



# BOARD OF COMMISSIONERS

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## BOARD OF COMMISSIONERS

### REGULAR SESSION WITH A SPECIAL AGENDA

THURSDAY, FEBRUARY 13, 2014, 9 A.M.

#### FINAL SPECIAL AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Adoption of Agenda
5. Public Participation (five minutes maximum per speaker, or longer at the discretion of the Chairperson related only to issues contained on the agenda)
6. Discussion and Prioritization of Five-Year Capital Plan (Ongoing Maintenance and Repair & Replacement Projects) and Parking Structure (page 1) **(attached)**
7. New Business
8. Public Participation (five minutes maximum per speaker or longer at the discretion of the Chairperson)
9. Roll Call
10. Adjournment

#### MACOMB COUNTY BOARD OF COMMISSIONERS

David J. Flynn – Board Chair  
District 4

Kathy Tocco – Vice Chair  
District 11

Mike Boyle – Sergeant-At-Arms  
District 10

Toni Mocerri – District 1  
Don Brown – District 7

Marvin Sauer – District 2  
Kathy Vosburg – District 8

Veronica Klinefelt – District 3  
Fred Miller – District 9

Robert Mijac - District 5  
Bob Smith – District 12

James Carabelli – District 6  
Joe Sabatini – District 13



## 2014 Capital Improvement Plan *BOC Approach for Discussion and Prioritization*

**Objective:** Conduct discussions to review details of the capital improvement needs of the county and prioritize each project for the next 5 years

### Discussion and Prioritization Meetings

#### **1. Overall discussion of Capital Improvement Needs w/ County Elected Officials**

- a. Date and Time: 2/11 (Tuesday) 2:00 pm
- b. Attendees: Representatives from the following: BOC, County Clerk, Court, OCE, Treasurer's Office, Public Works, Prosecutor's Office, IT, Facilities, & Plante Moran Cressa
- c. Location: Board Conference Room (9<sup>th</sup> Floor); Roundtable format

#### **2. 5-Year Capital Plan (Ongoing Maintenance and Repair & Replacement Projects) and Parking Structure**

- a. Date and Time: 2/13 (Thur) 9:00 am [Special Full Board Meeting]
- b. Attendees: Board of Commissioners, OCE, Finance, Facilities, Wakely & Associates, Plante Moran Cressa, Treasurer's Office, Public Works, Prosecutor's Office, County Clerk's Office, Courts, Sheriff's Office
- c. Location: Board Conference Room (9<sup>th</sup> Floor); Roundtable format

#### **3. Technology and Equipment Projects (IT)**

- a. Date and Time: 2/26 (Wed) 10:00am [Last Agenda Item of Finance Meeting]
- b. Attendees: Board of Commissioners, OCE, Finance, IT, Treasurer's Office, Public Works, Prosecutor's Office, County Clerk's Office, Courts, Sheriff's Office
- c. Location: Board Room (9<sup>th</sup> Floor); Committee meeting format

#### **4. Retiree Health Care Discussion (Financial impacts to CIP)**

- a. Date and Time: 2/27 (Thur) 5:00pm [Audit Committee Meeting]
- b. Attendees: Board of Commissioners, OCE, Finance, Bond Counsel, Actuaries, Treasurer's Office, Public Works, Prosecutor's Office, County Clerk's Office, Courts, Sheriff's Office
- c. Location: Board Room (9<sup>th</sup> Floor); Committee meeting format

#### **5. Jail (incl. Repair and Replacement Projects, and discussions for new jail)**

- a. Date and Time: 3/10 (Mon) 1:00pm [Last Agenda Item of Gov Ops Meeting]
- b. Attendees: Board of Commissioners, OCE, Finance, Facilities, Sheriff's Office, Treasurer's Office, Public Works, Prosecutor's Office, County Clerk's Office, Courts
- c. Location: Board Room (9<sup>th</sup> Floor); Committee meeting format

#### **6. Downtown County Offices Renovations**

- a. Date and Time: 3/20 (Thur) 5:30pm [Special Full Board Meeting]
- b. Attendees: Board of Commissioners, OCE, Finance, Facilities, Treasurer's Office, Clerk's Office, Courts, Prosecutor's Office, Public Works, Wakely & Ass., Plante Moran Cressa
- c. Location: Board Conference Room (9<sup>th</sup> Floor); Roundtable format

**County of Macomb, Michigan**  
**Five Year Capital Plan – Project Descriptions**  
**2014 - 2018**

**BUILDING REPAIR & REPLACEMENT PROJECTS**

1. Space Utilization Plan Upgrades/Renovations

The County had a space utilization study performed by an outside consulting firm in 2013 in response to requests for additional space from several departments and elected officials as well as the fire in the Old County Building in April 2013. The scope of this project involves extensive renovations of the Court Building, the Old County Building, finishing the remaining two unfinished floors of the Administration Building and potentially constructing a new parking structure on the downtown campus. The estimated cost of this project, as presented by the consultants, is \$60,000,000. However, \$35,000,000 is not being funded at this time, resulting in a net project cost of \$25,000,000 being funded in this five year plan.

2. County Building Chiller Replacement

This equipment supplies chilled water to the building for air conditioning. Oil samples are taken twice a year and are showing metal particles, indicating wear on the internal bearings and other moving parts in the compressor portion of the machine. Failures have also been experienced on the electrical controls and these parts are obsolete. A new control panel will be part of the rebuild package. This project is scheduled for 2014 at an estimated cost of \$400,000.

3. Old Central Receiving Building HVAC Rooftop Unit Replacement (3 Units)

Two units supply heating, cooling and ventilation to the current location of the emergency operations center, the third unit supplies ventilation and humidity to the warehouse area. These units are reaching the end of their useful lives. This project is scheduled for 2016 at an estimated cost of \$200,000.

4. Jail Renovation – Tower, Maximum Security, D Block and Rehab

The Jail is comprised of various housing wings. In 2005, the Board of Commissioners approved the schematic design for a Jail Addition & Renovation Project. This project would have added cells, replaced or updated various components of the infrastructure and would have demolished the oldest portions of the jail. The project was tabled pending a funding source. In order to extend the life of various sections of the facility, capital improvements were identified. Most of the work involves ventilation in the older portions designed and constructed in the middle to late 1950's, Rehab Center in the middle 1970's and Tower in the late 1980's. The heating system has a mixture of steam heat and heating hot water. Due to age, repair costs have accelerated. The new system would eliminate the need for steam-to-water heat exchangers. There would also be air conditioning and ventilation added to sections of the Jail. This project began in 2012 and the total cost is estimated at \$5,700,000, with \$1,352,400 being expended in 2012 and 2013 and the remaining \$4,347,600 scheduled to be spent through completion in 2014.

5. Jail – Centrifugal Control Panel Upgrade

This panel controls the operation of the chilled water being supplied to the centrifugal air conditioning units serving the jail tower and administration area. A new control panel would operate the equipment more efficiently and allow integration into the Building Management System. This project is scheduled for 2014 at an estimated cost of \$80,000.

**BUILDING REPAIR & REPLACEMENT PROJECTS (continued)**

6. Jail – Cold Water Main Replacement – Rehab Unit

The Jail Rehabilitation Center was constructed in the mid 1970's. The cold water mains are galvanized piping and deterioration occurs over time. Repairs have occurred and the mains are approaching the end of their useful lives. This project is scheduled for 2015 at an estimated cost of \$400,000.

7. Jail Tower – Domestic Hot Water Boiler Replacement

The Jail Tower was constructed in 1985/1986. There are two boilers and storage tanks supplying the domestic hot water demands of the building. In the next few years, it will be approaching the end of its useful life and will require replacement. This project is scheduled for 2014 at an estimated cost of \$400,000.

8. Jail Tower Cold Water Mains & Booster Pump(s)

The Jail Tower was constructed in the late 1980's and the domestic cold water mains are showing signs of deterioration. The domestic water system is also serviced by two sets of booster pumps with one set serving floors 1 thru 7 and one set of pumps serving floors 8 thru 12. Due to age and condition, they are approaching the end of their useful life. This project is scheduled for 2014 at an estimated cost of \$1,500,000.

9. Jail Cooling Tower Replacement

The cooling tower supplies water to two chillers that supply air conditioning to the lower half of the tower (Floors 1-7) including Administration. Both units have reached the end of their useful life. Project is scheduled for 2014 at an estimated cost of \$175,000.

10. Sheriff Boathouse – Replace Furnace and Air Conditioning Equipment

This system is over 25 years old and is at the end of its useful life. The new system will have new VAV (Variable Air Volume) and ductwork with fresh air intakes and exhaust, separating the garage from the office area. Integrating this building to our Building Management System will allow for better efficiency and control. This estimated cost of this project is \$150,000 and is scheduled for 2014.

11. Elevator Modernization - County/Court Buildings

The four elevators in the Court Building were installed in 1969/1970 and the two electric cars in the County Building were installed in early 1970's. In addition, the County Building is serviced by one sidewalk elevator. Minor upgrades have occurred to these elevators over the years to comply with ADA. Due to their age, along with usage, these elevators are becoming less reliable with entrapments occurring. This project was started in 2013 at an estimated cost of \$1,251,233 and is scheduled for completion in 2014.

**County of Macomb, Michigan**  
**Five Year Capital Plan – Project Descriptions**  
**2014 - 2018**

**BUILDING REPAIR & REPLACEMENT PROJECTS (continued)**

12. County Building Freight Elevator Replacement

This elevator is original to the building and was installed in 1932. It is used to move chemical drums, large electric motors, and pumps and repair machinery to the sub-basement of the Old County Building. The current elevator has been deemed unrepairable by Otis Elevator and needs to be replaced. The total cost of this project is estimated at \$110,000 and is scheduled to be started and completed in 2015.

13. Lift Station Replacement/Upgrade

The sewage lift station pumps sewage from the Jail, Health Department and Martha T. Berry up to the Mt. Clemens sewage system. This project would allow for the evaluation of the condition of the pit, controls, pumps, etc. and implement any upgrades necessary based upon the evaluation. This project is scheduled for 2014 and 2015 at an estimated cost of \$400,000.

14. Powerhouse Upgrade

Electrical service is delivered to the service center site through two 13.2 KV primary feeders that were installed in 1976. There are also two 2,500 KVA isolation transformers located adjacent to the powerhouse, reducing voltage from 13.2 KV to 4.8 KV. The two 4.8 KV feeders are distributed underground to the primary switchgear in the powerhouse. The primary switchgear is from the late 1950's and early 1960's with additional primary switches installed over the years. This project will replace and/or upgrade switchgear as well as test and replace feeders where necessary. The primary switchgear serves the Jail, Martha T. Berry, Probate Court, Health Department, Juvenile Court, VerKuilen Building, Morgue, Juvenile Justice Center and Emergency Operations Center (old Central Receiving). This project began in 2013 at an estimated cost of \$2,215,000 and is expected to be completed in 2014.

15. Energy Conservation Projects

Funds utilized to focus on projects to save energy such as lighting, temperature controls, sensors, reduction in natural gas and the conservation of water in order to reduce utility costs. A sampling of projects are the installation of additional LED and/or induction light for exterior lighting, continued replacement of T-12 ballasts to T-8 and T-5 in some applications. The County will continue to pursue grant opportunities and apply for rebates, where available. This project began in 2012 and is scheduled to continue over the course of the next four years, at an estimated cost of \$750,000.

**BUILDING REPAIR & REPLACEMENT PROJECTS (continued)**

16. Emergency Sanitary Sewer Diversion Plan

Funding for this project would be utilized to develop and install a diversion plan which would allow a direct connection from the wet well adjacent to the sewage lift station located east of the Jail to the Clinton Township sewer on the north side of Elizabeth to provide an emergency outlet. This sewage would only flow from the wet well to Clinton Township if the force main or pumps, which currently carry sewage into the Mt. Clemens sewer system, is out of service. This diversion plan would prevent the jail basement and boiler equipment room from flooding during emergency conditions. The design phase of this project started in 2012 and the project is scheduled for completion in 2014 at a cost of \$94,500.

17. VerKuijen Building Mechanical Upgrade

The original portion of the building was constructed in the late 1970's. The mechanical system in portions of the original building has been upgraded over the years. This project will upgrade the remaining portion of the original building; replace four rooftop air handlers and change the air distribution system from VVT (Variable Volume Terminal) system to a VAV (Variable Air Volume) system with hot water reheat coils. Heating hot water will be supplied by existing boilers. The system will also be integrated into our Building Management System for better efficiency. This project is scheduled for implementation over the course of four years, beginning in 2013, at an estimated cost of \$886,000.

18. Independence Building Renovations

Various renovations to the interior of the building to begin in 2015 at an estimated cost of \$500,000.

19. Independence Building – Rooftop Units and Condensing Units

The main auditorium and kitchen are climate controlled by an air handling unit located in the boiler room and a condensing unit located adjacent to the rear of the building. This equipment was installed in the early 1980's and is reaching the end of its life expectancy. The outer areas of the facility, such as offices and restrooms, are controlled by rooftop HVAC units. These units were installed with the additions. One unit was replaced last year and the remaining units are in need of replacement. Total cost of the project is estimated at \$300,000

20. Southeast Health HVAC Replacement

The HVAC system, installed in the 1970's, consists of six (6) air handling units, each with a stand alone condenser. The units are out dated and contain R-22 refrigerant, which is being phased out in the industry. Each HVAC unit will be replaced with a rooftop heating/cooling unit. The control system will be replaced with a D.D.C. system integrated into the Building Management System. The project is scheduled for 2016 at a cost of \$600,000

**County of Macomb, Michigan**  
**Five Year Capital Plan – Project Descriptions**  
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**BUILDING REPAIR & REPLACEMENT PROJECTS (continued)**

21. Southeast Health Restroom Renovations

The Southeast Health Center was renovated in the early 1980's. Due to age, the counter surface is faded and/or worn. Renovating these restrooms would allow for incorporating energy and water saving features. Work to occur in 2017 at an estimated cost of \$500,000.

22. Mt Clemens Health Building HVAC Replacement

The HVAC system consists of five (5) air handling units, two (2) dating back to the 1960's and three (3) were installed in the 1984 renovation along with an air conditioning water chiller. Steam is supplied from two (2) boilers in Martha T. Berry via underground lines. The replacement will consist of five (5) rooftop units with heat and A/C, a small hi-efficiency boiler and circulating pump would supply heat to the remaining perimeter heating system. The control system will be replaced with a D.D.C. control system which will be integrated into the Building Management System. The project is scheduled to begin in 2014 at a cost of \$800,000.

23. Animal Shelter HVAC Replacement

The Shelter currently has two rooftop units. One supplies heat and A/C to the office areas and restrooms. The other supplies heat and fresh air to the kennels and several work rooms. This rooftop unit is at the end of its useful life. To conform to applicable codes regarding air changes per hour, the duct work on one unit would be too large for installation. It is recommended to install four smaller RTU's, 100% make-up air with A/C. One of the RTU's would be installed for the garage, which currently has a tube heating system that is old and lacks the proper clearance above the vehicles per current code. The project is scheduled to begin in 2014 at a cost of \$500,000

24. Verkuilen Building Restroom Upgrades

The Verkuilen Building restrooms are for the most part from the original construction in the late 1970's and the addition in the late 1980's. Due to age, the counter surface is faded and/or worn. Renovating these restrooms would allow for incorporating energy and water saving features. Work to occur in 2015 at a cost of \$750,000.

25. Probate Court Deck and Egress Component Replacement

The concrete on the porch deck is showing signs of deterioration where the railing system is attached and requires replacement. The project is scheduled to begin in 2015 at a cost of \$200,000

26. Mechanical Equipment Repairs/Replacement Contingency

These funds would be utilized on an as needed basis to address emergency repairs/replacement of major components of the heating/ventilating and air conditioning systems. A budget of \$100,000 has been established for each year of this plan.

**BUILDING REPAIR & REPLACEMENT PROJECTS (concluded)**

27. Electrical Equipment Repairs/Replacement Contingency

These funds would only be utilized on an as needed basis to address emergency repairs or replacement of major components of the electrical equipment i.e.; transformers, switchgear, etc. A budget of \$100,000 has been established for each year of this plan.

28. Underground Utilities Contingency

These funds would only be utilized on an as needed basis to address emergency repairs that may occur to any of the underground electrical lines, sanitary sewer lines and natural gas lines that are the responsibility of the County. A budget of \$80,000 has been established for each year of this plan.

**ONGOING BUILDING MAINTENANCE PROJECTS**

1. Carpet/Floor Covering Replacement Program

These funds are utilized on an as needed basis based upon the condition of the particular floor covering. Also, as renovations occur, carpet and/or floor covering may be necessary due to the reconfiguration of offices, change of use and/or the inability to patch existing material. A budget of \$300,000 per year has been established for each year included in this plan.

2. Court Building – Exterior Seal

The architectural precast façade on the Court Building began to experience deterioration in 1978. Core samples were removed and analyzed. The laboratory testing confirmed insufficient fine aggregate and entrained air in the precast mix, which results in the precast being susceptible to water intrusion. These funds will be utilized for periodic testing and repair of areas that have deteriorated as well as the periodic application of sealant. A budget of \$650,000 has been established for the years 2014-2018.

3. Parking Lot/Sidewalk Resurfacing

These funds are used as needed to resurface deteriorated areas of parking lots, maintenance, (catch basin repairs), filling cracks to prevent water intrusion, sidewalk repairs, curbing, etc. A budget of \$1,750,000 per year has been established for the years 2014-2018.

4. Parking Structure Maintenance

The Parking Structure was constructed in 1978/1979. A structural examination is conducted annually. The scope of the examination is to inspect the various structural support elements and surfaces within the structure to identify any areas or items where apparent and continuing material deterioration is present to a point where structural support is a concern or could potentially be compromised in the near future. Selective inspections of suspect items as well as selective sounding of representative concrete are also utilized. The upper floors generally experience more of the damaging effects of the wet/dry and freeze/thaw cycles combined with de-icing agent exposure. A budget of \$300,000 per year has been established for the years 2014 and 2015.



**ONGOING BUILDING MAINTENANCE PROJECTS (concluded)**

5. Roofing Program

The roofing systems of all County-owned buildings are inspected on an annual basis to ascertain overall condition and service life. This inspection is of the flashings, perimeter edges, and for signs of blistering, ridging and splits. Based upon the inspections performed, corrective work is performed. A budget of \$1,250,000 has been established for the years 2014-2018.

6. Exterior Envelope Repair (Tuck Pointing)

Periodic inspections are conducted on the exterior surfaces of the building envelope. Based upon the results of the inspection, repairs to the masonry and/or exterior surfaces are necessary. These funds would address any tile field issues, waterproofing, etc., brick replacement work and tuck pointing. A budget of \$2,050,000 has been established for the five years covered in this plan.

7. Hazardous Materials Abatement

Funds will be utilized to pay for the cost of surveying, testing, removal and disposal of hazardous materials discovered as older facilities are repaired or remodeled. A budget of \$1,200,000 has been established for the five years covered by this plan.

8. Miscellaneous Remodeling

The purpose of this project is to cover the expenses of remodeling projects necessitated by a change in the function of the current space, changes in manpower requiring floor plan modifications and/or changes required in order to adapt to changes in the delivery of County services to the public and to improve the general appearance of areas within the County facilities. A budget of \$1,600,000 has been established for the five years of this plan.

**TECHNOLOGY AND EQUIPMENT PROJECTS**

1. Hardware Replacement

Funding will be used to ensure that all end user hardware is no more than 5 years old. This would include PCs, laptops, printers, scanners, sealers, desk phones, thin client devices, and any other new devices that may replace this equipment. The estimated cost of this program is \$1,080,000 over the next five years.

2. Infrastructure Upgrades

Funding will be used to upgrade or replace items such as network servers, switches, routers, and fiber and universal power supply batteries. Funding in the amount of \$4,095,000 over the next five years is provided for in this plan.



## 2014 Capital Improvement Plan *BOC Approach for Discussion and Prioritization*

### **Prioritization Framework**

The following outlines attributes of three levels of priority groupings that will be used to prioritize ongoing maintenance and repair & replacement projects in the five-year capital improvement plan.

- **Immediate Priority**
  - Impacts county operations if not addressed within the year (i.e. no A/C, etc.)
  - Maintenance costs exceeding replacement costs
  - Currently in-progress
  - Results in direct savings to the county
  - Design complete
  - Materials/Equipment already purchased and only labor is required
  - Number of county employees impacted is high
  - Contingencies
  
- **High Priority**
  - Impacts county operations if not addressed within 1 to 3 years
  - Work can be completed in 6 to 8 weeks
  - Design in-progress
  - Safeguards that will lower cost in the long-term
  
- **Priority**
  - Impacts county operations if not addressed within 4 to 5 years
  - Design have not started
  - Aesthetic is primary purpose
  - Waiting on dependencies
  - Number of county employees impacted is low
  
- **Downtown Renovation Project Related**
  - Projects that can be deferred to coincide with the Downtown Renovation project, more specifically the County Building



## 2014 Capital Improvement Plan

### BOC Approach for Discussion and Prioritization

FIVE YEAR CAPITAL IMPROVEMENT PLAN -REPAIR AND REPLACEMENT PROJECTS PRIORITIZATION					
No.	Project Name	Priority Level	Year	Rationale	Modification to 5-Year Plan
2	County Building Chiller Replacement	Downtown Renovation	2016	- coordinate w/ County Building Renovations - if county bldg was operational it would be immediate priority	- shift cost to 2016
3	Old Central Receiving HVAC Rooftop Unit Replacement	High Priority	2016	- Can be implemented in 6-8 weeks - Can be deferred 2 years	
4	Jail - Renovate Max Sec, Old D Block, Rehab	Immediate Priority	2014-2016	- Design on-going - Work in-progress / currently in phases - Time-sensitive due to need of vacating jail	- spread cost b/w 2014-2016
5	Jail - Centrifugal Panel Replacement	Immediate Priority	2014	- A dependency to Jail Renovation Project (No.4)	
6	Jail - Rehab Unit Cold Water Main Replacement	Immediate Priority	2014	- A dependency to Jail Renovation Project (No.4)	
7	Jail - Domestic Hot Water Boiler Replacement	Immediate Priority	2014	- A dependency to Jail Renovation Project (No.4)	
8	Jail - Replace Cold Water Pipe & Booster Pumps in Tower	Immediate Priority	2014	- A dependency to Jail Renovation Project (No.4)	
9	Jail - Cooling Tower Replacement	Immediate Priority	2014	- A dependency to Jail Renovation Project (No.4)	
10	Sheriff Boathouse - Replace furnace & air conditioning	Priority	2018	- Number of impacts to county employees is low (6-7) - Can be deferred 4-5 years	- shift cost to 2017
11	Elevator Modernization - Court/Old County Buildings	Downtown Renovation	2016	- coordinate w/ County Building Renovations - if county bldg was operational it would be immediate priority - Elevator already purchased - Cost mostly associated to labor	- shift cost to 2016
12	County Building - Freight Elevator Replacement	Downtown Renovation	2016	- coordinate w/ County Building Renovations - if county bldg was operational it would be immediate priority	- shift cost to 2016
13	Lift Station Replacement	High Priority	2015-2016	- Construction length = ~4 months - Can be deferred 1-3 years	- shift cost to 2015-2016
14	Powerhouse Upgrade	Immediate Priority	2014	- Design 95% complete - Will impact ALL county employees	
15	Energy Conservation Projects	Immediate Priority	2014-2017	- Will result in direct savings to the county - Funds have already been dedicated to this work - Currently in-progress	
16	Emergency Sanitation Diversion Plan	High Priority	2015	- Design almost complete - Dependent on agreement w/ Clinton Twp - Safeguards that will be long-term cost savings	- shift to 2015
17	Verkuilen Building - Mechanical Upgrade	High Priority	2014-2016	- Work in-progress - Number of county employees impacted is high - Number of constituents impacted is high	
18	Independence Building Renovations	Priority	2017, 2018	- Aesthetic - May generate revenue for county	- shift to 2017 or 2018
19	Independence Building - Roof-Top Units and Condensing Units	Priority	2017, 2018	- Dependent of contractual obligation w/ Hillside - Current use is sparse - Number of county employees impacted is low	- shift to 2017 or 2018
20	Southeast Health HVAC Replacement	High Priority	2016	- Current HVAC still working so can be deferred 1-3 years	
21	Southeast Health Restroom Upgrades	Priority	2017, 2018	- Aesthetic	- shift to 2017 or 2018
22	Mt Clemens Health Building HVAC Replacement	Immediate Priority	2014	- Maintenance costs exceeding replacement cost - Beyond useful life - Number of county employees impacted is high	
23	Animal Shelter HVAC Renovation	Immediate Priority	2014	- Design Complete - Air quality for pets and county employees impacted - Can be completed in 3-6 months	
24	Verkuilen Building Restroom Upgrades	Priority	2017, 2018	- Aesthetic - Impacts to county constituents is high	- shift to 2017 or 2018
25	Probate Court Deck and Egress Component Replacement	Downtown Renovation	2016-2017	- Aesthetic - May not be necessary once downtown renovation is completed since this building will be vacated and employees moved to County Building / Court Building	
26	Mechanical Equipment Contingency	Immediate Priority	2014-2018	- Contingencies	
27	Electrical Equipment Contingency	Immediate Priority	2014-2018	- Contingencies	
28	Underground Utilities Contingency	Immediate Priority	2014-2018	- Contingencies	

# CASH PAID FOR ALL PROJECTS INCLUDING DOWNTOWN PROJECT

Macomb County, Michigan  
 General Fund Projection - No New Debt Issued, Budgeted Spending  
 2013-2023

	A	B	C	D	E	G	H	I	J	K	L	M
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Actual	Projected	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Taxes	\$ 108,830,817	\$ 107,636,589	\$ 108,454,065	\$ 110,071,876	\$ 110,713,954	\$ 113,466,803	\$ 116,288,473	\$ 119,180,685	\$ 122,145,202	\$ 125,183,832	\$ 128,298,428	\$ 131,490,889
Licenses & Permits	1,510,367	1,695,309	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240
Fines & Forfeitures	692,787	715,689	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800
Federal Revenue	1,788,773	111,854	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000
State Revenue	26,666,654	21,640,323	23,212,210	23,631,210	24,062,260	24,366,739	24,677,042	24,993,283	25,315,578	25,644,046	25,978,808	26,319,985
Interest and Rents	346,173	363,720	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000
Charges for Services	27,262,835	29,280,433	28,462,297	28,462,297	28,619,941	28,779,949	28,942,358	29,162,152	29,386,341	29,615,014	29,848,260	30,086,172
Other Revenue	218,259	210,828	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290
Contrib From Other Funds	20,190,425	10,951,750	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000
Reimbursements	7,131,346	7,024,708	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763
Cost Allocation Plan	6,568,922	7,882,080	8,424,124	8,592,605	8,764,457	8,939,745	9,118,539	9,300,910	9,486,929	9,676,668	9,870,203	10,067,607
<b>Total Revenues</b>	<b>201,207,358</b>	<b>187,513,283</b>	<b>192,076,789</b>	<b>194,282,081</b>	<b>195,684,705</b>	<b>199,077,329</b>	<b>202,550,505</b>	<b>206,161,123</b>	<b>209,858,143</b>	<b>213,643,653</b>	<b>217,519,792</b>	<b>221,488,746</b>
Salaries and Wages	71,508,701	78,993,749	74,892,007	80,386,901	80,386,901	82,045,187	83,256,146	84,985,270	86,658,684	88,365,567	90,106,588	91,882,429
Employee Health/Dental/Life	16,143,340	15,183,908	15,665,190	17,619,270	18,323,065	18,872,025	19,437,455	20,019,847	20,619,711	21,237,571	21,873,966	22,529,454
Pension Contribution	8,358,192	11,849,062	14,056,770	12,058,035	12,058,035	12,306,778	12,488,422	12,747,791	8,665,868	8,836,557	9,010,659	9,188,243
Retiree Health Care - Current Costs	7,644,842	8,494,345	10,157,468	10,970,065	11,847,670	12,795,484	13,307,303	13,839,595	14,393,179	14,968,906	15,567,662	16,190,368
<b>Retiree Health Care - Unfunded Liab</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>4,332,934</b>	<b>4,418,278</b>	<b>4,505,329</b>	<b>4,594,121</b>
Other Fringe Benefits	7,587,233	7,670,814	7,088,210	8,727,413	8,727,413	8,904,021	9,032,987	9,217,139	9,395,358	9,577,141	9,762,560	9,951,687
Non-Salary Compensation	18,474	2,843	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050
Operating Expenses	23,913,937	21,593,423	25,209,946	25,616,709	26,031,609	26,454,800	26,886,452	27,326,742	27,775,838	28,233,920	28,701,160	29,177,745
Contract Services	6,346,977	6,473,075	8,298,923	8,464,902	8,634,200	8,806,883	8,983,021	9,162,681	9,345,934	9,532,852	9,723,511	9,917,982
Internal Service Costs	4,143,417	4,744,099	4,859,529	4,956,720	5,055,856	5,156,973	5,260,112	5,365,315	5,472,622	5,582,075	5,693,716	5,807,591
Transfers Out - Special Revenue Funds	25,275,727	23,374,199	24,883,501	25,368,173	25,862,405	26,866,393	26,880,327	27,904,407	27,938,832	28,983,809	29,039,549	30,106,261
<b>Transfers Out - Capital Improvement Fund</b>	<b>-</b>	<b>-</b>	<b>10,000,000</b>	<b>15,000,000</b>	<b>24,000,000</b>	<b>26,000,000</b>	<b>5,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>
<b>Transfers Out - Debt Service Fund</b>	<b>6,880,279</b>	<b>5,858,050</b>	<b>4,749,017</b>	<b>5,254,029</b>	<b>5,266,254</b>	<b>5,519,558</b>	<b>5,500,117</b>	<b>5,583,656</b>	<b>4,915,960</b>	<b>4,762,434</b>	<b>4,599,463</b>	<b>2,216,468</b>
Capital Outlay	703,317	808,703	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555
<b>Total Expenditures</b>	<b>178,524,436</b>	<b>185,046,270</b>	<b>201,846,166</b>	<b>216,407,822</b>	<b>228,179,013</b>	<b>239,713,707</b>	<b>222,017,947</b>	<b>224,138,048</b>	<b>223,500,525</b>	<b>228,484,715</b>	<b>232,569,768</b>	<b>235,547,954</b>
Net Income (Loss)	22,682,922	2,467,013	(9,769,377)	(22,125,741)	(32,494,308)	(40,636,378)	(19,467,442)	(17,976,925)	(13,642,382)	(14,841,062)	(15,049,976)	(14,059,208)
Fund Balance, Beg of Year	57,934,473	80,617,395	83,084,408	73,315,031	51,189,290	18,684,982	(21,941,396)	(41,408,838)	(59,385,763)	(73,028,145)	(87,869,207)	(102,919,183)
<b>Fund Balance, End of Year</b>	<b>\$ 80,617,395</b>	<b>\$ 83,084,408</b>	<b>\$ 73,315,031</b>	<b>\$ 51,189,290</b>	<b>\$ 18,694,982</b>	<b>\$ (21,941,396)</b>	<b>\$ (41,408,838)</b>	<b>\$ (59,385,763)</b>	<b>\$ (73,028,145)</b>	<b>\$ (87,869,207)</b>	<b>\$ (102,919,183)</b>	<b>\$ (116,978,391)</b>
<b>Fund Balance as % of Expenditures</b>	<b>45.16%</b>	<b>44.90%</b>	<b>36.32%</b>	<b>23.65%</b>	<b>8.19%</b>	<b>-9.15%</b>	<b>-18.65%</b>	<b>-26.50%</b>	<b>-32.67%</b>	<b>-38.46%</b>	<b>-44.25%</b>	<b>-49.66%</b>

CASH PAID FOR ALL PROJECTS INCLUDING DOWNTOWN PROJECT

Macomb County, Michigan  
 General Fund Projection - No New Debt Issued, Budgeted Spending  
 2013-2023

	A	B	C	D	E	G	H	I	J	K	L	M
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Actual	Projected	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Rev sharing increase		0.00%	0.00%	1.50%	1.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Prop tax increase			3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Liquor tax increase			1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Road patrol/dispatch rev increase			0.00%	0.00%	0.00%	1.50%	1.50%	1.50%	2.00%	2.00%	2.00%	2.00%
Wage increase			0.00%	0.00%	0.00%	1.50%	1.50%	1.50%	2.00%	2.00%	2.00%	2.00%
Pension rate		15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	10.00%	10.00%	10.00%	10.00%
Work comp rate			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Health care increase			4.00%	4.00%	4.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Retiree health care increase			8.00%	8.00%	8.00%	8.00%	8.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Retiree health DC contribution					2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Retiree health unfunded liability		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%
# of Emp Hired > 01/01/2016					173	252	334	409	478	548	612	662
Comp abs rate			1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Operating expense inflation			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
New judge expense	-	-	-	-	-	1,000,000	-	500,000	-	-	-	-
Contrib to other funds increase			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

MACOMB COUNTY, MICHIGAN  
FIVE YEAR CAPITAL PLAN  
2014 - 2018

## SCHEDULE I - PROJECTS

DESCRIPTION	Anticipated Cost	Status			Funding Requirements				
		PY Spent	Unfunded	Current Plan	2014	2015	2016	2017	2018
<b>DOWNTOWN REVITALIZATION PROJECT</b>	<b>34,000,000</b>	-	-	<b>34,000,000</b>	<b>2,000,000</b>	<b>16,000,000</b>	<b>16,000,000</b>	-	-
<b>REPAIR AND REPLACEMENT PROJECTS</b>									
1 Parking Structure	25,000,000	-	-	25,000,000	-	-	-	25,000,000	-
2 County Building Chiller Replacement	400,000	-	-	400,000	-	-	400,000	-	-
3 Old Central Receiving HVAC Rooftop Unit Replacement	200,000	-	-	200,000	-	-	200,000	-	-
4 Jail - Renovate Max Sec, Old D Block, Rehab	5,700,000	1,352,400	-	4,347,600	1,000,000	1,000,000	2,347,600	-	-
5 Jail - Centrifugal Panel Replacement	80,000	-	-	80,000	80,000	-	-	-	-
6 Jail - Rehab Unit Cold Water Main Replacement	400,000	-	-	400,000	-	400,000	-	-	-
7 Jail - Domestic Hot Water Boiler Replacement	400,000	-	-	400,000	400,000	-	-	-	-
8 Jail - Replace Cold Water Pipe & Booster Pumps in Tower	1,500,000	-	-	1,500,000	1,500,000	-	-	-	-
9 Jail - Cooling Tower Replacement	175,000	-	-	175,000	175,000	-	-	-	-
10 Sheriff Boathouse - Replace furnace & air conditioning	150,000	-	-	150,000	-	-	-	150,000	-
11 Elevator Modernization - Court/Old County Buildings	1,251,233	972,558	-	278,675	-	-	278,675	-	-
12 County Building - Freight Elevator Replacement	110,000	-	-	110,000	-	-	110,000	-	-
13 Lift Station Replacement	400,000	-	-	400,000	-	150,000	250,000	-	-
14 Powerhouse Upgrade	2,215,970	115,970	-	2,100,000	2,100,000	-	-	-	-
15 Energy Conservation Projects	750,000	78,444	-	671,556	250,000	200,000	150,000	71,556	-
16 Emergency Sanitation Diversion Plan	94,581	4,581	-	90,000	-	90,000	-	-	-
17 Verkuilen Building - Mechanical Upgrade	886,480	240,430	-	646,050	250,000	250,000	146,050	-	-
18 Independence Building Renovations	500,000	-	-	500,000	-	-	-	500,000	-
19 Independence Building - Roof-Top Units and Condensing Unit	300,000	-	-	300,000	-	-	-	300,000	-
20 Southeast Health HVAC Replacement	600,000	-	-	600,000	-	-	600,000	-	-
21 Southeast Health Restroom Upgrades	500,000	-	-	500,000	-	-	-	500,000	-
22 Mt Clemens Health Building HVAC Replacement	800,000	-	-	800,000	800,000	-	-	-	-
23 Animal Shelter HVAC Renovation	500,000	-	-	500,000	500,000	-	-	-	-
24 Verkuilen Building Restroom Upgrades	750,000	-	-	750,000	-	-	-	750,000	-
25 Probate Court Deck and Egress Component Replacement	200,000	-	-	200,000	-	100,000	100,000	-	-
26 Mechanical Equipment Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
27 Electrical Equipment Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
28 Underground Utilities Contingency	400,000	-	-	400,000	80,000	80,000	80,000	80,000	80,000
	<b>45,263,264</b>	<b>2,764,383</b>	<b>-</b>	<b>42,498,881</b>	<b>7,335,000</b>	<b>2,470,000</b>	<b>4,862,325</b>	<b>27,561,556</b>	<b>280,000</b>
<b>ONGOING MAINTENANCE PROJECTS</b>									
1 Carpeting/Floor Covering	1,500,000	-	-	1,500,000	300,000	300,000	300,000	300,000	300,000
2 Court Building - Exterior Seal	650,000	-	-	650,000	250,000	-	200,000	-	200,000
3 Parking Lot Resurfacing	1,750,000	-	-	1,750,000	700,000	300,000	250,000	250,000	250,000
4 Parking Structure Maintenance	600,000	-	-	600,000	300,000	300,000	-	-	-
5 Roofing Maintenance	1,250,000	-	-	1,250,000	400,000	250,000	200,000	200,000	200,000
6 Tuckpointing	2,050,000	-	-	2,050,000	750,000	400,000	300,000	300,000	300,000
7 Hazardous Materials Abatement	1,200,000	-	-	1,200,000	300,000	300,000	200,000	200,000	200,000
8 Miscellaneous Remodeling	1,600,000	-	-	1,600,000	400,000	300,000	300,000	300,000	300,000
	<b>10,600,000</b>	<b>-</b>	<b>-</b>	<b>10,600,000</b>	<b>3,400,000</b>	<b>2,150,000</b>	<b>1,750,000</b>	<b>1,550,000</b>	<b>1,750,000</b>
<b>TECHNOLOGY &amp; EQUIPMENT PROJECTS</b>									
1 Hardware Replacement	1,080,000	-	-	1,080,000	190,000	290,000	200,000	200,000	200,000
2 Infrastructure Upgrades (storage, backup power, etc)	4,095,000	-	-	4,095,000	1,825,000	675,000	325,000	595,000	675,000
3 Upgrade/Replacement	4,144,000	-	-	4,144,000	1,384,000	815,000	815,000	565,000	565,000
4 Projects	5,501,456	-	-	5,501,456	3,798,456	743,000	370,000	305,000	285,000
5 Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
	<b>15,320,456</b>	<b>-</b>	<b>-</b>	<b>15,320,456</b>	<b>7,297,456</b>	<b>2,623,000</b>	<b>1,810,000</b>	<b>1,765,000</b>	<b>1,825,000</b>
<b>Grand Total</b>	<b>\$ 105,183,720</b>	<b>\$ 2,764,383</b>	<b>\$ -</b>	<b>\$ 102,419,337</b>	<b>\$ 20,032,456</b>	<b>\$ 23,243,000</b>	<b>\$ 24,422,325</b>	<b>\$ 30,866,556</b>	<b>\$ 3,855,000</b>

## SCHEDULE II - FUNDING SOURCES

	Year				
	2014	2015	2016	2017	2018
Fund Balance Forward From Prior Year	\$ 15,000,000	\$ 15,247,544	\$ 7,004,544	\$ 6,732,219	\$ 1,865,663
Insurance proceeds	10,000,000	-	-	-	-
State and Federal Funds (Animal Shelter)	-	-	150,000	-	-
Delinquent Tax Fund Contribution	280,000	-	-	-	-
General Fund Contribution	10,000,000	15,000,000	24,000,000	26,000,000	5,000,000
Total Funding Available	35,280,000	30,247,544	31,154,544	32,732,219	6,865,663
Less: Current Year Projects	(20,032,456)	(23,243,000)	(24,422,325)	(30,866,556)	(3,855,000)
<b>Balance Forward to Subsequent Year</b>	<b>\$ 15,247,544</b>	<b>\$ 7,004,544</b>	<b>\$ 6,732,219</b>	<b>\$ 1,865,663</b>	<b>\$ 3,010,663</b>

**\$25 MILLION BOND ISSUE FOR DOWNTOWN PROJECT, CASH FOR ALL OTHER PROJECTS**

**Macomb County, Michigan  
General Fund Projection - Budgeted Spending And New Debt  
2013-2023**

	A	B	C	D	E	G	H	I	J	K	L	M
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Actual	Projected	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Taxes	\$ 108,830,817	\$ 107,636,589	\$ 108,454,065	\$ 110,071,876	\$ 110,713,954	\$ 113,466,803	\$ 116,288,473	\$ 119,180,685	\$ 122,145,202	\$ 125,183,832	\$ 128,298,428	\$ 131,490,889
Licenses & Permits	1,510,367	1,695,309	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240	1,525,240
Fines & Forfeitures	692,787	715,689	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800	678,800
Federal Revenue	1,788,773	111,854	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000	2,586,000
State Revenue	26,666,654	21,640,323	23,212,210	23,631,210	24,062,260	24,366,739	24,677,042	24,993,283	25,315,578	25,644,046	25,978,808	26,319,985
Interest and Rents	346,173	363,720	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000
Charges for Services	27,262,835	29,280,433	28,462,297	28,462,297	28,619,941	28,779,949	28,942,358	29,162,152	29,386,341	29,615,014	29,848,260	30,086,172
Other Revenue	218,259	210,828	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290	123,290
Contrib From Other Funds	20,190,425	10,951,750	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000	10,725,000
Reimbursements	7,131,346	7,024,708	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763	7,560,763
Cost Allocation Plan	6,568,922	7,882,080	8,424,124	8,592,605	8,764,457	8,939,745	9,118,539	9,300,910	9,486,929	9,676,668	9,870,203	10,067,607
<b>Total Revenues</b>	<b>201,207,358</b>	<b>187,513,283</b>	<b>192,076,789</b>	<b>194,282,081</b>	<b>195,684,705</b>	<b>199,077,329</b>	<b>202,550,505</b>	<b>206,161,123</b>	<b>209,858,143</b>	<b>213,643,653</b>	<b>217,519,792</b>	<b>221,488,746</b>
Salaries and Wages	71,508,701	78,993,749	74,892,007	80,386,901	80,386,901	82,045,187	83,256,146	84,985,270	86,658,684	88,365,567	90,106,588	91,882,429
Employee Health/Dental/Life	16,143,340	15,183,908	15,665,190	17,619,270	18,323,065	18,872,025	19,437,455	20,019,847	20,619,711	21,237,571	21,873,966	22,529,454
Pension Contribution	8,358,192	11,849,062	14,056,770	12,058,035	12,058,035	12,306,778	12,488,422	12,747,791	8,665,868	8,836,557	9,010,659	9,188,243
Retiree Health Care - Current Costs	7,644,842	8,494,345	10,157,468	10,970,065	11,847,670	12,795,484	13,307,303	13,839,595	14,393,179	14,968,906	15,567,662	16,190,368
<b>Retiree Health Care - Unfunded Liab</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>4,332,934</b>	<b>4,418,278</b>	<b>4,505,329</b>	<b>4,594,121</b>
Other Fringe Benefits	7,587,233	7,670,814	7,088,210	8,736,213	8,727,413	8,904,021	9,032,987	9,217,139	9,395,358	9,577,141	9,762,560	9,951,687
Non-Salary Compensation	18,474	2,843	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050	25,050
Operating Expenses	23,913,937	21,593,423	25,209,946	25,616,709	26,031,609	26,454,800	26,886,452	27,326,742	27,775,838	28,233,920	28,701,160	29,177,745
Contract Services	6,346,977	6,473,075	8,298,923	8,464,902	8,634,200	8,806,883	8,983,021	9,162,681	9,345,934	9,532,852	9,723,511	9,917,982
Internal Service Costs	4,143,417	4,744,099	4,859,529	4,956,720	5,055,856	5,156,973	5,260,112	5,365,315	5,472,622	5,582,075	5,693,716	5,807,591
Transfers Out - Special Revenue Funds	25,275,727	23,374,199	24,883,501	25,368,173	25,862,405	26,866,393	26,880,327	27,904,407	27,938,832	28,983,809	29,039,549	30,106,261
<b>Transfers Out - Capital Improvement Fund</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20,000,000</b>	<b>4,000,000</b>	<b>26,000,000</b>	<b>5,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>
<b>Transfers Out - Debt Service Funds</b>	<b>6,880,279</b>	<b>5,858,050</b>	<b>4,749,017</b>	<b>6,621,154</b>	<b>6,623,379</b>	<b>6,866,683</b>	<b>6,837,242</b>	<b>7,529,531</b>	<b>6,854,085</b>	<b>6,712,309</b>	<b>6,547,588</b>	<b>4,157,749</b>
Capital Outlay	703,317	808,703	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555	1,960,555
<b>Total Expenditures</b>	<b>178,524,436</b>	<b>185,046,270</b>	<b>191,846,166</b>	<b>222,783,747</b>	<b>209,536,138</b>	<b>241,060,832</b>	<b>223,355,072</b>	<b>226,083,923</b>	<b>225,438,650</b>	<b>230,434,590</b>	<b>234,517,893</b>	<b>237,489,235</b>
Net Income (Loss)	22,682,922	2,467,013	230,623	(28,501,666)	(13,851,433)	(41,983,503)	(20,804,567)	(19,922,800)	(15,580,507)	(16,790,937)	(16,998,101)	(16,000,489)
Fund Balance, Beg of Year	57,934,473	80,617,395	83,084,408	83,315,031	54,813,365	40,961,932	(1,021,571)	(21,826,138)	(41,748,938)	(57,329,445)	(74,120,382)	(91,118,483)
<b>Fund Balance, End of Year</b>	<b>\$ 80,617,395</b>	<b>\$ 83,084,408</b>	<b>\$ 83,315,031</b>	<b>\$ 54,813,365</b>	<b>\$ 40,961,932</b>	<b>\$ (1,021,571)</b>	<b>\$ (21,826,138)</b>	<b>\$ (41,748,938)</b>	<b>\$ (57,329,445)</b>	<b>\$ (74,120,382)</b>	<b>\$ (91,118,483)</b>	<b>\$ (107,118,972)</b>
<b>Fund Balance as % of Expenditures</b>	<b>45.16%</b>	<b>44.90%</b>	<b>43.43%</b>	<b>24.60%</b>	<b>19.55%</b>	<b>-0.42%</b>	<b>-9.77%</b>	<b>-18.47%</b>	<b>-25.43%</b>	<b>-32.17%</b>	<b>-38.85%</b>	<b>-45.10%</b>

**\$25 MILLION BOND ISSUE FOR DOWNTOWN PROJECT, CASH FOR ALL OTHER PROJECTS**

**Macomb County, Michigan  
General Fund Projection - Budgeted Spending And New Debt  
2013-2023**

	A	B	C	D	E	G	H	I	J	K	L	M
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Actual	Projected	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Rev sharing increase		0.00%	0.00%	1.50%	1.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Prop tax increase			3.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Liquor tax increase			1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Road patrol/dispatch rev increase			0.00%	0.00%	0.00%	1.50%	1.50%	1.50%	2.00%	2.00%	2.00%	2.00%
Wage increase			0.00%	0.00%	0.00%	1.50%	1.50%	1.50%	2.00%	2.00%	2.00%	2.00%
Pension rate		15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	10.00%	10.00%	10.00%	10.00%
Work comp rate			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Health care increase			4.00%	4.00%	4.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Retiree health care increase			8.00%	8.00%	8.00%	8.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Retiree health DC contribution					2,600	2,600	2,600	2,600	2,800	2,600	2,600	2,600
Retiree health unfunded liability		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%
# of Emp Hired > 01/01/2016					173	252	334	409	478	548	612	662
Comp abs rate			1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Operating expense inflation			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
New judge expense	-	-	-	-	-	1,000,000	-	500,000	-	-	-	-
Contrib to other funds increase			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%



**MACOMB COUNTY, MICHIGAN  
FIVE YEAR CAPITAL PLAN  
2014 - 2018**

**SCHEDULE I - PROJECTS**

DESCRIPTION	Anticipated Cost	Status			Funding Requirements				
		PY Spent	Unfunded	Current Plan	2014	2015	2016	2017	2018
<b>DOWNTOWN REVITALIZATION PROJECT</b>	<b>34,000,000</b>	-	-	<b>34,000,000</b>	<b>2,000,000</b>	<b>16,000,000</b>	<b>16,000,000</b>	-	-
<b>REPAIR AND REPLACEMENT PROJECTS</b>									
1 Parking Structure	25,000,000	-	-	25,000,000	-	-	-	25,000,000	-
2 County Building Chiller Replacement	400,000	-	-	400,000	-	-	400,000	-	-
3 Old Central Receiving HVAC Rooftop Unit Replacement	200,000	-	-	200,000	-	-	200,000	-	-
4 Jail - Renovate Max Sec, Old D Block, Rehab	5,700,000	1,352,400	-	4,347,600	1,000,000	1,000,000	2,347,600	-	-
5 Jail - Centrifugal Panel Replacement	80,000	-	-	80,000	80,000	-	-	-	-
6 Jail - Rehab Unit Cold Water Main Replacement	400,000	-	-	400,000	-	400,000	-	-	-
7 Jail - Domestic Hot Water Boiler Replacement	400,000	-	-	400,000	400,000	-	-	-	-
8 Jail - Replace Cold Water Pipe & Booster Pumps in Tower	1,500,000	-	-	1,500,000	1,500,000	-	-	-	-
9 Jail - Cooling Tower Replacement	175,000	-	-	175,000	175,000	-	-	-	-
10 Sheriff Boathouse - Replace furnace & air conditioning	150,000	-	-	150,000	-	-	-	150,000	-
11 Elevator Modernization - Court/Old County Buildings	1,251,233	972,558	-	278,675	-	-	278,675	-	-
12 County Building - Freight Elevator Replacement	110,000	-	-	110,000	-	-	110,000	-	-
13 Lift Station Replacement	400,000	-	-	400,000	-	150,000	250,000	-	-
14 Powerhouse Upgrade	2,215,970	115,970	-	2,100,000	2,100,000	-	-	-	-
15 Energy Conservation Projects	750,000	78,444	-	671,556	250,000	200,000	150,000	71,556	-
16 Emergency Sanitation Diversion Plan	94,581	4,581	-	90,000	-	90,000	-	-	-
17 Verkuilen Building - Mechanical Upgrade	886,480	240,430	-	646,050	250,000	250,000	146,050	-	-
18 Independence Building Renovations	500,000	-	-	500,000	-	-	-	500,000	-
19 Independence Building - Roof-Top Units and Condensing Unit	300,000	-	-	300,000	-	-	-	300,000	-
20 Southeast Health HVAC Replacement	600,000	-	-	600,000	-	-	600,000	-	-
21 Southeast Health Restroom Upgrades	500,000	-	-	500,000	-	-	-	500,000	-
22 Mt Clemens Health Building HVAC Replacement	800,000	-	-	800,000	800,000	-	-	-	-
23 Animal Shelter HVAC Renovation	500,000	-	-	500,000	500,000	-	-	-	-
24 Verkuilen Building Restroom Upgrades	750,000	-	-	750,000	-	-	-	750,000	-
25 Probate Court Deck and Egress Component Replacement	200,000	-	-	200,000	-	100,000	100,000	-	-
26 Mechanical Equipment Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
27 Electrical Equipment Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
28 Underground Utilities Contingency	400,000	-	-	400,000	80,000	80,000	80,000	80,000	80,000
	<b>46,263,264</b>	<b>2,764,383</b>	-	<b>42,498,881</b>	<b>7,335,000</b>	<b>2,470,000</b>	<b>4,862,325</b>	<b>27,551,556</b>	<b>280,000</b>
<b>ONGOING MAINTENANCE PROJECTS</b>									
1 Carpeting/Floor Covering	1,500,000	-	-	1,500,000	300,000	300,000	300,000	300,000	300,000
2 Court Building - Exterior Seal	650,000	-	-	650,000	250,000	-	200,000	-	200,000
3 Parking Lot Resurfacing	1,750,000	-	-	1,750,000	700,000	300,000	250,000	250,000	250,000
4 Parking Structure Maintenance	600,000	-	-	600,000	300,000	300,000	-	-	-
5 Roofing Maintenance	1,250,000	-	-	1,250,000	400,000	250,000	200,000	200,000	200,000
6 Tuckpointing	2,050,000	-	-	2,050,000	750,000	400,000	300,000	300,000	300,000
7 Hazardous Materials Abatement	1,200,000	-	-	1,200,000	300,000	300,000	200,000	200,000	200,000
8 Miscellaneous Remodeling	1,800,000	-	-	1,800,000	400,000	300,000	300,000	300,000	300,000
	<b>10,600,000</b>	-	-	<b>10,600,000</b>	<b>3,400,000</b>	<b>2,150,000</b>	<b>1,750,000</b>	<b>1,550,000</b>	<b>1,750,000</b>
<b>TECHNOLOGY &amp; EQUIPMENT PROJECTS</b>									
1 Hardware Replacement	1,080,000	-	-	1,080,000	190,000	290,000	200,000	200,000	200,000
2 Infrastructure Upgrades (storage, backup power, etc)	4,095,000	-	-	4,095,000	1,825,000	675,000	325,000	595,000	675,000
3 Upgrade/Replacement	4,144,000	-	-	4,144,000	1,384,000	815,000	815,000	565,000	565,000
4 Projects	5,501,456	-	-	5,501,456	3,798,456	743,000	370,000	305,000	285,000
5 Contingency	500,000	-	-	500,000	100,000	100,000	100,000	100,000	100,000
	<b>15,320,456</b>	-	-	<b>15,320,456</b>	<b>7,297,456</b>	<b>2,623,000</b>	<b>1,810,000</b>	<b>1,765,000</b>	<b>1,825,000</b>
<b>Grand Total</b>	<b>\$106,183,720</b>	<b>\$2,764,383</b>	<b>\$-</b>	<b>\$102,419,337</b>	<b>\$20,032,456</b>	<b>\$23,243,000</b>	<b>\$24,422,325</b>	<b>\$30,866,556</b>	<b>\$3,855,000</b>

**SCHEDULE II - FUNDING SOURCES**

	Year				
	2014	2015	2016	2017	2018
Fund Balance Forward From Prior Year	\$ 15,000,000	\$ 30,247,544	\$ 27,004,544	\$ 6,732,219	\$ 1,865,663
Bond proceeds	25,000,000	-	-	-	-
Insurance proceeds	10,000,000	-	-	-	-
State and Federal Funds (Animal Shelter)	-	-	150,000	-	-
Delinquent Tax Fund Contribution	280,000	-	-	-	-
General Fund Contribution	-	20,000,000	4,000,000	26,000,000	5,000,000
<b>Total Funding Available</b>	<b>50,280,000</b>	<b>50,247,544</b>	<b>31,154,544</b>	<b>32,732,219</b>	<b>6,865,663</b>
Less: Current Year Projects	(20,032,456)	(23,243,000)	(24,422,325)	(30,866,556)	(3,855,000)
<b>Balance Forward to Subsequent Year</b>	<b>\$ 30,247,544</b>	<b>\$ 27,004,544</b>	<b>\$ 6,732,219</b>	<b>\$ 1,865,663</b>	<b>\$ 3,010,663</b>