

Macomb County, Michigan
Capital Improvement Plan Summary
2024-2028

Item	Description	2024	2025	2026	2027	2028	5 Yr Total	Funding Source					
								Gen Fund	Grants/Donations	Bonds	Cap Improve Fund	Other Sources	Total
Building Projects													
Animal Control	New Animal Shelter Facility	\$750,000	\$15,750,000	\$ -	\$ -	\$ -	\$ 16,500,000	\$ 3,000,000	\$ 13,500,000	\$ -	\$ -	\$ -	\$ 16,500,000
Old Central Receiving	Replace Transformer & Pad*	85,000	-	-	-	-	85,000	85,000	-	-	-	-	85,000
County Building	Replace Condensate Receivers & Pumps for High Pressure Boilers	-	-	-	250,000	-	250,000	250,000	-	-	-	-	250,000
County Building	Replace windows	-	1,000,000	4,000,000	-	-	5,000,000	-	-	5,000,000	-	-	5,000,000
Circuit Court Building	Replacement of Electrical Substation Switches, Controls, Feeds, and (3) Federal Pacific Panels*	500,000	-	-	-	-	500,000	500,000	-	-	-	-	500,000
Circuit Court Building	Replace (2) Heat Exchangers	-	-	-	165,000	-	165,000	165,000	-	-	-	-	165,000
Faith Christian	Misc. Remodeling	1,500,000	750,000	750,000	750,000	750,000	4,500,000	4,500,000	-	-	-	-	4,500,000
Hall Rd Warehouse	Renovation to F&O main office & relocation of Purchasing	750,000	750,000	-	-	-	1,500,000	-	-	-	1,500,000	-	1,500,000
Hall Rd Warehouse	Boiler Replacement	-	485,000	-	-	-	485,000	485,000	-	-	-	-	485,000
Juvenile Justice Center	Replace (2) Air Cooled Chiller Units	-	475,000	-	-	-	475,000	-	-	-	475,000	-	475,000
Juvenile Justice Center	Replace (2) Boilers w/High Efficiency Hot Water Boilers	-	-	-	200,000	-	200,000	200,000	-	-	-	-	200,000
Medical Examiner's Office	Replacement of (2) Rooftop HVAC Units (RTU)	-	-	200,000	-	-	200,000	200,000	-	-	-	-	200,000
Mt Clemens Health	Demolition	-	450,000	-	-	-	450,000	-	-	450,000	-	-	450,000
New Baltimore Court	Replace Boilers (2) & (1) Rooftop HVAC Unit (RTU)	-	300,000	-	-	-	300,000	-	-	-	-	300,000	300,000
Parking Deck	Snow Melt System Installation	-	100,000	-	-	-	100,000	100,000	-	-	-	-	100,000
Public Works Building	Replace (2) Boilers	-	-	150,000	-	-	150,000	150,000	-	-	-	-	150,000
Public Works Building	Replace (4) Air Conditioning Condenser Units	-	-	200,000	-	-	200,000	200,000	-	-	-	-	200,000
Public Works Building	Installation of Full Building Emergency Generator*	450,000	-	-	-	-	450,000	218,000	-	-	232,000	-	450,000
Talmer Building	Boiler & Rooftop Unit Replacement	-	275,000	-	-	-	275,000	275,000	-	-	-	-	275,000
Verkuilen Building	Addition & Renovation	-	72,268,000	-	-	-	72,268,000	-	25,000,000	47,268,000	-	-	72,268,000
South Regional Service Building	Construction & Site Acquisition	-	20,916,000	-	-	-	20,916,000	-	-	20,916,000	-	-	20,916,000
Building Management System	Replacement/Upgrades/Additons	25,000	25,000	15,000	15,000	150,000	230,000	230,000	-	-	-	-	230,000
		4,060,000	113,544,000	5,315,000	1,380,000	900,000	125,199,000	10,558,000	38,500,000	73,634,000	2,207,000	300,000	125,199,000
Technology Projects													
Circuit court	Panic button upgrade	4,500	-	-	-	-	4,500	4,500	-	-	-	-	4,500
Circuit court	Collect Software	7,000	-	-	-	-	7,000	7,000	-	-	-	-	7,000
Circuit court	PA System for New Baltimore Lobby	2,000	-	-	-	-	2,000	2,000	-	-	-	-	2,000
Circuit court	AI Smartbench for Referees	46,000	-	-	-	-	46,000	46,000	-	-	-	-	46,000
Circuit court	Keyscan access to media room	20,000	-	-	-	-	20,000	20,000	-	-	-	-	20,000
Circuit court	Expand 5point Checkin system	35,000	-	-	-	-	35,000	35,000	-	-	-	-	35,000
Circuit court	Migration to Probate Court Workflow & Unity licensi n g	-	136,825	-	-	-	136,825	136,825	-	-	-	-	136,825
Circuit court	Courts AV Technology Upgrade	-	1,179,280	-	-	-	1,179,280	1,179,280	-	-	-	-	1,179,280
County Clerk	ES&S upgrade	36,000	17,000	-	250,000	-	303,000	303,000	-	-	-	-	303,000

Macomb County, Michigan
Capital Improvement Plan Summary
2024-2028

Item	Description	2024	2025	2026	2027	2028	5 Yr Total	Funding Source					Total
								Gen Fund	Grants/Donations	Bonds	Cap Improve Fund	Other Sources	
County Clerk	Tyler Cloud for Remonumentation	30,000	-	-	-	-	30,000	30,000	-	-	-	-	30,000
County Clerk	Scheduling & Timekeeping software	125,000	-	-	-	-	125,000	125,000	-	-	-	-	125,000
County Clerk	Jury Room A/V replacement	50,000	-	-	-	-	50,000	50,000	-	-	-	-	50,000
County Clerk	Replace payment system	13,000	-	-	-	-	13,000	13,000	-	-	-	-	13,000
County Clerk	CourtHouse Technologies enhancements	20,000	-	-	-	-	20,000	20,000	-	-	-	-	20,000
Communtiy Corrections	CSTAR	56,000	-	-	-	-	56,000	56,000	-	-	-	-	56,000
Communtiy Corrections	Opioid Grant funded project	200,000	-	-	-	-	200,000	200,000	-	-	-	-	200,000
Communtiy Corrections	Jail wireless access	18,000	-	-	-	-	18,000	18,000	-	-	-	-	18,000
Finance	Strategic Sourcing	350,000	-	-	-	-	350,000	350,000	-	-	-	-	350,000
Finance	IT Infrastructure at Vic/Wertz	127,000	-	-	-	-	127,000	127,000	-	-	-	-	127,000
Facillities	Traffic & Safety Parking Structure upgrade	192,000	-	-	-	-	192,000	192,000	-	-	-	-	192,000
Health Department	Morque Imaging	25,000	-	-	-	-	25,000	25,000	-	-	-	-	25,000
Health Department	Food inspection equipment	36,500	-	-	-	-	36,500	36,500	-	-	-	-	36,500
Health Department	EH Integrated system - Septic Phase 3	98,000	-	-	-	-	98,000	98,000	-	-	-	-	98,000
Health Department	Electronic Health Medical Records System	500,000	-	-	-	-	500,000	500,000	-	-	-	-	500,000
Health & Comm Services	Central Intake System	-	4,500,000	4,500,000	-	-	9,000,000	9,000,000	-	-	-	-	9,000,000
Information Technology	Compute & Storage growth	401,000	127,000	-	1,000,000	-	1,528,000	1,528,000	-	-	-	-	1,528,000
Information Technology	Isilon, Power Protect & Cloud financed payments	377,684	377,684	-	-	-	755,368	755,368	-	-	-	-	755,368
Information Technology	Software defined networking (network refresh) financed payments	865,394	1,065,394	-	4,000,000	4,000,000	9,930,788	9,930,788	-	-	-	-	9,930,788
Information Technology	Zero Trust (IAM, SASE, Microsegmentation)	-	650,000	120,000	-	-	770,000	770,000	-	-	-	-	770,000
Information Technology	Miscellaneous Upgrades to enhance infrastructure	62,000	265,000	-	-	-	327,000	327,000	-	-	-	-	327,000
Information Technology	Surveillance cameras replacement	250,000	400,000	-	-	-	650,000	650,000	-	-	-	-	650,000
Information Technology	Manage, Detect & Respond (SOC/NOC)	-	250,000	250,000	250,000	250,000	1,000,000	1,000,000	-	-	-	-	1,000,000
Information Technology	Video Wall replacement	1,000,000	-	-	-	30,000	1,030,000	515,000	-	-	-	515,000	1,030,000
Information Technology	UPS replacements of EOL equipment	55,000	-	-	-	-	55,000	55,000	-	-	-	-	55,000
Information Technology	Workday expansion & integration	100,000	150,000	150,000	150,000	150,000	700,000	700,000	-	-	-	-	700,000
Information Technology	Electronic Document Management	100,000	150,000	150,000	150,000	150,000	700,000	700,000	-	-	-	-	700,000
Information Technology	Data Management & Analytics	-	250,000	-	-	-	250,000	250,000	-	-	-	-	250,000
Information Technology	Monitoring	70,000	-	-	-	-	70,000	70,000	-	-	-	-	70,000
Information Technology	Automation	50,000	-	-	-	-	50,000	50,000	-	-	-	-	50,000
Sheriff	Jail camera project (Phase 2)	-	1,573,000	-	-	-	1,573,000	1,573,000	-	-	-	-	1,573,000
Sheriff	Keyscan Panel replacements	290,000	-	-	-	-	290,000	290,000	-	-	-	-	290,000
Sheriff	UPS implementations at the Sheriff's office	80,000	-	-	-	-	80,000	80,000	-	-	-	-	80,000
Sheriff	Jail Door Intercom System	100,000	-	-	-	-	100,000	100,000	-	-	-	-	100,000

Macomb County, Michigan
Capital Improvement Plan Summary
2024-2028

Item	Description	2024	2025	2026	2027	2028	5 Yr Total	Funding Source					
								Gen Fund	Grants/Donations	Bonds	Cap Improve Fund	Other Sources	Total
Sheriff	AV Replacement in training room	9,500	-	-	-	-	9,500	9,500	-	-	-	-	9,500
Sheriff	Digitizing Record's cash receipts	15,000	-	-	-	-	15,000	15,000	-	-	-	-	15,000
Sheriff	Jail Tracker modules (Court Transport & JailBond)	100,000	-	-	-	-	100,000	100,000	-	-	-	-	100,000
Sheriff	Laptop cart & laptops for training	45,000	-	-	-	-	45,000	45,000	-	-	-	-	45,000
Emerg Mgmt	EMS (originally MCERT)	52,000	-	-	-	-	52,000	52,000	-	-	-	-	52,000
Planning	SalesForce API's, Community Connectors & Enhance	35,000	35,000	35,000	35,000	35,000	175,000	175,000	-	-	-	-	175,000
Planning	Plotter	25,000	-	-	-	-	25,000	25,000	-	-	-	-	25,000
Planning	Cloud based Test Environment for GIS	50,000	-	-	-	-	50,000	50,000	-	-	-	-	50,000
Prosecuting Attorney	Laptop cart and equipment for interns	39,000	-	-	-	-	39,000	39,000	-	-	-	-	39,000
Prosecuting Attorney	Security door access	19,000	-	-	-	-	19,000	19,000	-	-	-	-	19,000
Prosecuting Attorney	Twilio	6,500	-	-	-	-	6,500	6,500	-	-	-	-	6,500
Prosecuting Attorney	Generative AI	32,000	-	-	-	-	32,000	32,000	-	-	-	-	32,000
Prosecuting Attorney	Colossyan	8,500	-	-	-	-	8,500	8,500	-	-	-	-	8,500
Prosecuting Attorney	Karpel interfaces CASE MGMT SYSTEM	250,000	243,000	-	-	-	493,000	493,000	-	-	-	-	493,000
Prosecuting Attorney	Kiosk checkins for Courts	-	562,000	-	-	-	562,000	562,000	-	-	-	-	562,000
Prosecuting Attorney	USACE Stormwater Asset Management Project	181,350	227,335	-	-	-	408,685	408,685	-	-	-	-	408,685
Treasurer	BS&A move to the cloud	-	335,000	-	-	-	335,000	335,000	-	-	-	-	335,000
Treasurer	eCommerce (Credit card /online payments system)	150,000	150,000	150,000	-	-	450,000	450,000	-	-	-	-	450,000
Treasurer	Texting System to communicate with Public	65,000	-	-	-	-	65,000	65,000	-	-	-	-	65,000
Veterans	VetraSpec Replacement	25,000	-	-	-	-	25,000	25,000	-	-	-	-	25,000
Contingency	Unplanned project contingency	100,000	100,000	100,000	100,000	100,000	500,000	500,000	-	-	-	-	500,000
Technology Subtotal		6,999,928	12,743,518	5,455,000	5,935,000	4,715,000	35,848,446	35,333,446	-	-	-	515,000	35,848,446
Total		\$ 11,059,928	\$ 126,287,518	\$ 10,770,000	\$ 7,315,000	\$ 5,615,000	\$ 161,047,446	\$ 45,891,446	\$ 38,500,000	\$ 73,634,000	\$ 2,207,000	\$ 815,000	\$ 161,047,446
	Estimate of new projects	-	-	3,230,000	2,685,000	4,385,000	10,300,000						
	Allowance for projects not started	(4,977,000)	(12,841,407)	(2,708,000)	(2,926,000)	(2,246,000)	(25,698,407)						
		\$ 6,082,928	\$ 113,446,111	\$ 8,062,000	\$ 4,389,000	\$ 3,369,000	\$ 135,349,039						
	Capital Improvement Fund	\$ 2,293,928	\$ 1,000,000	\$ 4,000,000	\$ -	\$ -	\$ 7,293,928						
	District Court Improvement Fund	300,000	-	-	-	-	300,000						
	Opioid Fund	200,000	-	-	-	-	200,000						
	Grants/Donations	-	37,000,000	-	-	-	37,000,000						
	Bonds	-	68,184,000	-	-	-	68,184,000						
	General Fund	3,289,000	7,262,111	4,062,000	4,389,000	3,369,000	22,371,111						
		\$ 6,082,928	\$ 113,446,111	\$ 8,062,000	\$ 4,389,000	\$ 3,369,000	\$ 135,349,039						

**Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028**

BUILDING REPAIR & REPLACEMENT PROJECTS

1. ANIMAL SHELTER

New Facility

Construction of a new Animal Shelter facility. The estimated cost of construction is \$16.5 million, tentatively scheduled for 2025 using approximately \$13.5 million in donations from non-profits and \$3 million of General Fund support. \$750,000 is included in the 2024 Capital Improvement Project for design of this project.

2. OLD CENTRAL RECEIVING

Replacement of Transformer and Pad

A transformer is a passive component that transfers electrical energy from one current to another current or multiple circuits. This transformer is a step-down transformer designed to reduce the voltage entering the building. Due to age of the transformer and condition of the concrete pad, we are replacing to minimize failure. This project is in design (2023) with construction scheduled for 2024. The project is estimated at \$85,000 and will be combined and bid as a package with several other electrical projects contained within this document.

OLD CENTRAL RECEIVING TRANSFORMER & PAD



Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

3. COUNTY BUILDING

Replacement of Condensate Receiver and Pumps

A Condensate Receiver captures all the excess steam and condensation produced by the Boiler. Once the moisture is gathered within the condensate tank, the pumps return the condensate to the Boiler so it can be reused. This equipment is at the end of its useful life, and we anticipate replacement in 2027. This project is estimated at \$250,000.

COUNTY BUILDING CONDENSATE RECEIVER



COUNTY BUILDING PUMPS



Replacement of (2) Emergency Generators

The County building is outfitted with (2) 300KW Generac natural gas emergency generators that have failed. Repairs for these units over the past 6 years have totaled well above the value of the equipment. They are currently out of warranty and need approximately \$30,000 in repairs, that may not correct the issues in their entirety. In lieu of continuing to spend time and money fixing these units, they should be removed and replaced.

Replacement of Windows

The windows in the County building were installed in 1978 and have served their useful life. Seals on many windows are broken, locks & mechanisms in disrepair, and some leak on a driving rain. In 2023, F&O worked with a General Contractor to try and get the seals removed and replaced. After working through many custom seals that failed tests, it was determined that the best course of action is window replacement. This project is scheduled for design in 2025 and replacement in 2026. Estimated cost- \$4,500,000-\$5,000,000.

**Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028**

4. COURT BUILDING

Replacement of Electrical Substation Switches, Primary Feeds, three (3) Federal Pacific Panels

There are two (2) primary feeds entering the Court Building providing electrical power to the Court and County Buildings. In the event we lose one of the power feeds, we can switch to the other primary line, restoring full power to the buildings. The switches, controls and feeds are original (1967/1968) and testing has indicated weakening of the switches and one of the feeds due to age. There are also three (3) Federal Pacific Panels that are obsolete and require replacement. This project is scheduled for replacement in 2024. The project is estimated at \$500,000 and will be combined and bid as a package with several other electrical projects contained within this document.

COURT BUILDING
ELECTRICAL SUBSTATION, SWITCHES, PRIMARY FEEDS



COURT BUILDING
THREE (3) FEDERAL PACIFIC PANELS



Replacement of two (2) Heat Exchangers

A Heat Exchanger is a component of the Mechanical System that is used to transfer heat between a source and a working fluid. This equipment is original (1967/1968) and is approaching the end of its useful life. This replacement is scheduled for 2027 at an estimated cost of \$165,000.

TWO (2) HEAT EXCHANGERS



**Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028**

5. HALL ROAD WAREHOUSE

Boiler Replacement

The existing boiler is at the end of its useful life expectancy. We will explore replacing this boiler with two (2) high efficiency boilers. Currently, with the one boiler, if the boiler breaks down, we have no building protection for a large portion of the Warehouse and Administration area. With two (2) high efficiency boilers, if one boiler fails, the second boiler can carry 65% of the heat load. In the alternative, we are discussing the possibility of replacing the existing boiler with rooftop units. It is our intent to see which option is more cost effective in terms of replacement cost and long-term maintenance and operational costs. The estimated cost of \$485,000 for replacement in 2025.

HALL ROAD WAREHOUSE BOILER



Renovation and Modifications to Print Shop & Facilities and Operations

This project is a multi-department project within the same facility and have adjoining spaces. Facilities and Operations moved into the Vic Wertz/Hall Road facility in 2013 after the County Building Fire. The space was never formally designed into a proper workspace as there wasn't time to do so after the fire at the County Building. F&O is requesting this project to better utilize the space within our existing footprint while maximizing efficiency of the Department. This renovation/modernization is anticipated to cost \$750,000 (including furniture.)

The second portion of this project is the renovation and modernization of the Print Shop space, into the future home of the Purchasing Department. The space is directly adjacent to the Facilities and Operations office space, so it makes sense to bid both out as one package. Conceptual design has been completed already and the project is anticipated to cost \$750,000.

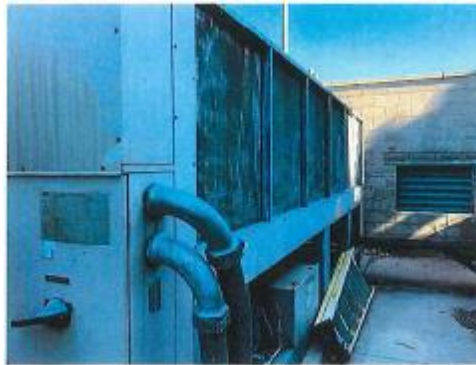
Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

6. JUVENILE JUSTICE CENTER (JJC)

Replace two (2) Air Cooled Chiller Units

Air Cooled Chiller Units are a major component of the air conditioning system. The Air Cooled Chillers remove heat from the cooling coils and expel the heat to the atmosphere using multiple fans. The two (2) chiller units supply the entire facility. The units are original (2002), and due to age, we anticipate replacement in 2025 at an estimated cost of \$475,000.

JJC CHILLER UNIT



Replace two (2) Boilers with High Efficiency Hot Water Boilers

This facility is served by two (2) hydronic boilers. A hydronic boiler heats a building utilizing hot water. Due to age and life expectancy, we anticipate replacement with two (2) high efficiency hydronic heating boilers to minimize failure. This project is estimated at \$200,000 and is scheduled for 2027.

JJC BOILER



**Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028**

7. MEDICAL EXAMINER'S OFFICE

Replacement of two (2) Rooftop Units (RTU)

The two (2) rooftop units at the Medical Examiner's Office will be approaching the end of their useful life. This equipment is original (2006/2007). To minimize failure, we anticipate replacement. We estimate the cost at \$200,000 and is scheduled for 2026.

MEDICAL EXAMINER ROOFTOP UNITS



8. MT. CLEMENS HEALTH DEPARTMENT BUILDING

Demolition

Upon completion of the Capital Development and Space Needs Assessment, and relocation of current services provided at the Mt. Clemens Health Department Building, this Building would be demolished. It is anticipated demolition would occur in 2025 at an estimated cost of \$450,000.

**Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028**

9. 42nd DISTRICT COURT – DIVISION II (NEW BALTIMORE)

Replacement of two (2) Boilers and one (1) Rooftop Unit (RTU)

There are two (2) hydronic boilers at the New Baltimore Court. One Boiler serves the perimeter heating and heating coils in the building and the second Boiler serves the ice melt system for the underground garage and lock-up area. Hydronic boilers heat the building utilizing hot water. The Rooftop Unit (RTU) is a component of the HVAC system, and it is used to regulate and circulate air. The Boilers and the Rooftop Unit is original equipment (2007). These components will be approaching the end of their useful life and anticipate the need to replace to minimize untimely failure. The estimated cost is \$300,000 and is scheduled for 2025.

NEW BALTIMORE ROOFTOP UNIT (RTU)



NEW BALTIMORE – BOILER 1



NEW BALTIMORE – BOILER 2



Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

10. PUBLIC WORKS

Replace two (2) Boilers

The two (2) boilers serving the Public Works Building will be approaching 20 years old. Due to age, we anticipate the need to replace to minimize untimely failures. The estimated cost is \$150,000 and is scheduled for 2026.

Replace four (4) Air Conditioning Condenser Units

An Air Conditioning Condenser Unit is a major component of the air conditioning system. Condensing units provide cooling to the air handlers by way of removing heat and transferring the heat to the fan units and then expel the heat into the atmosphere. The condenser units serving the Public Works Building will be approaching 20 years old. Due to age, we anticipate the need to replace to minimize untimely failures. The estimated cost is \$200,000 and is scheduled for 2026.

BOILER



AIR CONDITIONING CONDENSER UNITS



Building Generator

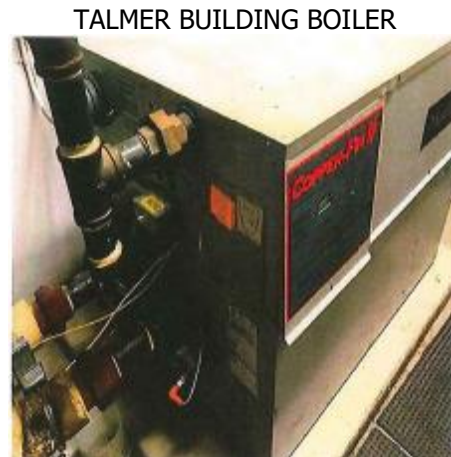
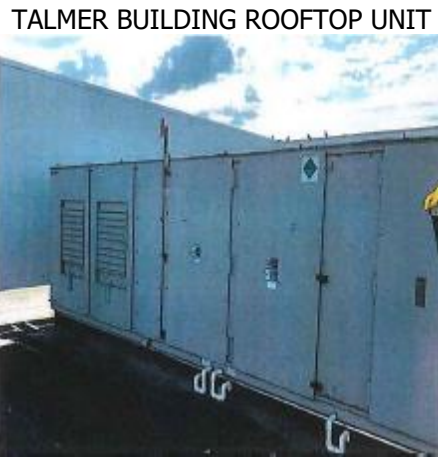
The Department of Public Works is required to access critical systems such as SCADA, NextGen, GIS and OnBase to respond to public needs and emergency responders. A full building generator would allow for uninterrupted service. Construction will commence in 2024. An estimated budget of \$450,000 is included as a placeholder. This project will be combined and bid as a package with several other electrical projects contained within this document to take advantage of potential savings and more competitive bid responses.

Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

11. TALMER BUILDING

Boiler and Rooftop Unit (RTU) Replacement

A boiler is a major component of the HVAC system. This Boiler is from 2004 and due to age, we anticipate the boiler will require replacement. The estimated cost is \$100,000 and is scheduled for 2025. A rooftop unit is a major component of the HVAC system. A rooftop unit regulates and circulates air. This Rooftop Unit is from 2004 and due to age, we anticipate replacement in 2025 at an estimated cost of \$175,000.



Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

12. VERKUILEN BUILDING*

Addition & Renovation Project

The VerKuielen Building was built in 1975 with an addition in 1989 and a partial renovation of a portion of the Building in 1998. The State of Michigan leased approximately 35,564 square feet at the VerKuielen Building. In August of 2020, the State vacated this location. It was our intent to renovate the vacant area to house the Health Department staff currently located in the Mt. Clemens Health Center. After this renovation & relocation, the Mt. Clemens Health Center would be demolished. The experience of COVID with increased demand for services and employees working remotely, it was prudent and fiscally responsible to take a step back and evaluate the delivery of Health & Public Services, along with the impact of remote working at the Verkuilen Building, Majestic Plaza, and Southeast Health Center.

A Capital Development Strategy and Space Needs Assessment was performed by Plante Moran Cresa. The results of the strategy and assessment resulted in a full renovation, partial demolition, and addition. It is anticipated design would occur in 2024/2025 with construction occurring in 2025/2026 at an estimated cost of \$72.3 million.

13. BUILDING MANAGEMENT SYSTEM

A Building Management System is a computer-based control system installed in buildings that can control and monitor the building's mechanical and electrical equipment such as ventilation, lighting and power systems. The Building Management System consists of software and hardware. The core function of the system is to manage the environment within the buildings. This system controls heating and cooling, manages the systems that distributes air throughout the building (operating fans or opening/closing dampers) and then locally control the mixture of heating and cooling to achieve a desired room temperature. Our Building Management System is Automated Logic with WEBCTRL. This system is operated by County Boiler/Refrigeration Personnel. Over the years, as equipment is replaced, or renovations occur, controls are added and tied into the Building Management System.

Further implementation and maintenance of this system is estimated to cost approximately \$230,000 over the next five (5) year period.

Macomb County, Michigan
Five Year Capital Plan – Project Descriptions
2024 - 2028

14. SOUTH REGIONAL HEALTH & PUBLIC SERVICE FACILITY

A Capital Development & Space Needs Assessment was conducted to strategically plan for future health and public services. All departments currently occupying the Verkuilen Building, Southeast Health, and Majestic Plaza were included in this study. The South Regional Health & Public Service Facility is based upon a new facility and site and would provide for Health, Community Mental Health, Macomb County Action, and Michigan State Extension Services. This new facility would serve the entire south end of the County and would replace the need for the Southeast Health Center and Majestic Plaza. If no site is available in the targeted area, we would retain Majestic Plaza only. The estimated cost is \$20.9 million and work is anticipated to take place in 2025.

15. FAITH CHRISTIAN SCHOOL

Plante Moran Cresa completed a Facility Assessment Report for the Faith Christian School building in June 2022. This report provided a high-level assessment of the anticipated Capital Expenditures for the first 6 years after the purchase of the Facility. Due to the lack of time spent in the facility thus far, these numbers solely based on Plante Moran's assessment. It is anticipated over the next 3-6 months that we will have a better idea of the needs of facility as well as "must-do" items.

2024 - \$1,500,000

2025 - \$750,000

2026 - \$750,000

2027 - \$750,000

2028 - \$750,000