

Macomb County Department of Roads  
2022-2023 Budget

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Bryan E. Santo, P.E., Director of Roads



**Mark A. Hackel**  
County Executive

October 1, 2022  
through  
September 30, 2023



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



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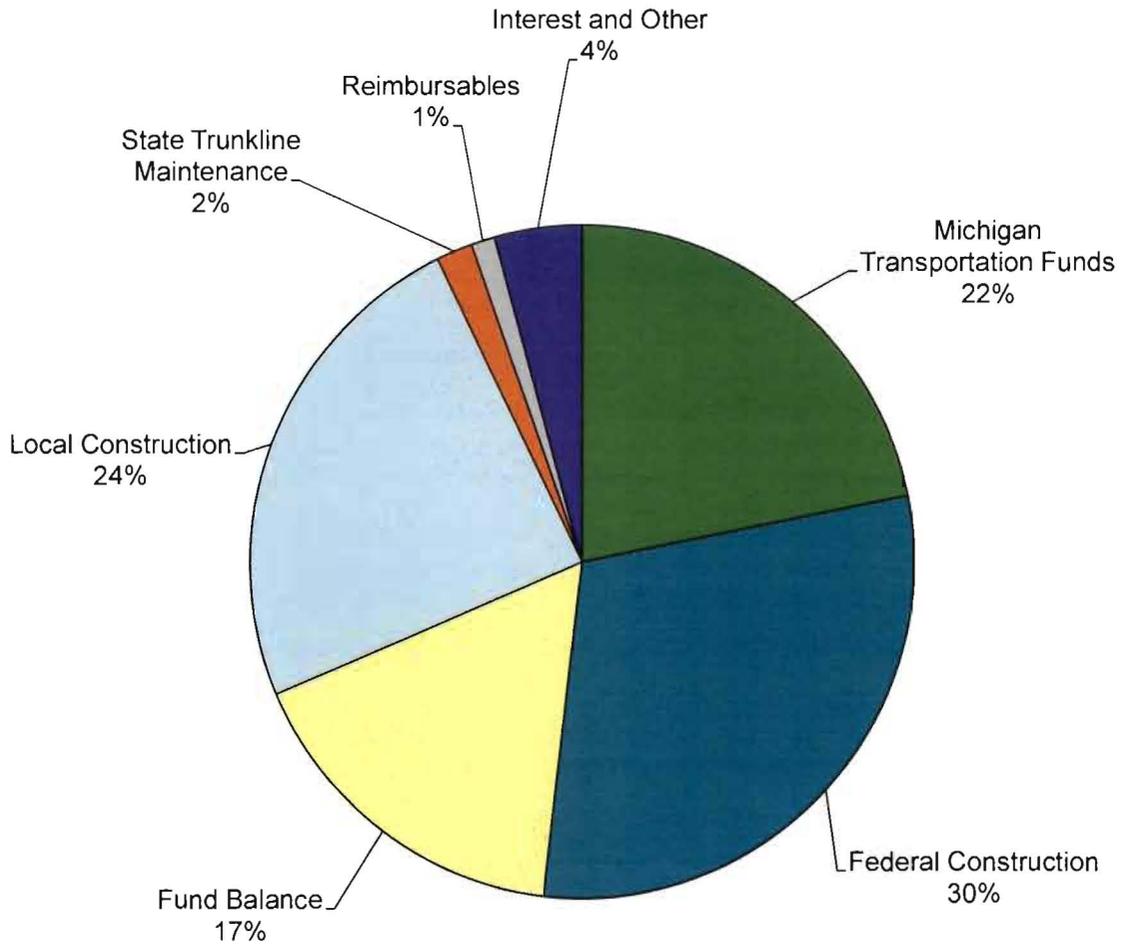
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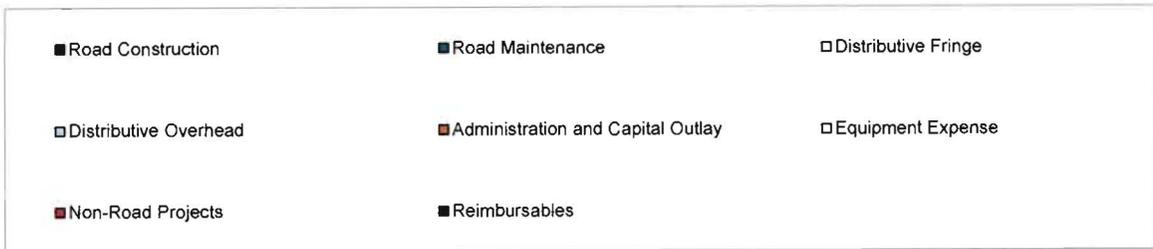
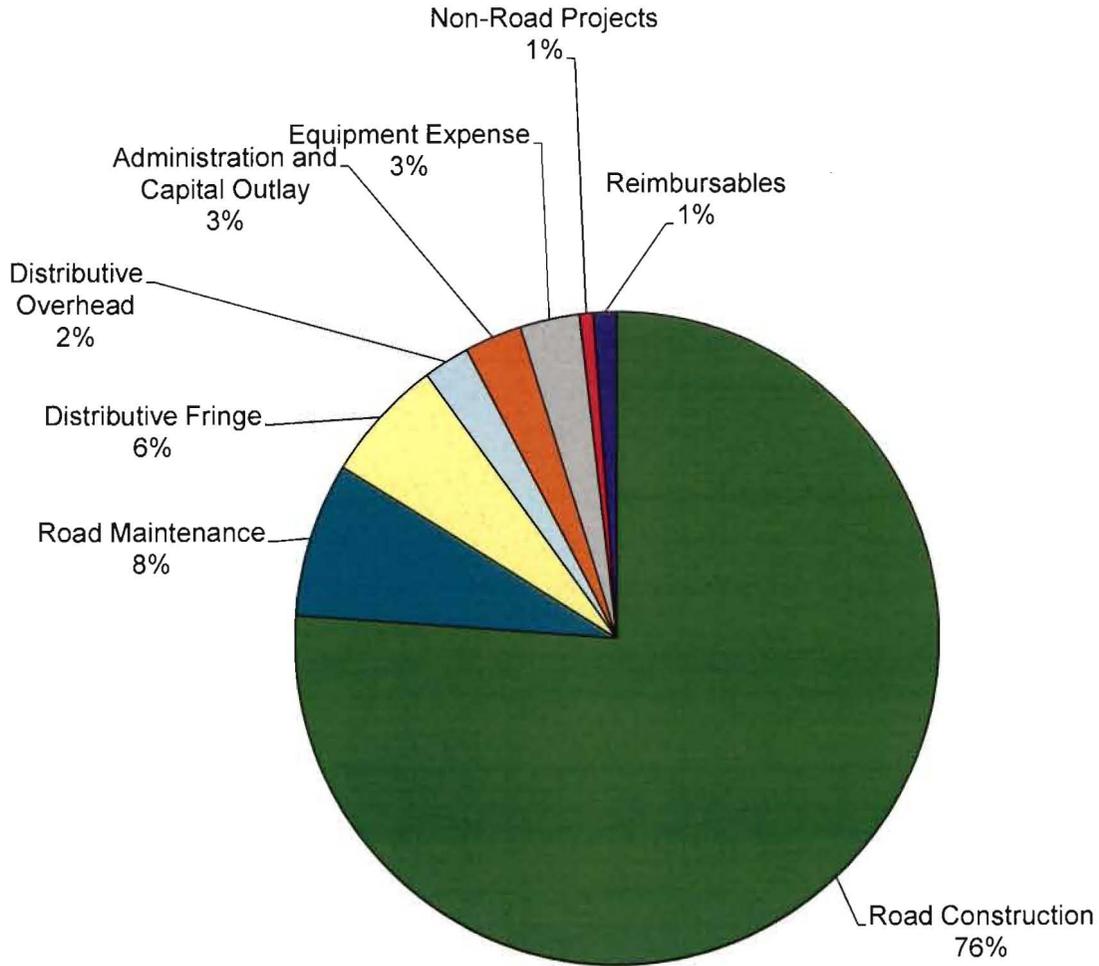
## 2022/2023 Budgeted Revenues by Category



■ Michigan Transportation Funds	■ Federal Construction	□ Fund Balance
□ Local Construction	■ State Trunkline Maintenance	□ Reimbursables
■ Interest and Other		



## 2022/2023 Budgeted Expenditures by Category





# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## GENERAL APPROPRIATIONS ACT

BE IT RESOLVED, that revenues for the fiscal year commencing October 1, 2022 and ending September 30, 2023 are hereby appropriated by account consistent with the Uniform Chart of Accounts prescribed by the Department of Treasury, as follows:

Account No.	Description	2020/2021 Actual	2021/2022 Original Budget	2022/2023 Original Budget
490.000	Permit Fees	\$697,321	\$571,000	\$596,000
491.000	Tap-in Fees	375	1,200	1,200
493.000	Cab Card Fees	69,900	60,000	65,000
494.000	Review for Site Plan Fee	21,100	20,000	20,000
510.000	Grants	4,272,005	0	0
511.000	Federal Construction Projects	21,732,160	85,950,930	103,193,860
546.000	Michigan Transportation Fund	72,503,919	75,377,200	78,209,000
546.000	Build Michigan Fund	1,587,779	1,562,800	1,491,000
547.000	Local Bridge Fund	1,430,247	2,980,031	6,278,939
583.001	Cities	6,375,502	34,524,268	63,622,732
583.004	Townships	5,352,647	28,107,909	24,689,529
608.000	Subdivision Inspection	229,120	200,000	200,000
609.000	Driveway Installation Fees	8,740	15,000	15,000
610.000	Sundry Accounts Receivable	1,705,856	2,117,500	2,117,500
627.000	State Trunkline Maintenance	6,772,671	6,329,439	6,434,006
628.000	State Non-Maintenance	852,902	1,200,000	1,200,000
665.000	Interest Earned	351,373	515,338	1,772,371
669.000	Equipment Rental Credits	8,288,166	7,903,775	8,209,587
673.000	Sales of Property and Equipment	330,580	171,000	171,000
680.000	Other Construction Contributions	241,495	0	0
685.000	Accident Recovery	240,851	100,000	100,000
690.000	Depreciation Credits	4,408,237	5,240,400	5,327,000
	Miscellaneous Revenue	8,075	1,500	1,500
<b>TOTAL REVENUES - COUNTY ROAD FUND . . .</b>		<b>\$137,481,021</b>	<b>\$252,949,290</b>	<b>\$303,715,224</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## GENERAL APPROPRIATIONS ACT

AND, BE IT FURTHER RESOLVED, that expenditures for the fiscal year commencing October 1, 2022 and ending September 30, 2023 are hereby appropriated on an activity basis consistent with the Uniform Chart of Accounts prescribed by the Department of Treasury, as follows:

Activity No.	Description	2020/2021 Actual	2021/2022 Original Budget	2022/2023 Original Budget
451	Primary Road Construction	\$2,891,083	\$20,061,280	\$23,399,045
459	Primary Road Heavy Maintenance	39,396,641	161,589,543	208,376,590
460	Primary Bridge Heavy Maintenance	1,887,597	4,527,555	6,608,782
467	Primary Road Maintenance	11,356,267	14,960,500	15,299,843
481	Local Road Construction	20,649	4,123,074	7,135,283
489	Local Road Heavy Maintenance	6,329,583	20,216,061	23,812,177
490	Local Bridge Heavy Maintenance	421,331	2,250,603	8,399,665
494	Local Drain Assessment	110,310	200,000	140,000
497	Local Road Maintenance	6,683,349	8,483,000	8,956,889
505	Sundry Accounts Receivable	1,504,540	2,659,476	2,701,979
507	Subdivision Inspection	88,953	186,892	202,497
508	Permit Inspection	252,708	333,154	360,261
510	Direct Equipment	5,019,961	6,346,747	6,513,419
511	Indirect Equipment	2,177,397	2,758,865	3,005,954
512	Operating Equipment	629,854	1,245,000	1,400,000
513	Fringe Benefits	19,185,133	21,756,868	22,380,049
514	Distributive	7,183,610	8,032,398	8,471,124
515	Administration	(348,821)	639,710	741,438
516	Engineering	1,042,168	1,231,721	1,338,472
517	State Trunkline Maintenance	3,799,067	3,683,439	3,708,113
518	State Non-Maintenance	360,642	967,201	1,000,598
521	Non-Road Projects	1,369,415	2,511,510	2,536,326
901	Capital Outlay	4,249,595	5,383,920	8,398,500
906	Bond and Note Payments	13,429	11,338	9,371
<b>TOTAL EXPENDITURES -</b>				
	<b>COUNTY ROAD FUND . . . . .</b>	<u>\$115,624,460</u>	<u>\$294,159,855</u>	<u>\$364,896,375</u>
<b>BUDGETED NET REVENUES (EXPENDITURES)</b>		\$21,856,561	(\$41,210,565)	(\$61,181,151)
<b>ACCUMULATED AVAILABLE FUND BALANCE</b>				
	<b>FROM PRIOR YEARS - PROJECTED</b>			<u>134,349,789</u>
<b>PROJECTED FUND BALANCE AT END OF BUDGET YEAR</b>				<u>\$73,168,638</u>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## GENERAL APPROPRIATIONS ACT

Activity No.	Description	2020/2021 Actual	2021/2022 Original Budget	2022/2023 Original Budget
677	General Liability Fund	1,224,759	250,000	500,000
TOTAL EXPENDITURES -				
	GENERAL LIABILITY FUND . . . . .	1,224,759	250,000	500,000
665.000	Interest Earned	16,623	100,000	50,000
699.000	Transfer-In Control	0	0	0
TOTAL REVENUES -				
	GENERAL LIABILITY FUND . . . . .	16,623	100,000	50,000



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## **FISCAL YEAR 2022 - 2023 STATISTICS**

### ***I - ROAD MILES***

County-Wide Primary Mileage	432.19	miles
County-Wide Local Mileage	1,286.29	miles
State Trunkline Actual C/L Mileage	277.39	miles

### ***II - FEDERAL AID MILES***

Federal Aid Urban Primary Mileage	356.70	miles
Federal Aid Urban Local Mileage	1,077.90	miles

### ***III - LANE MILES***

State Trunkline Lane Miles Maintained by MCDOR	803.59	miles
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### ***NUMBER OF STRUCTURES MAINTAINED by MACOMB COUNTY DEPARTMENT OF ROADS***

Bridges	225	bridges
County Primary System	110	structures
County Local System	115	structures
Bridges Closed to Traffic	2	
Bridges Posted	21	

### ***NUMBER OF DRAINAGE STRUCTURES 20' - 0" or LESS***

Drainage Structures - Total	546
Drainage Structures Closed to Traffic	0
Drainage Structures Posted	0

### ***EXTERNAL FORMULA DISTRIBUTION, ACT 51, P.A. 1951 AS AMENDED***

Michigan Department of Transportation	39.10%
Counties	39.10%
Cities	21.80%



# Macomb County Department of Roads

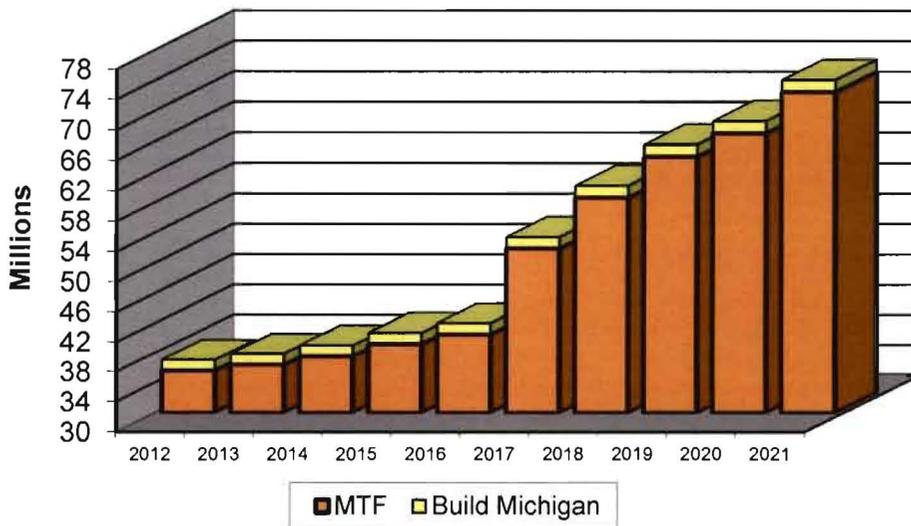
October 1, 2022 thru September 30, 2023



## MICHIGAN TRANSPORTATION FUNDS Fiscal Year 2022/2023 Budget

	Gas & Weight Funds	Build Michigan Funds
October	\$5,961,000	\$124,250
November	5,725,000	124,250
December	6,040,000	124,250
January	7,364,000	124,250
February	7,399,000	124,250
March	6,704,000	124,250
April	6,152,000	124,250
May	5,871,000	124,250
June	6,541,000	124,250
July	6,025,000	124,250
August	7,151,000	124,250
September	7,266,000	124,250
Engineering	10,000	0
	<u>\$78,209,000</u>	<u>\$1,491,000</u>

### Actual Revenue for the last 10 years





# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 EQUIPMENT and CAPITAL PROJECTS

### SUMMARY

#### CAPITALIZED EQUIPMENT:

901	976.000	Numbered Equipment - Unlicensed	\$449,000
901	977.000	Shop Equipment	214,500
901	978.000	Engineering Equipment	75,000
901	980.000	Office Equipment	8,000
901	980.002	Computer Hardware	20,000
901	980.003	Computer Software	80,000
901	981.000	Numbered Equipment - Licensed	4,842,000
<b>TOTAL CAPITALIZED EQUIPMENT</b>			<b>\$5,688,500</b>

#### NON-CAPITALIZED EQUIPMENT:

728.050	Computer Equipment	\$38,350	
728.060	Computer Software	6,000	
728.090	Shop Equipment	6,400	
780.000	Mechanic Tools	15,000	
807.000	Computer Service Contracts	28,219	
931.053	Bldg. Repair & Maint. - Clinton	4,200	
931.063	Bldg. Repair & Maint. - Electrical	3,000	
<b>TOTAL NON-CAPITALIZED EQUIPMENT</b>			<b>\$101,169</b>

#### CAPITAL PROJECTS:

901	975.016	Buildings - Salt Storage Washington	\$30,000
901	975.030	Buildings - Clinton	35,000
901	975.037	Buildings - Electrical	20,000
901	975.041	Buildings - Shelby Salt Dome	80,000
901	975.042	Buildings - Shelby	15,000
901	975.050	Buildings - Washington	20,000
901	975.052	Buildings - New Haven	15,000
901	975.057	Building Improvements - Electrical	20,000
901	975.072	Bldg. Improv.-New Haven Salt Dome	45,000
901	975.091	Bldg. Improvements - Admin. Bldg.	700,000
901	975.xxx	Capital Improvements-Service Cntrs	100,000
901	979.051	Yard & Storage - Washington	765,000
901	979.052	Yard & Storage - New Haven	765,000
901	979.053	Yard & Storage - Clinton	15,000
901	979.054	Yard & Storage - Shelby	65,000
901	979.099	Yard & Storage - Administration	20,000
<b>TOTAL CAPITAL PROJECTS</b>			<b>\$2,710,000</b>

**TOTAL EQUIPMENT and CAPITAL PROJECTS** \$8,499,669



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(02) FINANCE AND I.T.</i>			
15 Desktops for Replacement		\$12,750	728.050
12 Laptops for Replacement		9,600	728.050
8 CAD Workstations		16,000	728.050
Technology Contingency		20,000	980.002
Storage Maintenance		8,219	807.000
Precision Computer Solutions - Capitalized		80,000	980.003
Precision Computer Solutions - Expensed		20,000	807.000
Miscellaneous Desktop Software (Adobe, Visio, Etc.)		6,000	728.060
		<u>\$172,569</u>	

### *(11) WASHINGTON TOWNSHIP SERVICE CENTER*

~	1 F-750 Cab & Chassis	100603	\$56,000	981.000
~	55FT Aerial Boom and Chipper Box		98,000	981.000
	1 John Deere Motor Grader - 672G	621012	375,000	981.000
	1 Tandem Axle Dump Body	172312	272,000	981.000
	Wing Plow for above			
	Underbody Blade for above			
	Salt Spreader for above			
	Rex Roth for above			
	Road Temp Sensor for above			
	1 Tandem Axle Dump Body	173313	272,000	981.000
	Wing Plow for above			
	Underbody Blade for above			
	Salt Spreader for above			
	Rex Roth for above			
	Road Temp Sensor for above			
	1 John Deere 5125M PowerQuad Utility Tractor		156,000	981.000
	Side Flail for above			
	Rear Flail for above			
	2 Trailer Mounted Arrowboards	622710/622714	15,000	981.000
			<u>\$1,244,000</u>	



# Macomb County Department of Roads

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## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(12) NEW HAVEN SERVICE CENTER</i>			
1 F450 12' Stake Truck	108708	\$72,000	981.000
Liftgate for above			
1 Tandem Axle Dump Body	171808	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
1 Monroe Anti/De-Icing System	380809	50,000	976.000
1 4 Ton Hot Box and Trailer		33,000	981.000
2 Trailer Mounted Arrowboards	638414/638814	15,000	981.000
1 Hustler SuperZ EFI Zero Turn Mower	634605	18,000	976.000
72" Deck for above			
1 Pequea 8012S Trailer for above		5,000	981.000
		<u>\$465,000</u>	
 <i>(13) CLINTON TOWNSHIP SERVICE CENTER</i>			
~ 1 F-250 4x4 Extended Cab Pick-Up	129613	\$30,000	981.000
~ Front V Plow for above	429613	12,000	981.000
~ 1 F450 4x4 with Chipper Box and Toolboxes	1006	76,000	981.000
~ Front Plow for above		10,000	981.000
1 F450 Single Axle Dump	150612	82,000	981.000
Front Plow for above			
Salt Spreader for above			
1 Tandem Axle Dump Body	171308	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
1 Tandem Axle Dump Body	170312	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
1 Tandem Axle Dump Body	172712	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			



# Macomb County Department of Roads

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## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(13) CLINTON TOWNSHIP SERVICE CENTER - (concluded)</i>			
1 Tandem Axle Dump Body	172812	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
2 6" Diesel Powered Water Pump	6637/6639	41,000	976.000
Suction Hoses for above			
Discharge Hoses for above			
5 Trailer Mounted Arrowboards	624505/627111	37,500	981.000
	626403/623614		
	624514		
		<u>\$1,376,500</u>	
 <i>(14) SHELBY TOWNSHIP SERVICE CENTER</i>			
~ 1 F450 12 Ft. Stake Body	103403	\$62,000	981.000
~ 1 F450 Single Axle Dump	150208	65,000	981.000
~ Front Plow for above	450208	10,000	981.000
~ 1 F450 Single Axle Dump	150108	65,000	981.000
~ Front Plow for above	450108	10,000	981.000
~ 1 Morbark Single Axle Chipper		80,000	981.000
1 Tandem Axle Dump Body	172112	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
1 Tandem Axle Dump Body	173112	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			
1 Tandem Axle Dump Body	172412	272,000	981.000
Wing Plow for above			
Underbody Blade for above			
Salt Spreader for above			
Rex Roth for above			
Road Temp Sensor for above			



# Macomb County Department of Roads

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## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(14) SHELBY TOWNSHIP SERVICE CENTER - (concluded)</i>			
1 Monroe Anti/De-Icing System	380709	50,000	976.000
1 Monroe Anti/De-Icing System	380308	50,000	976.000
1 Monroe Anti/De-Icing System	380911	50,000	976.000
1 Crafcro Supershot 125 Crack Filler with Trailer	656604/616604	90,000	981.000
1 4 Ton Hot Box and Trailer	669009	33,000	981.000
1 F-450 12 Ft. Stake Body	103905	72,000	981.000
Liftgate for above			
3 Trailer Mounted Arrowboards	624803/624603 625609	22,500	981.000
1 John Deere 5125M PowerQuad Tractor	6318	94,000	981.000
Long Arm Attachment for above	6418	89,000	976.000
		<u>\$1,658,500</u>	
 <i>(15) VEHICLE MAINTENANCE</i>			
~ 1 Generator for New Building	985	\$150,000	977.000
Shop Tools		15,000	780.000
4 20,000 lbs. Safety Jack Stands		6,400	728.090
1 Tennant Floor Scrubber - T16		36,000	977.000
		<u>\$207,400</u>	
 <i>(21) TRAFFIC</i>			
1 F-150 4x4 SuperCab 6 1/2' Bed Pickup Truck w/Toolbox, Light Bar & Beacons		\$37,000	981.000
		<u>\$37,000</u>	
 <i>(22) ELECTRICAL</i>			
~ 1 F-550 Cab & Chassis, Service Body	100912/180912	\$112,000	981.000
29 Foot Duralift Boom w/Single Person Bucket for above			
3000 Watt Power Inverter instead of Generator for above	676412		
~ 1 7 x 12 High Side Dual Axle Dump Trailer 14,000 lb. GVR - carry over	6231	11,000	981.000
1 F-150 4x4 SuperCab 6 1/2' Bed Pickup Truck w/toolbox, light bar & beacon:	123713	37,000	981.000
1 Underground Utility Cable Locator & Kit (replacement)		8,500	977.000
1 7 x 12 High Side Dual Axle Dump Trailer 14,000 lb. GVR	6231	11,000	981.000
		<u>\$179,500</u>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

		Trade-In	Cost	Account Number	
<i>(23) SIGN</i>					
~	1	Crew Cab Stake Truck with Lift Gate, Arrow Board & Beacons	103513	\$80,000	981.000
~	1	TL-3 Scorpion Crash Attenuator (freeway)		25,000	976.000
~	1	TL-2 Scorpion Crash Attenuator (primary)		17,000	976.000
	1	Stake Truck, Crew Cab, Lift Gate, Message Board & Beacons	102509	92,000	981.000
	1	Vehicle Mounted Message Board for Truck 102118	639003	10,000	976.000
				<u>\$224,000</u>	
 <i>(24) ENGINEERING</i>					
	2	GNSS Base Station Survey Receiver (one complete set per survey crew)		\$75,000	978.000
	1	Copier		8,000	980.000
	2	Troxler 3450 Nuclear Gauge Replacement Dispose/Decommission	006891/006892	29,000	976.000
	1	Extended Cab Pickup Truck 4x2 w/Light Bar, Safety Strobe Lighting & Toolbox		37,000	981.000
				<u>\$149,000</u>	
 <i>(31) PURCHASING</i>					
		Emergency Fund		\$40,000	976/977
				<u>\$40,000</u>	
 <i>(32) PERMITS &amp; LOCAL ROADS</i>					
~	1	F-150 Pickup 4x4 Truck	125216	\$29,000	981.000
				<u>\$29,000</u>	
 <b>TOTAL CARRY-OVERS FROM 2021/2022 BUDGET</b>					
				\$998,000	
<b>TOTAL NEW REQUESTS FOR 2022/2023 BUDGET</b>					
				<u>4,784,469</u>	
 <b>TOTAL FIXED ASSETS</b>					
				\$5,782,469	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<b>CAPITAL PROJECTS</b>			
~ Asphalt Pad for New Salt Dome at Shelby SC		\$80,000	975.041
Repair Leaks in Parking Garage & Mechanic Area Roof at Washington SC		20,000	975.050
Replace Service Door on Salt Storage Facility at Washington SC		5,000	975.016
Replace Main Entrance Overhead Door to Salt Storage Facility at Washington SC		25,000	975.016
Repair Roof on Salt Shed (new shingles, hole in roof) at New Haven SC		45,000	975.072
Repair Roof over Mechanics Area at New Haven SC		15,000	975.052
2 Replace Entry Doors at East End, North & South Side at Clinton SC		10,000	975.030
2 Replace Overhead Doors in Parking Garage at Clinton SC		25,000	975.030
Roof Repair Over Electrical Room		20,000	975.057
3 Steel Entry Doors 36" x 84" in Truck Parking Garage at Shelby SC		15,000	975.042
1 10,000 Gallon ASTM Black Double Wall Tank for Hazard Containment at Shelby SC		50,000	979.054
3 Replace Existing Overhead Garage Doors at Electrical Dept		20,000	975.037
Above includes Track, Weather Striping and Openers (2 - 12'x12' & 1 - 14'x16')			
Replace Existing Steel-Man Door at Main Employee Entrance at Electrical Dept		3,000	931.063
Replace Garage Door in Small Shed with Opener & Installed for Stockroom		4,200	931.053
2 Underground Storage Tanks - New Haven SC		750,000	979.052
2 Underground Storage Tanks - Washington SC		750,000	979.051
Fuel Pump Upgrade Project - New Pumps at Administration Bldg.		20,000	979.099
Fuel Pump Upgrade Project - New Pumps at Washington SC		15,000	979.051
Fuel Pump Upgrade Project - New Pumps at New Haven SC		15,000	979.052
Fuel Pump Upgrade Project - New Pumps at Clinton SC		15,000	979.053
Fuel Pump Upgrade Project - New Pumps at Shelby SC		15,000	979.054
Administration Building - 1st Floor Renovation		700,000	975.091
Capital Improvements for all Service Centers		100,000	975.XXX
		\$2,717,200	
<b>TOTAL FIXED ASSETS AND</b>			
<b>    CAPITAL PROJECTS FOR 2022/2023</b>		<b>\$8,499,669</b>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## **MEMBERSHIPS and CONFERENCES FISCAL YEAR 2022/2023**

### *SUMMARY*

	<u>Memberships</u>	<u>Conferences</u>
FINANCE & I.T.	\$1,580	\$20,360
HUMAN RESOURCES	219	1,675
ADMINISTRATION	2,340	4,700
WASHINGTON TOWNSHIP SERVICE CENTER	250	0
NEW HAVEN SERVICE CENTER	250	0
CLINTON TOWNSHIP SERVICE CENTER	250	0
SHELBY TOWNSHIP SERVICE CENTER	250	0
VEHICLE MAINTENANCE	250	0
SUPERINTENDENT'S OFFICE	250	0
RIGHT OF WAY	500	4,000
TRAFFIC	1,905	13,850
ELECTRICAL	800	5,800
SIGN	100	4,000
ENGINEERING	960	17,415
STOCKROOM	550	2,250
PERMITS	3,780	500
AGENCY	<u>88,450</u>	<u>0</u>
 GRAND TOTAL	 <u><u>\$102,684</u></u>	 <u><u>\$74,550</u></u>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## **FISCAL YEAR 2022/2023 MEMBERSHIPS and CONFERENCES**

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<b>(02) FINANCE &amp; I.T.</b>				
Government Finance Officers Association	Mykytiak/Harvey	\$1,200	\$0	
Michigan Government Finance Officers Association	Mykytiak/Harvey	350	500	
County Road Association of Michigan Conferences	Mykytiak/Harvey	0	700	
Southern Michigan Road Comm. Finance Association	M. Mykytiak	30	60	
Continuing Education	Finance Staff	0	500	
End User Desktop Training	MCDR Computer Users	0	2,500	
CAD/GIS Training	CAD/GIS Users	0	6,000	
Technical Training	MCDR IT Staff	0	10,000	
Precision Users Self Help Meetings	Precision Users	0	100	
		<u>\$1,580</u>	<u>\$20,360</u>	
<b>(03) HUMAN RESOURCES</b>				
Society for Human Resource Management	S. Ling	\$219	\$1,675	
		<u>\$219</u>	<u>\$1,675</u>	
<b>(04) ADMINISTRATION</b>				
APA - American Planning Association	J. Crumm	\$400	\$0	
APA - Michigan Chapter	J. Crumm	240	0	
American Institute of Certified Planners	J. Crumm	250	0	
APA Michigan Conference	J. Crumm	0	1,000	Mission Point
PE License Renewal	B. Santo	100	0	
Miscellaneous Dues	B. Santo	400	0	
NAFA (Fleet Management Association)	N. Stanuch	500	1,200	
Public Relations Society of America	E. Dimoff	350	1,200	
MPPOA	N. Stanuch	100	0	
Association of County Road Superintendents	N. Stanuch	0	500	Frankenmuth
Continuing Education	Administration Employees	0	800	
		<u>\$2,340</u>	<u>\$4,700</u>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<i>(11) WASHINGTON TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	J. Graber	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	
<i>(12) NEW HAVEN SERVICE CENTER</i>				
APWA - Membership	J. Boyd	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	
<i>(13) CLINTON TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	S. Baurhenn	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	
<i>(14) SHELBY TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	D. DiCicco	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	
<i>(15) VEHICLE MAINTENANCE</i>				
APWA - Membership	C. Brown	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	
<i>(16) SUPERINTENDENTS OFFICE</i>				
APWA - Membership	L. Ciavatta	\$250	\$0	
		<u>\$250</u>	<u>\$0</u>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## FISCAL YEAR 2022/2023 MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<b>(18) RIGHT OF WAY</b>				
IRWA - Membership	ROW Personnel	\$500	\$0	
IRWA - General Meetings	ROW Personnel	0	500	
IRWA - Classes	ROW Personnel	0	2,000	
IRWA - Lodging/Food/Travel	ROW Personnel	0	500	
Miscellaneous Classes	ROW Personnel	0	1,000	
		<u>\$500</u>	<u>\$4,000</u>	
<b>(21) TRAFFIC</b>				
American Society of Civil Engineers	A. Merchant	\$275	\$0	
ITE - Institute of Transportation Engineers	Traffic Employees	1,250	4,100	TBD
Traffic Safety Summit	Traffic Employees	0	1,800	East Lansing
Intelligent Transportation Society of Michigan	Traffic Employees	0	2,500	TBD
Electrical License Renewal	Webb/Ferrell/Foate	200	0	
Traffic Webinars	Traffic Employees	0	500	
PE License Renewal	Westrick	80	0	
NEC Code Update Class	Webb/Ferrell/Foate	0	750	
Electrical Training Classes	Ferrell/Foate	0	1,000	
IMSA - International Municipal Signal Association	Traffic Employees	100	3,200	TBD
		<u>\$1,905</u>	<u>\$13,850</u>	
<b>(22) ELECTRICAL</b>				
IMSA - International Municipal Signal Association	Electrical Employees	\$300	\$3,000	
NEC Code Update Class	Electrical Employees	0	2,500	
Traffic Safety Summit	Electrical Employees		300	
Electrical License Renewal	Electrical Employees	500	0	
		<u>\$800</u>	<u>\$5,800</u>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## **FISCAL YEAR 2022/2023 MEMBERSHIPS and CONFERENCES**

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<b>(23) SIGN DEPARTMENT</b>				
IMSA - International Municipal Signal Association	Sign Employees	\$100	\$4,000	
		<u>\$100</u>	<u>\$4,000</u>	
<b>(24) ENGINEERING</b>				
Contract Management Conference	K. Stefanski	\$0	\$300	
CRA Conferences	S. Wanagat	0	600	
CSWO/SESC Certification	Engineers/Inspectors	0	665	
Michigan Concrete Association - Level I	Malburg	0	1,200	
ACI Concrete Strength Testing	Prevost, Phillips, Schrade, Constantine, Tipper	0	6,000	
HMA Inspection	R. Schrade	0	1,650	
Aggregate Level II	R. Schrade	0	1,650	
Michigan Bridge Conference	Wanagat, Newton	0	1,200	
Michigan Society of Professional Surveyors	Pisarcik, Dubay	260	1,700	
Professional Engineer License Renewal	Armbruster, Newton, Cooper, Blanchard, Pawloski	400	0	
American Society of Civil Engineers	J. Armbruster	300	0	
County Engineers Workshop	S. Wanagat	0	600	
EGLT Transportation & Environmental Conference	A. Newton	0	350	
Continuing Education	Engineers	0	1,500	
		<u>\$960</u>	<u>\$17,415</u>	



# Macomb County Department of Roads

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## **FISCAL YEAR 2022/2023 MEMBERSHIPS and CONFERENCES**

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<b>(31) PURCHASING/STOCKROOM</b>				
Michigan Public Purchasing Officers Association	Manager/Lozen	\$550	\$1,100	Various
National Institute of Governmental Purchasing Training	Purchasing Staff	0	650	
MPPOA	Purchasing Staff	0	500	Various
		<u>\$550</u>	<u>\$2,250</u>	
<b>(32) PERMITS</b>				
PUSH Meetings (Precision Training)	Smith/Staelgraeve	\$0	\$500	
Michigan Concrete Association	Bush, Harlow, Devos, Tersigni, Hofman	2,875	0	
Society of Detroit Engineers	S. Kahlon	150	0	
American Society of Civil Engineers	S. Kahlon	325	0	
National Society of Professional Engineers	S. Kahlon	350	0	
Department of Licensing and Regulatory Affairs	S. Kahlon	80	0	
		<u>\$3,780</u>	<u>\$500</u>	
<b>AGENCY</b>				
Weighmaster		\$20,000	\$0	
Miss Dig Fee		12,000	0	
County Road Association of Michigan		54,000	0	
National Institute of Governmental Purchasing		600	0	
OPIS		700	0	
MI Deal		750	0	
Intelligent Transportation Society of Michigan		400	0	
		<u>\$88,450</u>	<u>\$0</u>	
<b>TOTALS</b>		<u>\$102,684</u>	<u>\$74,550</u>	



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(02) FINANCE &amp; IT</b>		
Audit Fee	\$30,000	
Checks, Forms, Folders, Envelopes, Binders, Labels etc.	5,000	
Actuarial Fee - OPEB	28,000	
Actuarial Fee - GASB 74/75	11,000	
Actuarial Fee - PA 202 Reporting	3,500	
Contract Labor - Payroll Training	15,000	
Office Furniture for New Offices & Replace Broken Cabinets	6,000	
Miscellaneous - Maintenance	5,000	
Maintenance - Cisco Hardware	5,000	
Maintenance - General PC & Peripherals	25,000	
Maintenance - Formax Folder / Sealer Machine	1,200	
Service - Bentley Software Support (Engineering)	52,000	
Service - AT&T Internet Service Provider (ISP)	4,500	
Service - AT&T ASE Fiber Network	31,000	
Service - Tungsten Content Manager Software Support	6,000	
Service - Fuel Master Fuel System Support	2,300	
Service - County Charge-Backs for IT Services	50,000	
<b>(Continued)</b>		



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(02) FINANCE &amp; IT - (Concluded)</b>		
Service - Office 365 GCC E3 - (194 licenses)	38,460	
Service - Windows 10 - (194 licenses)	7,116	
Service - Windows Server User CAL - (194 licenses)	2,842	
Service - Msft SQL Standard Core MCDRSQL1 - (1 license)	581	
Service - Msft SQL Standard Core Centracs - (4 licenses)	12,865	
Service - Msft Exchange Server Enterprise - (4 licenses)	2,622	
Service - CrowdStrike Anti-Virus (198 licenses)	2,000	
Service - Infrastructure Consumption	16,000	
		<b>\$362,986</b>
<b>(03) HUMAN RESOURCES</b>		
CDL Reimbursement	\$2,500	
Mileage Reimbursement	300	
Training	5,000	
Surveillance	5,000	
Arbitration Fees	10,000	
Independent Medical Exams	8,000	
Legal Fees	50,000	
Random Drug Testing	15,000	
Pre-employment Physicals	5,000	
Precision Reports for HRLR	25,000	
		<b>\$125,800</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(04) ADMINISTRATION</b>		
Admin Building Cleaning (Janitorial, Carpet, Window, etc.)	\$4,000	
Lobbyist	20,000	
Answering Service - Med Connection	8,500	
Radio User Fees - 800Mzh	20,000	
Audio Sentry Alarm	4,000	
117 Building Maintenance	50,000	
DPW Projects	140,000	
Asset Management Program (HNTB Consultant)	1,000,000	
Legal Matters/Settlements/Deductibles/Moving Road Claims	120,000	
Postage/Meter	20,000	
Phragmites Management	35,000	
Consulting Services for Safety, Special Projects, etc.	20,000	
Landscaping - Administration Building (parking lot island/garden)	5,000	
MI EGLE Testing/Closure Reports for SC3 & Other Locations	90,000	
MI EGLE Annual & Quarterly Testing/Repairs for UST/Fuel System	30,000	
UST Replacement at New Haven - Environmental & Tank Testing	25,000	
UST Replacement at Washington - Environmental & Tank Testing	25,000	
Fuel System Project - (carry-over)	20,000	
		<b>\$1,636,500</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(11) WASHINGTON SERVICE CENTER</b>		
Office Desk to Replace Clerks Desk	\$1,750	
High Back Office Chair to Replace Clerks Chair	500	
		<b>\$2,250</b>
<b>(13) CLINTON SERVICE CENTER</b>		
Office Desk to Replace Clerks Desk	\$3,500	
High Back Office Chair to Replace Clerks Chair	1,000	
		<b>\$4,500</b>
<b>(14) SHELBY SERVICE CENTER</b>		
Big & Tall Office Chair for Foreman (old one ripped & worn out)	\$500	
AFF Truck Stands 3340SD (\$1500 each)	3,000	
60"x24"x78" Steel Heavy Duty Shelving (\$200 each)	1,000	
		<b>\$4,500</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(15) VEHICLE MAINTENANCE</b>		
Alldata Online Repair Manuals - All Service Centers	\$3,000	
Noregon System JPRO - Annual for All Service Centers	9,000	
Allison DOC Premium - Annual for All Service Centers	7,500	
Sandblast and Paint Trucks & Equipment	15,000	
Contract out Major Repairs on Equipment	100,000	
Undercoat New Equipment	5,000	
Motorola Radio Maintenance	20,000	
Bosch Evolve Subscription	900	
		<b>\$160,400</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(16) SUPERINTENDENTS OFFICE</b>		
Emergency Road Repairs	\$130,000	
EGLI Compliance Fees at MCDOR Facilities	50,000	
MIOSHA Inspection & Certification at MCDOR Facilities	50,000	
Deicing Chemicals for Winter Maintenance	50,000	
Landfill Fees	80,000	
Software Maintenance Upgrades & Equipment for GPS Systems	125,000	
Safety and Training	25,000	
Snow/Patching/Mowing Contracts-Municipalities & Contractors		
Contracts Mowing - Primary	170,000	
Contracts Snow - Primary	38,500	
Contracts Sweeping - Primary	14,000	
DPW Patching - Primary	20,000	
DPW Patching - Local	25,000	
DPW Snow - Local	25,000	
Contractors Snow - Local	125,000	
Tree Removal Contract	120,000	
Contract Labor	1,000	
Utility Damage during Mowing Operations	15,000	
Phragmites Management	5,000	
Emergency Repairs at Service Centers	120,000	
MCDOR Drainage Easement, Seawall Repair	45,000	
		<b>\$1,233,500</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(18) RIGHT OF WAY</b>		
Macomb County Register of Deeds	\$2,500	
Macomb County Treasurer	500	
Office Chairs	975	
Contract Labor	75,000	
Condemnation Awards	500,000	
		<b>\$578,975</b>
<b>(21) TRAFFIC</b>		
Communication Pole Equipment Maintenance	\$30,000	
Controller Software Upgrades and Maintenance	60,000	
Stockroom Material and Loaners for ITS Maintenance	50,000	
Connected Vehicle - Vehicle Units, Software, RSUs, OBU's	20,000	
Office Chairs	600	
Audio/Visual System for Traffic Conference Room	3,000	
Office Furniture/Desk	6,500	
Adopt-A-Road/Garbage Bags & Safety Vests	2,000	
ITS On-Call Services	170,000	
		<b>\$342,100</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(22) ELECTRICAL</b>		
Replace/Upgrades to Storm Water Pump Stations	\$600,000	
Emergency Repairs to Storm Water Pump Stations	30,000	
Aerial Bucket Tool Trays	1,100	
Impact Socket Sets for Bucket Trays	200	
Guy Wire Cable Cutters for Bucket Trays	700	
Looped End Security Cables for Portable Generators	450	
		<b>\$632,450</b>
<b>(23) SIGN DEPARTMENT</b>		
Onyx Sign Printer - Annual Fee	\$1,200	
Office Chairs	600	
Phoenix 350 Temporary Sign Stands (4)	800	
Upgrade to Current Version of Composer Software	800	
Mimaki Sign Printer - Annual Maintenance	4,000	
Makita Cordless Impact Drivers	600	
		<b>\$8,000</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(24) ENGINEERING</b>		
Subscriptions & Publications	\$1,500	
Cell Phone GPS (Survey Equipment)	1,000	
Miscellaneous Lab/Testing Equipment Service/Calibration	5,000	
GPS Firmware Maintenance	2,000	
NRC Nuclear License for Troxler Gauges	13,000	
Dosimeter Badge Service Contract	4,000	
Hazmat Training & Certifications	1,000	
Miscellaneous Environmental Services	5,000	
Office Chairs	6,000	
Construction Stakes	5,000	
Miscellaneous Software	10,000	
Miscellaneous CAD Training Services	5,000	
KIP Maintenance Contract	6,000	
Miscellaneous Lab Equipment	10,000	
Miscellaneous Field Equipment	8,000	
Monument Boxes	2,000	
Safety and Training	10,000	
		<b>\$94,500</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## SPECIAL REQUESTS - FISCAL YEAR 2022/2023

Service or Item Requested	Amount Requested	Total
<b>(31) PURCHASING/STOCKROOM</b>		
Inventory Storage	\$1,000	
Emergency Fund - Non-Capital Equipment & Purchases	20,000	
		<b>\$21,000</b>
<b>(32) PERMITS</b>		
Laminator Machine Maintenance Contract	\$700	
Printing - Miscellaneous Forms, Permits, Daily Cards etc.	4,000	
Safety and Training	5,000	
		<b>\$9,700</b>
<b>GRAND TOTAL</b>		<b>\$5,217,161</b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## ROAD MAINTENANCE COSTS FISCAL YEAR 2022/2023

### SUMMARY

*TOTAL FIELD BUDGET for:*

	<u>Primary Road</u>	<u>Local Road</u>	<u>State Trunkline</u>	<u>Totals</u>
MAINTENANCE	\$8,159,197	\$7,881,719	\$3,011,113	\$19,052,029
TRAFFIC	2,435,646	745,170	1,017,000	4,197,816
SUPERVISION	<u>625,000</u>	<u>330,000</u>	<u>280,000</u>	<u>1,235,000</u>
TOTAL COUNTY	\$11,219,843	\$8,956,889	\$4,308,113	\$24,484,845
Total Fringe Benefits	<u>3,300,000</u>	<u>2,600,000</u>	<u>1,459,486</u>	<u>7,359,486</u>
SUBTOTAL	\$14,519,843	\$11,556,889	\$5,767,599	\$31,844,331
Total Overhead	<u>2,613,572</u>	<u>2,080,240</u>	<u>1,266,407</u>	<u>5,960,219</u>
GRAND TOTAL	<u><u>\$17,133,415</u></u>	<u><u>\$13,637,129</u></u>	<u><u>\$7,034,006</u></u>	<u><u>\$37,804,550</u></u>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## ROAD MAINTENANCE COSTS - FISCAL YEAR 2022/2023

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M100 Blow-up Repair	0	0	0	0
M101 Joint & Crack Filling	120,000	120,000	300,000	540,000
M102 Replace Concrete Pavement	90,000	225,000	6,000	321,000
M103 Patrol Patching	1,100,000	650,000	0	1,750,000
M104 Hot Patching	235,197	120,000	22,000	377,197
M105 Sawing Pavement	20,000	25,000	2,000	47,000
M107 Grade Gravel Surface	90,000	1,470,000	0	1,560,000
M108 Patch Gravel Surface	100,000	1,268,294	0	1,368,294
M109 Surface Maintenance	20,000	80,000	25,000	125,000
M110 State Trunkline/Freeway Patching	0	0	435,000	435,000
<i>109 SURFACE MAINTENANCE</i>	<i>\$1,775,197</i>	<i>\$3,958,294</i>	<i>\$790,000</i>	<i>\$6,523,491</i>
M120 Dust Layer Surface	30,000	480,000	0	510,000
<i>CHLORIDE APPLICATION</i>	<i>\$30,000</i>	<i>\$480,000</i>	<i>\$0</i>	<i>\$510,000</i>
M130 Blading Shoulders	520,000	50,000	10,000	580,000
M131 Berm Removal	40,000	50,000	50,000	140,000
M132 Patch Gravel Shoulder	225,000	40,000	10,000	275,000
<i>119 SHOULDER MAINTENANCE</i>	<i>\$785,000</i>	<i>\$140,000</i>	<i>\$70,000</i>	<i>\$995,000</i>
M140 Tree Removal	60,000	50,000	12,500	122,500
M141 Tree/Brush Trimming	100,000	200,000	12,500	312,500
M142 Stump Removal	5,000	10,000	0	15,000
M143 Log Removal	2,000	20,000	0	22,000
M144 Tree Removal Contracts	40,000	80,000	0	120,000
<i>121 TREES &amp; SHRUBS</i>	<i>\$207,000</i>	<i>\$360,000</i>	<i>\$25,000</i>	<i>\$592,000</i>
M150 Clean Catch Basins	90,000	35,000	3,000	128,000
M151 Repair Catch Basins	100,000	200,000	8,000	308,000
M152 Build Catch Basins	0	0	0	0
M153 Ditch Cleanout	130,000	350,000	12,000	492,000
M154 Powerflushing Culverts	110,000	200,000	10,000	320,000
M155 Culvert/Underdrain Maintenance	130,000	250,000	10,000	390,000
M156 Erosion Control	75,000	75,000	20,000	170,000
M157 Drainage Contracts	0	0	0	0
<i>122 DRAINAGE STRUCTURES</i>	<i>\$635,000</i>	<i>\$1,110,000</i>	<i>\$63,000</i>	<i>\$1,808,000</i>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## ROAD MAINTENANCE COSTS - FISCAL YEAR 2022/2023

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M160 Full Width Litter Pickup	0	0	90,000	90,000
M161 Patrol Litter Pickup	25,000	10,000	20,000	55,000
M162 Litter Hauling Contract	7,000	7,000	15,000	29,000
<i>124 ROADSIDE CLEANUP</i>	\$32,000	\$17,000	\$125,000	\$174,000
M170 Swath Mowing	475,000	210,000	65,000	750,000
M171 Mowing Contracts	170,000	0	0	170,000
M172 Weedspray Contracts	0	0	0	0
<i>126 GRASS AND WEED CONTROL</i>	\$645,000	\$210,000	\$65,000	\$920,000
M180 Approach Sweeping	5,000	5,000	0	10,000
M181 Curb Sweeping	465,000	150,000	0	615,000
M182 Freeway Sweeping	0	0	20,000	20,000
M183 Sweeping Contracts	15,000	0	0	15,000
M184 Sweeping Disposal	90,000	15,000	10,000	115,000
<i>132 SWEEPING AND FLUSHING</i>	\$575,000	\$170,000	\$30,000	\$775,000
M190 R.O.W. Fence Repair	0	0	10,000	10,000
<i>137 R.O.W. FENCE REPAIR</i>	\$0	\$0	\$10,000	\$10,000
M200 Other Routine Maintenance	80,000	80,000	25,000	185,000
<i>139 OTHER ROUTINE MAINTENANCE</i>	\$80,000	\$80,000	\$25,000	\$185,000
M210 Maintain Snow Route RT	800,000	100,000	355,000	1,255,000
M211 Maintain Snow Route OT	2,300,000	200,000	1,087,587	3,587,587
M212 Scrape/Salt Non-Route Road RT	20,000	712,425	0	732,425
M213 Scrape/Salt Non-Route Road OT	5,000	270,000	0	275,000
M214 Erect/Remove Snow Fence	100,000	2,000	10,526	112,526
M215 Winter Maintenance Contract	40,000	0	0	40,000
M216 Anti-Ice System	0	0	0	0
M220 Night Patrol	50,000	0	110,000	160,000
M230 Other Winter Maintenance	10,000	2,000	170,000	182,000
<i>141 SNOW AND ICE REMOVAL</i>	\$3,325,000	\$1,286,425	\$1,733,113	\$6,344,538



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## ROAD MAINTENANCE COSTS - FISCAL YEAR 2022/2023

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M240 Bridge Repair	10,000	10,000	0	20,000
151 STRUCTURE MAINTENANCE	\$10,000	\$10,000	\$0	\$20,000
M250 Structure Painting	10,000	10,000	0	20,000
152 STRUCTURE PAINTING	\$10,000	\$10,000	\$0	\$20,000
M280 Emergency Road Maintenance	50,000	50,000	75,000	175,000
190 EMERGENCY ROAD MAINTENANCE	\$50,000	\$50,000	\$75,000	\$175,000
<b>TOTAL FIELD BUDGET for MAINTENANCE</b>	<b>\$8,159,197</b>	<b>\$7,881,719</b>	<b>\$3,011,113</b>	<b>\$19,052,029</b>
M500 Replace Steel Beam Guardrail RT	318,000	233,670	100,000	651,670
M501 Replace Steel Beam Guardrail OT	5,000	3,500	10,000	18,500
M502 Replace Cable Barrier RT	0	0	4,500	4,500
M503 Replace Cable Barrier OT	0	0	2,000	2,000
130 GUARDRAIL AND POST	\$323,000	\$237,170	\$116,500	\$676,670
M542 Pumphouse Energy	5,000	0	0	5,000
153 PUMPHOUSE ENERGY	\$5,000	\$0	\$0	\$5,000
M510 Sign Maintenance RT	250,000	215,000	226,000	691,000
M511 Sign Maintenance OT	40,000	30,000	30,000	100,000
M512 Sign Shop Work RT	0	0	0	0
M513 Sign Shop Work OT	0	0	0	0
M514 Overhead Signs - Electrical	0	0	0	0
M515 Overhead Signs - Non Electrical	1,000	0	0	1,000
M516 Other Traffic Maintenance	229,646	0	20,000	249,646
160 TRAFFIC SIGNS	\$520,646	\$245,000	\$276,000	\$1,041,646



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## ROAD MAINTENANCE COSTS - FISCAL YEAR 2022/2023

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M520 Relamp Electrical Device 3 Man	80,000	0	90,000	170,000
M521 Relamp Electrical Device 2 Man	30,000	0	30,000	60,000
M522 Signal Trouble Call RT	60,000	0	45,000	105,000
M523 Signal Trouble Call OT	100,000	0	90,000	190,000
M524 Controllor Maintenance	80,000	0	75,000	155,000
M527 Signal Operations Adjustment	5,000	0	20,000	25,000
M528 Remove/Replace Signals	15,000	0	5,000	20,000
M529 Emergency Signal Remove/Repair RT	20,000	0	75,000	95,000
M530 Emergency Signal Remove/Repair OT	80,000	0	160,000	240,000
M531 Install Signals	10,000	0	10,000	20,000
M533 Signal Modernization	2,000	0	0	2,000
M540 Signal Energy	280,000	35,000	500	315,500
<i>161 TRAFFIC SIGNALS</i>	<i>\$762,000</i>	<i>\$35,000</i>	<i>\$600,500</i>	<i>\$1,397,500</i>
M550 Traffic Counter Maintenance	110,000	40,000	0	150,000
<i>239 TRAFFIC COUNTER MAINTENANCE</i>	<i>\$110,000</i>	<i>\$40,000</i>	<i>\$0</i>	<i>\$150,000</i>
M560 Paint Guidelines RT	470,000	110,000	0	580,000
M561 Paint Guidelines OT	10,000	10,000	0	20,000
M562 Pavement Messages RT	223,000	61,000	0	284,000
M563 Pavement Messages OT	10,000	6,000	0	16,000
<i>162 PAVEMENT MARKINGS</i>	<i>\$713,000</i>	<i>\$187,000</i>	<i>\$0</i>	<i>\$900,000</i>
M570 Delineator Maintenance RT	2,000	1,000	4,000	7,000
M571 Delineator Maintenance OT	0	0	0	0
<i>164 DELINEATOR MAINTENANCE</i>	<i>\$2,000</i>	<i>\$1,000</i>	<i>\$4,000</i>	<i>\$7,000</i>
M580 Attenuator Maintenance RT	0	0	16,000	16,000
M581 Attenuator Maintenance OT	0	0	4,000	4,000
<i>165 ATTENUATOR MAINTENANCE</i>	<i>\$0</i>	<i>\$0</i>	<i>\$20,000</i>	<i>\$20,000</i>
<b>TOTAL FIELD BUDGET for TRAFFIC</b>	<b><u>\$2,435,646</u></b>	<b><u>\$745,170</u></b>	<b><u>\$1,017,000</u></b>	<b><u>\$4,197,816</u></b>



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Callens Road at Salt River - (carry-over)</u>						
Bridge CPM						
HM			10,317	68,778		79,095 <b>B</b>
					BRT	13,756
					MCDR	65,339
<u>W. O. Campground Road - Van Dyke to 28 Mile Road</u>						
Rehabilitation and Construct Roundabout						
HM	300,000		450,000	3,000,000		3,750,000
				WASHINGTON TWP		1,875,000
				MCDR		1,875,000
<u>W. O. Capac Road - Irwin Road to Pratt Road</u>						
Resurfacing						
HM	38,625		57,938	386,250		482,813
					STL	309,000
					MCDR	173,813
<u>W.O. Harper Avenue - Little Mack to 11 Mile Road - (carry-over)</u>						
Rehabilitation						
HM			138,857	925,712		1,064,569
				ST. CLAIR SHORES		532,284
				MCDR		532,285

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Hayes Road - 18 Mile Road to M-59 - (carry-over)</u>						
Rehabilitation						
HM			314,185	2,094,564		2,408,749
					STU/EDC	1,714,401
					CLINTON TWP	173,587
					STERLING HEIGHTS	173,587
					MCDR	347,174
<u>W. O. Kelly Road - 14 Mile Road to 15 Mile Road</u>						
Reconstruction						
HM	445,000	100,000	667,500	4,450,000		5,662,500
					ADVANCE CONSTRUCT	3,642,325
					CLINTON TWP	505,044
					FRASER	505,044
					MCDR	1,010,087
<u>W. O. Metropolitan Parkway - Mound Road to M-53 - (carry-over)</u>						
Reconstruction						
HM	750,000					750,000
					STP FLEX	613,875
					MCDR	136,125
<u>W. O. Metropolitan Parkway - Ryan to Mound</u>						
Rehabilitation						
HM	400,000		600,000	4,000,000		5,000,000
					STERLING HEIGHTS	2,500,000
					MCDR	2,500,000

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# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Mound Road - M-59 to 15 1/2 Mile Road (NC 6% - HM 94%) - (carry-over)</u>					
Reconstruction					
NC		312,444	3,099,633		3,412,077
HM		4,894,948	48,560,918		53,455,866
Total		5,207,392	51,660,551		56,867,943
				INFRA GRANT	32,067,200
				STERLING HEIGHTS	8,928,268
				WARREN	3,472,104
				MCDR	12,400,371
<u>W. O. Mound Road - I-696 to 8 Mile Road - (carry-over)</u>					
Rehabilitation					
HM	750,000				750,000
				STP FLEX	613,875
				MCDR	136,125
<u>W. O. Mound Road - DTE Street Lighting</u>					
Reconstruction					
HM			1,750,000		1,750,000
				STERLING HEIGHTS	586,250
				WARREN	288,750
				MCDR	875,000
<u>W. O. Mound Road - Landscaping - M-59 to 15 1/2 Mile Road</u>					
Landscaping					
HM			1,250,000		1,250,000
				STERLING HEIGHTS	418,750
				WARREN	206,250
				MCDR	625,000

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# Macomb County Department of Roads

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## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Mound Road - Municipal Utility Cost - 15 1/2 Mile Road to I-696</u>						
<i>Utility Costs</i>						
HM				7,234,000		7,234,000
					STERLING HEIGHTS	3,617,000
					WARREN	3,617,000
<hr/>						
<u>W. O. Mound Road - 15 1/2 Mile Road to I-696</u>						
<i>Reconstruction</i>						
HM			8,060,978	78,038,736		86,099,714
					INFRA GRANT	21,698,110
					STERLING HEIGHTS	18,998,473
					WARREN	13,202,329
					MCDR	32,200,802
<hr/>						
<u>W. O. New Haven Road at Salt River</u>						
<i>Bridge Replacement</i>						
HM	325,000		487,500	3,250,000		4,062,500 <b>B</b>
					LOCAL BRIDGE	2,600,000
					MCDR	1,462,500
<hr/>						
<u>W. O. Romeo Plank - North of 21 Mile Road to 23 Mile Road (NC 60% - HM 40%) - (carry-over)</u>						
<i>Reconstruct and Widen</i>						
NC	810,000	1,200,000		8,100,000		10,110,000
HM	540,000	800,000		5,400,000		6,740,000
Total	1,350,000	2,000,000		13,500,000		16,850,000
					NH/TEDEF-C/EDC	11,049,750
					MACOMB TWP	2,900,125
					MCDR	2,900,125
<hr/>						

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Schoenherr Road - 19 Mile Road to M-59</u>						
<i>Rehabilitation</i>						
HM	276,535		414,802	2,765,348		3,456,685
				STERLING HEIGHTS		1,728,343
				MCDR		1,728,342
<hr/>						
<u>W. O. South River Road at Canal</u>						
<i>Bridge Replacement</i>						
HM	180,800		271,200	1,808,000		2,260,000 <b>B</b>
					BRT	1,446,400
					MCDR	813,600
<hr/>						
<u>W. O. Wolcott Road at Tupper Brook Drain - (carry-over)</u>						
<i>Culvert Replacement</i>						
HM			57,450	383,000		440,450
					MCDR	440,450
<hr/>						
<u>W. O. 11 Mile Road Service Drive - Mound Road at 11 Mile Road/I-696</u>						
<i>Reconstruction</i>						
HM				1,286,172		1,286,172
					STP FLEX	1,052,732
					MCDR	233,440
<hr/>						

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 14 Mile Road - Hayes to Hoover</u>						
<i>Rehabilitation</i>						
HM	620,000		930,000	6,200,000		7,750,000
					WARREN	1,937,500
					STERLING HEIGHTS	1,937,500
					MCDR	3,875,000
<hr/>						
<u>W. O. 21 Mile Road at Middle Branch Clinton River - (carry-over)</u>						
<i>Bridge CPM</i>						
HM			1,974	13,160		15,134 <b>B</b>
					BRT	2,632
					MCDR	12,502
<hr/>						
<u>W. O. 23 Mile Road - Card Road to Heydenreich (NC 60% - HM 40%) - (carry-over)</u>						
<i>Reconstruct and Widen</i>						
NC			196,875	1,312,500		1,509,375
HM			131,250	875,000		1,006,250
Total			328,125	2,187,500		2,515,625
					EDC/ST/HICU	2,268,227
					MACOMB TWP	123,699
					MCDR	123,699
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Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 23 Mile Road - Card Road to Heydenreich (NC 60% - HM 40%)</u>					
<i>Reconstruct and Widen</i>					
NC		590,625	3,937,500		4,528,125
HM		393,750	2,625,000		3,018,750
Total		984,375	6,562,500		7,546,875
				EDC/ST/HICU	6,804,681
				MACOMB TWP	371,097
				MCDR	371,097
<u>W. O. 23 Mile Road - Heydenreich to Romeo Plank (NC 60% - HM 40%) - (carry-over)</u>					
<i>Reconstruct and Widen</i>					
NC		168,750	1,125,000		1,293,750
HM		112,500	750,000		862,500
Total		281,250	1,875,000		2,156,250
				EDC/STU/NH/ST/HICU	2,105,722
				MACOMB TWP	25,264
				MCDR	25,264
<u>W. O. 23 Mile Road - Heydenreich to Romeo Plank (NC 60% - HM 40%)</u>					
<i>Reconstruct and Widen</i>					
NC		506,250	3,375,000		3,881,250
HM		337,500	2,250,000		2,587,500
Total		843,750	5,625,000		6,468,750
				EDC/STU/NH/ST/HICU	6,317,167
				MACOMB TWP	75,792
				MCDR	75,791

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2022 Pavement Preservation Program - Primary - (carry-over)</u>						
County Wide						
HM			100,000	1,000,000		1,100,000
					MCDR	<u>1,100,000</u>
<u>W. O. 2023 ACT 51 Resurfacing, Restoration, and Rehabilitation</u>						
County Wide						
HM	180,000		450,000	3,000,000		3,630,000
					CITIES & TWPS	<u>1,815,000</u>
					MCDR	<u>1,815,000</u>
<u>W. O. 2023 Bridge Inspection - Primary</u>						
County Wide						
HM				75,000		75,000 <b>B</b>
					MCDR	<u>75,000</u>
<u>W. O. 2023 Bridge Maintenance - Primary</u>						
County Wide						
HM	75,000		112,500	750,000		937,500 <b>B</b>
					MCDR	<u>937,500</u>

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2023 MDOT Final Accountings</u>						
County Wide						
HM				100,000		100,000
					MCDR	<u>100,000</u>
<u>W. O. 2023 Pavement Preservation Program - Primary</u>						
County Wide						
HM	180,000		300,000	3,000,000		3,480,000
					MCDR	<u>3,480,000</u>
<u>W. O. 2023 Survey &amp; Design</u>						
County Wide						
HM	300,000					300,000
					MCDR	<u>300,000</u>
<u>W. O. 2023 Signal Modernizations</u>						
County Wide						
HM	130,000		210,000	1,300,000		1,640,000
					MCDR	<u>1,640,000</u>
<u>W. O. 2023 New Signals</u>						
County Wide						
HM	30,000		50,000	300,000		380,000
					MCDR	<u>380,000</u>

Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

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## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2023 LED Retrofit</u>						
County Wide						
HM	70,000		30,000		350,000	450,000
					MCDR	<u>450,000</u>
<u>W. O. 2020 Congestion Mitigation &amp; Air Quality - (carry-over)</u>						
Connected Vehicle RSU's and Travel Time Analytics						
HM			5,000	20,000		25,000
					MCDR	<u>25,000</u>
<u>W. O. 2021 Congestion Mitigation &amp; Air Quality - (carry-over)</u>						
Fiber Optic Cable, Phase 3						
HM			197,000	2,464,000		2,661,000
					CMAQ	<u>2,127,000</u>
					MCDR	534,000
<u>W. O. 2022 Congestion Mitigation &amp; Air Quality - (carry-over)</u>						
Fiber Optic Cable, Phase 4						
HM			269,000	2,685,000		2,954,000
					CMAQ	<u>2,441,000</u>
					MCDR	513,000

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# Macomb County Department of Roads

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## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2023 Congestion Mitigation &amp; Air Quality</u>						
<i>Fiber Optic Cable, Phase 5</i>						
HM	200,000		1,000	10,000		211,000
					CMAQ	10,000
					MCDR	201,000
<u>W. O. 2024 Congestion Mitigation &amp; Air Quality</u>						
<i>Automated Traffic Signal Performance Measures Detection</i>						
HM	150,000		1,000	10,000		161,000
					CMAQ	10,000
					MCDR	151,000
<u>W. O. 2020 Safety - (carry-over)</u>						
<i>Backplates in Sterling Heights</i>						
HM			1,000	5,000		6,000
					HSIP	3,400
					STERLING HTS	800
					MCDR	1,800
<u>W. O. 2020 Safety - (carry-over)</u>						
<i>Box Spans with Backplates in Sterling Heights</i>						
HM			8,000	47,000		55,000
					HSIP	12,000
					STERLING HTS	18,000
					MCDR	25,000

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# Macomb County Department of Roads

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## CONSTRUCTION - PRIMARY ROADS and BRIDGES

<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2020 Safety - (carry-over)</u>					
<i>Backplates in Warren</i>					
HM		4,000	19,000		23,000
				HSIP	14,000
				WARREN	2,500
				MCDR	6,500
<u>W. O. 2020 Safety - (carry-over)</u>					
<i>Box Spans with Backplates in Warren</i>					
HM		4,000	21,000		25,000
				HSIP	18,000
				WARREN	1,500
				MCDR	5,500
<u>W. O. 2021 Safety - (carry-over)</u>					
<i>Signal Upgrades, 8 Southern Locations</i>					
HM		64,000	399,000		463,000
				HSIP	356,000
				ROSEVILLE	3,000
				FRASER	1,000
				ST. CLAIR SHORES	6,000
				MCDR	97,000
<u>W. O. 2021 Safety - (carry-over)</u>					
<i>Signal Upgrades, 6 Northern Locations</i>					
HM		59,000	364,000		423,000
				HSIP	325,000
				MCDR	98,000

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# Macomb County Department of Roads

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## CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2021 Safety - (carry-over)</u>						
<i>Signal Upgrades, 10 Mile - Eastpointe Project</i>						
HM			10,000	193,000		203,000
					HSIP	120,000
					EASTPOINTE	22,000
					ROSEVILLE	11,000
					MCDR	50,000
<hr/>						
<u>W. O. 2023 Safety Projects</u>						
<i>5 Locations</i>						
HM	90,000		5,000	152,000		247,000
					HSIP	124,000
					MCDR	123,000
<hr/>						
<u>W. O. 2023 Safety Projects</u>						
<i>6 Locations</i>						
HM	90,000		5,000	150,000		245,000
					HSIP	123,000
					MCDR	122,000
<hr/>						
<u>W. O. 2024 Safety Projects</u>						
<i>Design, Locations TBD</i>						
HM	120,000					120,000
					MCDR	120,000
<hr/>						

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# Macomb County Department of Roads

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## **CONSTRUCTION - PRIMARY ROADS and BRIDGES**

<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2023 Traffic Operations Center</u>					
TOC Operations, Maintenance and Equipment					
HM			3,665,000		3,665,000
				CMAQ	2,932,000
				MCDR	733,000

### TOTALS . . . PRIMARY ROADS and BRIDGES

<u>\$7,050,960</u>	<u>\$2,100,000</u>	<u>\$21,993,093</u>	<u>\$220,043,271</u>	<u>\$350,000</u>	<u>\$251,537,324</u>
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Key Code: NC = New Construction; HM = Heavy Maintenance



# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Card Road at M-59</u>						
<i>Dual Right Turn Lanes</i>						
NC	7,500		11,250	75,000		93,750
HM	7,500		11,250	75,000		93,750
Total	15,000		22,500	150,000		187,500
					MCDR	187,500
<u>W. O. Coon Creek Road at Coon Creek</u>						
<i>Bridge Replacement</i>						
HM	31,000		186,000	1,240,000		1,457,000 <b>B</b>
					LOCAL BRIDGE	992,000
					MCDR	465,000
<u>W. O. Garfield Road Extension - 22 Mile Road to 23 Mile Road</u>						
<i>New Construction - New Location</i>						
NC			585,000	3,900,000		4,485,000
					MACOMB TWP	2,691,000
					MCDR	1,794,000
<u>W. O. Garfield Road Extension - 24 Mile Road to 25 Mile Road - (carry-over)</u>						
<i>New Construction - New Location</i>						
NC			438,750	2,925,000		3,363,750
					MACOMB TWP	2,018,250
					MCDR	1,345,500

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# Macomb County Department of Roads

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## CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. Heydenreich at Middle Branch Clinton River - (carry-over)</u>						
Bridge CPM						
HM			6,917	46,113		53,030 <b>B</b>
					LOCAL BRIDGE	18,445
					MCDR	34,585
<u>W. O. Hike/Bike throughout Macomb County</u>						
Non-Motorized						
HM	240,000		360,000	2,400,000		3,000,000
					TOWNSHIPS	1,500,000
					MCDR	1,500,000
<u>W. O. Kelly Road - 15 Mile Road to South Nunneley</u>						
Rehabilitation						
HM	157,836		236,755	1,578,364		1,972,955
					CLINTON TWP	1,183,773
					MCDR	789,182
<u>W. O. North Bay Industrial - 25 Mile Road to 26 Mile Road</u>						
Reconstruction						
HM	647,615		971,423	6,476,151		8,095,189
					CHESTERFIELD TWP	4,857,113
					MCDR	3,238,076

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# Macomb County Department of Roads

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## CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>	
<u>W. O. North River at Catfish Channel</u>							
<i>Bridge Replacement</i>							
HM	114,705		688,230	4,588,200		5,391,135	<b>B</b>
					LOCAL BRIDGE	3,670,560	
					MCDR	1,720,575	
<hr/>							
<u>W. O. Powell Road - 32 Mile Road to 33 Mile Road - (carry-over)</u>							
<i>Rehabilitation</i>							
HM			120,876	805,843		926,719	
					STU	258,607	
					ROMEO/BRUCE/ARMADA	400,867	
					MCDR	267,245	
<hr/>							
<u>W. O. West Archer Drive at Channel to Lake St. Clair</u>							
<i>Bridge Replacement</i>							
HM	48,800		292,800	1,952,000		2,293,600	<b>B</b>
					LOCAL BRIDGE	1,561,600	
					MCDR	732,000	
<hr/>							
<u>W. O. 29 Mile Road at Salt River - (carry-over)</u>							
<i>Bridge CPM</i>							
HM			13,625	90,835		104,460	<b>B</b>
					LOCAL BRIDGE	36,334	
					MCDR	68,126	
<hr/>							

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# Macomb County Department of Roads

October 1, 2022 thru September 30, 2023



## CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 30 Mile Road - Bur Oak Drive to Kildare Drive</u>						
Reconstruction						
HM	250,000		375,000	2,500,000		3,125,000
				WASHINGTON TWP		1,875,000
				MCDR		1,250,000
<hr/>						
<u>W. O. 2022 Pavement Preservation Program - Local - (carry-over)</u>						
County Wide						
HM			100,000	1,000,000		1,100,000
					MCDR	1,100,000
<hr/>						
<u>W. O. 2022 Subdivision Reconstruction - (carry-over)</u>						
County Wide						
HM			202,403	1,349,351		1,551,754
					TOWNSHIPS	986,418
					MCDR	565,336
<hr/>						
<u>W. O. 2023 Bridge Inspection - Local</u>						
County Wide						
HM				75,000		75,000 <b>B</b>
					MCDR	75,000
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<u>W. O. 2023 Large Culvert Replacement</u>						
County Wide						
HM	60,000		90,000	600,000		750,000
					MCDR	750,000
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# Macomb County Department of Roads

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## CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign &amp; Signal</u>	<u>Totals &amp; Financing</u>
<u>W. O. 2023 Limestone Program - Local</u>						
<i>County Wide</i>						
HM				2,200,000		2,200,000
					TOWNSHIPS	220,000
					MCDR	1,980,000
<hr/>						
<u>W. O. 2023 Pavement Preservation Program - Local</u>						
<i>County Wide</i>						
HM	180,000		300,000	3,000,000		3,480,000
					MCDR	3,480,000
<hr/>						
<u>W. O. 2023 Subdivision Reconstruction</u>						
<i>County Wide</i>						
HM	224,000		480,000	3,296,000		4,000,000
					TOWNSHIPS	2,000,000
					MCDR	2,000,000
<hr/>						
<b>TOTALS . . . LOCAL ROADS and BRIDGES</b>						
	<u>\$1,968,956</u>	<u>\$0</u>	<u>\$5,470,279</u>	<u>\$40,172,857</u>	<u>\$0</u>	<u>\$47,612,092</u>

Key Code: NC = New Construction; HM = Heavy Maintenance