, MDOT initiated the acquisition and implementation of a computerized Maintenance Management System (CMMS) to capture and maintain the inventory of facilities and associated components, plan and schedule preventive maintenance, manage work orders efficiently, eliminate paperwork, enhance productivity, reduce downtime and repair costs, meet safety standards, ensure compliance with regulatory standards, and reduce overtime.

In FY 2017, MDOT completed the configuration of the components of the CMMS and initiated the rollout of the system.

MDOT continues to actively pursue implementation of a comprehensive integrated facilities management system that encompasses functionality to support facilities maintenance activities as well as capital outlay projects to ensure alignment with MDOT's Strategic Plan and asset management approach.

FY 2019

- Used the CMMS to establish a preventive maintenance program for boiler maintenance inspection.
    - Performed reconciliation and validation of the inventory of boilers located in all MDOT-owned facilities with the department of Licensing and Regulatory Affairs (LARA).
    - All maintenance work to comply with the "automatic fuel fired" boilers code (Controls and Safety Devices – CSD-1) is scheduled in the system.
    - Work orders are automatically generated, assigned, and work is tracked in the system.
- MDOT continued to partner with DNR to support the effort led by DTMB Facilities Administration to implement an integrated system to support facilities core functions.
- In an effort to optimally execute facilities maintenance projects, MDOT continued to evaluate the use of existing contracts.
    - Leveraged the statewide cooperative contracts that have recently been renewed to include services.
        - Engaged DTMB Central Procurement and DTMB State Facilities Administration and performed due diligence to pursue the use of Maintenance Repair and Operations (MRO) contracts.
- Engaged in the State of Michigan Environmental Sustainability Initiative sponsored by the governor's office.
    - Objective: develop best practices for facilities sustainability.
    - MDOT is part of a team composed of facilities energy representatives from DTMB, EGLE, MDOC, DNR, MDOT, and DHHS.

- MDOT initiated an as-needed contract for facility project management and construction management to supplement their workforce with contract personnel experienced in oversight and management of projects relating to buildings, structures, foundations, electrical, HVAC, mechanical, and plumbing. This will assist the department in meeting the goals of the facility program and better meet the operational needs.

FY 2020

- MDOT executed two as-needed contracts for facility project management and construction management to supplement their workforce with contract personnel experienced in oversight and management of projects relating to buildings, structures, foundations, electrical, HVAC, mechanical, and plumbing. Due to budget constraints in FY 2020, the department will look to utilize these contracts in FY 2021.

FY 2021

- The MDOT Office of Operations Administrative Services was dissolved in a change to the organizational structure and reporting relationships. The change was intended to improve operational effectiveness, alignment, and consistency in highway operations and department-wide administrative functions. The Fleet and Facilities Administration unit was reassigned to the Bureau of Field Service's TSMO Division to better align and streamline MDOT's fleet and facilities administrative efforts which predominantly support the department's TSMO mission. This shift was consistent with the responsibilities that the Bureau of Field Services already provides in support of its customers in the field especially as it relates to maintenance and other operations dependent on fleet and facilities.

FY 2022

- The MDOT/TSMO Facilities unit delivered a variety of facilities repair/renovation programming statewide in a variety of categories including roofing and related systems, exterior walls, utilities systems, Heating, Ventilation, and Air Conditioning (HVAC), plumbing, and paving as the industry effects of the CoVID 19 pandemic began to wane. These deliverables cleared a back log of funding created as projects stalled, in part, due to Executive Directive 20-03 and the labor, materials shortages of the pandemic itself.

FY 2025 Implementation Plan

Implementation Plan – 2025 Major Capital Projects

It should be noted that due to programmed needs and concerns with adequate transportation funding, the amount identified and requested for FY 2025 major capital projects is abbreviated and does not reflect all major capital outlay needs.

MDOT recognizes that the outlook for transportation funding is not sufficient. In that acknowledgement, MDOT continues to defer major capital investment to the greatest and most reasonable extent possible. However, with increasing instances where investment in repair or renovations is impractical and/or equals or exceeds the cost of new construction, MDOT is developing long range plans for a maintenance garage replacement program recommendation as well as identifying those facilities determined to be critical to MDOT's mission as "high priority assets" for inclusion in a major capital investment and long-range plan. This recommendation will be condition-based and include design criteria developed from a series of statewide focus group meetings with various levels of stakeholders and MDOT maintenance staff.

For 2024, MDOT requests major capital funding with an increase over prior year budget request according to the Fiscal Year United States Consumer Price Index – All Urban Consumers (CPI_U) as posted on May 19, 2023 for the Salt/Sand Storage Buildings and Containment Control Systems to ensure the winter road maintenance needs are adequately supported and able to be reliably supported by those containment facilities.

Salt/Sand Storage Buildings and Containment Control Systems
FY 2025 Appropriation Request: $3,330,00

A core and critical mission of the department is winter maintenance operations. MDOT is responsible and has jurisdiction of the State's Trunkline System, and partners with contract agencies (counties and municipalities) to perform maintenance on that system. MDOT has State Trunkline Maintenance contracts with over 215 local agencies with the purpose of performing maintenance on the State Trunkline System. Through the Chemical Storage Facility Program, MDOT also participates and has contracts with contract agencies for the replacement, build, and renovation of salt storage facilities including secondary containment. The use and functionality of contract agency salt storage facilities is essential in properly maintaining the State Trunkline System. It is imperative that contract agencies have the required salt and brine storage facilities needed to meet winter operational needs and the necessary level of service. Inability to utilize, access, or have the necessary storage for salt/brine negatively impacts the ability to respond to snowstorm and icing conditions. In addition, the inability to effectively and efficiently provide winter maintenance operations has a negative impact on the traveling and motoring public of Michigan as well as the economy and movement of goods and services. All prior year funding has been utilized, and due to the age of the facilities and the priority to fund road and bridge construction and maintenance projects and activities, there are several salt storage facilities that are in need of significant renovation or replacement.

Furthermore, in Michigan, primary and secondary chloride containment are required by the Department of Environment, Great Lakes, and Energy (EGLE) for all salt/brine storage and handling locations, through the Part 5 polluting materials administrative rules promulgated pursuant to Part 31, of the Water Resource Protection Act of 1994, as amended, effective August 2003. EGLE regulations require any storage of material containing a minimum amount of five tons of road solid salt or 1,000 gallons of liquid salt must include an adequate secondary containment system. This EGLE mandate also extends to salt/sand mixture (winter salt/sand) storage. MDOT and Contract Agencies are continuing efforts to ensure current operations are in alignment with EGLE regulations.

Total Major Capital Projects Request for FY 2025: $ 3,330,000

Implementation Plan – 2025 Special Maintenance Projects

In recognition of yet undetermined effects of the 2019 Coronavirus (CoVID19) on the future of occupancy and use of office and administrative facilities, the amount identified and requested for FY 2025 special maintenance projects is abbreviated and does not reflect all investment needs. The projects selected and included in this budget request address health and safety issues, as well as critical repairs required to maintain existing assets. Although the projects represented by the requested amount have been identified, scoped, and estimated, if other special maintenance facility needs become an emergency or critical in nature, those projects will be addressed with this funding.

Consistent with MDOT's comprehensive asset management approach, both preventive and corrective maintenance must be performed in a timely manner on department facilities and building systems.

For close to 20 years, the Special Maintenance Capital Outlay appropriation budget request amount did not vary from $3,000,5000 annually. For Fiscal Year 2024, the request amount was increased to $5,000,500 based on a May 20, 2022 Fiscal Year United States Consumer Price Index – All Urban Consumers (CPI-U) report reflecting an increase of 67.2% since the year 2000. For Fiscal Year 2025, the latest CPI-U reported as of May 19, 2023 (11.5%) has been incorporated into the budget request.

Miscellaneous Repairs, Renovations, and Upgrades - Statewide
FY 2025 Appropriation Request: $5,550,555

The statewide miscellaneous repairs, renovations, and upgrades to be performed with special maintenance funding fall into the following categories:

- Safety and security
- ADA remediation and upgrades
- Structure and roof repairs
- Energy improvements including insulation and windows
- Interior/exterior repairs and painting
- Improvements/repairs including pavement, drainage, HVAC, and electrical/lighting
- Emergency and miscellaneous renovations, maintenance, and repairs

Special Maintenance/Capital Outlay Projects Request for FY 2025: $ 5,550,555

To supplement addressing a back-log of building envelope needs (deficiencies in roofing, exterior walls, and windows) as identified by the 2022/2023 Facility Condition Analysis project, MDOT requests a one-time, special appropriation of $7,500,000 to be used specifically for related facilities project in these categories at facilities with a direct impact on highway operations (TSCs, Maintenance Garages and facilities supporting Maintenance Garage Operations as well as Regional Maintenance Crew buildings, and Region Offices). This supplemental funding will provide longevity in the project deliverables (life cycle of 12 – 30 years) and provide for a return to moderate funding levels in future years for special maintenance capital outlay projects.

One Time Supplemental facilities building envelope capital outlay budget request: $7,500,000

Total Special Maintenance/Capital Outlay Budget Request for FY 2025: $13,050,555

Grand Total Special Maintenance/Capital Outlay/Major Capital Outlay Budget Request FY 2025:

$16,380,555

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2025 MAJOR CAPITAL PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2025	Statewide Salt Storage Buildings and Containment Control Systems	SSBs & CCs	Replace, Rebuild Renovate Salt Storage Facilities	Structures have reached or beyond their useful life.	Provide safe roads for the traveling public on the state trunkline as well as a safe environment for MDOT and Contract Agency employees who access the facilities for delivery and pick up of salt, chemicals, materials for winter operations.	Continue to defer/delay project; accept operational deficiencies, absorb long term financial risk and potential harm to employees and/or the environment due to inadequate storage of salt, chemicals.	Enhance and preserve the safety of roadways for Michigan cities, counties, and the traveling public on the state trunkline.	$3,330,000 Major Capital

FY 2025 MAJOR CAPITAL TOTAL $3,330,000

IMPLEMENTATION PLAN

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2025 SPECIAL MAINTENANCE PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2025	Metro Region	Oakland TSC	Roof Replacement	Roof is deteriorated and has already undergone various repairs; at end of life.	Protect the building and contents from deterioration and loss; increase energy efficiency; preserve state assets.	Continue to attempt repairs; invest funds on asset that is past its useful life.	Effective use of resources – replace with warrantied product in lieu of spending on repeated repairs; improved utilities use; reliability of services from facility.	$67,300 2116-STF
2025	Metro Region	Detroit Maintenance Garage	Window replacement GAR 1	Glazing and seals are worn, windows are past useful life, inefficient.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer replacement, accept energy loss, water intrusion, pest intrusion.	Improved utilities use; preservation of assets; improved use of resources on time/labor it takes to remediate water intrusion as it occurs.	$108,000 2116-STF
2025	Bay Region	Clare Welcome Center	Water supply, utilities connection replacement	Heavy mineral content and other water contaminants create excessive	Reduced consumption; improved maintenance costs, improved system	Accept high maintenance costs, poor water quality, continued damage and decay to facility	Improved use of resources and reliability of a high traffic tourism facility. Long term savings on ongoing	$1,457,055 2116-STF

				burden on systems, fixtures, and the facility. The water system and supporting utilities are past useful life.	reliability; and improved health for building occupants; protection of collocated state assets.	systems impacted by high mineral content and rust in water system, failing utilities.	repairs and maintenance to an aged system that is beyond useful life.	
2025	Southwest Region	Marshall Garage	Paving, parking lot replacement, catch basin repairs GAR 1	Paving is cracked, missing in areas, past useful life, potential trip and fall hazards.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept continued deterioration and risk of environmental contamination.	Improved safety for physical site and environmental control of run off water. Reduce risk for contamination, employee injury.	$1,100,000 2116-STF
2025	Southwest Region	Kalamazoo Garage	Replace Windows GAR 1	Windows are broken, frames failing; past useful life.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer project, accept continued deterioration of assets.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$118,000 2116-STF
2025	North Region	Region Office	Replace Roof	Asphalt shingles are past useful life, falling off and missing across building. Previous repair	Protect the building and contents from deterioration and loss; increase energy efficiency;	Defer project, accept continued deterioration of assets. Continue to attempt repairs and invest in	Effective use of resources – replace with warrantied product in lieu of spending on repeated repairs; improved utilities	$283,000 2116-STF

				costs are mounting.	preserve state assets.	asset that is past useful life.	use; reliability of services from facility	
2025	Superior Region	St Ignace Welcome Center	Paving	Asphalt paving has excessive alligator cracking, potholes and deteriorated surfacing.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept continued deterioration of assets, risk of trip/fall on visitors/travelling public.	Improved safety and protection of assets for the motoring public and support of tourism.	$1,045,000 2116-STF
2025	Superior Region	Crystal Falls TSC	Paving	The existing paving is extensively cracked and decayed with vegetation prominently growing.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept continued deterioration of assets.	Improved safety and reliability for facility and staff's ability to provide road maintenance services to the community.	$411,800 2116-STF
2025	Grand Region	Marion Garage	Exterior Block Wall Restoration GAR 1	Exterior walls are cracked, failing at joints, allowing water intrusion.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets.	Preservation of state assets, improved use of resources long term, reliability of location/staff to provide road maintenance services.	$130,200 2116-STF
2025	Grand Region	Fennville Garage	Exterior Block Wall Restoration GAR 1	Exterior walls are cracked, failing at joints, allowing water intrusion.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets.	Preservation of state assets, improved use of resources long term, reliability of location/staff to provide road	$90,200 2116-STF

							maintenance services.	
2025	University Region	Adrian Garage	Electrical Distribution Replacement GAR 1	Multiple panelboards are corroded, the existing system has exceeded its useful life.	Protection and preservation of building structure, staff, and reliability of systems to operate when needed.	Defer project, accept risk of failure, injury.	Improved safety and reliability for facility and staff's ability to provide road maintenance services to the community.	$328,000 2116-STF
2025	University Region	Mason Garage	Window replacement, CSB & GAR 1	Windows are past useful life.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$118,000 2116-STF
2025	University Region	Mason Garage	Remove/replace insultation, roof repairs GAR 1	Roof has multiple failure areas, insulation has been compromised.	Protect the building and contents from deterioration and loss; increase energy efficiency; preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion, health concerns from potential mold.	Effective use of resources – providing sound work environment for delivery of road maintenance services; reliability of services from facility.	$92,000 2116-STF
2025	University Region	Mason Garage	Repair exterior walls, repaint exterior HSB 1	Exterior walls are cracked, failing at joints, allowing water intrusion.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets.	Effective use of resources – providing sound work environment for delivery of road	$102,000 2116-STF

							maintenance services; reliability of services from facility	

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2026 SPECIAL MAINTENANCE PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2026	Superior Region	Covington SSB	Rehabilitate gravel access road	Access road is almost non existent, vehicles have worn down roadway.	Protect environment and site from deterioration.	Defer project, accept continued deterioration of site and environmental issues.	Improved operational effectiveness and environmental safety by providing appropriate roadway for heavy equipment travel.	$48,000 2116-STF
2026	Southwest Region	Marshall TSC	Parking Lot and sidewalk replacement	Paving is failing, with spalling and potholes, deterioration, sidewalks have cracks and are uneven.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Continue to try patch and repairs on aging system. Employ less effective use of maintenance funds on repairs.	Long term investment and improved use of resources, improved safety and reduced risk of employee injury.	$882,450 2116-STF
2026	Southwest Region	Kalamazoo Garage	Roof Replacement GAR 1	Roof is beyond useful life, has undergone multiple	Protect the building and contents from deterioration and loss;	Defer project, accept continued deterioration of assets; higher	Effective use of resources – providing sound work environment for	$326,000 2116-STF

				repairs, limited viability for continued repairs.	increase energy efficiency; preserve state assets.	than necessary utilities costs, and water intrusion risk.	delivery of road maintenance services; reliability of services from facility.	
2026	Metro Region	Region Office, Administration Bldg	Parking Lot, Replacement/repaving	Paving is deteriorated, beyond cracks and spalling, beyond useful life.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept risk of employee/visitor injury due to trip and fall hazards.	Long term improved use of resources to redirect efforts on road maintenance programs over ongoing nuisance repairs on end of life system.	$780,000 2116-STF
2026	Metro Region	Oakland TSC	Parking Lot, Replacement/repaving	Paving is deteriorated, beyond cracks and spalling, beyond useful life.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept risk of employee/visitor injury due to trip and fall hazards.	Long term improved use of resources to redirect efforts on road maintenance programs over ongoing nuisance repairs on end of life system.	$812,000 2116-STF
2026	Metro Region	Detroit Maintenance Garage	Replace HVAC/Air Conditioning GAR 1	Unit is beyond anticipated life span, unreliable, requires ongoing repairs.	Improved energy efficiency; improved system reliability; temperature comfort and	Defer project, incur ongoing maintenance calls and unreliable systems, risk higher expense of emergency	Improved use of resources and improved use of utilities with newer, energy efficient hvac system.	$92,000 2116-STF

					improved air quality and health for building occupants; protection of state assets that require or benefit from storage at temperature-controlled environments.	repairs; and absorb costs associated with use of older, energy inefficient systems.		
2026	Bay Region	Region Maintenance Crews	Repair exterior walls, replace EFIS, GAR 1	Exterior wall surfaces are compromised, aging, allowing further deterioration of structure.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets, continued costs of emergency repairs.	Preservation of state assets and improved use of resources.	$820,000 2116-STF
2026	Bay Region	Davison TSC	Replace grinder pump, lift station, replace trench drain	Systems are past useful life, require ongoing repairs and maintenance and do not reliably work as intended.	Improved operations, effective and efficient use of resources in an ongoing manner, avoidance of emergency failure of aged system.	Defer project, continue reactive repairs, accept risk of system failure and need for emergency replacement.	Long term improved use of resources to redirect efforts on road maintenance programs over ongoing nuisance repairs on end of life system.	$240,000 2116-STF

2026	Bay Region	Davison TSC Testing Lab	Replace HVAC system; replace silica dust extractors, exhaust system	System is original to the facility and not up to current codes. Beyond useful life.	Improved energy efficiency; improved system reliability; temperature comfort and improved air quality and health for building occupants; protection of state assets that require or benefit from storage at temperature-controlled environments.	Defer project, incur ongoing maintenance calls and unreliable systems, risk higher expense of emergency repairs; and absorb costs associated with use of older, energy inefficient systems.	Improved continuity of services and reliability of services from facility for road maintenance program; improved health and safety of MDOT staff.	$400,000 2116-STF
2026	Bay Region	Davison TSC Testing Lab	Replace lighting system	Lighting system is original to facility construction and past useful life, no longer energy efficient.	Improve efficiency and energy consumption of facility operations.	Defer project and accept higher than necessary energy costs; lower productivity of staff who are working under poorly lit conditions.	Improved level of efficiency and effectiveness for road maintenance services; improved use of resources by lowering energy consumption.	$220,000 2116-STF

2026	University Region	Mason Garage	Replace exterior windows, GAR 1	Windows are past useful life; frames and seals are failing; beyond repair.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion risk.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$81,000 2116-STF
2026	University Region	Region Maintenance Crews	Replace exterior windows, GAR 1	Windows are past useful life, seals failing, allowing water intrusion.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion risk.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$78,000 2116-STF
2026	University Region	Brighton Garage	Replace Exterior Windows, HSB1	Windows are past useful life, original to facility. Beyond repair.	Protect the building and contents from deterioration and loss; increase energy efficiency, preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion risk.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$124,800 2116-STF
2026	University Region	Charlotte Garage	Replace Exterior Windows, GAR 1	Windows are past useful life; frames and seals are failing; beyond repair.	Protect the building and contents from deterioration and loss; increase energy efficiency,	Defer project, accept continued deterioration of assets; higher than necessary utilities costs,	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$94,000 2116-STF

					preserve state assets.	and water intrusion risk.		
2026	Grand Region	Reed City Garage	Repair exterior walls, tuck point, paint GAR 1	Exterior walls are cracked, failing at joints, allowing water intrusion.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets.	Preservation of state assets and improved use of resources.	$164,000 2116-STF
2026	Grand Region	Hastings Garage	Repave parking lot	Asphalt shows alligator cracking and vegetation growing through across lot; potholes and disintegration of paving is evident.	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept risk of employee/visitor injury due to trip and fall hazards. Accept continued deterioration of assets.	Improved safety for physical site and environmental control of run off water. Reduce risk for contamination, employee injury.	$741,000 2116-STF
2026	Superior Region	Engadine Garage	Replace Floor Hoist, GAR 1	The ground hoist has not been usable for 5 years and has been welded shut. Maintenance of vehicles is hindered and inefficient as a result	Improve effectiveness and ability of local staff to maintain and repair vehicles. Reduce reliance on contracting and loss of control over repairs scheduling.	Continue to defer project and rely on external vendors for vehicle repairs and towing of vehicles at higher than necessary costs.	Improved efficiency and reliability of the garage, and its fleet equipment, to provide ongoing road maintenance services in a consistent manner.	$316,000 2116-STF
2026	Superior Region	Engadine Garage	Replace site lighting	The interior and exterior	Improve energy consumption,	Continue to defer project	Improved use of resources and	$102,000

				lighting is original to the facility and not energy efficient or sufficient to support operations.	improve safety and effectiveness of staff by improving lighting and sight.	and absorb higher than necessary energy consumption and poor lighting conditions for staff.	lower energy consumption; improved road maintenance operations as a result.	2116-STF

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2027 SPECIAL MAINTENANCE PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2027	University Region	Brighton Garage	Utilities – plumbing infrastructure, drainage; related concrete repairs GAR 1	Drain system is not adequate, is failing; consistent ponding and puddling - standing water inside garage.	Improved safety and improved health for operations; reduced risk of environmental contamination and full system failure.	Defer project, accept risk of employee/visitor injury due to trip and fall hazards. Accept continued deterioration of assets. Accept risk of higher than necessary emergency repairs.	Preservation of state assets and improved reliability for continuity of road maintenance services from this facility.	$216,267 2116-STF
2027	University Region	Williamston Garage	Exterior wall repairs – metal panel repairs, paint; EFIS repairs, replacement GAR 1	Exterior wall surfaces are peeling, buckling, and deteriorating.	Protection and preservation of building structure and contents.	Defer project, accept continued deterioration of assets.	Preservation of state assets and improved use of resources.	$84,230 2116-STF
2027	University Region	Williamston Garage	Exterior Windows replacement GAR 1	Some window panes are cracked, showing signs of fracturing; windows are	Protect the building and contents from deterioration and loss; increase energy efficiency,	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$79,400 2116-STF

				past useful life.	preserve state assets.	water intrusion risk.		
2027	University Region	Williamston Garage	Fire System, Alarm system replacement GAR 1	THE FAS is not reliably functional; pull stations require repair. The system is aged, past anticipated life cycle.	Protect the staff and building from potential fire loss; maintain compliance with safety regulations	Defer project and accept continued risk of losses from a life/safety fire alarm system that does not work reliably and is past useful life.	Improved safety and compliance with regulations for fire systems; keeping facility functional to provide ongoing road maintenance.	$62,700 2116-STF
2027	University Region	Jackson Testing Lab	Sanitary plumbing, piping replacement, site work and grading	The existing sanitary piping is failing, not at an appropriate pitch, and undersized.	Protect environment and maintain septic system functionality, improve drainage and eliminate contamination risk.	Defer project and hold risk of system failure, environmental contamination.	Protection of environment from brown water contamination risk; assurance of operations and continuity of road maintenance services at this location.	$41,850 2116-STF
2027	Superior Region	St Ignace Garage	Replace paving, related site work, drainage and utilities repairs GAR 1	The asphalt paving has consistent, deep alligator cracking throughout, many potholes; vegetation growing; concrete is failing and deteriorating	Protect environment, watershed run off; lower risk of employee injury due to trip/fall hazards, preserve state assets.	Defer project, accept risk of employee/visitor injury due to trip and fall hazards. Accept continued deterioration of assets.	Improved safety for physical site and environmental control of run off water. Reduce risk for contamination, employee injury.	$2,488,700 2116-STF

				across the site.				
2027	Superior Region	Houghton Hancock Lift Bridge Control Room Bldg	Fire System, Alarm system replacement, related electrical repairs	The fire alarm panel and system, and associated electrical service is past useful life.	Protect state assets and functionality of lift bridge, remain in compliance for safety regulations for fire systems.	Defer project and hold risk of failed system, potential fire and total loss of life or assets.	Protection of state assets and reliability of structure to provide ongoing road and bridge services.	$49,377 2116-STF
2027	Superior Region	Ironwood Welcome Center	Electrical panel replacement, lighting and related security systems replacement	The electrical distribution is single phase and original to the facility – past useful life as are all lighting and security systems. Repairs are no longer viable – systems need to be replaced.	Protect the safety and continuity of operations by replacing outdated, failing systems that are not up to code standards. Ensure the facility is reliably and safely available for the needs of the motoring public and tourism.	Defer project and hold risk of system failures; which will require higher than normal emergency repair costs and disruption of unscheduled repair needs.	Preservation of state assets and continuity of services to tourism and the motoring public by ensuring the facility is provided adequate and safe electrical systems and lighting.	$62,900 2116-STF
2027	North Region	Region Maintenance Crews	Replace the failing ceiling and interior lighting RMC 1	The ACT ceilings are sagging, stained, and past useful life. Ceiling and lights are original to the facility and not as	Protect the building occupants from failing ceiling parts; protect the contents from further deterioration; gain energy consumption	Defer project, continue with higher than necessary energy consumption and low lighting levels for occupants; risk total collapse of ceiling and potential injuries.	Preservation of state assets, improved use of resources, and improved work environment for efficiencies for building occupants.	$343,200 2116-STF

				efficient or effective.	savings through conversion to LED.			
2027	Grand Region	Reed City Garage	Electrical Distribution Replacement, related electrical repairs GAR 1	Four electrical panelboards remain from original construction and are beyond useful life.	Protect the reliability and ensure appropriate, adequate electrical service is available to the building for continuity of services.	Defer project and risk failures of systems, cost of higher than necessary emergency repairs.	Preservation of state assets and ensured reliability of road maintenance operations from this facility.	$64,000 2116-STF
2027	Grand Region	Reed City Garage	Roof Replacement GAR 1	The TPO roof system has already undergone extensive repairs and is beyond useful life.	Protect the building and contents from deterioration and loss; increase energy efficiency; preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion risk.	Preservation of state assets and improved use of resources.	$325,600 2116-STF
2027	Grand Region	Marion Garage	Water Distribution System replacement; water heater replacement; waste water storage tank monitoring system; related plumbing repairs GAR 1	The domestic water distribution system is inadequate, original to the construction of the facility. The waste water system does not have a fill alarm or level alert.	Safe and viable water service and waste water service for the facility; protection from environmental, brown water, risks; improved health and safety for building occupants.	Defer project and hold risk of system failure, environmental contamination of waste water system. Accept risk of higher than necessary emergency repairs and operational impacts from system failures.	Improved health and safety and reliability of location to continue to provide road maintenance services without interruption or being forced to close for health department reasons.	$81,000 2116-STF

2027	Grand Region	Grand Haven Lift Bridge Control Room	Structural, mechanical, and electrical repairs	Significant structural repairs are needed, walls are bowing; systems are original and all past useful life.	Protection and preservation of state assets and continued ability to operate bride; ensured safety for staff and motoring public.	Defer project, hold risk of system failure, potential injuries or losses that could result.	Improved safety and reliability of bridge control room operations and safety for staff and motoring public.	$310,600 2116-STF
2027	Metro Region	Ford Wyoming	Add Exterior Doors SSB 1	Doors are missing, no longer present on facility. Salt is open to elements, theft.	Protection and preservation of building structure and contents. Environmental safety and improved security.	Defer project, accept environmental and security risks.	Improved safety and security for physical site and improved environmental safety.	$62,000 2116-STF
2027	Metro Region	Ford Wyoming	Repair Exterior Walls, Replace panels, EFIS; repair/add exterior doors SSB 2	Exterior wall surfaces are compromised, aging, allowing further deterioration of structure.	Protection and preservation of building structure and contents. Improved security and environmental safety.	Defer project, accept continued deterioration of assets, risk of environmental contamination and theft of assets.	Preservation of state assets and improved use of resources.	$208,000 2116-STF
2027	Southwest Region	Kalamazoo Garage	Replace Roof, CSB 2	Roof is beyond useful life, continued repairs are becoming difficult to complete.	Protect the building and contents from deterioration and loss; increase energy efficiency; preserve state assets.	Defer project, accept continued deterioration of assets; higher than necessary utilities costs, and water intrusion risk.	Preservation of state assets and improved use of resources.	$396,000 2116-STF

2027	Southwest Region	Kalamazoo Garage	Exterior Walls, repair concrete, raise height of concrete walls and seal SSB 1	Concrete is spalled, deteriorating; does not contain salt load safely.	Protection and preservation of building structure and contents. Improved environmental safety, operational effectiveness.	Defer project, accept continued deterioration of assets; potential for environmental contamination.	Preservation of state assets and improved use of resources.	$407,000 2116-STF
2027	Blue Water Bridge	Port Huron Garage	Replace exterior doors SSB 1	Doors are in poor condition, repeated repair efforts have been made.	Protection and preservation of building structure and contents. Improved security and use of resources.	Defer project, accept continued deterioration of assets.	Improved safety and security for physical site and improved use of resources, lower utilities usage.	$218,000 2116-STF
2027							5,500,824	

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2028 SPECIAL MAINTENANCE PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2028	BOBS/BWB	Port Huron Garage GAR 1	Repair exterior walls, prep, paint	Exterior Walls have visible cracks, deterioration, allowing elements to penetrate	Preserve and maintain assets, ensure further deterioration does not occur, protect building, associated components and content from loss	Defer project until a later time and accept higher costs and risk of decay or loss of additional assets	Preservation of assets, continued ability of location to reliably and effectively deliver road maintenance services without distraction or interruption from expensive, necessary, emergency repairs	$90,000 2116-STF
2028	BOBS/BWB	Port Huron Garage GAR 1	Repair, replace exterior doors to facility, service doors	Exterior doors and service doors are original to facility and compromised with rust, dents, deterioration. Do not effectively seal. Past original useful life.	Preserve and maintain assets, ensure further deterioration does not occur, protect building, associated components and content from loss	Defer project until a later time and accept higher costs and risk of decay or loss of additional assets	Preservation of assets, continued ability of location to reliably and effectively deliver road maintenance services without distraction or interruption from expensive, necessary, emergency repairs	$130,000 2116-STF

2028	Lansing/TSMO	Fleet A&E GAR 1	Mechanical, HVAC replacement.	System is original to facility and unreliable. Ongoing repairs and feasibility to continue repairs has been exhausted. Parts are no longer readily available.	Maintain location's ability to continue to provide services, provide staff assigned to location with safe, clean, and comfortable air quality and building temperatures	Defer project, risk total failure and high costs of emergency repairs; high cost of temporary hvac system during unplanned project.	Ensured continuity of services from this location to serve highway operations without disruption or the high cost of emergency replacement of the system.	$160,000 2116-STF
2028	Lansing/OFS – TSMO, BOBS	Office of Field Services GAR 1	Roof replacement	EPDM is failing. Repeated repairs are becoming unproductive, costly, and ineffective.	Protect the building and contents from deterioration and loss; increase energy efficiency; preserve state assets.			$828,000 2116-STF
2028	Lansing/OFS – TSMO, BOBS	Office of Field Services GAR 1	Paving repairs, replacement	Current surfaces have wide cracks, potholes, varied areas of vegetation growth through surfaces.				$1,600,000 2116 - STF
2028	Grand Region	Fennville Garage HSB1	Replace siding, EFIS	Exterior walls are				$110,000 2116 - STF

2028	Grand Region	Grand Rapids Garage GAR 1	Repair exterior walls, tuck point, seal and paint					$79,000 2116 - STF
2028	Metro Region	Region Office 1 OFF 1	Repair exterior walls, tuck point, seal and paint					$183,000 2116 – STF
2028	Metro Region	Taylor TSC Site	Replacement of parking lot					$167,000 2116 - STF
2028	Southwest Region	Coloma Garage GAR 1	Repair exterior walls, tuck point, seal, paint					$131,000 2116 - STF
2028	Southwest Region	Coloma Garage HSB 1	Repair exterior walls, tuck point, seal, paint					$83,000 2116 - STF
2028	Southwest Region	Sawyer Garage GAR 1	Repair exterior walls, tuck point, paint					$140,000 2116 - STF
2028	University Region	Region Office OFF 1	Pavement repairs					$43,000 2116 - STF
2028	University Region	Regional Maintenance Crews RMC 1	Replace exterior door frames, exterior doors					$98,600 2116 - STF
2028	University Region	Brighton Garage SITE	Replacement of pavement					$1,218.000 2116 - STF

2028	Superior Region	L'Anse Garage GAR 1, SITE	Concrete floor replacement, concrete repairs					$518,000 2116 - STF
2028	Lansing/TSMO	Fleet A&E GAR 1	Replace paint booth					$700,000

MICHIGAN DEPARTMENT OF TRANSPORTATION
CAPITAL OUTLAY FIVE-YEAR PROGRAM
FY 2029 SPECIAL MAINTENANCE PROJECTS

	Region/Location	Building - Facility	Project Name	Current Condition	Performance Outcome	Alternatives	Benefit to Taxpayer	Project Cost Fund Source
2029	Grand Region	Fennville Garage CSB 1	Replace Roof	.				$218,000 2116 - STF
2029	Grand Region	Fennville Garage CSB 1	Exterior Wall Repairs, paint					$102,000 2116 - STF
2029	Lansing/TSMO	Fleet A&E GAR 1	Reskin exterior walls, soffit, fascia, trim and partial roof system replacement					$1,300,000 2116 - STF
2029	Southwest Region	New Buffalo Welcome Center	Replace HVAC system including A/C					$562,000 2116 - STF
2029	Bay Region	Saginaw East Garage GAR 1	Install overhead crane					$192,000 2116 - STF
2029	Lansing/Aeronautics	Lansing TSC	Replace electrical distribution system; switch gear, transformer,					$211,000 2116 - STF

			and distribution panel					
2029	Metro Region	Detroit Garage GAR 1	Prep and paint steel frame, structural components for anti corrosive properties					$94,800 2116 - STF
2029	Southwest Region	Paw Paw Garage GAR 1	Repair exterior CMU walls, repaint, corefill insulation					$209,000 2116 - STF
2029	Southwest Region	South Haven Garage SITE	Repave parking lot					$314,000 2116 - STF
2029	Southwest Region	Coloma Garage GAR 1	Install Floor Hoist					$285,000 2116 - STF
2029	North Region	Regional Maintenance Crews SITE	Repave parking lot					$241,200 2116 - STF
2029	North Region	Atlanta Garage GAR 1	Replace HVAC and exhaust system					$88,900 2116 - STF

APPENDIX A

FACILITY ASSESSMENTS

BAY REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Mt. Pleasant Garage

Assessor: AECOM Inspection Date: 10/25/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	3	3	3	3	4	3	3	3	0	3	3	4	4
HSB	1	3	3	3	3	3	3	3	3	3	0	0	3	3	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1B51 | HSB-1	The panelboard had exceeded its expected useful life.	$ 6,735
1B51 | HSB-1	The countertops were worn and had delaminating edges.	$ 9,511
1B51 | GAR-1	The TPO roof coverings had reached the end of their expected useful life.	$ 356,075
1B51 | GAR-1	The roof's skylights had reached the end of their expected useful life.	$ 1,650
1B51 | GAR-1	The metal roof hatch had reached the end of its expected useful life.	$ 3,505
1B51 | GAR-1	The paint on the wash bay walls is deteriorated and peeling.	$ 6,022
1B51 | GAR-1	The fire alarm devices were not operational.	$ 51,539
1B51 | GAR-1	The panelboards had exceeded their expected useful life.	$ 29,976
1B51 | GAR-1	The asphalt paving had moderate linear cracking.	$ 579

1B51 | GAR-1	The 1987-aged hollow metal door frames had moderate rust corrosion throughout.	$ 4,879
1B51 | GAR-1	The steel urinal partition in the men's restroom had excessive rust corrosion.	$ 1,499
TOTAL		$471,970.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Mt. Pleasant TSC

Assessor: AECOM Inspection Date: 10/25/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	3	3	3	3	0	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1B50 | TSC-1	The asphalt paving had moderate linear cracking, deteriorated seal coat, and deteriorated striping.	$ 2,950
TOTAL		$2,950

2022/2023 FACILITY ASSESSMENT

MDOT Site: Saginaw West Garage

Assessor: AECOM Inspection Date: 10/25/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	3	4	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	4	3	0	0	0	0	3	3	0
CSB	2	3	3	3	0	3	3	3	0	0	0	0	3	3	0
CSB	3	3	3	3	3	3	3	3	3	3	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	3	3	3	3	4	3	3	3	0	4	4	4	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1B32 | CSB-3	The panelboard had exceeded its expected useful life.	$ 6,735
1B32 | CSB-1	The timber columns were rotted at grade, several had cracks and repairs, and the north and east walls had diagonal braces added for structural support.	$ 2,500
1B32 | CSB-1	The asphalt shingles were curling and the fascia boards were deteriorated and broken.	$ 35,975

1B32 | CSB-2	The enclosed circuit breaker (ECB) had exceeded its expected useful life.	$ 4,906
1B32 | CSB-2	The interior lighting had exceeded its expected useful life.	$ 4,797
1B32 | FSB-1	The door had significant peeling paint and the bottom of the doors were corroded.	$ 2,620
1B32 | GAR-1	Facility staff reported the TPO roof was regularly requiring leak repairs, and the wood nailer boards and cap flashing were displaced along the top of the north wall.	$ 239,797
1B32 | GAR-1	The plumbing fixtures throughout the building had exceeded their expected useful life.	$ 42,047
1B32 | GAR-1	The furnace had exceeded its expected useful life and parts are no longer available for repair.	$ 3,446
1B32 | GAR-1	The electrical distribution equipment had exceeded its expected useful life. Facility staff reported there was no 3-phase power available due to a melted lug in the main disconnect.	$ 21,451
1B32 | GAR-1	Moderate to severe alligator cracking, longitudinal, and transverse cracking was observed throughout the site. Isolated sections of paving had missing asphalt and substrate was visible. Damaged curbs were observed throughout.	$ 408,704
1B32 | GAR-1	Site lights were flickering throughout and driveway lights were not operational.	$ 49,312
1B32 | GAR-1	Sections of fencing had broken and bent posts. Fencing did not enclose the entire property; no fencing was observed on the southwest corner behind SSB-1. The north east corner of fencing was collapsed entirely.	$ 773,522
1B32 | GAR-1	Facility staff reported that there were constant issues with lighting ballasts throughout the building.	$ 36,704
1B32 | GAR-1	Facility staff indicated the trench drain in the main bay had drainage issues due to the floor construction.	$ 4,182
TOTAL		$1,636,698.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Clare Welcome Center

Assessor: AECOM Inspection Date: 10/26/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
WCT	1	3	3	3	3	3	3	0	3	4	0	3	3	4	3

Location/Building Code	Deficiency	Estimated Cost
2B20 | HSB-1	The heaters were not operational at the time of the assessment.	$ 4,982
2B20 | HSB-1	The sectional door's bottom seal was allowing water infiltration into the building.	$ 250
2B20 | WCT-1	The flush valves in the restrooms were moderately corroded.	$ 1,600
2B20 | WCT-1	Facility staff reported heavy iron in the water which was causing severe corrosion in the heating hot water pipes and pumps. Corrosion was observed throughout the mechanical room due to leaking water.	$ 252,043
2B20 | WCT-1	The PV system was not operational. Facility staff reported debris from the nearby road struck and damaged a panel, which caused the system to malfunction. The damage was reported, but has not yet been repaired.	$ 215,104
TOTAL		$473,979.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Bay Region Maintenance Crews

Assessor: AECOM Inspection Date: 10/27/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	4	0	3	3	3	0	0	0	0	3	3	0
CSB	2	3	3	3	0	3	3	3	0	0	0	0	3	3	0
CSB	3	3	3	0	0	3	3	0	0	0	0	0	0	0	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
FSB	2	3	3	0	0	3	3	0	3	0	0	0	3	0	0
HSB	1	3	3	3	0	3	3	0	3	3	0	3	3	3	3
RMC	1	3	3	4	3	3	3	3	3	4	0	3	3	4	3

Location/Building Code	Deficiency	Estimated Cost
1B11 | CSB-1	The timber columns were rotted at grade.	$ 2,500
1B11 | CSB-1	The plywood panels were damaged and several were displaced.	$ 27,767
1B11 | FSB-1	The exterior doors had exceeded their expected useful life and had surface damage and minor rust corrosion.	$ 5,239
1B11 | FSB-2	The exterior doors had exceeded their expected useful life.	$ 5,239
TOTAL		$40,745.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Saginaw East Garage

Assessor: AECOM Inspection Date: 10/27/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	3	3	3	3	3	3	3	4	0	3	3	3	0
HSB	1	3	3	3	0	3	3	3	4	3	0	0	3	3	0
HSB	2	3	3	3	0	3	3	3	3	3	0	0	3	3	0
SSB	1	3	4	3	0	3	3	3	0	3	0	0	3	3	0
SSB	2	3	3	3	0	3	3	3	0	3	0	0	3	3	0
SSB	3	2	2	2	0	2	2	2	0	2	0	0	2	2	0

Location/Building Code	Deficiency	Estimated Cost
1B31 | FSB-1	The hollow metal door had excessive corrosion and impact damage at the bottom. The hinges had excessive corrosion.	$ 2,620
1B31 | HSB-1	The formed metal panels on the north and south walls had impact damage in several areas.	$ 7,383

1B31 | HSB-1	The hollow metal doors had corrosion at the bottom of the doors and frames.	$ 13,556
1B31 | HSB-2	The formed metal panels on the north, west, and south walls had impact damage in several areas including above the south overhead door.	$ 3,164
1B31 | HSB-2	The hollow metal doors had corrosion on the doors and frames.	$ 6,778
1B31 | GAR-1	The condensing unit utilized R-22 refrigerant, which is no longer in production.	$ 16,879
1B31 | GAR-1	A hollow metal door on the west side of the building had deteriorated paint, scratches, and moderate rust corrosion at the base of the door and frame.	$ 3,389
1B31 | GAR-1	The steel toilet partition adjacent to the urinal in the men's restroom had excessive corrosion.	$ 3,027
1B31 | SSB-1	The exterior surfaces of the timber columns and boards were weathered.	$ 73,514
1B31 | SSB-1	The painted plywood siding surfaces were weathered and deteriorated.	$ 10,535
1B31 | SSB-1	Damaged boards were observed at the base of walls.	$ 7,714
TOTAL		$148,559.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Bay Region Office / Huron TSC

Assessor: AECOM Inspection Date: 10/28/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
FSB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REG	1	3	3	3	3	3	4	0	4	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1B00 | REG-1	There was no gutter on most of the north and east roof facias which allowed storm water run-off to fall off of the roof right to the base of the north walls and on HVAC equipment along the east wall.	$ 30,127
1B00 | REG-1	The asphalt shingle roof covering was approaching the end of its expected useful life and had areas with curled shingles.	$ 88,072
1B00 | REG-1	The concrete slabs in the vehicle storage bays had spalling along the trench drains.	$ 8,941
1B00 | REG-1	The 2004 hollow metal doors had rust corrosion on their exterior surface and along the bottom of the doors.	$ 12,984
TOTAL		**$140,124.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Davison TSC

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0
TSC	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1B40 | HSB-1	The exterior metal door and hardware were corroded.	$ 3,246
1B40 | TSC-1	The exterior metal doors did not seal properly and had areas of surface corrosion.	$ 6,492
TOTAL		**$9,738.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: St. Clair Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	4	3	3	0	3	3	0	3	3	3	3

Location/Building Code	**Deficiency**	**Estimated Cost**
36B7 | BRG-1	The smoke detector did not function at the time of the assessment.	$ 150
36B7 | BRG-1	The windows were designed to be operable, but no longer opened.	$ 36,445
TOTAL		**$36,595.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Lafayette Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 12/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	4	3	3	3	3	4	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
12B2 | BRG-1	The PTAC unit had exceeded its expected useful life.	$ 14,140
12B2 | BRG-1	Facility staff reported that the building settlement would not allow the windows to fully open. A quarter of the window panes were fogged and one frame was loose at the bottom frame.	$ 63,779
12B2 | BRG-1	The VCT on the top level was heavily worn and scratched.	$ 6,926
12B2 | BRG-1	The hollow metal door had rust corrosion on its surface and frame.	$ 3,930
TOTAL		**$88,775.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Veterans Memorial Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 12/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	3	3	3	0	3	3	0	3	3	4	0

Location/Building Code	Deficiency	Estimated Cost
14B1 | BRG-1	The radiator for the generator was installed on the exterior of the building and was severely corroded. The battery alarm was continuously in trouble status.	$ 7,500
14B1 | BRG-1	The emergency fixtures were not functional at the time of the assessment.	$ 7,778
14B1 | BRG-1	The camera monitoring was not functional at the time of the assessment.	$ 5,000
TOTAL		**$20,278.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Zilwaukee Bridge Maintenance Facility

Assessor: AECOM Inspection Date: 12/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	0	3	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0
HSB	1	3	3	3	3	3	3	3	3	3	0	0	3	3	0
HSB	2	3	3	3	3	3	3	3	3	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1B12 | HSB-2	The T12 fixtures had exceeded their expected useful life. T12 lamps are no longer manufactured.	$ 875
1B12 | GAR-1	Minor longitudinal cracking was observed throughout the parking lots and driveways.	$ 580
1B12 | GAR-1	The metal clad doors had moderate rust corrosion along the bottom of the doors and on hinges.	$ 5,421
TOTAL		**$6,876.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Bay City TSC

Assessor: AECOM Inspection Date: 12/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0
TSC	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1B30 | HSB-1	The condensing unit utilized R-22 refrigerant which is no longer in production.	$ 8,173
1B30 | HSB-1	The doors had moderate corrosion on their exterior surfaces.	$ 6,508
1B30 | SHB-1	There was moisture damage along the perimeter of the plywood wall exterior.	$ 4,628
1B30 | TSC-1	The mini split system condenser utilized R-22 refrigerant, which is no longer manufactured.	$ 6,454
1B30 | TSC-1	The asphalt covering showed evidence of previous crack-seal attempts. Sealed cracks have broken through patches. Longitudinal and transverse cracking was observed throughout.	$ 500
TOTAL		**$26,263.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Military Lift Bridge

Assessor: AECOM Inspection Date: 12/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3

Location/Building Code	**Deficiency**	**Estimated Cost**
35B7 | BRG-1	N/A	0.00
TOTAL		**$ 0.00**

BOBS REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Port Huron Project Office (Temporary)

Assessor: AECOM Inspection Date: 12/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
OFF	1	3	3	3	3	3	4	3	3	4	0	3	3	3	3
SHB	1	3	3	3	0	0	3	0	3	0	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1B71 | OFF-1	The asphalt shingles roof covering was approaching the end of its expected useful life.	$ 49,820
1B71 | OFF-1	The RTU utilized R-22 refrigerant which is no longer being manufactured.	$ 42,441
1B71 | OFF-1	The asphalt paved parking lots had excessive amounts of linear and alligator cracking throughout.	$ 75,126
1B71 | OFF-1	The hollow metal door had moderate rust corrosion on its frame, hasp hardware, and around its glass lite frame.	$ 3,930
TOTAL		**$171,317.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Blue Water Bridge Administration

Assessor: AECOM Inspection Date: 12/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	3	0	3	3	3	0	0	0	3	3	0
GEN	1	3	3	3	0	3	3	0	3	3	3	3	3	4	0
INS	1	3	3	3	3	3	3	3	3	3	0	3	3	4	3
INS	2	3	3	3	3	3	3	0	4	3	0	3	3	3	0
OFF	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3
OTH	1	3	3	0	0	0	3	0	3	3	3	3	3	3	0
TLB	1	4	3	3	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
OFF1	Exterior stairs are in need of repairs; galvanized coating is worn and rusting	$ 530
INS1	The transformer in the first floor electrical closet is severely corroded	$ 11,950
INS2	The exterior doors have reached end of useful life	$ 10,404

INS2	VCT flooring exceed useful life, scuffed, stained, worn	$	4,331
TLB1	Rust corrosion and impact damage to exterior walls, spalling and impact damage to concrete panels, missing concrete panels, rust corrosion on doors – replace 5 original toll booths, replace 12 original inspection booth, incorporate space for bathroom and break room	$	877,404
CSB1	Impact damage and corrosion to exterior wall panels	$	1,000
GEN1	The generator is not functional, replace the generator	$	184,253
OTH1	The exterior doors are corroded, replace exterior doors	$	5,239
			$1,095,111

2022/2023 FACILITY ASSESSMENT

MDOT Site: Port Huron Garage

Assessor: AECOM Inspection Date: 12/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	0	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	3	3	3	3	3	3	4	4	3	3	3	3	3
SHB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSB	1	3	3	3	0	0	3	0	3	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
BWB5 | GAR-1	The condensing unit utilized R-22 refrigerant which is no longer being manufactured.	$ 13,416
BWB5 | GAR-1	The hollow metal sidelight frame at the northwest office entrance was moderately rusted along the bottom.	$ 4,181
BWB5 | GAR-1	The hollow metal doors and their frames had moderate rust corrosion at their bottoms.	$ 35,370
1B71 | OFF-1	The asphalt shingles roof covering was approaching the end of its expected useful life.	$ 49,820
1B71 | OFF-1	The RTU utilized R-22 refrigerant which is no longer being manufactured.	$ 42,441

1B71 | OFF-1	The asphalt paved parking lots had excessive amounts of linear and alligator cracking throughout.	$ 75,126
1B71 | OFF-1	The hollow metal door had moderate rust corrosion on its frame, hasp hardware, and around its glass lite frame.	$ 3,930
TOTAL		**$224,284.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Port Huron Welcome Center

Assessor: AECOM Inspection Date: 12/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
2	0	2	0	2	2	2

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	2	2	2	2	2	2	0	2	2	0	2	2	2	2

Location/Building Code	Deficiency	Estimated Cost
BWB6 | WCT-1	The hot water storage tanks were moderately corroded.	$ 500
TOTAL		**$500.00**

GRAND REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Muskegon TSC

Assessor: AECOM Inspection Date: 8/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0
TSC	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1G03 | HSB-1	Facility staff reported the furnace was inefficient and capacity did not support the required load.	$ 3,346
1G03 | TSC-1	Building staff reported that one of the furnaces had a damaged heating element and only two of three furnaces were operational. This adds additional load on working furnaces and causes HVAC zone issues.	$ 500
1G03 | TSC-1	The asphalt paving had areas of cracking.	$ 1,000
1B51 | GAR-1	The steel urinal partition in the men's restroom had excessive rust corrosion.	$ 1,499
TOTAL		**$6,345.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Grand Haven Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 8/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	4	4	4	4	3	3	0	4	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
30G8 | BRG-1	Significant structural and foundation issues were observed throughout the building. Walls and ceilings were cracked throughout and the structural support beams on the lower floors were eroding.	$ 45,000
30G8 | BRG-1	There was cracking, spalling and efflorescence observed on the exterior concrete walls. Additionally, there was efflorescence on the interior of the building.	$ 75,000
30G8 | BRG-1	Several holes were present throughout the interior.	$ 50,000
30G8 | BRG-1	The service sink had exceeded expected useful life and was leaking at the time of the assessment.	$ 2,724
30G8 | BRG-1	The windows had deteriorated sealant, were weathered and damaged, and one window was shattered.	$ 31,890
30G8 | BRG-1	The VCT flooring was cracked and worn.	$ 4,331
30G8 | BRG-1	The emergency lighting fixtures had exceeded their expected useful life and were not operational.	$ 5,833

30G8 | BRG-1	The hollow metal doors, frames, and thresholds had moderate rust corrosion.	$ 15,720
TOTAL		**$230,498.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Cadillac TSC

Assessor: AECOM Inspection Date: 8/29/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	3	3	3	3	0	3	4	0	3	3	3	3
TST	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G11 | TST-1	The egress lighting was inoperable at the time of assessment.	$ 1,945
TOTAL		**$1,945.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Reed City Garage

Assessor: AECOM Inspection Date: 9/19/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	0	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	4	3	3	3	4	4	3	4	3	4	3	4	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	3	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	4	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
SSB	2	3	3	3	0	3	3	3	0	4	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G12 | GAR-1	There was minor step cracking and peeling paint throughout the 1976 exterior wall sections.	$ 77,819
1G12 | GAR-1	Facility staff reported that the TPO roof underwent recent repairs for leaks and appeared to be approaching the end of its expected useful life.	$ 246,095

1G12 | GAR-1	The rooftop package air-conditioning unit was charged with R-22 refrigerant, which is no longer manufactured in or available via import to the United States.	$ 17,915
1G12 | GAR-1	The majority of the rooftop exhaust fans had exceeded their expected useful life.	$ 11,000
1G12 | GAR-1	The make-up air units were corroded and likely had exceeded their expected useful life.	$ 74,547
1G12 | GAR-1	Four electrical panelboards remained from original building construction and had exceeded their expected useful life.	$ 23,279
1G12 | GAR-1	The chain link fencing had rust corroded barbed wire and approximately 70 LF of the fence along the east side of the site had bent posts and top rails. The fence also had areas of vegetation overgrowth in the fence fabric.	$ 52,317
1G12 | GAR-1	The parking lot striping was deteriorated and faded.	$ 2,219
1G12 | GAR-1	The water heater had exceeded its expected useful life.	$ 12,882
1G12 | GAR-1	The interior HID fixtures in the wash bay had exceeded their expected useful life.	$ 7,195
1G12 | GAR-1	Seven of the nine electric metal overhead sectional doors had exceeded their expected useful life.	$ 72,368
1G12 | GAR-1	The majority of the exit signage throughout the building had exceeded its expected useful life.	$ 5,005
1G12 | SSB-2	Two axial exhaust fans were not operating at the time of the assessment. All fans were heavily corroded and assumed to be beyond their expected useful life.	$ 13,750
1G12 | SSB-2	The exterior electrical panelboard near the building entrance had signs of corrosion and was at the end of its useful life.	$ 6,782
1G12 | SHB-1	Because the building does not have an appropriate foundation, the bottom trim board and the floor structure were deteriorated. Additionally, the built-up asphalt ramp approaching the building did not reach the level of the floor.	$ 2,631
1G12 | SHB-1	The roof was missing shingles in multiple locations and had exceeded its expected useful life.	$ 930

1G12 | SHB-2	The paint along the grout lines in the CMU exterior was deteriorated.	$ 6,259
1G12 | SHB-4	There was moisture damage to the floor of the building.	$ 1,914
1G12 | SHB-4	There was a section of damaged roof and trim and the asphalt shingles had exceeded their expected useful life.	$ 689
TOTAL		**$635,596.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Howard City Complex (Leased by MSP)

Assessor: AECOM Inspection Date: 9/19/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	3	3	0	3	3	3	3	0	0	0	3	3	0
TSC	1	3	3	3	3	3	3	0	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1G14 | TSC-1	The package air conditioning unit was charged with R-22 refrigerant, which has been phased out of production in the United States and is not available by import.	$ 24,296
1G14 | TSC-1	Linear cracking with vegetation growth and deteriorated striping was observed throughout the parking lots.	$ 43,129
1G14 | TSC-1	Corrosion was observed on the toilet partition adjacent to the urinal in the men's multi-occupant restroom.	$ 3,027
TOTAL		**$70,452.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Marion Garage

Assessor: AECOM Inspection Date: 9/20/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	4	3	0	3	3	3	0	3	0	0	3	3	0
CSB	2	3	4	3	3	3	3	3	3	3	0	0	3	3	0
GAR	1	3	4	4	3	3	3	3	3	4	3	4	3	4	3
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G13 | GAR-1	There was minor step cracking and peeling paint throughout the 1974-age exterior wall sections.	$ 30,189
1G13 | GAR-1	The air-cooled condensers for the ducted split systems were charged with R-22 refrigerant, which is no longer manufactured in or available via import to the United States.	$ 23,328
1G13 | GAR-1	Two electrical panelboards remained from original building construction and had exceeded their expected useful life.	$ 11,640

1G13 | GAR-1	The asphalt paving had linear cracking throughout and some areas of alligator cracking, and the striping had minor wear.	$ 63,994
1G13 | GAR-1	The VCT flooring was heavily worn under chair rollers.	$ 11,531
1G13 | GAR-1	The gas-fired water heater had exceeded its expected useful life.	$ 19,987
1G13 | GAR-1	Facility staff noted that the waste water storage tank did not have a tank fill level or alarm system to indicate the tank was nearing capacity.	$ 7,500
TOTAL		**$168,169.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Grand Region Maintenance Crews

Assessor: AECOM Inspection Date: 10/11/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
RMC	1	3	3	3	3	3	3	3	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1G05 | RMC-1	The translucent fiberglass panels on the south wall had surface deterioration.	$ 1,001
1G05 | RMC-1	Minor step cracking was observed in the south wall.	$ 2,596
1G05 | RMC-1	Two of the condensing units utilized R-22 refrigerant which is no longer in production.	$ 16,346
1G05 | RMC-1	The chain link fence was aged, had damaged posts, rails and fabric, and components with moderate rust corrosion.	$ 209,335
1G05 | RMC-1	The chain link gates were aged and had bent and rusting components.	$ 25,989
1G05 | RMC-1	The asphalt paving had moderate amounts of linear cracking.	$ 6,296
TOTAL		**$261,563.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Hastings Garage

Assessor: AECOM Inspection Date: 10/11/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	4	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	3	4	3	3	3	4	3	3	0	3	3	4	0
SHB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	0	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G07 | CMA-1	The plywood siding had deteriorated paint and moisture damage along the bottom of the walls.	$ 4,217
1G07 | GAR-1	The electrical distribution system equipment had exceeded the end of its expected useful life.	$ 51,426
1G07 | GAR-1	The chain link fence had sections of damaged fabric, posts, and rails and areas with heavy vegetation growth.	$ 106,740
1G07 | GAR-1	Facility staff reported that the site did not have adequate storm water drainage.	$ 10,000
1G07 | GAR-1	The asphalt paved parking lot had moderate linear cracking and ponding areas with alligator cracking as well as damaged concrete curbs.	$ 207,156

1G07 | GAR-1	The VCT had a worn surface, curling edges and missing tiles.	$	25,594
1G07 | GAR-1	The 1985 electric metal sectional overhead doors had exceeded their expected useful life.	$	13,728
TOTAL			**$418,861.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Grand Rapids Garage

Assessor: AECOM Inspection Date: 10/11/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	4	3	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G10 | GAR-1	The painted CMU walls had excessive peeling paint throughout.	$ 43,464
1G10 | GAR-1	The condensing unit utilized R-22 refrigerant which is no longer in production.	$ 8,173
1G10 | GAR-1	The asphalt parking lot had linear cracks throughout including some with vegetation growth.	$ 31,930
TOTAL		**$83,567.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Fennville Garage

Assessor: AECOM Inspection Date: 10/12/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FSB	1	2	2	0	0	2	2	0	2	0	0	0	2	0	0
GAR	1	3	4	3	3	3	3	3	3	4	0	4	4	3	0
HSB	1	3	3	3	0	3	3	3	3	3	0	0	4	3	0
HSB	2	2	2	2	2	2	2	2	2	2	0	2	2	2	0
SSB	1	3	3	0	0	3	3	0	0	3	0	0	3	3	0
SSB	2	2	2	2	0	2	2	0	0	2	0	0	2	2	0

Location/Building Code	Deficiency	Estimated Cost
1G09 | GAR-1	The exhaust fans throughout the building were moderately corroded and had exceeded their expected useful life.	$ 19,250
1G09 | GAR-1	Several sections of security fencing had missing security wire and were corroded and damaged.	$ 26,787
1G09 | GAR-1	The asphalt paving had linear cracking throughout and some areas of alligator cracking. The striping had minor wear.	$ 1,562

1G09 | GAR-1	Staff reported issues with the septic system including broken pipes and improperly graded pavement. A retention pond was installed to mitigate flooding, but flooding still occurs.	$ 2,500
1G09 | GAR-1	Facility staff reported issues with current lighting fixtures, indicating several ballasts worked intermittently. Facility staff reported a lighting ballast caused a shortage and caught fire.	$ 23,982
1G09 | GAR-1	Building staff indicated severe drainage issues in the shop and wash bay. Staff reported constant backed up water, voids in foundation, and broken pipes.	$ 32,600
1G09 | SSB-2	The plywood siding on the west wall of the brine tank enclosure had moisture damage along the bottom, assumed to be caused by storm water runoff from the roof splashing on the siding.	$ 3,421
1G09 | SSB-1	The concrete walls at the building entrance were cracked, spalled, and had exposed and corroded rebar.	$ 2,683
TOTAL		**$112,785.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Plainwell Garage

Assessor: AECOM Inspection Date: 10/13/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	4	3	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
CSB	1	3	3	3	0	3	3	3	3	0	0	0	3	3	0
FSB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAR	1	3	3	4	4	3	3	3	3	3	0	4	3	4	3
SSB	1	3	3	3	0	3	3	0	0	3	0	0	3	3	0
SSB	2	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1G08 | CSB-1	The electrical distribution equipment had exceeded its expected useful life.	$ 9,811
1G08 | GAR-1	The base of the rigid frame columns in the wash bay were excessively corroded and had lost most of their structural section. This poses a life safety issue and was reported to facility staff at the time of the assessment.	$ 3,773
1G08 | GAR-1	The painted CMU in the garage had excessive peeling paint.	$ 12,390
1G08 | GAR-1	The electrical distribution equipment had exceeded its expected useful life.	$ 39,787

1G08 | GAR-1	Sections of the site fencing were severely corroded and damaged.	$ 21,441
1G08 | GAR-1	Significant drainage issues were reported and observed. The south side of the site was sloped improperly and did not drain to a catch basin, standing water and eroded earth was observed on the paved lot. North drainage emptied to storage tanks that did not have an overfill alarm and constantly overflowed damaging the area around the tanks.	$ 5,000
1G08 | GAR-1	Areas of the site were repaired with 3 inches of asphalt, but underlying cracking was not repaired, causing cracks in the re-paved areas.	$ 5,315
1G08 | GAR-1	The facility staff reported that the single pane windows in the garage were inefficient.	$ 79,428
1G08 | GAR-1	The VCT in the office area had heavy surface wear.	$ 13,257
1G08 | GAR-1	The bottom surface of the metal lockers were excessively corroded.	$ 11,987
1G08 | GAR-1	Building staff reported that the catch basins throughout the shops and wash bay were constantly blocked and backed up into the building, requiring frequent maintenance to keep drains clear.	$ 117,414
TOTAL		**$319,603.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Grand Region Office

Assessor: AECOM Inspection Date: 10/14/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
REG	1	3	3	3	3	3	4	0	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1G01 | REG-1	The exterior walls had deteriorated expansion joint sealant	$ 2,587
1G01 | REG-1	The exterior walls had loose and missing tiles.	$ 4,957
1G01 | REG-1	The EPDM membrane roof had exceeded it's expected useful life and ponding was observed throughout the low slope roof as well as multiple patches and an active leak observed in the men's restroom.	$ 243,934
1G01 | REG-1	The mini split system condensing units utilized R-22 refrigerant which is no longer in production.	$ 31,144
1G01 | REG-1	The parking lot had a minor amount of linear cracking.	$ 150
1G01 | REG-1	Sewer gas was entering the lab area through the floor drain.	$ 5,000
TOTAL		**$287,772.00**

LANSING REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Operations Field Services (OFS)

Assessor: AECOM Inspection Date: 8/2/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	4	4	4	3	3	3	4	3	3	0	3	4	4	0
GAR	1	3	3	4	3	3	4	4	3	3	0	3	3	3	3
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1L02 | CSB-1	There was evidence of corrosion from prior water intrusion; however, the assessment team was challenged to determine additional deficiencies due to inadequate lighting within the space.	$ 10,000
1L02 | CSB-1	The formed metal exterior wall panels were beyond their expected useful life.	$ 98,762
1L02 | CSB-1	There was damage and signs of water intrusion at the corner of the CMU wall.	$ 9,449
1L02 | CSB-1	The exterior wood stairs were deteriorated and beyond their expected useful life.	$ 2,778

1L02 | CSB-1	It appeared that the water utility had been disconnected. The restrooms were no longer in use and plumbing fixtures were in poor condition.	$	2,392
1L02 | CSB-1	The AC thru-wall unit in the mezzanine office was not operational.	$	500
1L02 | CSB-1	It was unknown whether the electrical service to the interior was still in use. There was aged electrical distribution equipment throughout the building. Panels were missing covers, which was a potential life safety hazard.	$	28,191
1L02 | CSB-1	The exterior windows were beyond their expected useful life. The frames were corroded and one window was broken.	$	6,553
1L02 | CSB-1	The mezzanine stair was dirty and paint finish was worn.	$	500
1L02 | CSB-1	The floor finishes in the unused mezzanine, restrooms and support areas were deteriorated.	$	13,805
1L02 | CSB-1	It appeared the facility water utility was disconnected. The hot water heated was no longer in use.	$	500
1L02 | CSB-1	The interior lighting was inadequate and beyond its expected useful life.	$	23,193
1L02 | CSB-1	The exterior personnel door at the loading dock was beyond its expected useful life. The door was corroded and there were signs of pest intrusion inside the facility.	$	3,389
1L02 | CSB-1	The exterior manual overhead doors at the loading dock were beyond their expected useful life. The doors were damaged or did not close securely. There were signs of pest intrusion inside the facility.	$	29,269
1L02 | CSB-1	The mezzanine, restroom, and support area ceiling finishes were deteriorated.	$	20,180
1L02 | GAR-1	The age of the roof was unknown at the time of the assessment; however, it will be nearing the end of its expected useful life if it is original construction. The roof was repaired recently to resolve water intrusion issues.	$	683,141
1L02 | GAR-1	The asphalt parking lot was deteriorated and there was drainage issues with ponding and pavement failure.	$	1,400,000
1L02 | GAR-1	The carpet in the open office area was generally worn and stained throughout high traffic areas.	$	104,153
1L02 | GAR-1	The overhead door openers had been replaced, but the doors were deteriorated.	$	147,064
1L02 | GAR-1	The insulation in the bay area was observed with water damage in several large areas.	$	5,000
TOTAL			**$2,588,819.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Fleet Administration and Operations

Assessor: AECOM Inspection Date: 8/3/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	3	4	3	3	3	3	3	4	4	4	4	3	3
HSB	1	3	3	3	3	3	3	3	3	4	0	3	4	3	0
HSB	2	3	4	3	4	3	3	3	3	4	0	0	3	3	3
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1L04 | HSB-2	The exterior metal panels were peeled away from the edges, patched, and the paint was faded.	$ 15,819
1L04 | HSB-2	The unit heater was not properly supported. The support structure was not properly anchored to support the weight of the unit heater.	$ 12,857
1L04 | HSB-2	The fire alarm appeared to be non-operational and beyond its expected useful life.	$ 4,395
1L04 | HSB-2	The electrical panel was aged beyond its expected useful life.	$ 5,563

1L04 | HSB-2	The windows were deteriorated and aged beyond their expected useful life.	$ 15,677
1L04 | HSB-2	Facility staff reported that the interior and exterior lighting was inadequate. The lighting fixtures were aged beyond their expected useful life.	$ 6,562
1L04 | GAR-1	Facility staff reported that repairs were needed on the lower roof system.	$ 5,002
1L04 | GAR-1	The lower sections of roof shingles were deteriorated.	$ 1,654
1L04 | GAR-1	An eye wash station in the garage was dirty and corroded.	$ 1,302
1L04 | GAR-1	Several multi-occupancy restroom and kitchen fixtures were beyond their expected useful life.	$ 21,146
1L04 | GAR-1	The wall-mounted exhaust fans were beyond their expected useful life.	$ 11,447
1L04 | GAR-1	The vehicle exhaust systems present in the garage area were beyond their expected useful life.	$ 106,963
1L04 | GAR-1	Several areas of concrete sidewalk were deteriorated and cracked.	$ 5,000
1L04 | GAR-1	The locker/break room floor was not level and had a significant slope causing a potential tripping or fall hazard.	$ 26,502
1L04 | GAR-1	The interior and exterior lighting fixtures were beyond their expected useful life.	$ 76,731
1L04 | GAR-1	The cabinets and countertops in the kitchen were deteriorated.	$ 20,069
1L04 | HSB-2	The exterior metal panels were peeled away from the edges, patched, and the paint was faded.	$ 15,819
1L04 | HSB-2	The unit heater was not properly supported. The support structure was not properly anchored to support the weight of the unit heater.	$ 12,857
1L04 | HSB-2	The fire alarm appeared to be non-operational and beyond its expected useful life.	$ 4,395

1L04 | HSB-2	The electrical panel was aged beyond its expected useful life.	$ 5,563
TOTAL		**$375,323.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Aeronautics Administration and Operations

Assessor: AECOM Inspection Date: 8/3/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
AER	1	3	3	3	3	3	3	3	3	3	0	3	3	4	3
HNG	1	3	3	4	4	3	3	3	3	3	0	4	3	4	3

Location/Building Code	Deficiency	Estimated Cost
1L05 | AER-1	The humidifier in one of the conference rooms was not functioning as intended.	$ 2,500
1L05 | AER-1	The electrical switchboard, transformer and distribution panels were at the end of expected useful life.	$ 179,734
1L05 | AER-1	It was unknown whether MDOT maintained the auxiliary parking lot east Port Lansing Road. There was a significant amount of crack repairs performed; however, several repairs were beginning to fail.	$ 490,711
1L05 | HNG-1	Stains and leaks in the mop sink were present in the hangar area.	$ 500
1L05 | HNG-1	The eyewash fixture valves and piping were corroded.	$ 2,500
1L05 | HNG-1	The main panelboards, transformers and electrical distribution equipment were at the end of expected useful life.	$ 164,032

1L05 | HNG-1	There were signs of corrosion and leaking of the windows at the southeast elevation. Facility staff reported that windows in Hangar 2 had been an issue over time with leaks; however, there were no major issues since performance of maintenance repairs.	$	46,960
1L05 | HNG-1	There was moderate scratching and deterioration from typical use throughout the garage and hangars.	$	70,807
1L05 | HNG-1	Several shut-off valves were corroded and were susceptible to failure during operation.	$	23,433
TOTAL			**$981,177.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Nixon Warehouse

Assessor: AECOM Inspection Date: 8/3/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WRH	1	3	3	4	3	3	4	4	3	4	0	4	4	4	0

Location/Building Code	Deficiency	Estimated Cost
1L07 | WRH-1	There were signs of water intrusion in the high bay insulation and in the office area.	$ 75,306
1L07 | WRH-1	All plumbing fixtures in the single-occupant restrooms were cracked, corroded, and stained. The facility staff reported sanitary pipes being clogged in the restrooms.	$ 23,262
1L07 | WRH-1	The mop basin was cracked and deteriorated.	$ 850
1L07 | WRH-1	The exhaust fan in the high bay was non-operational.	$ 1,486
1L07 | WRH-1	Several of the infrared radiant tube heaters were non-operational.	$ 23,711
1L07 | WRH-1	The diffusers/underfloor ducts were assumed to be in poor condition. Growth of mold is a possibility given the condition of the warehouse.	$ 39,301

1L07 | WRH-1	The furnace was beyond its expected useful life and assumed to be non-operational.	$	2,975
1L07 | WRH-1	The electrical distribution was beyond its expected useful life.	$	50,018
1L07 | WRH-1	The asphalt roadway and parking lot had moderate amounts of linear cracking throughout.	$	14,901
1L07 | WRH-1	The windows were beyond their expected useful life.	$	6,553
1L07 | WRH-1	The floor finishes in the unoccupied office and support areas were stained and deteriorated, indicating a potential for mold and air quality issue.	$	4,405
1L07 | WRH-1	The water heater was non-operational and beyond its expected useful life.	$	3,574
1L07 | WRH-1	A majority of the light fixtures were non-operational or were flickering. The lights in the unoccupied office were non-operational.	$	23,225
1L07 | WRH-1	Two of the four overhead doors were not in use. Facility staff reported that all the overhead doors were beyond their expected useful life.	$	37,097
1L07 | WRH-1	The batt insulation in the high bay area was observed with significant damage due to water intrusion from the roof.	$	19,749
1L07 | WRH-1	The ACT was observed with damage throughout.	$	24,867
TOTAL			**$351,280.00**

METRO REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Taylor TSC

Assessor: AECOM Inspection Date: 11/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	2	2	2	2	2	2	2	2	2	0	2	2	2	0
TSC	1	3	3	3	3	3	3	0	3	4	0	3	3	3	3

Location/Building Code	**Deficiency**	**Estimated Cost**
1M02 – TSC1	Mechanical/HVAC – RTU is beyond useful life, R22 refrigerant, obsolete and should be replaced	79,723
1M02 – TSC1	Pavement is alligator cracking throughout, needs to be resealed	34,899
TOTAL		**$ 114,622**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Ford/Wyoming Salt Storage

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	2	2	2	2	2	2	2	2	2	0	2	2	2	0
TSC	1	3	3	3	3	3	3	0	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1M53 | SSB-2	Excessive rust corrosion was observed on the formed metal panels as well as moderate amounts of minor impact damage throughout.	$ 42,686
1M53 | SSB-2	The sliding doors were missing and there were missing and damaged plastic strips on the door curtain.	$ 37,620
1M53 | SSB-1	The sliding doors were missing and there were missing and damaged plastic strips on the door curtain.	$ 37,620
TOTAL		**$117,926.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Fort Street Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	2	0	2	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	2	2	2	2	2	4	0	2	2	0	2	2	2	2

Location/Building Code	Deficiency	Estimated Cost
16M7 | BRG-1	There was evidence of water intrusion on the interior of the building on the 2nd floor.	$ 19,307
16M7 | BRG-1	Facility staff reported that the ductless mini split system was not used due to mold inside of the unit.	$ 6,229
16M7 | BRG-1	The ceiling tiles were stained and damaged throughout.	$ 5,921
TOTAL		**$31,457.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Caniff-Greeley Salt Storage

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	4	0	3	0	0	0	0	0	0	0	0	0
SSB	1	3	4	3	0	3	3	3	4	0	0	0	3	3	0
SSB	2	3	4	3	0	3	3	3	4	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1M54 | CSB-1	The asphalt pavement was deteriorated, excessively cracked, was missing in areas, and had areas of ponding.	$ 74,820
1M54 | SSB-1	Timber posts on the back exterior wall were displaced at the top, causing the plywood panels to be displaced.	$ 12,458
1M54 | SSB-1	The interior electrical panelboard near the facility entrance had signs of corrosion and was at the end of its expected useful life.	$ 6,782
1M54 | SSB-1	The left side sliding door was missing.	$ 19,418

1M54 | SSB-2	There were several timber columns that were bowed and cracked from horizontal loads and the tongue and groove wood siding on the gable walls was deteriorated, curled, and displaced.	$ 37,136
1M54 | SSB-2	The right side sliding door was missing.	$ 19,418
TOTAL		**$170,032.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Pelham Yard Salt Storage

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	0	0	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
SSB	1	3	4	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1M56 | SSB-1	The paint finish on the plywood siding was moderately deteriorated and some edges were detached and curled.	$ 40,069
1M56 | SSB-1	The native vegetation was overgrown around the building and in the fencing.	$ 131,463
1M56 | SSB-1	The double cantilever aluminum gates at the site entrance had only one functional side and the other side had makeshift frame repairs and displaced barbed wire.	$ 12,231
1M56 | SSB-1	The concrete paved entrance road had excessive linear cracking.	$ 128,054
1M56 | SSB-1	The perimeter chain link fence was corroded, had damaged posts and fabric, damaged and loose barbed wire throughout, and heavy vegetation growth.	$ 118,887

1M56 | SSB-1	The chain link swing gates to the northwest lot had heavy vegetation growth, corroded posts, rails and fabric, and corroded and displaced barbed wire.	$ 12,231
TOTAL		**$442,935.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Detroit Garage

Assessor: AECOM Inspection Date: 11/17/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	4	0	0	3	3	3	3	0	0	0	4	3	0
GAR	1	3	3	4	3	3	4	3	3	4	3	3	3	3	3
SSB	1	3	3	0	0	3	3	3	3	3	0	0	4	3	0

Location/Building Code	Deficiency	Estimated Cost
1M08 – GAR1	Exterior Doors are corroded	$ 8,677
1M08 – GAR1	Roof membrane is bubbling, has become detached during storms, leaks and is beyond useful life. Replace roof.	$333,735
1M08 – GAR1	Carpet flooring in office area is badly stained and worn. Replace carpet.	$12,651
1M08 – GAR1	Condensing unit is beyond useful life, obsolete with R22 refrigerant and does not function. Replace outside unit.	$19,909
1M08 – GAR1	Asphalt paving is alligator cracked throughout, many areas of linear cracking. Repave lot.	$183,925
1M08 – SSB1	Metal man door is corroded and will not open. Replace door.	$3,389
1M08 – SSB1	Interior lighting has exceeded useful life. Replace lighting.	$16,158
1M08 – CSB1	Metal structure components are rotting. Investigate and hire structural expert for review and counsel on repairs.	$5,000

1M08 – CSB1	Metal wall panels, exterior, are corroded, in need of replacement. Replace exterior wall panels.	$216,191
1M08 – CSB1	CMU walls are chipped, cracked, and damaged throughout. Repair CMU walls.	$106,074
1M08 – CSB1	Exterior door frames are corroded. Sand and paint door frames to remedy and limit additional damages and corrosion.	$1,000
1M08 – CSB1	Exterior personnel doors are severely corroded, Replace exterior personnel doors.	$6,778
1M08 – CSB1	Exterior HID lighting and wall packs are beyond useful life. Replace lights.	$10,614
TOTAL		**$924,101.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Oakland TSC

Assessor: AECOM Inspection Date: 12/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	3	3	3	4	0	3	4	0	3	3	3	3
TST	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1M04 – TSC1	Roof covering is at end of useful life, cupping due to inadequate insulation. Replace roof and insulation.	$128,010
1M04 – TSC1	Two condensing units (A/C) are obsolete, R22 refrigerant, and beyond useful life. Replace condensing units.	$39,817
TOTAL		**$167,827.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Metro Region Maintenance Crews

Assessor: AECOM Inspection Date 12/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
HSB	1	3	3	3	3	3	3	3	3	3	0	0	3	3	0
OFF	1	3	3	4	3	3	3	3	3	4	0	3	4	4	3
RMC	1	3	3	4	3	3	3	3	3	3	3	3	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1M07 – OFF1	Expansion joint sealant in brick veneer is deteriorated. Reseal.	$3,104
1M07 – OFF1	Metal exterior screen wall panels are heavily corroded and peeling paint. Replace the screen wall panels.	$4,427
1M07 – OFF1	Second floor windows are plexiglass, aged, loose and squeak when hvac system is running. Replace plexiglass windows with more appropriate window materials.	$31,593
1M07 – OFF1	There are areas where ceiling acoustic tiles are missing, glue patches remain on ceiling, Replace acoustic panels.	$474
1M07 – OFF1	Roof top unit is past useful life, using R22 refrigerant; piping and mounting skids are severely corroded. Replace RTU and piping.	$126,849

1M07 – OFF1	Electrical distribution panels are beyond useful life, lighting fixtures not functional as a result of electrical distribution panel issues; panel cabinets and doors are heavily corroded. Replace electrical distribution.	$34,928
1M07 – OFF1	The T12 lighting fixtures are beyond useful life; not operational in some areas of the building. Replace interior T12 light fixtures.	$55,894
1M07 – OFF1	Concrete pad in front of doorway is spawling, broken. Replace concrete pad.	$7,801
1M07 – RMC1	Interior wood door and frame are severely scratched, stained and damaged. Replace the interior wood door and frame.	$2,776
1M07 – RMC1	The VCT flooring on the second level is severely stained, cracked, missing tiles and exceeded useful life. Replace flooring.	$89,722
1M07 – RMC1	Epoxy paint is excessively worn throughout the garage. Reseal and paint the garage flooring.	$105,412
1M07 – SHB1	The exterior doors are severely damaged and hard to close, exceeded useful life. Replace doors.	$5,239
TOTAL		**$468,219**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Metro Region Office

Assessor: AECOM Inspection Date: 12/9/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	0	3	0	0	0	0	0	0
REG	1	3	3	3	3	3	3	0	3	3	0	3	3	3	3
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1M01 – REG1	The west exterior door has excessing rust and corrosion. Replace the west exterior door	$2,170
1M01 – REG1	The roof scuppers do not extend properly to allow for proper drainage. Damage is occurring. Replace the scuppers to extend adequately.	$9,567
1M01 – REG1	The rooftop transformer is heavily corroded. Replace the transformer.	$5,975
1M01 – SHB1	The OSB siding is aged, damaged, missing in some areas and has holes in it. Replace the OSB siding.	$3,703
1M01 – SHB1	The exterior doors are aged, weathered, and missing wood trim. Replace the exterior doors.	$4,339
1M01 – SHB1	The asphalt roof covering is approaching end of useful life, sheathing and drip rails were not installed causing water weep and damage to OSB. Replace the roof sheathing, include drip rails, replace facia boards and asphalt shingles.	$853

TOTAL		**$26,607**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Brush Street Garage

Assessor: AECOM Inspection Date: 6/6/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	4	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	0	0	0	0	0	0	0
GAR	1	3	4	4	3	3	4	3	4	4	0	4	4	4	0
SSB	1	3	4	4	0	3	3	3	4	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1M52 | SSB-1	There were approximately 25 punctures and tears in the arched metal roof system.	$ 1,260
1M52 | SSB-1	The plywood on stud wall was displaced along with the brick veneer on the east wall and the plywood siding was weathered and had curled on the west wall.	$ 16,375
1M52 | SSB-1	The brick veneer was displaced from the concrete wall on the south wall and on both sides of the entrance and large areas of missing bricks were observed on both sides of the entrance.	$ 95,095

1M52 | SSB-1	One door was missing and the other had excessive impact damage to its frame and metal panel surface.	$ 15,741
TOTAL		**$0**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Detroit Operations and Service Center

Assessor: AECOM Inspection Date: 6/6/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	2	2	2	2	4	2

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	2	2	2	2	2	2	0	2	2	0	2	4	2	2

Location/Building Code	**Deficiency**	**Estimated Cost**
1M05 – TSC1	The MSP high bay lighting system has multiple points of failure and ongoing maintenance with fixtures, controls, and rope pulley system. Replace the high bay lighting fixtures, controls and rope pulley system.	$73,076
1M05 – TSC1	There were areas of cracked concrete on the sidewalk and curb cracks. Repair/replace concrete.	$6,270
1M05 – TSC1	The parking lot shows widespread cracking and parking lines have faded. Reseal, recoat parking lot and repaint lines.	$42,429
1M05 – TSC1	Exterior parking lot lights and controls are aged and require ongoing maintenance. Replace exterior light fixtures and controls.	$62,434

TOTAL		**$184,209**

NORTH REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: North Region Maintenance Crews

Assessor: AECOM Inspection Date: 8/29/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
HSB	1	3	3	4	3	3	4	0	3	4	0	3	4	3	3
RMC	1	3	3	4	3	3	3	3	3	4	0	4	4	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1N05 | HSB-1	The roof covering had exceeded its expected useful life.	$ 20,810
1N05 | HSB-1	The air cooled condenser was corroded, used R22 refrigerant, and had exceeded its expected useful life.	$ 7,780
1N05 | HSB-1	The natural gas furnace had exceeded its expected useful life.	$ 3,446
1N05 | HSB-1	The natural gas unit heater had exceeded its expected useful life.	$ 1,281
1N05 | HSB-1	The carpet tile was heavily stained.	$ 16,438
1N05 | HSB-1	The painted concrete had moderate peeling.	$ 1,436

1N05 | HSB-1	The interior lighting had exceeded its expected useful life.	$	31,472
1N05 | RMC-1	All plumbing fixtures in the multi-occupant restrooms, locker rooms and breakroom had exceeded their expected useful life.	$	32,781
1N05 | RMC-1	The thru-wall AC unit had exceeded its expected useful life.	$	750
1N05 | RMC-1	The two air cooled condensers utilized R22 refrigerant and had exceeded their expected useful life.	$	16,346
1N05 | RMC-1	The five natural gas furnaces had exceeded their expected useful life.	$	11,607
1N05 | RMC-1	The asphalt pavement had liner and alligator cracking throughout and areas with moderate vegetation growth in the cracks.	$	188,142
1N05 | RMC-1	The barbed wire on the perimeter chain link fence had excessive rust corrosion.	$	11,115
1N05 | RMC-1	The natural gas water heater in the mechanical room had exceeded its expected useful life.	$	7,217
1N05 | RMC-1	The interior lighting and the exit lighting had exceeded their expected useful life.	$	154,786
1N05 | RMC-1	The ACT ceilings had exceeded their expected useful life and had discolored grid and sagging tiles.	$	60,390
1N00 | REG-1	Loose shingles were observed above the main entrance roof ridge.	$	1,311
TOTAL			**$567,108.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Kalkaska Testing Lab

Assessor: AECOM Inspection Date: 8/29/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	3	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TST	1	3	3	4	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1N07 | TST-1	The drinking fountains had exceeded their expected useful life.	$ 5,020
1N07 | TST-1	The carpet tile was stained and had heavy wear under chair rollers.	$ 20,375
TOTAL		$25,395.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Charlevoix Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 8/30/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	4	3	3	3	3	3	4	0	3	4	4	0

Location/Building Code	Deficiency	Estimated Cost
11N8 | BRG-1	Facility staff reported a roof leak that had damaged the ceiling.	$ 2,759
11N8 | BRG-1	The single occupant restroom fixtures had exceeded their expected useful life.	$ 3,436
11N8 | BRG-1	The ductless mini-split had exceeded its expected useful life.	$ 6,229
11N8 | BRG-1	The electric unit heaters had exceeded their expected useful life.	$ 7,893
11N8 | BRG-1	Facility staff reported that the amount of power serving the building was severely undersized. They were operating at capacity despite the high utilization of power strips. Additionally, the transformer and the panelboard had exceeded their expected useful life.	$ 162,741
11N8 | BRG-1	There were not proper handrails on the stairs, which posed a safety hazard.	$ 6,156

11N8 | BRG-1	Portions of the epoxy paint were chipped and peeling.	$	5,020
11N8 | BRG-1	The water heater had exceeded its expected useful life.	$	2,709
11N8 | BRG-1	The interior lighting had exceeded its expected useful life.	$	4,473
11N8 | BRG-1	The emergency egress lighting had exceeded its expected useful life.	$	5,833
11N8 | BRG-1	The doors were deteriorated. The first floor door was lodged shut and the third floor door seals and threshold allowed water intrusion during rainstorm events. The second floor sliding screen door was lodged shut.	$	9,351
11N8 | BRG-1	The ceiling paint was peeling due to a roof leak.	$	200
TOTAL			**$216,800.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Cheboygan Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 8/30/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	3	3	3	0	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
13N2 | BRG-1	Water damage from an undetermined source was observed on the bottom of a lower level gypsum board wall.	$ 500
13N2 | BRG-1	The service sink was approaching the end of its expected useful life.	$ 2,724
13N2 | BRG-1	The single occupant restroom plumbing fixtures were approaching the end of its expected useful life.	$ 3,436
13N2 | BRG-1	Facility staff reported that there are frequent issues with the cooling system including freezing of refrigerant lines.	$ 6,229
13N2 | BRG-1	There were signs of water damage on conduits and a disconnect switch serving the bridge control cabinets.	$ 500
13N2 | BRG-1	The water heater had exceeded its expected useful life.	$ 1,942

13N2 | BRG-1	The exit lighting had exceeded its expected useful life.	$	1,877
13N2 | BRG-1	The emergency egress lighting had exceeded its expected useful life.	$	5,833
13N2 | BRG-1	Facility staff reported that a small portion of damaged section of ceiling was never replaced after roof repairs were completed.	$	500
TOTAL			**$23,541.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Kalkaska Garage

Assessor: AECOM Inspection Date: 8/30/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	0	0	0	4	3	0
GAR	1	4	3	4	3	3	3	3	3	3	3	4	4	4	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	4	0	3	4	3	3	3	0	0	3	3	0
SSB	2	3	3	3	0	3	3	3	3	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1N08 | CSB-1	The interior and exterior lighting was approaching the end of its expected useful life.	$ 23,975
1N08 | GAR-1	Three columns in the wash bay had excessive corrosion on the baseplates, flanges, webs and anchor bolts at the base of the columns.	$ 15,000

1N08 | GAR-1	The service sinks were approaching the end of their expected useful life.	$ 10,895
1N08 | GAR-1	The kitchen sink was approaching the end of its expected useful life.	$ 1,979
1N08 | GAR-1	The single occupant restroom plumbing fixtures were approaching the end of their expected useful life.	$ 3,436
1N08 | GAR-1	The emergency eyewash-showers were approaching the end of their expected useful life.	$ 6,048
1N08 | GAR-1	The multi-occupant restroom plumbing fixtures were approaching the end of their expected useful life.	$ 18,812
1N08 | GAR-1	With the exception of the panelboards associated with the backup generator, all electrical distribution equipment had exceeded or was approaching the end of its expected useful life.	$ 47,140
1N08 | GAR-1	The VCT had exceeded its expected useful life and had excessive surface wear.	$ 21,633
1N08 | GAR-1	The carpet tile had exceeded its expected useful life and had moderate wear and staining.	$ 13,492
1N08 | GAR-1	The epoxy paint had excessive wear in high traffic areas.	$ 20,079
1N08 | GAR-1	The three water heaters had exceeded their expected useful life.	$ 66,615
1N08 | GAR-1	The 1999 fluorescent and incandescent lighting had exceeded or was approaching the end of its expected useful life.	$ 106,187
1N08 | GAR-1	The emergency egress lighting had exceeded its expected useful life.	$ 5,966
1N08 | GAR-1	The exit lighting had exceeded its expected useful life.	$ 2,503
1N08 | SSB-1	The formed metal panel roof covering had exceeded its expected useful life.	$ 72,410
1N08 | SSB-1	The hollow metal door had exceeded its expected useful life and had rust corrosion.	$ 5,239
1N08 | SSB-1	Moderate amounts of damage to the insulation was observed.	$ 25,718
1N08 | SSB-2	On the south side of the building, there was moisture damage from roof water runoff splashing along the bottom of the brine tank enclosure wood panel wall.	$ 5,845
1N08 | SSB-2	The fascia boards above the open storage were cracked and broken off.	$ 2,327

1N08 | SSB-2	Facility staff reported that during the construction of the addition, the wiring was damaged due to pulling too many wires through the existing conduit causing shorts throughout the building.	$	9,397
1N08 | SSB-2	The sliding door of the brine tank enclosure had moisture damage from water run-off from the roof.	$	1,949
TOTAL			**$486,645.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Mackinac City Welcome Center

Assessor: AECOM Inspection Date: 8/30/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
FSB	2	3	3	0	0	3	3	0	3	0	0	0	3	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	3	0	3	3	0	3	0	0	0	3	0	0
SHB	3	2	2	0	0	2	2	0	2	0	0	0	0	0	0
WCT	1	3	3	3	3	3	3	0	3	3	0	3	3	4	0

Location/Building Code	Deficiency	Estimated Cost
2N17 | SHB-2	The foil faced rigid insulation had excessive surface damage.	$ 2,500
2N17 | SHB-2	The interior lighting had exceeded its expected useful life.	$ 1,000
2N17 | SHB-2	Two doors were excessively deteriorated.	$ 2,799
2N17 | WCT-1	Facility staff reported constant issues with heat during the winter due to overheating/overloading especially when exhaust fans in restrooms are concurrently in use.	$ 5,000
2N17 | WCT-1	The panelboards had exceeded their expected useful life.	$ 13,469

2N17 | WCT-1	The asphalt roadways and parking lots had moderate amounts of linear and alligator cracking throughout.	$ 54,013
2N17 | WCT-1	The original VCT was aged and heavily worn.	$ 8,937
TOTAL		**$87,718.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: North Region Office / Gaylord TSC

Assessor: AECOM Inspection Date: 8/31/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	0	0	3	3	3	3	0	0	0	3	3	0
REG	1	3	3	3	3	3	3	0	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1N00 | REG-1	Loose shingles were observed above the main entrance roof ridge.	$ 1,311
TOTAL		$1,311.00

2022/2023 FACILITY ASSESSMENT

MDOT Site: Manistee Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 9/20/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	4	3	4	3	3	0	4	4	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
17N2 | BRG-1	There was cracking, spalling, and efflorescence observed on the exterior concrete walls.	$ 75,000
17N2 | BRG-1	The package terminal air conditioning (PTAC) unit had exceeded its expected useful life and was likely charged with R-22 refrigerant, which is no longer manufactured or available by import in the United States.	$ 16,346
17N2 | BRG-1	The metal windows had corroded frames, deteriorated sealant, and had exceeded their expected useful life.	$ 36,445
17N2 | BRG-1	The VCT flooring was cracked and worn.	$ 4,331
17N2 | BRG-1	The hollow metal doors, frames, and thresholds had moderate rust corrosion.	$ 15,720
17N2 | BRG-1	The metal acoustic ceiling grid components were dirty and corroded, and minor water damage was observed on a ceiling tile.	$ 3,553
TOTAL		**$151,395.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Hillman Testing Lab

Assessor: AECOM Inspection Date: 9/21/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	3	0	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	3	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
TST	1	3	3	3	3	3	3	3	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
17N2 | BRG-1	There was cracking, spalling, and efflorescence observed on the exterior concrete walls.	$ 75,000
17N2 | BRG-1	The package terminal air conditioning (PTAC) unit had exceeded its expected useful life and was likely charged with R-22 refrigerant, which is no longer manufactured or available by import in the United States.	$ 16,346
17N2 | BRG-1	The metal windows had corroded frames, deteriorated sealant, and had exceeded their expected useful life.	$ 36,445
17N2 | BRG-1	The VCT flooring was cracked and worn.	$ 4,331
17N2 | BRG-1	The hollow metal doors, frames, and thresholds had moderate rust corrosion.	$ 15,720

17N2 | BRG-1	The metal acoustic ceiling grid components were dirty and corroded, and minor water damage was observed on a ceiling tile.	$ 3,553
TOTAL		**$151,395.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Mio Garage

Assessor: AECOM Inspection Date: 9/21/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	3	3	3	3	3	3	3	4	3	3	3	3	0
SSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1N09 | GAR-1	There was water staining on the south wall of the repair shop and efflorescence and peeling paint on the interior side.	$ 3,776
1N09 | GAR-1	There was excessive efflorescence and peeling paint on the south wall of the repair shop.	$ 7,274
1N09 | GAR-1	The 5-ton air cooled condensing unit was charged with R-22 refrigerant, which is no longer manufactured in or available via import to the United States.	$ 14,140
1N09 | GAR-1	The asphalt pavement had linear cracking throughout.	$ 47,947
1N09 | GAR-1	There was moisture damaged gypsum board ceiling in the parts room.	$ 303
TOTAL		**$73,440.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Atlanta Garage

Assessor: AECOM Inspection Date: 9/22/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
CSB	1	3	3	3	0	3	3	3	0	0	0	0	0	0	0
CSB	2	3	3	3	0	3	3	3	3	0	0	0	3	3	0
GAR	1	3	3	4	3	3	3	3	3	4	3	4	4	3	0
HSB	1	3	3	3	3	3	3	3	3	3	0	0	4	3	0
HSB	2	3	3	3	0	3	3	3	3	3	0	3	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0
WSH	1	3	3	3	0	3	3	3	3	4	3	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1N10 | HSB-2	Facility staff reported the exterior perimeter lighting fixtures were aged and did not provide sufficient illumination.	$ 7,076

1N10 | HSB-1	Facility staff reported the exterior perimeter lighting fixtures were aged and did not provide sufficient illumination. The HID lighting under the lean-to structure had exceeded its expected useful life.	$ 14,152
1N10 | HSB-1	The high-bay HID lighting in the building had exceeded its expected useful life.	$ 29,978
1N10 | HSB-1	It was noted that the electric opener for the west overhead sectional door made excessive noise during operation. Facility staff reported that remote control operation of the west door is needed so drivers do not have to exit their vehicle during inclement weather.	$ 4,000
1N10 | GAR-1	There was efflorescence on the interior side of a portion of the CMU wall in the original garage building and peeling paint throughout.	$ 34,326
1N10 | GAR-1	The 8.5-ton package unit was charged with R-22 refrigerant, which is no longer manufactured in or available via import to the United States and was at the end of its expected useful life.	$ 52,570
1N10 | GAR-1	Facility staff reported that the single occupancy restroom had exhaust venting into the mechanical/electrical room.	$ 5,000
1N10 | GAR-1	The 1-ton condenser on the rooftop was charged with R-22 refrigerant and is beyond its expected useful life.	$ 6,954
1N10 | GAR-1	There was minor linear and moderate alligator cracking throughout the asphalt paving and the striping was deteriorated.	$ 341,769
1N10 | GAR-1	The fencing was observed with bent posts and rails and rusted barbed wire.	$ 179,399
1N10 | GAR-1	The domestic water heaters had exceeded their expected useful life.	$ 16,851
1N10 | GAR-1	Facility staff reported the exterior perimeter lighting fixtures were aged and did not provide sufficient illumination.	$ 10,614
1N10 | GAR-1	The sectional overhead door that was installed in 1994 had exceeded its expected useful life.	$ 5,270
1N10 | GAR-1	The illuminated exit signage had exceeded its expected useful life.	$ 5,005
1N10 | SHB-2	Because the building does not have an appropriate foundation, the bottom edge of the siding and the floor structure were deteriorated.	$ 2,000
1N10 | SHB-2	The bottom edge of the siding and sections of trim were deteriorated.	$ 2,121
1N10 | SHB-2	The horizontal wood trim in the middle of the door slab was deteriorated.	$ 750
1N10 | WSH-1	It was not known if the remaining gas-fired unit heater located at the east wall of the wash bay was still operating; however, there were signs of minor corrosion from its location in a high moisture environment.	$ 10,397
TOTAL		**$728,232.00**

PASSENGER TRANSPORTATION REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: New Center Rail Terminal

Assessor: AECOM Inspection Date: 6/6/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
PTF	1	3	3	4	3	3	3	4	3	3	0	3	4	4	3

Location/Building Code	Deficiency	Estimated Cost
PT01-PTF1	Northeast corner stucco, exterior wall is damaged, cracked, and spawling. Repair the wall.	$833
PT01-PTF1	Northwest gravel wall is damaged. Repair the gravel wall.	$100
PT01-PTF1	The metal panel soffit is warped and sagging. Repair the soffit.	$2,032
PT01-PTF1	Exterior windows, several windows are constantly fogged and failing. Replace the windows at the elevator tower that are fogged.	$8,361
PT01-PTF1	Exterior door is rusted and corroded through in some areas. Replace the door and frame.	$2,620
PT01-PTF1	Exterior sectional doors are in poor condition, springs are broken, doors do not seal well – allowing water to infiltrate the facility. Replace the sectional doors.	$11,617
PT01-PTF1	The restroom toilet partitions have corroded and are rusted. Replace the partitions.	$16,632
PT01-PTF1	The two electrical distribution panels have exceeded their life expectancy and should be replaced. Replace two panels.	$23,242

PT01-PTF1	The interior lighting is incandescent and original to the facility, past useful life. Replace interior lighting.	$38,126
PT01-PTF1	The exterior lighting fixtures are original to the facility and have exceeded their useful life. Replace exterior lighting.	$14,152
PT01-PTF1	The asphalt paving has moderate cracking and areas of failure. Repave.	$30,963
PT01-PTF1	The handrail at the access ramp and a portion of fence was damaged with an impact incident. Repair rail and fence.	$3,000
TOTAL		**$88,679**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Detroit Bus Terminal

Assessor: AECOM Inspection Date: 6/6/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
PTF	1	3	4	3	3	3	4	3	3	4	0	3	4	4	3

Location/Building Code	Deficiency	Estimated Cost
T275-PTF1	The bus canopy panels are stained but may be corroded. Clean the panels to determine if extensive damage requires additional work.	$13,160
T275-PTF1	The precast roof screen tiles are missing in several areas. Replace and repair the tiles.	$500
T275-PTF1	The expansion joints on the exterior walls are cracked and deteriorated. Replace the expansion joints on the exterior walls.	$64,660
T275-PTF1	Exterior ceiling panel, the gypsum shows significant signs of water damage. Repair the ceiling panel.	$500
T275-PTF1	The granite exterior wall panels were damaged by impact and at set points in other areas. Replace the granite wall panels.	$45,218
T275-PTF1	The silicone roof coating is deteriorated and peeling in many areas. The foam system is revealed in many areas. Replace the roof coating and repair according to manufacturer specifications.	$110,811

T275-PTF1	The single occupant restroom is in poor condition and past useful life. Replace/renovate the single occupant restroom.	$3,436
T275-PTF1	The mop sink near the shipping area is in poor condition and beyond useful life. Replace the mop sink.	$850
T275-PTF1	The sink and countertops in the break room near shipping area is in poor condition and original to the facility. Replace the sink and countertops in the employee break room.	$3,705
T275-PTF1	One of the boilers is beyond useful life and is corroded. Replace boiler.	$34,656
T275-PTF1	The rooftop units are beyond life expectancy and continually break with ongoing repairs, are original to the facility. Replace the roof top units.	$204,465
T275-PTF1	The fan coil units in the shipping area are beyond useful life. Replace fan coil units.	$11,295
T275-PTF1	The rooftop exhaust fans are beyond useful life. Replace exhaust fans.	$22,000
T275-PTF1	The transformer is reaching the end of its useful life. Replace the transformer.	$11,950
T275-PTF1	The main electrical switchboard is reaching the end of its useful life. Replace the switchboard.	$71,580
T275-PTF1	The electrical distribution panelboards is reaching end of useful life. Replace distribution panelboards.	$60,027
T275-PTF1	Many of the LED light fixtures were missing or inoperable at time of visit. Repair or replace the light fixtures.	$1,000
T275-PTF1	The emergency egress lighting is beyond useful life. Replace lighting.	$7,778
T275-PTF1	Significant color drift and lighting inconsistency is present in the shipping area. Lights are beyond useful life. Replace lighting in interior shipping area.	$27,719
T275-PF1	Exterior wall mounted lights and exterior lights are beyond useful life and do not provide sufficient light. Replace exterior lighting.	$7,076

T275-PTF1	Exterior conduit is hanging at the southwest elevation of the facility. Repair the exterior conduit.	$2,500
T275-PTF1	The security panel and system are inoperable. Replace the security system.	$15,239
T275-PTF1	Areas of broken concrete in the parking areas and broken curbs. Repair/replace concrete.	$7,500
T275-PTF1	There is failed concrete around a catch basin. Repair the catch basin concrete.	$1,000
TOTAL		**$728,625**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Pontiac Bus/Rail Terminal

Assessor: AECOM Inspection Date: 12/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
2	2	2	2	2	2	2

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
PTF	1	2	2	2	2	2	2	0	2	2	0	2	2	2	2

Location/Building Code	**Deficiency**	**Estimated Cost**
T276-PTF1		0
TOTAL		**$0**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Southfield Bus Terminal

Assessor: AECOM Inspection Date: 12/8/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
PTF	1	3	3	3	3	3	3	0	4	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
T277-PTF1	The hollow metal exterior doors had corrosion and rust through. Replace hollow metal exterior doors.	$17,876
T277-PTF1	The original 1950 wood interior doors have exceeded their useful life. Replace wood doors with metal doors.	$4,862
T277-PTF1	Concrete is heaving in front of building. Repair/replace concrete.	$1,504
TOTAL		**$24,242**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Benton Harbor Bus Terminal

Assessor: AECOM Inspection Date: 10/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
PTF	1	3	3	3	3	3	3	0	3	3	0	3	4	3	3

Location/Building Code	**Deficiency**	**Estimated Cost**
T278-PTF1	Interior candescent lighting creates significant color drift and is past useful life. Replace interior lighting.	$11,403
TOTAL		**$500.00**

SOUTHWEST REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Coldwater Training Center

Assessor: AECOM Inspection Date: 10/5/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
SSB	1	3	3	3	0	3	3	4	0	3	0	0	3	3	0
TRG	1	3	3	3	4	3	3	3	3	4	3	4	4	4	0

Location/Building Code	Deficiency	Estimated Cost
1S10 | CSB-1	The unit heaters appeared to have exceeded their useful service life.	$ 7,226
1S10 | CSB-1	The exit signage was not illuminated and no emergency lights were observed during the site assessment.	$ 3,355
1S10 | SSB-1	The exhaust fan appeared to have exceeded its useful service life.	$ 1,486
1S10 | SSB-1	There was damage to the sliding doors.	$ 10,428
1S10 | TRG-1	The single occupant restroom plumbing fixtures had exceeded its expected useful life.	$ 3,436
1S10 | TRG-1	The service sink had exceeded its expected useful life.	$ 2,724
1S10 | TRG-1	The kitchen sink had exceeded its expected useful life.	$ 1,979
1S10 | TRG-1	The multi-occupant restroom had exceeded its expected useful life.	$ 7,999

1S10 | TRG-1	The drinking fountain had exceeded its expected useful life.	$	2,510
1S10 | TRG-1	The vehicle exhaust fans had exceeded their expected useful life.	$	21,392
1S10 | TRG-1	The garage wall exhaust fans had exceeded their expected useful life.	$	2,972
1S10 | TRG-1	The unit heaters had exceeded their expected useful life.	$	28,903
1S10 | TRG-1	The electrical distribution panels had exceeded their expected useful life.	$	25,108
1S10 | TRG-1	The perimeter fence was corroded, leaning, and had vegetation growth, and the front gates were in a state of disrepair.	$	471,209
1S10 | TRG-1	Facility staff reported that garage windows have been replaced with exception to single pane windows. There was also a cracked window on the east elevation.	$	18,812
1S10 | TRG-1	The water heater in the mechanical room had exceeded its expected useful life.	$	2,190
1S10 | TRG-1	The interior lighting had exceeded its expected useful life.	$	29,050
1S10 | TRG-1	The exterior lighting had exceeded its expected useful life.	$	5,307
1S10 | TRG-1	The personnel doors at the administrative area were aged.	$	7,860
1S10 | TRG-1	The cabinets and countertops were deteriorated and worn.	$	6,546
1S10 | TRG-1	The restroom toilet partition in the men's locker room was deteriorated and worn.	$	1,034
TOTAL			**$661,526.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: New Buffalo Welcome Center

Assessor: AECOM Inspection Date: 10/6/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	4	3	3	3	0	4	4	0	4	3	4	4

Location/Building Code	Deficiency	Estimated Cost
1S20 | WCT-1	The fire alarm control panel had exceeded its expected useful life.	$ 25,366
1S20 | WCT-1	There were cracks in the concrete pedestrian pavement at the northeast elevation.	$ 2,379
1S20 | WCT-1	There were sections of wood fencing in need of repair.	$ 6,716
1S20 | WCT-1	The truck side concrete parking lot was in poor condition. The truck parking had displaced concrete and poor repairs.	$ 639,115
1S20 | WCT-1	The playground, equipment was aged, damaged and broken. The play area surface rubberized material was deteriorated from heavy use.	$ 358,000

1S20 | WCT-1	Facility staff reported that the glazed doors to access the information lobby were in poor condition and difficult to lock.	$ 42,268
1S20 | WCT-1	The water heater had exceeded its expected useful life.	$ 19,987
1S20 | WCT-1	Facility staff reported that the glazed doors at the entrances were in poor condition and difficult to lock.	$ 61,789
TOTAL		**$1,155,620.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Bicentennial Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 10/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	4	3	3	3	0	3	4	0	3	3	3	0
GEN	1	3	3	3	0	3	3	0	3	3	0	0	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
10S4 | BRG-1	The electric cabinet heaters are inadequate and non-operational.	$ 15,786
10S4 | BRG-1	Facility staff reported the split system does not work properly during summers.	$ 6,229
10S4 | BRG-1	VCT in Control Room and base of stairs was worn and deteriorated. Facility staff reported that original flooring tile may be asbestos material.	$ 8,212
10S4 | BRG-1	Observed signs of corrosion around the transom frame of the steel door at the building entrance.	$ 500
10S4 | BRG-1	The electrical room door was difficult to operate, and corroded from water intrusion.	$ 2,620

10S4 | BRG-1	The ACT in the Control Room has a corroded grid and panels were sagging from humidity.	$ 2,369
10S4 | BRG-1	There were signs of water accumulation near the door that leads under the bridge. Facility staff reported that the area becomes inaccessible during rain events and there is no ability to drain the water run-off from area.	$ 1,500
10S4 | SHB-1	The exterior paint was deteriorated, most noticeably on the door trim and frame.	$ 500
TOTAL		**$37,716.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Blossomland Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 10/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	0	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	4	3	3	0	3	4	0	3	3	3	0
GEN	1	3	3	3	0	3	3	0	3	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
18S9 | BRG-1	Observed roof leak at electrical conduit penetration. Facility staff reported that leak has been present for years, however it is a slow leak.	$ 2,500
18S9 | BRG-1	Observed water damage from leaks in the control room and stairway.	$ 500
18S9 | BRG-1	The boiler was non operational at the time of the assessment. The heating radiators and piping for heating hot water supply were corroded.	$ 73,720
18S9 | BRG-1	Facility staff reported that the interior of the building had water damage from water intrusion into the windows. Additionally, the windows were aged and due for replacement.	$ 40,216
18S9 | BRG-1	The carpet in the Control Room was aged and worn.	$ 2,063

18S9 | BRG-1	The emergency exit signs and lights were damaged.	$	1,252
18S9 | BRG-1	The exterior steel door was corroded and the door hinge was severely corroded and broken.	$	3,930
18S9 | BRG-1	The ceiling paint was deteriorated from water damage. Facility staff reported that water intrusion is suspected from the bottom of the exterior door or sidewalk located directly above.	$	2,500
TOTAL			**$126,681.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Coloma Garage

Assessor: AECOM Inspection Date: 10/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	3	3	3	3	3	3	3	3	3	3	4	0
HSB	1	3	3	3	3	3	3	3	3	3	0	0	3	3	0
LTB	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	4	3	0	3	3	3	0	0	0	0	3	3	0
SSB	2	3	4	0	0	3	4	0	0	3	0	0	3	3	0
SSB	3	3	4	3	0	3	3	3	0	3	0	0	3	3	0
WSH	1	2	2	2	0	2	2	2	2	2	2	0	2	2	0

Location/Building Code	**Deficiency**	**Estimated Cost**

1S11 – GAR1	The exterior CMU wall joints show significant deterioration and signs of efflorescence. Repair wall joints and exterior walls. Tuckpoint/paint.	$47,243
1S11 – GAR1	The interior VCT flooring appears to be original to the facility. It is significantly scuffed, stained, and chipped. Replace VCT flooring.	$4,342
1S11 – GAR1	The main water heater is beyond useful life. Replace water heater.	$2,190
1S11 – GAR1	The majority of the electrical panel boards are beyond useful life. Replace panel boards.	$30,014
1S11 - SSB1	The timber columns are beginning to rot. Perform a structural analysis of the facility.	$2,500
1S11 - SSB1	The exterior timber boards are deteriorated and weathered. Replace timber boards and paint.	$23,592
1S11 – SSB2	There are multiple areas where the roof frame and deck are damaged. Perform a structural analysis of the facility.	$5,000
1S11 – SSB2	There are multiple areas where the concrete is broken and split. Repair concrete.	$27,918
1S11 – SSB2	The roof has exceeded its useful life. Replace roof.	$123,948
1S11 – SSB3	The finish on the exterior plywood is weathered and deteriorated. Refinish the plywood.	$17,046
1S11 – FSB1	The exterior doors have corrosion and rust. Replace the doors.	$5,239
TOTAL		**$289,032**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Jones Garage

Assessor: AECOM Inspection Date: 10/7/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	4	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
CSB	1	3	3	3	0	3	4	3	3	0	0	0	4	3	0
CSB	2	3	4	3	0	3	3	0	3	3	0	0	3	3	0
CSB	3	3	4	3	0	3	3	0	0	3	0	0	3	3	0
GAR	1	3	3	3	3	3	4	3	3	3	0	4	3	4	0
GAR	2	3	3	3	3	3	3	4	3	3	3	4	3	4	0
SSB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Location/Building Code	**Deficiency**	**Estimated Cost**
1S09 – GAR1	The exterior personnel doors are faded and corroded. Plan for replacement of exterior personnel doors.	$7,858
1S09 – GAR1	The roof is leaking and peeling at the northeast corner of the building. Repair and recoat the area of the roof.	$44,382
1S09 – GAR1	The partitions for the toilet and urinal are faded, corroded and rusting. Replace the partitions in the restroom.	$4,495

1S09 – GAR1	The plumbing fixtures are stained and heavily corroded. Replace the plumbing fixtures.	$7,858
1S09 – GAR1	The water heater and storage tank are beyond useful life. Replace water heater and storage tank.	$2,190
1S09 – GAR1	The electrical distribution system is original to the building and past useful life. Replace the electrical distribution system.	$18,298
1S09 – GAR1	The septic lift station is severely corroded. Replace the lift station.	$24,507
1S09 – GAR1	The chain link fence is corroded and broken in areas. Replace the fence.	$79,103
1S09 – GAR2	The exterior personnel doors are corroded and rusting. Replace doors.	$27,805
1S09 – GAR 2	The plumbing fixtures are severely stained and corroded, Replace fixtures and investigate potential water softening system.	$34,770
1S09 – GAR2	The electrical distribution system is original to the building and past useful life. Replace the electrical distribution system.	$36,617
1S09 – GAR2	The coating on the roof is deteriorated. Repair and recoat roof.	$18,402
1S09 – GAR2	The main electrical panelboard is past useful life. Replace the panel board.	$6,735
1S09 – GAR2	The interior and exterior lighting is beyond useful life. Replace lighting.	$13,131
1S09 – CSB2	The exterior surface of the building is weathered. Clean and paint the exterior of the building.	$18,406
1S09 – CSB2	The exhaust fan has exceeded its useful life. Replace the exhaust fan.	$1,486
1S09 – CSB2	The panelboard is severely corroded and past useful life. Replace panel board.	$4,906
1S09 – CSB3	The exterior walls are weathered and deteriorated. Prep and repair, and paint exterior walls.	$20,955
TOTAL		**$371,904**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Coldwater Welcome Center

Assessor: AECOM Inspection Date: 11/1/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	3	3	3	4	0	3	3	0	3	3	3	3

Location/Building Code	**Deficiency**	**Estimated Cost**
1S24 – WCT1	Building settlement has appeared to cause cracking in walls and partitions. Investigate with structural consultant study.	$5,000
1S24 – WCT1	Water intrusion, wood structure staining, and other evidence reflects need for roof replacement.	$652,000
1S24 – WCT1	Cracks in wall and broken tiles in restrooms. Repair cracks, replace tiles.	$1,452
1S24 – WCT1	Areas of the sidewalk show various stages of cracks and split concrete. Repair concrete.	$3,854
TOTAL		**$662,306**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Marshall Garage

Assessor: AECOM Inspection Date 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	3	0	0	0	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	0	0	0	3	3	0
GAR	1	3	3	3	3	3	3	3	3	3	3	3	3	4	0
LTB	1	0	3	0	0	3	0	0	0	0	0	0	0	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	0	0	3	0	0	3	3	0
SSB	2	3	4	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S06 | SSB-1	No exterior lighting was observed along the building perimeter.	$ 9,593
1S06 | SSB-2	The painted surface was weathered. Green algae growth was observed near the foundation of the wooden structure.	$ 16,958
1S06 | SSB-2	The exterior electrical distribution panelboard had signs of corrosion and was at the end of expected useful life.	$ 6,782
1S06 | SSB-2	No exterior lighting was observed along the building perimeter.	$ 4,797
TOTAL		**$38,130.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Marshall TSC

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
TSC	1	3	3	3	3	3	3	3	3	4	0	4	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1S03 – TSC1	Window seals are deteriorated and mold is present from water intrusion. Clean, remediate mold, reseal windows.	$8,891
1S03 – TSC1	The main door does not close properly and is a safety concern. Repair or replace door and frame.	$8,585
1S03 – TSC1	The wallpaper is bubbling and peeling in areas. Replace wall covering.	$3,466
1S03 – TSC1	The water pressure is inadequate to support the facility, toilets can not be flushed at the same time. Investigate and add booster pump if needed.	$22,889
1S03 – TSC1	The heat pump is inadequately sized to support the reception area. Replace heat pump with appropriately sized equipment.	$15,097
1S03 – TSC1	The exterior lighting poles are corroded at the base. Sand, prep and repaint the lighting poles to prevent further corrosion.	$1,000

1S03 – TSC1	The concrete paving had several areas of heaving, broken and cracked surface. Repair concrete or replace areas.	$8,951
1S03 – TSC1	The paving is cracked and significantly deteriorated throughout the site. Replace pavement.	$356,435
TOTAL		**$425,314**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Southwest Region Office

Assessor: AECOM Inspection Date: 11/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	4	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
REG	1	3	3	4	3	3	3	3	3	3	0	3	3	4	3

Location/Building Code	Deficiency	Estimated Cost
1S01 – REG1	Interior flooring and carpeting is worn, stained, faded and past useful life. Replace carpet.	$194,627
1S01 – REG1	The ceilings throughout are drooping, stained, broken. Replace interior ceiling finishes.	$262,171
1S01 – REG1	The back up generator is not functional and is beyond repair. Replace the back up generator.	$197,320
1S01 – REG1	There are several areas of cracked and broken concrete on the pedestrian sidewalk. Repair and replace concrete.	$17,681
1S01 – REG1		
TOTAL		**$671,799**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Kalamazoo Garage

Assessor: AECOM

Inspection Date: 11/28/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	0	0	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
CSB	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0
CSB	2	4	4	0	0	3	4	0	0	3	0	0	3	3	0
CSB	3	3	3	0	0	3	3	0	0	0	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	4	4	3	4	3	4	3	3	3	3	4	3	4	3
HSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
LTB	1	0	0	0	0	3	0	0	3	0	0	0	0	0	0
LTB	2	0	3	0	0	3	0	0	0	0	0	0	0	0	0
LTB	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0
SSB	1	3	4	3	0	3	3	0	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
2U02 | CSB-2	The electrical panel showed signs of corrosion and had exceeded its expected useful life.	$ 6,782
2U02 | CSB-2	Illuminated exit signs or emergency lighting were not observed inside the building during the site assessment.	$ 2,987
2U02 | CSB-1	Cracks and holes were observed in the wooden structure.	$ 2,500
2U02 | CSB-1	The exterior timber board walls were deteriorated and the painted surface was weathered.	$ 13,884
2U02 | CSB-1	Significant roof leaks and areas of damage to roof deck were observed during the site assessment.	$ 53,591
2U02 | CSB-1	Significant damage and cracks were observed during the site assessment. The interior paint had deteriorated.	$ 9,256
2U02 | HSB-1	The spray insulation was deteriorated. The insulation was peeling off of the walls in some areas.	$ 16,308
2U02 | HSB-1	The axial exhaust fan was observed to be non-operational and had exceeded its expected useful life.	$ 2,750
2U02 | HSB-1	The unit heaters have exceeded their expected useful life.	$ 17,836
2U02 | HSB-1	The interior electrical panel had exceeded its expected useful life.	$ 6,782
TOTAL		**$380,024.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Southwest Region Maintenance Crews

Assessor: AECOM Inspection Date: 11/28/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	0	3	0	0	4	3	0
CSB	2	3	4	3	3	3	3	3	3	3	0	0	4	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	3	4	3	3	3	3	4	0	4	3	3	4
HSB	1	3	3	3	0	3	3	3	3	3	0	3	3	3	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S07 | CSB-2 (Salt Storage -Dome)	Excessive cracking and holes were observed throughout the concrete dome and facility staff reported that they have concern about the structural integrity of the dome.	$ 25,000
1S07 | CSB-2 (Salt Storage -Dome)	The exterior painted surface was weathered and rust stains from ferrous material in the concrete was observed. Holes and cracks were observed on the interior side of the walls.	$ 18,572
1S07 | CSB-2 (Salt Storage -Dome)	Holes and cracks were observed on the interior of the roof cover.	$ 145,335

1S07 | CSB-2 (Salt Storage -Dome)	The axial exhaust fan was not operational at the time of the assessment and had exceeded its expected useful life.	$ 8,250
1S07 | CSB-2 (Salt Storage -Dome)	The electrical panel showed signs of corrosion and had exceeded its expected useful life.	$ 6,782
1S07 | CSB-2 (Salt Storage -Dome)	Facility staff reported that the interior and exterior lighting was inadequate.	$ 4,399
1S07 | SSB-1	Significant corrosion was observed on the roof fabric tie-down anchors which appeared to corrode and stain the concrete. There was also significant corrosion on the interior side of the exterior wall. Facility staff reported that the interior side of the walls were too short to hold salt materials.	$ 24,047
1S07 | SSB-1	Facility staff reported that the interior side of the walls were too short to hold salt materials.	$ 117,783
1S07 | SSB-1	Significant corrosion was observed along the exterior of the building where the fabric was strapped to the concrete. The tie-down straps appeared to be corroded and staining the concrete.	$ 8,723
1S07 | SSB-1	The disconnect switches for the exhaust fans were mounted on the exterior pavement next to the concrete walls.	$ 4,807
1S07 | CSB-2 (Salt Storage -Dome)	Excessive cracking and holes were observed throughout the concrete dome and facility staff reported that they have concern about the structural integrity of the dome.	$ 25,000
1S07 | CSB-2 (Salt Storage -Dome)	The exterior painted surface was weathered and rust stains from ferrous material in the concrete was observed. Holes and cracks were observed on the interior side of the walls.	$ 18,572
1S07 | CSB-2 (Salt Storage -Dome)	Holes and cracks were observed on the interior of the roof cover.	$ 145,335
1S07 | CSB-2 (Salt Storage -Dome)	The axial exhaust fan was not operational at the time of the assessment and had exceeded its expected useful life.	$ 8,250
1S07 | CSB-2 (Salt Storage -Dome)	The electrical panel showed signs of corrosion and had exceeded its expected useful life.	$ 6,782
TOTAL		**$567,637.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Niles Garage

Assessor: AECOM Inspection Date: 5/2/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	4	3	3	3	3	3	3	3	3	3	3	3	3	0
HSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	4	3	0	3	4	3	0	3	0	0	4	3	0
SSB	2	3	3	0	0	3	3	0	0	0	0	0	3	3	0
SSB	3	3	3	3	0	3	3	0	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S13 – GAR1	Concrete shows significant surface pitting in the garage. Repair and resurface and seal concrete.	$25,625
1S13 – GAR1	The roof is leaking above the breakroom area. Vegetation was growing in the gutter and the downspout had no splash guard. Repair the roof leak, clean the gutter and add a splash guard.	$2,571
1S13 – GAR1	The chain link fence is corroded and broken in areas around the perimeter. It is beyond repair. Replace chain link fence.	$63,283

1S13 – SSB1	The exterior timbers were weathered and deteriorated. Replace timbers and prep and repaint exterior.	$23,626
1S13 – SSB1	The coating on the roof deck was deteriorated and peeling, areas of light were visible through the roof deck. Repair and reseal the roof deck.	$17,584
1S13 – SSB1	The exhaust fan has exceeded its useful life. Replace exhaust fan.	$1,486
1S13 – SSB1	The electrical distribution is original to the building and has exceeded its useful life. Replace the electrical distribution panel.	$5,639
1S13 – SSB1	The lighting is original to the facility and beyond useful life. Replace lighting.	$15,529
1S13 – SSB2	The electrical panel board was severely corroded. Replace the panel board.	$4,906
1S13 – HSB1	There were areas of roof leaks. Repair roof and flashing around heaters.	$991
1S13 – HSB1	The panel board is corroded and beyond useful life. Replace the panel board.	$4,906
1S13 – SHB2	There is a section of missing shingles and daylight visible through the roof. Repair roof and replace shingles.	$2,364
TOTAL		**$168,510**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Coloma Business Office

Assessor: AECOM Inspection Date: 5/3/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	4	3	3	3	0	3	3	0	3	3	3	3
TST	1	3	3	3	3	3	3	3	3	3	0	0	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	3	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1S04 | TST-1	The T12 fixtures had exceeded typical useful life as T12 lamps are no longer being manufactured.	$ 6,930
1S04 | TST-1	The exterior personnel door had faded paint and surface corrosion on the door and frame.	$ 2,620
1S04 | TSC-1	The carpet had excessive wear, particularly in high traffic areas, and there was minor damage near carpet tile seams.	$ 72,869
1S04 | TSC-1	The metal door at the utility room had widespread corrosion on the and exterior side of the door and frame with areas of corrosion on	$ 3,839

	the interior side of the frame. The metal door at the southeast corner had faded paint.	
TOTAL		**$86,258.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Sawyer Garage

Assessor: AECOM Inspection Date: 5/3/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	4	0	0	3	4	3	3	0	0	0	3	3	0
CSB	2	3	4	3	0	3	3	3	0	3	0	0	3	3	0
CSB	3	3	3	3	0	3	3	3	3	3	0	0	3	3	0
GAR	1	3	3	4	4	3	3	3	3	3	3	3	3	4	0
SSB	1	3	3	0	0	3	4	3	0	3	0	0	3	3	0
SSB	2	3	4	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S14 – GAR1	The windows in the main bay area have moisture trapped inside. Replace windows.	$25,083
1S14 – GAR1	Roof leaks are present at the north end of the building. Repair roof or roof seals.	$1,781
1S14 – GAR1	The VCT flooring in the north addition is worn, scratched, stained. Replace the flooring in the north addition.	$36,643
1S14 – GAR1	The electrical distribution panel shows signs of damage, corrosion. Replace panel.	$29,883

1S14 – GAR1	The asphalt driveway had significant cracking and areas of missing pavement. Repave.	$19,088
1S14 – SSB1	The exterior paint on the concrete dome is deteriorated, there are some areas of damaged concrete. Repair concrete, prep and paint dome.	$35,023
1S14 – SSB1	The electrical panelboard is severely corroded. Replace panel board.	$4,906
1S14 – SSB2	The plywood is weathered and deteriorated in some places. Prep and repaint the plywood.	$28,410
1S14 – SSB2	There is evidence of water infiltration on the panel board dead cover. Replace	$2,702
1S14 – CSB1	The paint on the exterior metal panels and wood siding is peeling and weathered. Prep and paint the exterior walls.	$20,455
1S14 – CSB1	The coating on the roof is peeling and deteriorated. Prep and recoat the roof.	$21,265
1S14 – CSB1	Existing conduit is severely corroded. Areas of wire have been removed. There is no power to the building. Repair and restore electrical.	$4,625
1S14 – CSB2	The exterior timber boards are deteriorated and weathered. Prep, replace boards, and paint.	$35,449
TOTAL		**$265,313**

2022/2023 FACILITY ASSESSMENT

MDOT Site: South Haven Garage

Assessor: AECOM Inspection Date: 5/3/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CMA	1	2	2	0	0	2	2	0	2	0	0	0	2	0	0
CSB	1	3	4	3	0	3	3	3	0	0	0	0	3	3	0
CSB	2	3	3	3	0	3	3	3	3	0	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	4	3	3	3	3	3	3	0	3	3	3	0
GAR	2	3	3	0	0	3	3	3	3	3	0	0	3	3	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0
SSB	2	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S12 – GAR1	CMU joints are deteriorated and paint is peeling and weathered. Tuck point and paint exterior of building.	$47,243
1S12 – GAR1	The VCT flooring in the office and support area is excessively worn, stained and deteriorated. Replace flooring.	$30,532
1S12 – GAR1	The sealant around the French drain is corroded and causing the concrete to erode. Repair the concrete around the drain and reseal the area.	$1,789

1S12 – CSB1	The exterior timber boards are weathered, deteriorated. Repair and replace boards and prep and paint exterior.	$18,012
TOTAL		**$97,576**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Kalamazoo TSC

Assessor: AECOM Inspection Date: 5/4/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	0	0	3	3	3	3	0	0	0	3	0	0
CSB	2	3	3	0	0	3	3	3	3	0	0	0	3	3	0
TSC	1	3	3	3	3	3	4	0	3	4	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1S02 | CSB-2	The roof covering was nearing the end of expected useful life; however, there were no observable leaks or known issues.	$ 7,575
1S02 | CSB-1	The roof covering was nearing the end of expected useful life; however, there were no observable leaks or known issues.	$ 3,443
TOTAL		**$11,018.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Paw Paw Garage

Assessor: AECOM Inspection Date: 5/4/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	4	3	3	3	0	0	3	3	0
GAR	1	4	4	3	3	3	4	3	3	4	3	3	3	4	3
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1S02 | CSB-2	The roof covering was nearing the end of expected useful life; however, there were no observable leaks or known issues.	$ 7,575
1S02 | CSB-1	The roof covering was nearing the end of expected useful life; however, there were no observable leaks or known issues.	$ 3,443
1S08 | CSB-1	The coating on the metal roof was deteriorated.	$ 18,402
1S08 | CSB-1	The panelboard was moderately corroded.	$ 8,611
1S08 | GAR-1	There was corrosion at base of the steel columns in the original garage.	$ 31,436
1S08 | GAR-1	The brick chimney was damaged and not used.	$ 8,000

1S08 | GAR-1	The CMU joints had widespread deterioration with signs of efflorescence on the interior of the walls and there were areas of vegetative growth along the wall.	$ 470,448
1S08 | GAR-1	The coating on the metal roofing was deteriorated or missing throughout.	$ 112,456
1S08 | GAR-1	Three condensing units utilized R-22 refrigerant which is no longer manufactured.	$ 24,519
1S08 | GAR-1	The distribution panelboards were all missing several blank circuit covers and had exceeded their typical useful life.	$ 33,671
1S08 | GAR-1	The chain link fence was corroded and broken throughout the perimeter.	$ 79,103
1S08 | GAR-1	Two of the windows in the parts area had frequent leaks.	$ 4,181
1S08 | SSB-1	On the interior side of the west wall there was exposed rebar in a section that appeared to have previous repairs.	$ 2,761
1S08 | SHB-2	The walls, roof, and doors had excessive damage throughout.	$ 8,000
1S08 | SHB-1	The walls, roof, and doors had excessive damage throughout.	$ 8,000
TOTAL		**$820,606.00**

SUPERIOR REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Gladstone Sign & Signal Shop

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
SGN	1	3	3	3	3	3	3	3	3	4	0	4	4	3	3
SHB	1	2	2	0	0	2	2	0	2	0	0	0	0	0	0
SMS	1	4	3	4	3	3	3	3	3	3	0	3	4	3	3
TST	1	2	2	2	2	2	2	2	2	2	0	2	2	2	0

Location/Building Code	Deficiency	Estimated Cost
1P06 | SGN-1	The kitchen sinks had exceeded their expected useful life.	$ 3,958
1P06 | SGN-1	The drinking fountains had exceeded their expected useful life.	$ 5,020
1P06 | SGN-1	The emergency eyewash had exceeded its expected useful life.	$ 1,302
1P06 | SGN-1	The service sink had exceeded its expected useful life.	$ 2,724
1P06 | SGN-1	The restroom plumbing fixtures had exceeded their expected useful life.	$ 3,436
1P06 | SGN-1	Facility staff reported that the gravel testing area did not have adequate exhausting.	$ 58,751

1P06 | SGN-1	The interior and exterior lighting fixtures had exceeded their expected useful life.	$ 52,801
TOAL		**$127,992.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Escanaba TSC

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	3	4	3	4	0	3	4	0	3	4	4	4

Location/Building Code	Deficiency	Estimated Cost
1P100 | TSC-1	The roof covering was approaching the end of its expected useful life.	$ 99,599
1P100 | TSC-1	The baseboard heating was approaching the end of its expected useful life.	$ 18,065
1P100 | TSC-1	The air cooled condenser utilized R22 refrigerant and was approaching the end of its expected useful life.	$ 13,416
1P100 | TSC-1	The heating hot water circulation pumps were approaching the end of their expected useful life.	$ 15,187
1P100 | TSC-1	The two heating hot water boilers were approaching the end of their expected useful life.	$ 69,312
1P100 | TSC-1	The fire alarm control panel and devices had exceeded their expected useful life.	$ 38,009

1P100 | TSC-1	The panelboards were approaching the end of their expected useful life.	$ 44,195
1P100 | TSC-1	The asphalt parking lot paving had a degraded surface and degraded striping. There were also cracks with vegetation growth and some that were in need of resealing.	$ 49,174
1P100 | TSC-1	The windows were approaching the end of their expected useful life.	$ 102,421
1P100 | TSC-1	A backflow preventer appeared to have a leak causing corrosion on the duct work below it.	$ 728
1P100 | TSC-1	Facility staff reported a leak in the upstairs section of the sprinkler piping.	$ 10,000
1P100 | TSC-1	The interior and exterior lighting had exceeded their expected useful life.	$ 61,616
TOTAL		**$521,722.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Houghton Garage

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	2	2	2	0	2	2	2	2	2	0	0	2	2	0
GAR	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SHB	1	2	2	0	0	2	2	0	2	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P11 | GAR-1	Impact damage and a tear in the east facing metal panels at the south east corner of the building were observed.	$ 3,586
1P11 | GAR-1	Facility staff reported that the site needed a perimeter fence and gates.	$ 134,615
TOTAL		**$138,201.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Houghton Hancock Lift Bridge (Operation Control Room)

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
0	3	0	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
BRG	1	3	3	3	3	3	3	0	3	3	0	3	3	3	4
GEN	1	3	3	3	3	3	3	0	3	3	0	0	3	4	3
SHB	1	3	3	0	3	3	4	0	3	0	0	0	0	3	0

Location/Building Code	Deficiency	Estimated Cost
27P9 | BRG-1	The roof covering had exceeded its expected useful life and facility staff reported leaks.	$ 2,574
27P9 | BRG-1	Moisture damage was observed on the east wall below a window.	$ 702
27P9 | BRG-1	The 2-Ton condenser unit had exceeded its expected useful life.	$ 8,173
27P9 | BRG-1	The fire alarm control panel was beyond expected useful life.	$ 25,129
27P9 | BRG-1	The doors were approaching the end of their expected useful life.	$ 2,799
27P9 | GEN-1	It was assumed the roof covering was same age as the control building and had exceeded its expected useful life.	$ 3,088

27P9 | GEN-1	The exterior doors had exceeded the end of their expected useful life and had minor rust spots.	$ 2,799
27P9 | GEN-1	The security alarm door contact was broken and the security panel was disconnected.	$ 1,639
27P9 | GEN-1	Facility staff reported that the emergency generator transfer switch needs replaced.	$ 13,740
27P9 | SHB-1	It was assumed the roof covering was same age as the control building and had exceeded its expected useful life.	$ 11,323
27P9 | SHB-1	The interior distribution panel had exceeded its expected useful life.	$ 4,906
27P9 | SHB-1	The exterior windows had exceeded their expected useful life and had missing hardware, deteriorated sealant, and cracked panes.	$ 4,181
27P9 | SHB-1	The hollow metal exterior door had exceeded its expected useful life.	$ 1,400
TOTAL		**$82,453.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Ironwood Welcome Center

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	4	0	3	4	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	3	3	3	3	3	4	4	0	3	4	4	3

Location/Building Code	Deficiency	Estimated Cost
2P22 | WCT-1	The split systems utilized R-22 refrigerant which has been phased out of production in the US and is no longer available by import.	$ 30,771
2P22 | WCT-1	The electric heater in the grounds building had exceeded its expected useful life.	$ 2,631
2P22 | WCT-1	The electrical panels were approaching the end of their expected useful life.	$ 16,545
2P22 | WCT-1	The original pedestrian paving had moderate cracking and uneven surfaces throughout.	$ 23,366
2P22 | WCT-1	Moderate sized cracks and uneven surfaces as well as damaged curbs were observed in the concrete parking lots.	$ 279,613
2P22 | WCT-1	There was no ADA accessible ramp from the truck parking lot. Slopes of existing sidewalks from truck parking lot were too steep.	$ 61,540

2P22 | WCT-1	Facility staff reported that although the parking lot and pedestrian areas were upgraded with LED pole mounted fixtures the lighting in the parking was still inadequate.	$ 27,557
2P22 | WCT-1	Facility staff reported that the lobby interior lighting fixtures over media were aged and did not provide adequate lighting for visitors.	$ 13,860
2P22 | WCT-1	The hollow metal doors had exceeded their expected useful life.	$ 12,595
2P22 | WCT-1	It was noted by building staff that the single camera was not sufficient for the site.	$ 8,704
TOTAL		**$477,182.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Menominee Welcome Center

Assessor: AECOM Inspection Date: 8/15/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	3	3	3	4	0	3	3	0	4	4	4	3

Location/Building Code	Deficiency	Estimated Cost
2P54 | WCT-1	The wood shake roofing appeared to have exceeded its expected useful life and facility staff reported several roof leaks.	$ 78,591
2P54 | WCT-1	The drinking fountain had exceeded its expected useful life.	$ 2,510
2P54 | WCT-1	One of the lavatories valves was missing and all of the multi-occupant restrooms' plumbing fixtures were approaching the end of their expected useful life.	$ 21,652
2P54 | WCT-1	The mop sink was approaching the end of its expected useful life.	$ 850
2P54 | WCT-1	The electric unit heaters were approaching the end of their expected useful life.	$ 3,841
2P54 | WCT-1	The panelboards had exceeded their expected useful life.	$ 13,563
2P54 | WCT-1	The VCT had exceeded its expected useful life and had cracks, chips, and mismatched tiles.	$ 5,211
2P54 | WCT-1	The water heater had exceeded its expected useful life.	$ 3,204

2P54 | WCT-1	The interior lighting was approaching the end of its expected useful life.	$ 20,789
TOTAL		**$150,211.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Covington Storage

Assessor: AECOM Inspection Date: 8/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	0	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	0	0	3	3	3	3	3	0	3	3	3	0
SSB	1	3	3	3	0	3	4	0	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P0001 | CSB-1	The 2007 exterior concrete apron was cracked and had settled approximately one to two inches along the building foundation.	$ 1,055
1P0001 | SSB-1	The 1997 asphalt shingles had exceeded their expected useful life.	$ 62,938
1P0001 | SSB-1	The exterior electrical panelboard near the facility entrance had signs of corrosion and was nearing the end of its expected useful life.	$ 6,782
TOTAL		**$70,775.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Crystal Falls TSC

Assessor: AECOM Inspection Date: 8/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	4	0	0	3	4	0	0	0	0	0	0	0	0
HSB	1	3	3	3	4	3	3	3	3	3	0	3	4	3	0
TSC	1	3	3	3	3	3	3	3	3	4	0	3	3	3	3
TST	1	3	3	4	3	3	3	3	3	3	0	4	4	4	0

Location/Building Code	Deficiency	Estimated Cost
1P02 | CSB-1	The plywood panels were weathered, had moisture damage at their base, and had peeling paint. The translucent corrugated fiberglass panels were deteriorated.	$ 30,076
1P02 | CSB-1	The asphalt shingles had exceeded their expected useful life, were deteriorated and curling, and had rotten and loose fascia boards.	$ 11,775
1P02 | HSB-1	Efflorescence on the east wall was causing peeling paint.	$ 1,352
1P02 | HSB-1	The exterior windows had exceeded their expected useful life and were inoperable.	$ 22,993
1P02 | HSB-1	The interior garage bay, mezzanine and exterior lighting was aged beyond expected useful life.	$ 16,216

1P02 | HSB-1	The hollow metal door had exceeded its expected useful life.	$ 2,620
1P02 | TST-1	The building plumbing fixtures were aged beyond their expected useful life.	$ 10,268
1P02 | TST-1	The furnace in the attic space above the office/storage area was beyond its expected useful life.	$ 5,168
1P02 | TST-1	The main service and electrical distribution system was aged beyond its expected useful life.	$ 61,710
1P02 | TST-1	The concrete floor finishes were beyond their expected useful life.	$ 5,549
1P02 | TST-1	The carpet floor finishes were beyond their expected useful life.	$ 30,067
1P02 | TST-1	The domestic water distribution system was aged beyond its expected useful life.	$ 65,132
1P02 | TST-1	The interior and exterior lighting was beyond its expected useful life.	$ 30,012
1P02 | TSC-1	The four condensing units were nearing the end of their expected useful life.	$ 49,143
1P02 | TSC-1	The older asphalt paving from the heated storage building south to Fire Tower Road was severely cracked and had areas of excessive vegetation growth in cracks.	$ 358,817
1P02 | TSC-1	The gas-fired 30-galon water heater in the mechanical room was beyond its expected useful life.	$ 4,408
TOTAL		**$705,306.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Engadine Garage

Assessor: AECOM Inspection Date: 8/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	4	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	4	3	0
GAR	1	3	4	3	4	3	4	3	3	4	0	3	4	4	0
GAR	2	3	4	4	3	3	4	3	3	4	3	4	3	4	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	0	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P08 | CSB-1	The panelboard was approaching the end of its expected useful life.	$ 4,906
1P08 | CSB-1	The interior and exterior lighting had exceeded its expected useful life.	$ 14,330
1P08 | GAR-1	Minor step cracking and peeling paint was observed.	$ 14,131

1P08 | GAR-1	The coating on the metal roof was deteriorated and peeling. The asphalt shingles had exceeded their expected useful life and had missing shingles and excessive de-granularization.	$ 29,280
1P08 | GAR-1	The single occupant restroom plumbing fixtures had exceeded their expected useful life.	$ 3,436
1P08 | GAR-1	The unit heater had exceeded its expected useful life.	$ 12,810
1P08 | GAR-1	The majority of the electrical distribution equipment was original to building construction in 1959 and had exceeded its expected useful life. Additionally, some of the distribution equipment was manufactured by Federal Pacific whose breakers have been known to fail to trip when overloaded causing a fire hazard.	$ 47,466
1P08 | GAR-1	Facility staff reported the fuel in the site fuel station would periodically freeze in winter. Fuel storage was essential for vehicles due to limited hours at local gas stations.	$ 15,000
1P08 | GAR-1	Facility staff reported that two light pole fixtures were not adequate for the area.	$ 36,742
1P08 | GAR-1	The perimeter chain link fence had bent and damaged posts, loose barbed wire, widespread corrosion and was covered by overgrown trees and vegetation.	$ 88,754
1P08 | GAR-1	Facility staff reported concerns with drinking water quality and reported the well water was no longer filtered.	$ 500
1P08 | GAR-1	The windows had exceeded their expected useful life.	$ 31,354
1P08 | GAR-1	The interior and exterior lighting had exceeded its expected useful life.	$ 17,868
1P08 | GAR-2	There was stairstep cracking of the CMU, particularly at the south and east wall, and cracking of the brick on the south wall.	$ 33,908
1P08 | GAR-2	Facility staff reported leaks from numerous areas of the roof. Ponding and deteriorated seal coat was observed on the roof above the garage bay.	$ 170,354
1P08 | GAR-2	The single occupant and multi-occupant restroom plumbing fixtures had exceeded their expected useful life and the urinals had unreliable flush handles.	$ 66,163
1P08 | GAR-2	The radiant heaters did not reliably heat the garage area.	$ 35,566

1P08 | GAR-2	The ground hoist had not been usable in over five years and the floor grates were welded shut. Facility staff reported that a ground hoist would make their job more efficient and safer.	$	95,705
1P08 | GAR-2	The rooftop unit was nearing the end of its expected useful life and utilized R22 refrigerant, which is no longer manufactured.	$	20,109
1P08 | GAR-2	The exhaust fans on the roof had exceeded their expected useful life.	$	11,000
1P08 | GAR-2	The electrical distribution system components varied in original installation age with portions of the system original to 1970. The original panelboards, switches, and distribution equipment and wiring had exceeded its expected useful life.	$	245,233
1P08 | GAR-2	The generator had exceeded its expected useful life.	$	44,804
1P08 | GAR-2	The VCT in the offices and breakroom was worn and scratched.	$	32,433
1P08 | SHB-1	The exterior doors were damaged and weathered. The door hardware was loose and/or missing.	$	1,000
1P08 | SHB-2	There were areas of missing or weathered shingles.	$	500
TOTAL			**$1,073,352.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: L'Anse Garage

Assessor: AECOM Inspection Date: 8/16/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
GAR	1	3	4	4	4	3	3	3	3	4	3	3	3	4	3
GAR	2	3	3	3	0	3	3	3	3	3	0	0	3	3	3
SSB	1	3	3	3	0	3	3	4	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P10 | GAR-1	The 1986 EIFS had small areas of damage throughout and excessive damage at the northeast corner of the garage near the gas meter.	$ 21,190
1P10 | GAR-1	Facility staff reported that heating was poor in the mechanics area and the three make-up units were not working efficiently.	$ 50,352
1P10 | GAR-1	Corrosion on the exterior transformer housing was observed.	$ 20,398
1P10 | GAR-1	There were distribution panelboard and safety switches, located in a storage room near the wash bay that were assumed 1986 and beyond their expected useful life.	$ 11,766
1P10 | GAR-1	The 1986 asphalt paving was moderately cracked and deteriorated and the north parking lot paving was excessively cracked and had vegetation growing in the cracks	$ 254,119

1P10 | GAR-1	The concrete aprons at the west overhead doors had excessive cracks and spalls.	$ 3,595
1P10 | GAR-1	The 1986 chain link fence west of the building and along Winter Street had bent posts, loose barbed wire, and damaged fabric, and the gates had bent frames.	$ 57,156
1P10 | GAR-1	The 1986 windows had fogged panes due to failed seals.	$ 50,166
1P10 | GAR-1	The carpet tile was dirty and had heavy wear in traffic areas and under chair rollers.	$ 31,284
1P10 | GAR-1	The 1986 hollow metal doors and frames had exceeded their expected useful life.	$ 4,199
1P10 | SSB-1	The electrical panelboard located in the garage bay was at the end of its expected useful life.	$ 4,906
1P10 | SSB-1	The overhead sectional doors had exceeded their expected useful life.	$ 13,191
TOTAL		**$522,322.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Ishpeming TSC

Assessor: AECOM Inspection Date: 8/17/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	3	3	3	3	3	0	0	0	3	3	0
TSC	1	3	3	3	3	3	4	0	3	4	0	3	3	3	3
TST	1	3	3	3	3	3	3	3	3	3	0	3	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P03 | TST-1	The natural gas unit heater was corroded and beyond its expected useful life.	$ 8,918
1P03 | TSC-1	The interior basement wall at the stairs had efflorescence and peeling paint due to moisture intrusion.	$ 1,840
1P03 | TSC-1	The original asphalt shingle roof covering had exceeded its expected useful life.	$ 43,795
1P03 | TSC-1	The two 4-T condensing units were nearing end of their expected useful life and used R-22 refrigerant, which was phased out of production.	$ 26,832

1P03 | TSC-1	The assumed 3,000CFM air handling unit used R-22 refrigerant, which was phased out of production.	$ 71,572
1P03 | TSC-1	Two awning windows on the north wall of the kitchen had single pane glazing and missing hardware.	$ 4,181
TOTAL		**$157,138.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Newberry TSC

Assessor: AECOM Inspection Date: 8/17/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	2	2	2	2	2	2	2	2	0	0	0	2	2	0
TSC	1	3	3	4	3	3	3	3	3	4	0	4	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1P04 | TSC-1	The front restrooms interior wall finishes were beyond their expected useful life.	$ 19,531
1P04 | TSC-1	The front restrooms' plumbing fixtures were replaced over time; however they were overall aged beyond their expected useful life.	$ 10,826
1P04 | TSC-1	The six ducted split systems were nearing end of their expected useful life. Facility staff reported known issues with cooling zones.	$ 76,818
1P04 | TSC-1	There were cracks in the pedestrian sidewalk at the east elevation of the building.	$ 1,000
1P04 | TSC-1	The front restrooms' wood doors were delaminated at the bottom and beyond their expected useful life.	$ 4,862
1P04 | TSC-1	The front restrooms' floor finish was beyond its expected useful life.	$ 12,316

1P04 | TSC-1	The electric 30-gallon water heater in the mechanical room (Door #7 B03) was corroded and beyond its expected useful life.	$ 4,275
1P04 | TSC-1	The front restrooms' water closet and urinal partitions were beyond their expected useful life.	$ 10,579
1P04 | TSC-1	The security card reader and camera were functional; however facility staff reported that the system was beyond expected useful life.	$ 4,750
TOTAL		**$144,957.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: St. Ignace Garage

Assessor: AECOM Inspection Date: 8/17/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	4	3	4	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	0	0	0	3	3	0
CSB	2	3	4	3	0	3	3	3	4	0	0	0	3	3	0
GAR	1	3	3	4	3	3	3	3	3	4	0	4	4	4	0
GAR	2	3	3	4	3	3	3	3	3	4	0	3	4	4	0
GEN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HSB	1	3	3	3	3	3	4	3	3	3	0	0	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	3	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	3	3	0	3	3	3	0	0	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
1P09 | CSB-2	The exterior timber board walls were deteriorated with sections of damage along the back wall, and the painted surface was weathered.	$ 41,796

1P09 | CSB-2	The interior wall sections had areas of damaged and deteriorated wood with evidence of past repairs.	$ 7,714
1P09 | CSB-2	The panelboard had exceeded its expected useful life and the conduit routing to the panelboard had severe corrosion.	$ 6,782
1P09 | CSB-2	The exterior lighting had exceeded its expected useful life.	$ 3,538
1P09 | CSB-2	The sliding doors had isolated areas of damage and were difficult to operate.	$ 58,252
1P09 | HSB-1	The coating on the metal roof was deteriorated.	$ 17,176
1P09 | GAR-1	The kitchen sink had exceeded its expected useful life.	$ 1,979
1P09 | GAR-1	The multi-occupant restroom plumbing fixtures had exceeded their expected useful life.	$ 59,356
1P09 | GAR-1	The showers had exceeded their expected useful life.	$ 3,373
1P09 | GAR-1	The water cooler had exceeded its expected useful life.	$ 5,020
1P09 | GAR-1	The emergency eyewash had exceeded its expected useful life.	$ 1,302
1P09 | GAR-1	The service sink had exceeded its expected useful life.	$ 2,724
1P09 | GAR-1	The radiant tube heaters had exceeded their expected useful life.	$ 23,711
1P09 | GAR-1	The condensing units utilized R22 refrigerant, which is not longer manufactured.	$ 26,686
1P09 | GAR-1	Two of the distribution panelboards were original to building construction and had exceeded their expected useful life.	$ 13,469
1P09 | GAR-1	The perimeter chain link fence had bent and damaged posts, loose and missing barbed wire, widespread corrosion and was covered by overgrown trees and vegetation.	$ 207,714
1P09 | GAR-1	The site lighting fixtures and poles had exceeded their expected useful life.	$ 49,312
1P09 | GAR-1	The concrete driveway had exceeded its expected useful life and had areas of spalling and damaged concrete.	$ 215,701
1P09 | GAR-1	Facility staff reported that the fuel in the site fuel station would periodically freeze in winter and did not have enough capacity. Fuel storage was essential for vehicles due to limited hours at local gas stations. Staff also reported that an additional tank was planned but without a shed or covering for the fuel area.	$ 7,500

1P09 | GAR-1	The asphalt parking lot had widespread alligator cracking and several potholes.	$ 1,715,133
1P09 | GAR-1	The VCT flooring in the conference room and office area had exceeded its expected useful life and had significant wear.	$ 112,417
1P09 | GAR-1	The majority of the interior lighting had exceeded its expected useful life.	$ 99,388
1P09 | GAR-1	The majority of the exterior lighting had exceeded its expected useful life.	$ 15,127
1P09 | GAR-2	The metal railing on the exterior concrete stairs was damaged and the concrete was cracked and had vegetation growing on the steps.	$ 2,227
1P09 | GAR-2	The water cooler had exceeded its expected useful life.	$ 2,510
1P09 | GAR-2	The service sink had exceeded its expected useful life.	$ 2,724
1P09 | GAR-2	The single occupant restroom plumbing fixtures had exceeded its expected useful life.	$ 3,436
1P09 | GAR-2	The emergency eyewash had exceeded its expected useful life.	$ 1,302
1P09 | GAR-2	The radiant tube heaters were reported to have maintenance issues and had exceeded their expected useful life.	$ 22,623
1P09 | GAR-2	The condensing unit utilized R22 refrigerant, which is not longer manufactured.	$ 8,896
1P09 | GAR-2	Four of the distribution panelboards were original to building construction and had exceeded their expected useful life.	$ 26,937
1P09 | GAR-2	The VCT flooring in the office area had exceeded its expected useful life and had significant wear.	$ 23,084
1P09 | GAR-2	The majority of the interior lighting had exceeded its expected useful life.	$ 51,144
TOTAL		**$2,840,053.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: St. Ignace Welcome Center

Assessor: AECOM Inspection Date: 8/17/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	4	3	3	3	0	3	3	0	4	4	4	0

Location/Building Code	Deficiency	Estimated Cost
2P47 | WCT-1	Faded and peeling paint was observed throughout the wood siding and on fascia boards.	$ 6,248
2P47 | WCT-1	The drinking fountain had exceeded its expected useful life.	$ 2,510
2P47 | WCT-1	The plumbing fixtures within the multi-occupant restrooms had exceeded their expected useful life.	$ 27,307
2P47 | WCT-1	The mop sink had exceeded its expected useful life.	$ 850
2P47 | WCT-1	The kitchen sink had exceeded its expected useful life.	$ 1,979
2P47 | WCT-1	The condensing unit utilized R22 refrigerant and had exceeded its expected useful life.	$ 8,173
2P47 | WCT-1	The panelboards had corrosion on their enclosures and had exceeded their expected useful life.	$ 17,221
2P47 | WCT-1	The wood deck was weathered and had loose boards throughout. The facility sign post was weathered and had damage at it's base.	$ 7,184

2P47 | WCT-1	The asphalt parking had excessive linear and alligator cracking, potholes, and deteriorated surface.	$ 975,690
2P47 | WCT-1	The aluminum clad wood doors had exceeded their expected useful life and had discolored surfaces.	$ 7,832
2P47 | WCT-1	The rubber tile was approaching the end of its expected useful life.	$ 34,901
2P47 | WCT-1	The carpet tile had exceeded its expected useful life	$ 19,248
2P47 | WCT-1	The water heater had exceeded its expected useful life.	$ 3,934
2P47 | WCT-1	The interior and exterior lighting had exceeded its expected useful life.	$ 57,094
2P47 | WCT-1	The aluminum clad wood door had exceeded its expected useful life.	$ 3,246
TOTAL		**$1,173,417.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Marquette Welcome Center

Assessor: AECOM Inspection Date: 8/17/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	0	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
REG	1	3	3	3	3	3	3	0	3	0	0	0	0	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
2P49 | WCT-1	The electrical panelboard in the basement was aged beyond its typical useful life.	$ 6,735
2P49 | WCT-1	Facility staff reported that the asphalt walkway to the lower level was too steep and hard to navigate in the winter with snow and ice.	$ 14,149
2P49 | WCT-1	The roadways and parking lots had a moderate amount of linear cracking, minor surface deterioration, and deteriorated striping. Facility staff reported that the catch basins need rehabilitated.	$ 30,063
2P49 | WCT-1	The windows had deteriorated frames, fogged glazing panes, and staff reported that seals don't seal properly and let the cold in in the winter.	$ 22,311
2P49 | WCT-1	The wood cabinets were heavily worn and scratched.	$ 23,192
TOTAL		**$96,450.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Sault Ste. Marie Welcome Center

Assessor: AECOM Inspection Date: 8/18/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	3	3	3	3	0	3	3	0	3	3	4	3

Location/Building Code	Deficiency	Estimated Cost
2P16 | WCT-1	Several smoke alarm devices in the public restroom mechanical/storage and the welcome center were aged beyond their expected useful life. Smoke alarms were not present in the Welcome Center media storage room and furnace/storage room.	$ 3,951
2P16 | WCT-1	Two electrical panelboards serving the public restrooms were aged beyond their expected useful life.	$ 11,640
2P16 | WCT-1	The parking lots and roadways had at least 24 transverse cracks with deteriorated sealant and vegetation growth.	$ 2,453
2P16 | WCT-1	Concrete sidewalk south of the welcome center to the parking lot had an uneven joint that has caused a tripping hazard.	$ 1,314
2P16 | WCT-1	Concrete paving at the top of the exterior steps was cracked due to settlement.	$ 945
2P16 | WCT-1	The six large wood frame windows had deteriorated exterior bottom sills and two of the large wood windows had fogged panes.	$ 5,489

2P16 | WCT-1	The epoxy floor paint in the restroom mechanical/storage room was excessively worn in high traffic areas.	$ 3,451
TOTAL		**$29,243.00**

UNIVERSITY REGION

2022/2023 FACILITY ASSESSMENT

MDOT Site: Jackson TSC

Assessor: AECOM Inspection Date: 5/31/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	4	0	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
TSC	1	3	3	3	3	3	3	0	3	4	0	4	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1U04 | TSC-1	The water closets and urinal were reported by facility staff to have issues flushing.	$ 12,984
1U04 | TSC-1	The package units were deteriorated, corroded, and made excessive noise when in operation.	$ 47,588
1U04 | TSC-1	The sidewalk and transformer pad at the north entrance door stoop had settled.	$ 30,133
1U04 | TSC-1	The domestic water heater was corroded and had exceeded its expected useful life.	$ 4,427
1U04 | TSC-1	The domestic backflow preventer was corroded.	$ 5,521
TOTAL		**$100,653.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Jackson Testing Lab

Assessor: AECOM Inspection Date: 5/3122

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	3	3	3	0	0	3	3	0	3	0	0	0	0	0	0
TST	1	3	3	3	3	3	3	3	3	3	0	3	3	3	3

Location/Building Code	Deficiency	Estimated Cost
1U05 | SHB-2	The asphalt shingles were aged. There were several missing shingles with weathered sheathing exposed.	$ 2,066
1U05 | SHB-2	The wood doors were heavily weathered and warped.	$ 4,339
1U05 | TST-1	The chain link swinging gate at the northeast elevation was overgrown with vegetation and appeared to be inoperable.	$ 29,932
1U05 | TST-1	Facility staff reported that the sanitary piping routing to the septic tanks was not pitched correctly causing them to backup into the building.	$ 7,677
TOTAL		**$44,014.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: University Region Maintenance Crews

Assessor: AECOM Inspection Date: 5/31/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
FSB	2	3	3	0	0	3	3	0	3	0	0	0	3	0	0
HSB	1	3	3	3	4	3	3	3	3	3	0	0	3	3	0
RMC	1	3	4	4	3	3	4	3	3	4	0	4	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1U06 | CSB-1	The metal panels behind the exterior storage racks had minor impact damage and tears.	$ 9,269
1U06 | FSB-1	The exterior door had exceeded its expected useful life and had faded paint, minor surface damage, and excessive rust corrosion on the bottom of the door and frame.	$ 2,620
1U06 | HSB-1	The windows were approaching the end of their expected useful life and had broken seals, fogging between panes.	$ 37,624
1U06 | HSB-1	The personnel doors were approaching the end of their expected useful life and rust corrosion on their frames.	$ 5,239

1U06 | RMC-1	The paint to the exterior CMU walls was faded and chipped.	$	46,405
1U06 | RMC-1	The caulk around the perimeter of the base of the building was deteriorated.	$	13,400
1U06 | RMC-1	The membrane roof covering had exceeded it's expected useful life.	$	242,703
1U06 | RMC-1	A moderate size crack was observed below joist girder and bridge crane support bearing points in the maintenance bay. Minor step cracking was observed at the southeast corner of the maintenance bay. There was also step cracking observed in the corridor wall near the women's locker room.	$	8,308
1U06 | RMC-1	The water closets, lavatories and urinals in the men's and women's locker rooms showed signs of wear and nearing end of expected useful life.	$	18,316
1U06 | RMC-1	The central-station was nearing end of expected useful life.	$	71,572
1U06 | RMC-1	The wash bay unit heater was beyond expected useful life.	$	8,918
1U06 | RMC-1	The garage exhaust fans were not functional.	$	13,750
1U06 | RMC-1	The garage make-up air units were beyond their expected useful life.	$	50,352
1U06 | RMC-1	The air cooled condensing unit (15 Tons) at the east elevation was showing signs of weathering and nearing end of expected useful life.	$	25,352
1U06 | RMC-1	The garage radiant heaters were beyond their expected useful life.	$	29,638
1U06 | RMC-1	There was corrosion on the doors and door frames of the Wash Bay's exterior doors at the west elevation.	$	5,239
1U06 | RMC-1	The laminate countertop in the men's locker room had exceeded their expected useful life and had discolored surfaces and deteriorated caulk.	$	3,273
1U06 | SHB-1	The exterior doors had exceeded their expected useful life and had faded and paint, minor surface damage, and minor rust corrosion.	$	5,239
TOTAL			**$597,217.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Adrian Garage

Assessor: AECOM Inspection Date: 6/1/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	0	0	0	0	0	3	3	0
CSB	2	3	3	3	0	3	3	3	3	3	0	3	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	3	3	3	3	3	3	3	3	4	3	4	3
HSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
SSB	1	3	3	3	0	3	3	0	0	0	0	0	3	3	0
SSB	2	3	3	3	0	3	3	0	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
2U06 | CSB-1	Wood rot was observed at the base of the timber columns.	$ 2,500
2U06 | CSB-1	Gouges and broken timber boards were observed on the wall.	$ 4,628
2U06 | FSB-1	The doors had faded surface paint and the bottom of the doors had rust corrosion.	$ 5,239

2U06 | HSB-1	The electrical panelboard was nearing its end of expected useful life.	$	9,250
2U06 | GAR-1	The caulk around the perimeter of the base of the building was deteriorated.	$	13,642
2U06 | GAR-1	Debris or vegetative growth was observed in several sections of the gutter.	$	500
2U06 | GAR-1	The plumbing fixtures had exceeded expected service life.	$	16,181
2U06 | GAR-1	The furnace appeared to be beyond typical design life and not functioning as intended.	$	3,445
2U06 | GAR-1	The main panelboard and several electrical distribution panelboards had exceeded their typical design life. Facility staff reported that the primary cables need replacement.	$	235,370
2U06 | GAR-1	The perimeter fence had widespread corrosion and isolated areas of damage to the poles, chain link and barbed wire.	$	195,019
2U06 | GAR-1	The concrete walkways had isolated areas of damage, spalling, or exposed rebar. The damage was typically near building entrances.	$	5,072
2U06 | GAR-1	The exit signage was aged beyond its typical design life.	$	9,043
2U06 | GAR-1	There laminate countertop in the men's locker room was worn and delaminating at its base.	$	2,737
2U06 | SSB-1	The interior electrical panelboard near the facility entrance had signs of corrosion and was at the end of its expected useful life.	$	6,782
2U06 | SSB-2	The exterior electrical panelboard near the facility entrance had signs of corrosion and was at the end of its expected useful life.	$	6,782
TOTAL			**$516,190.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Monroe Welcome Center

Assessor: AECOM Inspection Date: 6/1/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	3	0
WCT	1	3	3	3	3	3	3	0	3	4	0	4	3	3	3

Location/Building Code	Deficiency	Estimated Cost
4U02 | CSB-1	The metal panels' exterior surface was faded, had minor impact damage, and tearing at the base of the panel at the overhead door jamb.	$ 5,573
4U02 | CSB-1	The interior electrical panelboard was nearing the end of its expected useful life.	$ 4,906
4U02 | WCT-1	The majority of the plumbing fixtures throughout the building had exceeded expected useful life.	$ 88,252
4U02 | WCT-1	The majority of the HVAC equipment throughout the building had exceeded expected useful life.	$ 131,449

4U02 | WCT-1	The asphalt pavement was excessively cracked throughout, had surface deterioration, and several large depressions from wheel loads in the truck side parking lot.	$ 1,819,032
4U02 | WCT-1	The playground rubber surface was cracked and worn throughout.	$ 68,121
TOTAL		**$2,117,333.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Dundee Welcome Center

Assessor: AECOM Inspection Date: 6/2/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	4	3	4	3	3	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
WCT	1	3	3	3	3	3	3	0	3	3	0	4	3	3	0
WCT	2	3	3	3	3	3	3	0	3	4	0	3	3	4	0

Location/Building Code	Deficiency	Estimated Cost
4U01 | WCT-1	Evidence of roof leaks was observed near the heating unit inside the main entrance. MDOT facility staff reported a known roof leak in the area.	$ 4,546
4U01 | WCT-1	The plumbing fixtures throughout the building had exceeded expected service life.	$ 24,237
4U01 | WCT-1	MDOT facility staff reported that the radiant heaters did not maintain a comfortable temperature within the interior of the building during cold weather periods.	$ 3,715
4U01 | WCT-1	There was one panelboard that was aged beyond its typical design life.	$ 4,214
4U01 | WCT-1	At the south end of the car-side parking lot, the asphalt was sloped towards the curb and sidewalk. MDOT facility maintenance staff reported reoccurring ponding on the south end of the car-side parking lot.	$ 15,000
4U01 | WCT-1	The chain link fencing had widespread corrosion.	$ 240,212

4U01 | WCT-1	At the car-side parking lot water drains along the sidewalk from the buildings to parking lot, the runoff does not have positive drainage to the storm inlet and MDOT facility staff reported frequent ice build-up along the new sidewalk area.	$	15,000
4U01 | WCT-1	The concrete driveway from the truck-side parking lot to the building WCT-2 was sloped towards the building. Facility staff reported water intrusion at the exterior doors and damage to the interior floor finish.	$	15,000
4U01 | WCT-1	MDOT facility staff reported the wastewater lagoons required updates to maintain operability.	$	162,500
4U01 | WCT-1	MDOT facility staff reported that the sanitary piping was problematic and appeared to be deteriorated and brittle.	$	84,411
4U01 | WCT-1	There was evidence of minor water damage to the ceiling in the lobby.	$	486
4U01 | WCT-2	The paint on the roof flashing was peeling.	$	500
4U01 | WCT-2	The plumbing fixtures in the family restroom, the mop sink, and the hand sink had exceeded expected service life.	$	6,037
4U01 | WCT-2	MDOT facility staff reported that the radiant heaters did not maintain a comfortable temperature within the interior of the building during cold weather periods.	$	13,880
4U01 | WCT-2	Several electrical panelboards and equipment were aged beyond their typical design life.	$	23,094
4U01 | WCT-2	The carpet in the office area was worn from typical wear.	$	1,113
TOTAL			**$613,945.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Blackstone Storage

Assessor: AECOM Inspection Date: 8/1/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	0	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
HSB	1	3	4	4	0	3	3	4	3	4	0	4	4	4	4

Location/Building Code	Deficiency	Estimated Cost
9U01 | HSB-1	A portion of the walls had recently been tuckpointed and painted; however there were some step cracking at the personnel doors. Signage was removed leaving unpainted areas and there were stains on the CMU walls and paint was deteriorated on areas of the metal panel wall finish.	$ 29,938
9U01 | HSB-1	Facility staff reported the water distribution was shut off at the time of the assessment and plumbing fixtures in the administrative restroom were not in service. The lavatory, water closet, urinal and shower were beyond their typical useful life.	$ 6,821
9U01 | HSB-1	There did not appear to be an exhaust fan system present in either vehicle bays.	$ 23,430
9U01 | HSB-1	Facility staff reported that the two gas unit heaters in the large vehicle bay were not working.	$ 17,836
9U01 | HSB-1	The fire alarm control panel and detection system was removed from the building.	$ 43,503

9U01 | HSB-1	The electrical panel in the large vehicle bay was missing breakers and was potential life safety hazard. There was aged electrical distribution equipment throughout the building.	$ 26,937
9U01 | HSB-1	There were trees growing directly against the exterior wall at the south side of building.	$ 2,561
9U01 | HSB-1	There was significant cracking observed in the asphalt pavement and the site contained overgrown vegetation.	$ 296,160
9U01 | HSB-1	There was significant vegetation growing on the west perimeter fence. The fencing on the east and west perimeter was bent, rusted and beyond its typical useful life. The fencing on the east perimeter was not continuous.	$ 80,326
9U01 | HSB-1	The resilient flooring and carpeting in the administrative area were aged and showed discoloration.	$ 6,335
9U01 | HSB-1	Facility staff reported the water distribution system was shut off at the time of the assessment (reason unknown). There was no hot water heater present in the mechanical room.	$ 47,453
9U01 | HSB-1	The lighting fixtures in the large vehicle storage bay was inadequate.	$ 47,979
9U01 | HSB-1	The building exterior lighting was inadequate and aged beyond its typical design life.	$ 25,808
9U01 | HSB-1	The two insulated overhead doors of the large vehicle bay were aged beyond their useful life.	$ 27,256
9U01 | HSB-1	The large vehicle storage bay's acoustic ceiling system and insulation was stained and deteriorated from water intrusion.	$ 27,675
TOTAL		**$710,018.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Lansing TSC

Assessor: AECOM Inspection Date: 8/3/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	0	3	3	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
TSC	1	3	3	4	3	3	3	0	3	3	0	3	4	4	3

Location/Building Code	Deficiency	Estimated Cost
1U03 | TSC-1	Electrical panels located in the office area on the second floor and the electrical room had exceeded their expected useful life.	$ 50,216
1U03 | TSC-1	The concrete pavement at the secondary entrance near the break room was cracked and uneven surrounding a building column.	$ 7,989
1U03 | TSC-1	The carpet on the second floor was in various condition as the open office area was recently reconfigured; however, the carpet was inconsistently worn and faded in areas.	$ 23,490
1U03 | TSC-1	The office area lighting had exceeded its expected useful life.	$ 43,298
1U03 | TSC-1	The acoustic ceiling tiles on the second floor were damaged from water intrusion.	$ 30,787
TOTAL		**$155,780.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Brighton Garage

Assessor: AECOM Inspection Date: 8/3/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	0	0	3	3	0	0	0	0	0	0	0	0
CSB	2	3	3	0	0	3	3	3	0	0	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	3	3	3	3	3	3	4	3	4	3	3	0
HSB	1	3	3	3	4	3	3	3	3	3	0	3	3	3	0
HSB	2	3	3	0	0	3	3	3	3	4	3	3	3	3	0
HSB	3	3	3	3	0	3	3	3	3	3	0	3	3	3	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SSB	1	3	4	3	0	3	3	3	0	3	0	0	3	4	0
WSH	1	2	2	2	0	2	2	2	2	4	0	2	2	2	0

Location/Building Code	Deficiency	Estimated Cost
2U01 | HSB-1	There were broken glazed panels above the east overhead door.	$ 21,900
2U01 | HSB-2	There was cracking and deteriorated concrete throughout the bay.	$ 8,800

2U01 | HSB-2	The vehicle exhaust fan and ductwork was not in working order at the time of assessment.	$	21,400
2U01 | HSB-2	There was corrosion observed on the electrical distribution panel.	$	6,800
2U01 | GAR-1	There was significant cracking and deterioration observed on the exterior stucco.	$	10,833
2U01 | GAR-1	Existing gas-fired H&V in the building A garage is deficient and exceeded it's useful life.	$	37,408
2U01 | GAR-1	Parts office adjacent to garage and wash bay has no HVAC. Office occupants leave the doors open to get fresh air. Condition of space was an expressed concern of facility maintenance staff.	$	32,381
2U01 | GAR-1	The hydronic boiler system relief valves were spilling glycol down the distribution piping, valving, and controls. Current system condition was observed to be prone to leaks, which may lead to additional system failures.	$	2,000
2U01 | GAR-1	Major cracking observed in sidewalk and curb, including potential tripping hazards.	$	1,000
2U01 | GAR-1	Alligator cracking and ponding observed in parking lot at main garage site.	$	758,986
2U01 | GAR-1	Deficiencies observed at the time of assessment included severe rusting to metal on threshold and frame of one personnel door.	$	4,853
2U01 | GAR-1	Sitting water in main garage area drain pit.	$	215,367
2U01 | SSB-1	The paint was faded on the wood siding. Minor cracking and discoloration were observed on the concrete portion of the exterior walls, most noticeably under the exhaust fan at the east elevation.	$	38,975
2U01 | SSB-1	Electrical power services and panelboards outside the building were showing signs of wear and corrosion and had exceeded expected useful life.	$	19,692
2U01 | SSB-1	The lighting in this facility was observed to be inadequate, as there were only three fixtures to light the interior of the facility.	$	8,600
2U01 | WSH-1	The gas-fired unit heaters in the wash bay was showing signs of corrosion from being in a high moisture environment. Corrosion of unit housing, heat exchanger, motors, and other components lead to failure.	$	7,300
2U01 | WSH-1	The exhaust fan was insufficiently sized to move the amount of air necessary to properly ventilate the space. This is contributing to the high-moisture environment that is degrading the condition of other equipment and building elements in the space.	$	4,880
TOTAL			**$1,201,175.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Charlotte Garage

Assessor: AECOM Inspection Date: 8/4/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
4	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	3	3	0	0	3	0	0
FSB	1	2	2	0	0	2	2	0	2	0	0	0	2	0	0
GAR	1	3	3	3	3	3	4	3	3	4	0	4	4	3	0
HSB	1	3	3	3	3	3	3	3	3	3	0	0	4	4	0
SSB	1	3	4	3	0	3	3	3	0	3	0	0	4	3	0

Location/Building Code	Deficiency	Estimated Cost
2U04 | HSB-1	The wall-mounted axial exhaust fan had exceeded its expected useful life and the damper blades were corroded.	$ 2,357
2U04 | HSB-1	Facility staff reported that the two unit heaters were not adequate for the heating season.	$ 4,517
2U04 | HSB-1	The electrical service panel was nearing end of its typical useful life. Facility staff reported the need for a 250V service for welding equipment at this building.	$ 7,138
2U04 | HSB-1	Facility staff reported the lighting to be inadequate for the task performed in the building. Additionally, the interior lighting had exceeded its expected useful life.	$ 19,982

2U04 | HSB-1	Facility staff reported that the single security camera was inadequate to provide proper coverage of the building.	$	3,500
2U04 | GAR-1	Facility staff reported known roof leaks and water intrusion. No roof access was available at the time of assessment therefore a representative photo of the exposed roof deck from inside the building has been provided for reference.	$	160,410
2U04 | GAR-1	Pipe leaks were observed under the two sinks in the men's restroom and the restroom fixtures had exceeded their expected useful life.	$	14,313
2U04 | GAR-1	Inadequate radiant tube heaters in the Main Garage.	$	5,000
2U04 | GAR-1	The office's HVAC system cannot maintain a set temperature during the heating and cooling season. Hot and cold spots were observed during the site assessment in different parts of the office area.	$	2,000
2U04 | GAR-1	The fresh air intake louver and the exhaust fan in the garage area are non-operational.	$	4,897
2U04 | GAR-1	Several of the electrical panelboards present in the main garage were corroded on the exterior, and all of the panelboards serving the facility had exceeded their expected useful life.	$	4,923
2U04 | GAR-1	Cracks observed in parking lot asphalt.	$	66,200
2U04 | GAR-1	The fluorescent light fixtures were reported to be inadequate and had exceeded their expected useful life.	$	46,261
2U04 | SSB-1	The painted surface of the plywood siding was weathered.	$	18,126
2U04 | SSB-1	The exterior electrical panelboard near the facility entrance had signs of corrosion.	$	6,782
2U04 | SSB-1	There were several interior CFL lighting fixtures not functional at the time of the assessment.	$	19,186
TOTAL			**$385,592.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Grand Ledge Garage

Assessor: AECOM Inspection Date: 11/14/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	4	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	4	3	0	3	4	0	0	0	0	0	3	3	0
CSB	2	3	3	3	0	3	3	3	3	3	0	0	3	3	0
CSB	3	3	3	3	3	3	3	3	3	3	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	4	3	3	3	3	3	4	0	4	4	4	0
HSB	1	3	3	4	0	3	3	3	3	4	0	0	3	3	0
SSB	1	3	4	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
2U02 | CSB-2	The electrical panel showed signs of corrosion and had exceeded its expected useful life.	$ 6,782
2U02 | CSB-2	Illuminated exit signs or emergency lighting were not observed inside the building during the site assessment.	$ 2,987

2U02 | CSB-1	Cracks and holes were observed in the wooden structure.	$ 2,500
2U02 | CSB-1	The exterior timber board walls were deteriorated and the painted surface was weathered.	$ 13,884
2U02 | CSB-1	Significant roof leaks and areas of damage to roof deck were observed during the site assessment.	$ 53,591
2U02 | CSB-1	Significant damage and cracks were observed during the site assessment. The interior paint had deteriorated.	$ 9,256
2U02 | HSB-1	The spray insulation was deteriorated. The insulation was peeling off of the walls in some areas.	$ 16,308
2U02 | HSB-1	The axial exhaust fan was observed to be non-operational and had exceeded its expected useful life.	$ 2,750
2U02 | HSB-1	The unit heaters have exceeded their expected useful life.	$ 17,836
2U02 | HSB-1	The interior electrical panel had exceeded its expected useful life.	$ 6,782
2U02 | HSB-1	The wall-mounted exterior lighting fixtures had exceeded their expected useful life.	$ 8,845
2U02 | GAR-1	Chipping paint and corrosion marks were observed along the building perimeter.	$ 15,712
2U02 | GAR-1	Stairstep cracks and horizontal cracks were observed along the exterior CMU wall of the building.	$ 13,660
2U02 | GAR-1	A horizontal crack line in the porcelain wall tile base was observed in the restroom.	$ 2,033
2U02 | GAR-1	The plumbing fixtures in the men's and women's restrooms had exceeded their expected useful life.	$ 10,597
2U02 | GAR-1	The DX unit located in the office space has exceeded its useful life.	$ 1,200
2U02 | GAR-1	One of the furnaces and cooling units serving the office space had exceeded its expected useful life and was non-operational.	$ 14,538
2U02 | GAR-1	The electrical panel was in close proximity to the mop sink which caused accelerated corrosion.	$ 6,782
2U02 | GAR-1	Several of the electrical panels and breakers in the main garage had exceeded their expected useful life.	$ 20,203

2U02 | GAR-1	The perimeter fence was tangled and corroded in some sections.	$ 50,659
2U02 | GAR-1	Cracks and chipping paint were observed in various parts of the main garage. Floor openings were not flush with the covers, which created a tripping hazard.	$ 3,856
2U02 | GAR-1	The interior VCT flooring in the side office was stained, deteriorated, and had exceeded its expected useful life.	$ 5,165
2U02 | GAR-1	The water heater located in the mechanical room serving the office space has exceeded its expected useful life.	$ 18,114
2U02 | GAR-1	The lighting in the office area had exceeded its expected useful life.	$ 19,135
2U02 | GAR-1	The exterior light fixtures had signs of corrosion and exceeded their expected useful life.	$ 17,689
2U02 | GAR-1	Several exit signs mounted on the exit doors were not illuminated causing a potential life-safety issue.	$ 7,691
2U02 | SSB-1	Rust stains from ferrous material in the concrete walls were observed throughout.	$ 24,687
2U02 | SSB-1	The electrical panel located on the exterior of the building has exceeded its useful life.	$ 6,782
TOTAL		**$380,024.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Wiiliamston Garage

Assessor: AECOM Inspection Date: 11/14/22

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	4	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	3	0	3	3	3	0	3	0	0	4	3	0
CSB	2	3	4	3	3	3	3	3	3	3	0	0	4	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	4	3	4	3	3	3	3	4	0	4	3	3	4
HSB	1	3	3	3	0	3	3	3	3	3	0	3	3	3	0
SSB	1	3	3	3	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
2U03 | CSB-2	The exterior painted surfaces were deteriorated and stained and the expansion joint sealant was deteriorated.	$ 27,410
2U03 | CSB-2	The lack of gutters and downspouts was causing splash staining on the exterior walls.	$ 6,315
2U03 | CSB-2	The interior lighting had exceeded its expected useful life.	$ 28,303
2U03 | CSB-1	The exterior electrical distribution panel was corroded and beyond typical useful life.	$ 5,956
2U03 | CSB-1	The interior lighting was inadequate and beyond its typical useful life.	$ 14,152

2U03 | GAR-1	The paint on the metal panels at the south elevation (main entrance) was peeling. There was minor cracking and deteriorated paint on the wash bay CMU walls.	$ 26,132
2U03 | GAR-1	The EIFS walls had cracks and buckling.	$ 6,616
2U03 | GAR-1	The plumbing fixtures showed signs of wear consistent with the age of the facility. The shower was out of operation at the time of the assessment. Facility staff reported that the restrooms, locker areas and break rooms were undersized for the number of staff members working at the garage.	$ 15,000
2U03 | GAR-1	The gas fired unit heater serving the wash bay was corroded from operating in a high-moisture environment, which leads to shorter life expectancy and equipment failure.	$ 8,918
2U03 | GAR-1	The exhaust system serving the wash bay was corroded from operating in a high-moisture environment, which leads to shorter life expectancy and equipment failure.	$ 8,250
2U03 | GAR-1	The fire alarm control panel (FACP) did not appear functional. A pull station in the mechanics bay was broken and was a life-safety issue.	$ 25,585
2U03 | GAR-1	Facility staff reported that the employee parking lot needs lighting. Employees must walk across unlighted areas of the lot to access the garage, causing risk of injury by vehicles entering the facility.	$ 18,371
2U03 | GAR-1	One window in the high bay area had a cracked pane. Facility staff reported that the windows in the garage's high bay area were beyond their typical useful life.	$ 20,903
2U03 | GAR-1	Sanitary drain in mechanical room received drainage from the washing machine, furnace condensate, and utility sink in adjacent room that was piped through the wall. The drain was undersized for the number of fixtures draining to it and draining a sink from one room to another to with an indirect drain is not consistent with good plumbing practice. The result was flooding of the space.	$ 7,500
2U03 | SSB-1	The exterior electrical panelboard near the facility entrance had signs of corrosion.	$ 6,782
TOTAL		**$226,193.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: Mason Garage

Assessor: AECOM Inspection Date: 7/19/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	0

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
CSB	1	3	3	4	0	3	3	3	3	3	0	0	3	3	0
CSB	2	3	3	0	3	3	3	3	3	3	0	0	3	3	0
FSB	1	3	3	0	0	3	3	0	3	0	0	0	3	0	0
GAR	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HSB	1	3	4	3	0	3	3	3	3	3	0	0	3	3	0
SSB	1	3	3	0	0	3	3	3	0	3	0	0	3	3	0

Location/Building Code	Deficiency	Estimated Cost
2U05 | FSB-1	There was evidence of water intrusion on the interior side of the roof concrete slab.	$ 500
TOTAL		**$500.00**

2022/2023 FACILITY ASSESSMENT

MDOT Site: University Region Office

Assessor: AECOM Inspection Date: 7/19/23

Site Assessment Ratings						
Paving	Drainage	Sidewalks	Fencing	Security	Lighting	Irrigation
3	3	3	3	3	0	3

Building Assessment Ratings															
Building Code	Structure ID	Structural	Exterior	Interior	Windows	Insulation	Roof	Overhead Doors	Service Doors	HVAC	Engine Exhaust	Plumbing	Electrical	Lighting	Fire Protection
REG	1	3	3	3	3	3	3	0	3	0	0	0	0	0	0
SHB	1	3	3	0	0	3	3	0	3	0	0	0	0	0	0
SHB	2	3	3	0	0	3	3	0	3	0	0	0	0	0	0

Location/Building Code	Deficiency	Estimated Cost
1U01 | REG-1	The expansion joints on the CMU had failed and were in need of repair.	$ 4,575
1U01 | SHB-2	Storage building is in poor condition. Leaking roof has caused damage in interior and siding.	$ 6,500
TOTAL		**$11,075.00**