

Macomb County Department of Roads 2014-2015 Budget

Robert P. Hoepfner, P.E., Director of Roads



Mark A. Hackel
County Executive

October 1, 2014
through
September 30, 2015



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



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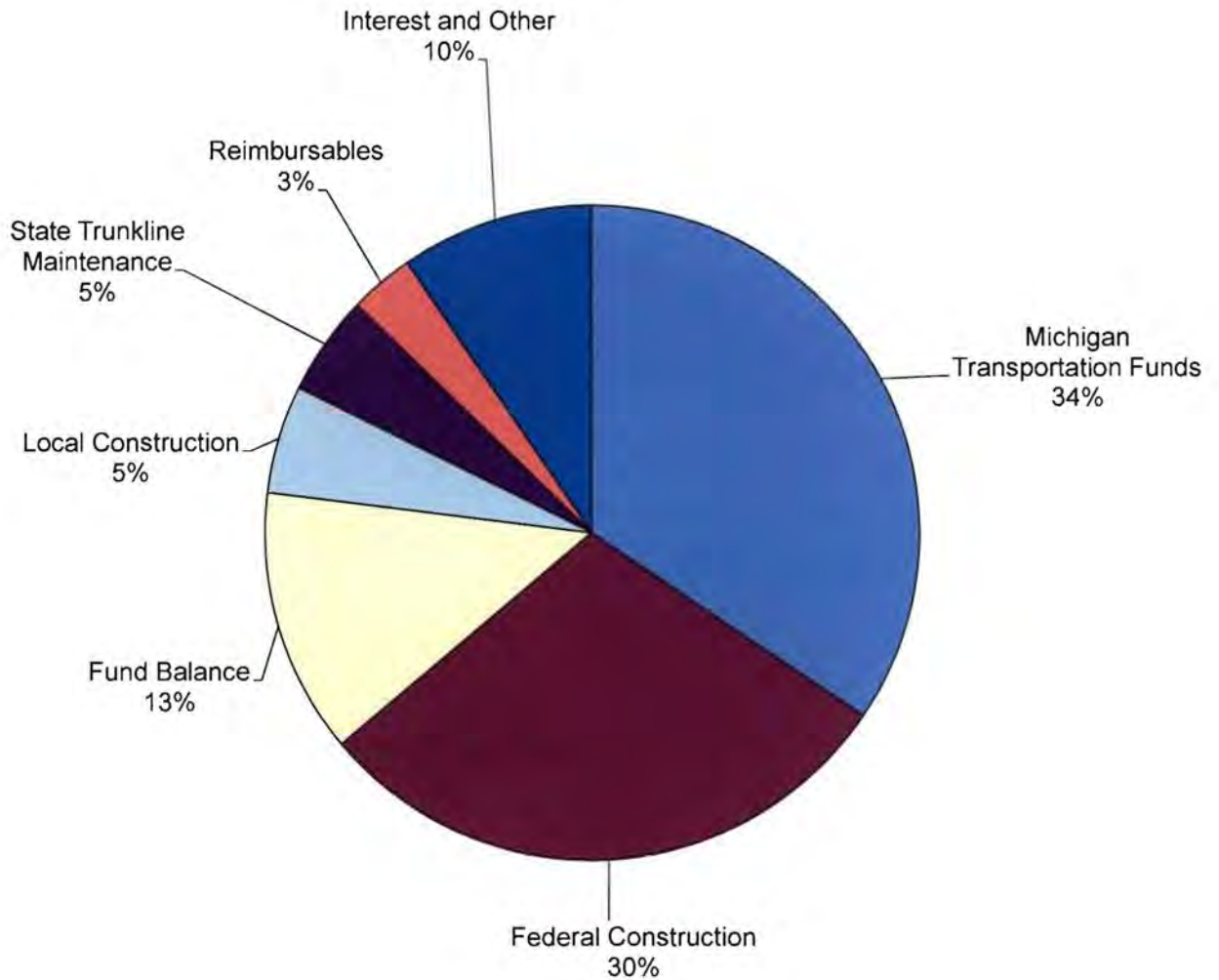


Macomb County Department of Roads

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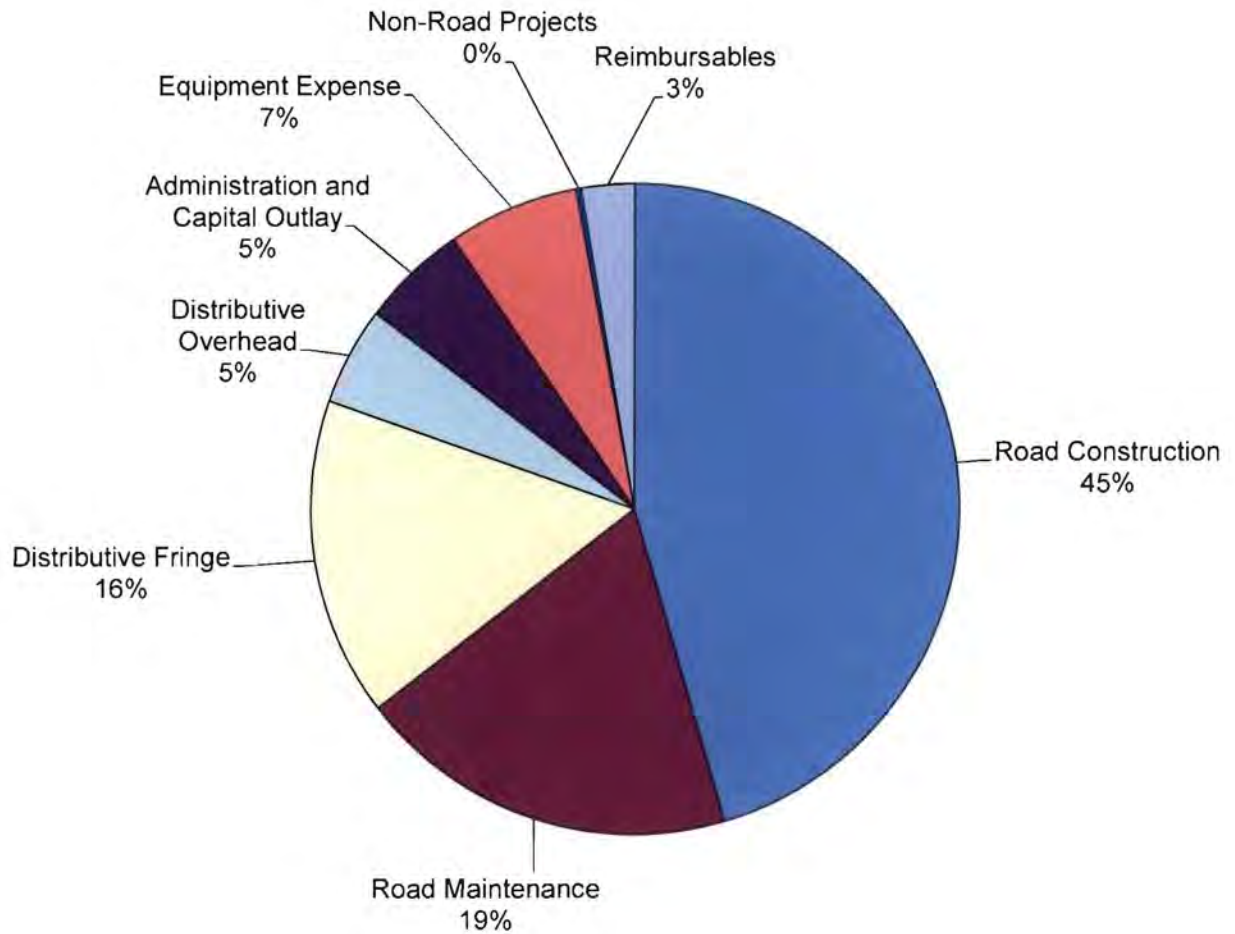
2014/2015 Budgeted Revenues by Category



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



2014/2015 Budgeted Expenditures by Category



■ Road Construction	■ Road Maintenance	□ Distributive Fringe
□ Distributive Overhead	■ Administration and Capital Outlay	■ Equipment Expense
■ Non-Road Projects	□ Reimbursables	



Macomb County Department of Roads

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GENERAL APPROPRIATIONS ACT

BE IT RESOLVED, that revenues for the fiscal year commencing October 1, 2014 and ending September 30, 2015 are hereby appropriated by account consistent with the Uniform Chart of Accounts prescribed by the Department of Treasury, as follows:

<u>Account No.</u>	<u>Description</u>	<u>2012/2013 Actual</u>	<u>2013/2014 Original Budget</u>	<u>2014/2015 Original Budget</u>
490.000	Permit Fees	\$275,310	\$420,000	\$420,000
491.000	Tap-in Fees	750	1,200	1,200
493.000	Cab Card Fees	52,900	50,000	50,000
494.000	Review for Site Plan Fee	12,900	10,000	12,000
510.000	Grants	0	491,000	0
511.000	Federal Construction Projects	16,980,171	33,279,500	29,549,580
535.000	Other Federal Funds	0	250,000	0
546.000	Michigan Transportation Fund	36,609,548	35,219,000	36,561,000
546.000	Build Michigan Fund	1,336,857	1,320,000	1,332,000
547.000	Local Bridge Fund	609,908	5,053,050	2,883,250
583.001	Cities	150,582	272,150	610,650
583.004	Townships	3,257,876	4,469,555	5,283,893
608.000	Subdivision Inspection	99,468	35,000	100,000
609.000	Driveway Installation Fees	7,654	15,000	15,000
610.000	Sundry Accounts Receivable	1,467,610	2,471,000	2,244,000
627.000	State Trunkline Maintenance	7,205,764	5,483,755	5,485,470
628.000	State Non-Maintenance	1,398,716	650,000	650,000
650.000	Material Handling Fees	0	36,500	0
665.000	Interest Earned	91,534	113,569	146,166
669.000	Equipment Rental Credits	5,671,028	6,751,750	7,042,250
673.000	Sales of Property and Equipment	79,836	83,000	91,000
680.000	Other Construction Contributions	10,082	0	0
685.000	Accident Recovery	208,385	100,000	100,000
690.000	Depreciation Credits	2,697,380	3,143,000	3,124,000
696.000	Capital Projects Fund Transfer	0	0	0
	Miscellaneous Revenue	9,904	3,350	2,750
TOTAL REVENUES - COUNTY ROAD FUND . . .		<u>\$78,234,165</u>	<u>\$99,721,379</u>	<u>\$95,704,209</u>



Macomb County Department of Roads

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GENERAL APPROPRIATIONS ACT

AND, BE IT FURTHER RESOLVED, that expenditures for the fiscal year commencing October 1, 2014 and ending September 30, 2015 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	2012/2013 Actual	2013/2014 Original Budget	2014/2015 Original Budget
451	Primary Road Construction	\$1,729,723	\$10,342,042	\$9,940,421
459	Primary Road Heavy Maintenance	14,685,042	26,085,288	28,779,978
460	Primary Bridge Heavy Maintenance	4,082,767	1,236,726	160,000
467	Primary Road Maintenance	7,285,738	9,322,500	10,653,100
481	Local Road Construction	0	50,000	50,000
489	Local Road Heavy Maintenance	4,654,925	6,432,490	7,833,402
490	Local Bridge Heavy Maintenance	89,416	4,510,101	3,220,480
494	Local Drain Assessment	46,461	65,000	110,000
497	Local Road Maintenance	4,956,292	6,352,200	7,234,050
505	Sundry Accounts Receivable	1,236,620	2,278,500	2,205,500
507	Subdivision Inspection	34,352	18,000	60,000
508	Permit Inspection	154,478	215,000	225,000
510	Direct Equipment	3,299,391	3,693,500	4,000,000
511	Indirect Equipment	1,617,230	1,928,510	1,964,850
512	Operating Equipment	1,099,417	1,175,000	1,245,000
513	Fringe Benefits	15,633,128	15,918,200	17,454,700
514	Distributive	4,626,159	5,320,741	5,359,636
515	Administration	(62,872)	871,865	724,935
516	Engineering	1,115,516	1,090,000	1,119,561
517	State Trunkline Maintenance	3,159,469	3,074,000	3,088,376
518	State Non-Maintenance	1,365,159	452,500	452,500
521	Non-Road Projects	646,080	559,854	125,000
901	Capital Outlay	3,567,282	7,835,175	3,966,993
902	Capital Projects Fund	90,368	113,569	146,166
906	Bond and Note Payments	13,985	12,249	24,666
TOTAL EXPENDITURES -				
COUNTY ROAD FUND		<u>\$75,126,126</u>	<u>\$108,953,010</u>	<u>\$110,144,314</u>
BUDGETED NET REVENUES (EXPENDITURES)		\$3,108,039	(\$9,231,631)	(\$14,440,105)
ACCUMULATED AVAILABLE FUND BALANCE				
FROM PRIOR YEARS - PROJECTED				<u>54,651,367</u>
PROJECTED FUND BALANCE AT END OF BUDGET YEAR				<u>\$40,211,262</u>



Macomb County Department of Roads

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GENERAL APPROPRIATIONS ACT

Activity No.	Description	2012/2013 Actual	2013/2014 Original Budget	2014/2015 Original Budget
677	General Liability Fund	312,908	300,000	350,000
TOTAL EXPENDITURES - GENERAL LIABILITY FUND		312,908	300,000	350,000
902	Capital Projects Fund	0	0	0
TOTAL EXPENDITURES - CAPITAL PROJECTS FUND		0	0	0
665.000	Interest Earned	11,295	30,000	10,000
699.000	Transfer-In Control	0	0	0
TOTAL REVENUES - GENERAL LIABILITY FUND		11,295	30,000	10,000
665.000	Interest Earned	1,467	3,500	1,500
699.000	Transfer-In Control	90,369	113,569	146,166
TOTAL REVENUES - CAPITAL PROJECTS FUND		91,836	117,069	147,666



Macomb County Department of Roads

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2014 - 2015 STATISTICS

I - ROAD MILES

County-Wide Primary Mileage	425.54 miles
County-Wide Local Mileage	1,261.36 miles
State Trunkline Actual C/L Mileage	210.11 miles

II - FEDERAL AID MILES

Federal Aid Urban Primary Mileage	350.15 miles
Federal Aid Urban Local Mileage	1,060.86 miles

III - LANE MILES

State Trunkline Lane Miles Maintained by MCDOR	662.35 miles
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NUMBER OF STRUCTURES MAINTAINED by MACOMB COUNTY DEPARTMENT OF ROADS

Bridges	216 bridges
County Primary System	100 structures
County Local System	116 structures
Bridges Closed to Traffic	1
Bridges Posted	9

NUMBER OF DRAINAGE STRUCTURES 20' - 0" or LESS

Drainage Structures - Total	521
Drainage Structures Closed to Traffic	2
Drainage Structures Posted	1

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

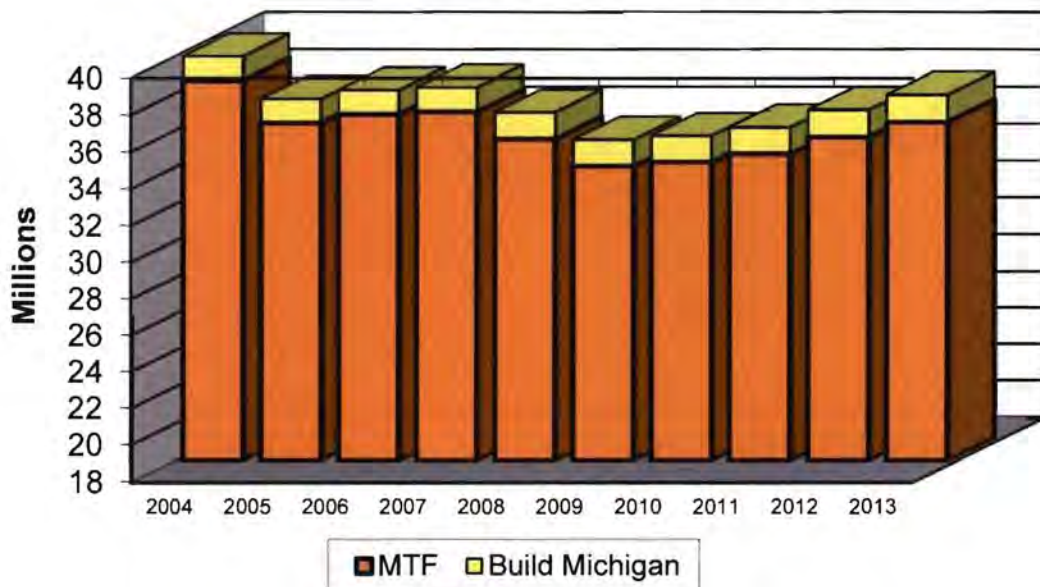
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MICHIGAN TRANSPORTATION FUNDS Fiscal Year 2014/2015 Budget

	Gas & Weight Funds	Build Michigan Funds
October	\$2,490,000	\$111,000
November	2,910,000	111,000
December	2,940,000	111,000
January	3,296,000	111,000
February	3,960,000	111,000
March	2,960,000	111,000
April	3,075,000	111,000
May	3,080,000	111,000
June	2,985,000	111,000
July	2,580,000	111,000
August	3,140,000	111,000
September	3,135,000	111,000
Engineering	10,000	0
	<u>\$36,561,000</u>	<u>\$1,332,000</u>

Actual Revenue for the last 10 years





Macomb County Department of Roads

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EQUIPMENT and CAPITAL PROJECTS

S U M M A R Y

CAPITALIZED EQUIPMENT:

901	976.000	Numbered Equipment - Unlicensed	\$800,650
901	977.000	Shop Equipment	56,000
901	980.002	Computer Hardware	214,000
901	980.003	Computer Software	133,500
901	981.000	Numbered Equipment - Licensed	2,457,843

TOTAL CAPITALIZED EQUIPMENT \$3,661,993

NON-CAPITALIZED EQUIPMENT:

728.020	Office Furniture	\$2,100
728.050	Computer Equipment	48,000
728.090	Shop Equipment	10,900
731.000	Janitorial Equipment	700
735.000	Shop Equipment	1,500
737.000	Supplies for Signs	1,200
779.000	Parts/Supplies for Equipment	1,800
790.000	Small Road Tools	600

TOTAL NON-CAPITALIZED EQUIPMENT \$66,800

CAPITAL PROJECTS:

901	970.000	Construction in Progress	125,000
901	975.xxx	Capital Improvements-Svc Cntrs	100,000
901	975.030	Buildings - Clinton Service Center	5,000
901	979.xxx	Yard & Storage - Service Centers	75,000

TOTAL CAPITAL PROJECTS \$305,000

TOTAL EQUIPMENT and CAPITAL PROJECTS \$4,033,793



Macomb County Department of Roads

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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(02) FINANCE AND M.I.S.</i>			
1 High Level Color Copier/Printer		\$36,000	980.002
15 Personal Computer Upgrades		15,000	728.050
7 Laptop Upgrades		11,000	728.050
5 CAD Workstation Upgrades		10,000	728.050
Network Project - Hardware Infrastructure		45,000	980.002
5 Tablets - Engineering and Miscellaneous		3,000	728.050
Wireless Internet - Mechanics		20,000	980.002
3 Color Laser Printer (ROW, Mechanics, Electrical)		7,500	728.050
Adobe Acrobat Pro Upgrades (10 Licenses)		5,000	980.003
Precision Computer Solutions Software Upgrades		80,000	980.003
Contingent MIS Fund		40,000	980.003
		<u>\$272,500</u>	
<i>(04) ADMINISTRATION</i>			
2 Ford Fusions (to replace two oldest cars - assignment to be determined)		\$40,000	981.000
1 Upright Vacuum for Administration Building		700	731.000
		<u>\$40,700</u>	
<i>(11) WASHINGTON TOWNSHIP SERVICE CENTER</i>			
1 Tandem Axle Dump Truck	1745	\$130,000	981.000
1 Wing Plow for Above		20,000	976.000
1 UB Blade, Salt Spreader, Tailgate Tank for Above		80,000	976.000
Extra to Change Plumbing for Henderson		10,000	981.000
1 Tandem Axle Dump Truck	1754	130,000	981.000
1 Wing Plow for Above		20,000	976.000
1 UB Blade, Salt Spreader, Tailgate Tank for Above		80,000	976.000
2 1/2 Ton Pick-up Trucks	122905/122107	50,000	981.000
1 Single Axle Dump Truck w/ Plow	1514	60,000	981.000
1 Chainsaw - 16"	6462	500	976.000
1 Handheld Concrete Saw - 14" Stihl TS 700	6430	1,200	976.000
1 Plasma Cutter Miller Spectrum Model 874		3,200	728.090
		<u>\$584,900</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(12) NEW HAVEN SERVICE CENTER</i>			
2 Solar Powered Arrowboards - Trailer Mounted	638404/638806	\$15,000	976.000
2 1/2 Ton Pick-up Trucks	1263/122504	50,000	981.000
1 Hot Box - 4 Yard		30,000	976.000
1 Brine Maker	699405	50,000	976.000
1 Tandem Axle Dump Truck	1732	130,000	981.000
1 Wing Plow for Above		20,000	976.000
1 UB Blade, Salt Spreader, Tailgate Tank for Above		80,000	976.000
1 Large Plastic Water Tank for Truck, 2,000 gallon with pump	6862	16,000	976.000
1 Battery Charger 12V and 24V		500	735.000
1 Axle Nut Socket Set		500	735.000
1 Wheel Seal Drivers		500	735.000
		<u>\$392,500</u>	

<i>(13) CLINTON TOWNSHIP SERVICE CENTER</i>			
1 Vactor Tandem Axle - 14 Yard Waste	170403	\$388,843	981.000
1 Tandem Axle Dump Truck	1730	130,000	981.000
1 Wing Plow for Above		20,000	976.000
1 UB Blade, Salt Spreader, Tailgate Tank for Above		80,000	976.000
1 Elgin Eagle Mechanical Sweeper	1603	275,000	981.000
2 Solar Powered Arrowboards - Trailer Mounted	624505/624605	15,000	976.000
1 1/2 Ton Pick-Up Truck	1267	25,000	981.000
1 Hot Box - 4 Yard	668905	30,000	976.000
		<u>\$963,843</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(14) SHELBY TOWNSHIP SERVICE CENTER</i>			
1 Vactor - Tandem Axle - 14 Yard with Jet Rodder System	170503/270503	\$420,000	981.000
1 Tandem Axle Dump Truck	1710	180,000	981.000
1 Wing Plow for Above		20,000	976.000
1 UB Blade, Salt Spreader, Tailgate Tank for Above		80,000	976.000
1 1/2 Ton Pick-Up Truck	1270	25,000	981.000
1 Hot Box - 4 Yard	669104	30,000	976.000
1 Solar Powered Arrowboard - Trailer Mounted	6274	7,500	976.000
1 Mikasa, Plate Compactor, MVC 88GH	6579	2,500	976.000
		<u>\$765,000</u>	
 <i>(15) VEHICLE MAINTENANCE</i>			
1 Tire Spreader	6104	\$4,800	728.090
1 Mach 4 Mobile Column Hoist		36,000	977.000
1 Noregon JPRO Diagnostic Station #23231		8,500	980.003
		<u>\$49,300</u>	
 <i>(16) SUPERINTENDENT'S OFFICE</i>			
10 GPS Units for Maintenance Vehicles		\$10,000	976.000
		<u>\$10,000</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(21) TRAFFIC</i>			
1		\$25,000	980.002
1	120803	23,000	981.000
1		900	779.000
		<u>\$48,900</u>	
<i>(22) ELECTRICAL SHOP</i>			
1	1316	\$30,000	981.000
1	6255	7,300	976.000
1		4,500	976.000
3	6749/6758/6759	10,500	976.000
1		650	976.000
		<u>\$52,950</u>	
<i>(23) SIGN SHOP</i>			
1	1054	\$110,000	981.000
1	1854	30,000	976.000
1	694908	10,000	976.000
1	697302	10,000	976.000
1	1508	180,000	981.000
1	6239	25,000	981.000
1	124607	23,000	981.000
1		900	779.000
1		600	790.000
1		600	728.020
10		1,200	737.000
		<u>\$391,300</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(24) ENGINEERING</i>			
1 KIP C7800 Large Format Copy System	000812	\$78,000	980.002
1 Copier for Engineering and ROW	000981	10,000	980.002
Equipment for Web Based Construction Management System		1,500	728.050
1 Beam Tester and Molds		2,900	728.090
		<u>\$92,400</u>	
 <i>(31) PURCHASING</i>			
1 Inventory Storage		\$1,000	728.020
2 Chair Replacements		500	728.020
Emergency Fund		40,000	976/977
		<u>\$41,500</u>	
 <i>(32) PERMITS</i>			
1 F-150 Pick-up Truck	120707	\$23,000	981.000
		<u>\$23,000</u>	

TOTAL CARRY-OVERS FROM 2013/2014 BUDGET	\$388,843
TOTAL NEW REQUESTS FOR 2014/2015 BUDGET	<u>3,339,950</u>
TOTAL FIXED ASSETS	\$3,728,793



Macomb County Department of Roads

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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
CAPITAL PROJECTS			
Epoxy Floor Coating for Electrical Break and Testing Rooms		\$5,000	975.030
Engineering Firm Evaluation of Expansion or Renovation of Nova Complex		125,000	817.000
Fuel System Upgrades at Service Centers		75,000	979.000
Capital Improvements all Service Centers		100,000	975.xxx
		<u>305,000</u>	
TOTAL FIXED ASSETS AND CAPITAL PROJECTS FOR 2014/2015		<u><u>\$4,033,793</u></u>	



Macomb County Department of Roads

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MEMBERSHIPS and CONFERENCES

SUMMARY

	<u>Memberships</u>	<u>Conferences</u>
FINANCE & M.I.S.	\$780	\$31,105
PERSONNEL	0	2,000
ADMINISTRATION	1,550	2,750
WASHINGTON TOWNSHIP SERVICE CENTER	200	0
NEW HAVEN SERVICE CENTER	200	0
CLINTON TOWNSHIP SERVICE CENTER	200	0
SHELBY TOWNSHIP SERVICE CENTER	200	0
VEHICLE MAINTENANCE	200	500
SUPERINTENDENT'S OFFICE	200	0
RIGHT OF WAY	650	3,850
TRAFFIC	1,130	7,550
ELECTRICAL	575	5,700
SIGN	75	3,000
ENGINEERING	1,310	6,885
STOCKROOM	905	2,100
PERMITS	750	1,650
AGENCY	<u>54,800</u>	<u>0</u>
GRAND TOTAL	<u>\$63,725</u>	<u>\$67,090</u>



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<i>(02) FINANCE & M.I.S.</i>				
Government Finance Officers Association	M. Mykytiak	\$550	\$0	
Michigan Government Finance Officers Association	M. Mykytiak/M. Schenden	230	600	
County Road Association of Michigan Conferences	M. Mykytiak	0	500	TBD
Southern Michigan Road Comm Finance Association	M. Mykytiak	0	80	Various
Precision Users Self Help Meetings	Precision Users	0	100	Various
Technical Training	MIS Staff	0	5,000	Metro Detroit
Disaster Recovery Test - Travel Expense	MIS Staff	0	1,200	Woodale, IL
CAD/GIS Training/Consultation	CAD/GIS Users	0	18,000	Metro Detroit
Desktop Training Package	MCDR PC End-Users	0	5,625	Metro Detroit
		<u>\$780</u>	<u>\$31,105</u>	

(03) PERSONNEL

CRAM Conference	HR Employees	\$0	\$500	
Miscellaneous Training and Conferences	HR Employees	0	1,500	
		<u>\$0</u>	<u>\$2,000</u>	

(04) ADMINISTRATION

APA - American Planning Association	J. Crumm	\$300	\$0	
APA - Michigan Chapter	J. Crumm	80	550	TBD
American Institute of Certified Planners	J. Crumm	170	0	
Continuing Education	CHE Employees	0	200	
Miscellaneous Dues and Conferences	MCDR Employees	1,000	2,000	
		<u>\$1,550</u>	<u>\$2,750</u>	



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<i>(11) WASHINGTON TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	T. Scislowicz	\$200	\$0	
		<u>\$200</u>	<u>\$0</u>	
<i>(12) NEW HAVEN SERVICE CENTER</i>				
APWA - Membership	K. Paige	\$200	\$0	
		<u>\$200</u>	<u>\$0</u>	
<i>(13) CLINTON TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	J. Rogers	\$200	\$0	
		<u>\$200</u>	<u>\$0</u>	
<i>(14) SHELBY TOWNSHIP SERVICE CENTER</i>				
APWA - Membership	D. Wancour	\$200	\$0	
		<u>\$200</u>	<u>\$0</u>	
<i>(15) VEHICLE MAINTENANCE</i>				
APWA - Membership	G. Zukowski	\$200	\$0	
APWA - Fleet Maintenance Seminar	G. Zukowski	0	500	TBD
		<u>\$200</u>	<u>\$500</u>	
<i>(16) SUPERINTENDENT'S OFFICE</i>				
APWA - Membership	L. Ciavatta	\$200	\$0	
		<u>\$200</u>	<u>\$0</u>	



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
(18) RIGHT OF WAY				
Broker Continuing Education	ROW Personnel	\$0	\$70	Grand Blanc
Broker License Renewal	ROW Personnel	200	0	
IRWA - Membership	ROW Personnel	250	0	
MSPS - Membership	ROW Personnel	200	0	
IRWA - General Meetings	ROW Personnel	0	480	Various
IRWA - Fall Seminar	ROW Personnel	0	1,500	TBD
IRWA - Miscellaneous Classes	ROW Personnel	0	900	
Miscellaneous Classes	ROW Personnel	0	900	
		<u>\$650</u>	<u>\$3,850</u>	
(21) TRAFFIC				
American Society of Civil Engineers	A. Merchant	\$275	\$0	
ITE - Institute of Transportation Engineers	Merchant/Webb/Kudela	600	2,500	Various
Traffic Safety Summit	Traffic Employees	0	400	Lansing
Intelligent Transportation Society of Michigan	Traffic Employees	0	500	Various
Michigan Electrical License Renewal	Webb/Williamson	100	400	
Traffic Webinars	Traffic Employees	0	600	
State Engineering License Renewal	Westrick	80	0	
IMSA - International Municipal Signal Association	Traffic Employees	75	3,150	Cadillac
		<u>\$1,130</u>	<u>\$7,550</u>	
(22) ELECTRICAL				
IMSA - International Municipal Signal Association	G. Ramsey	\$75	\$0	
IMSA - Fall Conference	Electrical Employees	0	3,000	Cadillac
Michigan Traffic & Safety Summit	Electrical Employees	0	300	East Lansing
State of Michigan NEC Code Update Classes	Electrical Employees	0	2,400	
Michigan Electrical License Renewal	Electrical Employees	500	0	
		<u>\$575</u>	<u>\$5,700</u>	



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<i>(23) SIGN DEPARTMENT</i>				
IMSA - International Municipal Signal Association	R. Sabaugh	\$75	\$0	
IMSA - Fall Conference	Sign Employees	0	2,000	Cadillac
Mimaki Printer Training Courses	Sign Artisans	0	1,000	
		<u>\$75</u>	<u>\$3,000</u>	
<i>(24) ENGINEERING</i>				
Field Manager Users Group	C. Head	\$0	\$300	
CRAM Conferences	W. Schell	0	1,000	
Michigan Concrete Association - Level I	Holmberg/Rohrbeck	0	1,400	Detroit
Michigan Certified Bit Lab Tech - Level I	P. Prevost	0	1,335	Big Rapids
ACI Concrete Strength Testing	Rechtzigel/Prevost	0	900	Macomb
Michigan Bridge Conference	S. Wanagat	0	200	
Michigan Society of Professional Surveyors	Chechack/Matz	600	650	Sault Ste. Marie
Professional Engineer License Renewal	Armbruster/Pawloski/Santo	240	0	
Engineering Society of Detroit	A. Pawloski	100	0	
American Society of Civil Engineers	J. Armbruster	260	0	
County Engineer Workshop	W. Schell	0	450	Manistee
Michigan Society of Professional Engineers	S. Wanagat	110	0	
Continuing Education	Engineers/Design	0	650	
		<u>\$1,310</u>	<u>\$6,885</u>	
<i>(31) PURCHASING/STOCKROOM</i>				
Michigan Public Purchasing Officers Association	Strizic/Giedroc	\$350	\$1,100	Various
National Institute of Governmental Purchasing Training	Purchasing Staff	0	600	
NAFA Fleet Management Association	T. Goike	480	0	
MPPOA	T. Goike	75	0	
MMPOA	Purchasing Staff	0	400	Various
		<u>\$905</u>	<u>\$2,100</u>	



Macomb County Department of Roads

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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
<i>(32) PERMITS</i>				
Engineering Society of Detroit	G. Melistas	\$130	\$0	
National Society of Professional Engineers	G. Melistas	300	0	
American Society of Civil Engineers	G. Melistas	320	0	
PUSH Meetings (Precision Training)	L. Danna	0	150	
Troxler Nuclear Gauge Safety and HAZMAT Training	B. Hofman	0	150	
Michigan Density Control Certification	B. Hofman	0	1,350	
		<u>\$750</u>	<u>\$1,650</u>	
 <i>AGENCY</i>				
Weighmaster		\$20,000	\$0	
Miss Dig Fee		4,600	0	
CRAM		26,000	0	
National Institute of Governmental Purchasing		400	0	
OPIS		400	0	
MI Deal		600	0	
Intelligent Transportation Society of America		2,500	0	
Intelligent Transportation Society of Michigan		300	0	
		<u>\$54,800</u>	<u>\$0</u>	
 TOTALS		 <u>\$63,725</u>	 <u>\$67,090</u>	



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(02) FINANCE & M.I.S.		
Audit Fee	\$40,000	
Checks, Forms, Folders, Envelopes, Binders, Labels etc.	5,000	
Miscellaneous - Network Activity	20,000	
Miscellaneous - Service/Subscription/Maintenance	12,000	
Maintenance - Cisco Hardware Maintenance/Support	13,000	
Maintenance - General PC & Peripheral	35,000	
Maintenance - IBM Server Hardware	3,000	
Maintenance - Formax Folder / Sealer Machine	800	
Service - Bentley Software Support (Engineering)	28,000	
Service - AT&T Network Fiber ATM Site Cmn 3 Year	88,000	
Service - Disaster Recovery Plan - 2yr	25,000	
Service - DocuSphere Content Manager Software Support (Imaging)	4,000	
Service - Fuel Master Fuel System Support	1,300	
Service - GIS Consulting Services - ROW Easements (Phase 1 of 2)	49,900	
Service - GIS Consulting Services - Certification GIS & Miscellaneous CAD/GIS	18,000	
Service - GIS Software Maintenance (ArcEditor-2 License, ArcGIS Server-1 License & ArcGIS Publisher - 1 License)	4,700	
Service - Internet Service Provider (ISP) DSL for Lab	1,000	
Service- MS Office Pro Plus ALNG SA MVL (120 license) Yearly	15,000	
Service - MS WinPro ALNG UpgradeSAPk MVL (120 lic) Yearly	7,000	
Service - MS SQL Server 2005/SA (2 Lic-SQL1/APPS2) & Win Server 2003/SA (4 Lic-SQL/APPS2/TOC1/CAD1)	2,500	



Macomb County Department of Roads

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SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(02) FINANCE & MIS - (Continued)		
Service - Radmin Remote Access Software (100 License) - Additional License/Upgrade (no maintenance)	3,000	
Service - Spam Software - McAfee E-mail Protection and Continuity - MXLogic	2,300	
Service - Virus Software - Avast! Endpoint Protection Suite (212 License)	3,200	
Service - Exchange Licensing	15,000	
Service - Sybase SQL Anywhere Support	600	
Service - Symantec Backup Exec License Support	700	
Service - VMware Veeam Backup Software (2 License)	1,000	
Service - VMware vSphere 4 Essentials for Virtual Server	700	
Service - Web Hosting	300	
Service - WebSense Annual License (200 License)	7,500	
		\$407,500
(03) PERSONNEL		
CDL Reimbursement	500	
Training	3,000	
Surveillance	3,000	
Arbitration Fees	10,000	
Independent Medical Exams	8,000	
Legal Fees (Negotiations)	125,000	
Henry Ford - Random Drug Testing	5,000	
C. E. and Associates - Random Drug Testing	10,000	
		\$164,500



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(04) ADMINISTRATION		
Subscriptions (various)	\$650	
Administration Building Cleaning	6,000	
Lobbyist	23,000	
Accurate Alarm (Nightwatch)	20,000	
Radio User Fees - 800Mzh	15,000	
Auto Sentry Alarm	3,400	
New Administration Building Maintenance	20,000	
DPW Projects	110,000	
Moving Road Claims	50,000	
MDEQ Underground Storage Tanks (UST) Registrations	1,500	
Legal Matters/Settlements/Deductibles	50,000	
Postage	20,000	
		\$319,550
(15) VEHICLE MAINTENANCE		
All Data Online Repair Manuals	\$1,500	
Noregon System Software Annual Fee - All Service Centers	2,500	
Update Software for Genysis Computer	1,500	
Sandblast and Paint Trucks and Equipment	25,000	
Contract out Major Repairs on Equipment	100,000	
Undercoating New Equipment	7,500	
Motorola Radio Maintenance	33,000	
		\$171,000



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(16) SUPERINTENDENTS OFFICE		
Emergency Road Repairs	\$82,000	
DEQ Compliance Fees at MCDOR Facilities	50,000	
MIOSHA Inspection & Certification at MCDOR Facilities	40,000	
Deicing Chemicals for Winter Maintenance	20,000	
Landfill Fees	60,000	
Software Maintenance for GPS Systems on Trucks	45,000	
Safety and Training	8,000	
Snow/Patching/Mowing Contracts-Municipalities & Contractors	125,000	
Tree Removal Contract	115,000	
Contract Labor	25,000	
Emergency Repairs at Service Centers	100,000	
		\$670,000
(18) RIGHT OF WAY		
Land Access Subscription	\$1,500	
Contract Labor	150,000	
Condemnation Awards	500,000	
		\$651,500



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(21) TRAFFIC		
Communication Pole Equipment Maintenance	\$48,000	
Traffic Signal Local Controller Software Maintenance	60,000	
Field Network Architecture Development and Design	250,000	
Network Management System	80,000	
Traffic Count and Data Collection Program	55,000	
Longitudinal Pavement Marking	475,000	
Special Ledged Pavement Markings	175,000	
Communication Poles - Emergency UPS System	150,000	
		\$1,293,000
(22) ELECTRICAL		
Replacement & Upgrades to Pump Stations	\$50,000	
Emergency Repairs to Stormwater Pumps	20,000	
Ceiling Fans for Shop	1,000	
Storage Cabinets	2,500	
Paper Shredder	150	
		\$73,650
(23) SIGN DEPARTMENT		
Annual Maintenance for Mimaki Heat Laminator	\$3,500	
		\$3,500



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(24) ENGINEERING		
Subscriptions & Publications	\$500	
Cell Phone GPS	1,600	
Miscellaneous Lab/Testing Equipment Service/Calibration	5,000	
GPS Firmware Maintenance	1,800	
NRC Nuclear License for gauges	5,000	
Dosimeter Badge Service Contract	3,000	
Environmental Contracts	20,000	
Miscellaneous Testing Services	20,000	
Construction Stakes	4,000	
Bridge Design Contracts	100,000	
Miscellaneous GIS Consulting Services	3,000	
Miscellaneous CAD Consulting Services	3,000	
Certification GIS Consulting Services	12,000	
KIP Maintenance Contract	2,400	
Miscellaneous Lab Equipment	5,000	
Miscellaneous Survey Equipment	5,000	
		\$191,300



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(31) PURCHASING/STOCKROOM		
Contract Labor	\$11,000	
Emergency Fund - Non-Capital Equipment & Purchases	\$10,000	
		\$21,000
(32) PERMITS		
Laminator Machine Maintenance Contract	\$650	
Printing - Miscellaneous forms, permits, daily cards etc.	3,000	
		\$3,650
GRAND TOTAL		\$3,970,150



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



ROAD MAINTENANCE COSTS

TOTAL FIELD BUDGET for:

	<u>Primary Road</u>	<u>Local Road</u>	<u>State Trunkline</u>	<u>Totals</u>
MAINTENANCE	\$5,365,000	\$6,433,800	\$2,448,698	\$14,247,498
TRAFFIC	1,570,100	475,250	439,678	2,485,028
SUPERVISION	<u>625,000</u>	<u>325,000</u>	<u>200,000</u>	<u>1,150,000</u>
TOTAL COUNTY	\$7,560,100	\$7,234,050	\$3,088,376	\$17,882,526
Total Fringe Benefits	<u>3,100,000</u>	<u>2,480,000</u>	<u>1,300,000</u>	<u>6,880,000</u>
SUBTOTAL	\$10,660,100	\$9,714,050	\$4,388,376	\$24,762,526
Total Overhead	<u>1,918,818</u>	<u>1,748,529</u>	<u>1,097,094</u>	<u>4,764,441</u>
GRAND TOTAL	<u><u>\$12,578,918</u></u>	<u><u>\$11,462,579</u></u>	<u><u>\$5,485,470</u></u>	<u><u>\$29,526,967</u></u>



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M100 Blow-up Repair	\$0	\$0	\$0	\$0
M101 Joint & Crack Filling	150,000	175,000	55,000	380,000
M102 Replace Concrete Pavement	160,000	450,000	400,000	1,010,000
M103 Patrol Patching	900,000	280,000	0	1,180,000
M104 Hot Patching	100,000	95,000	25,000	220,000
M105 Sawing Pavement	20,000	55,000	25,000	100,000
M107 Grade Gravel Surface	70,000	900,000	0	970,000
M108 Patch Gravel Surface	75,000	1,200,000	0	1,275,000
M109 Surface Maintenance	60,000	150,000	70,000	280,000
M110 State Trunkline/Freeway Patching	0	0	0	0
<i>109 SURFACE MAINTENANCE</i>	<i>\$1,535,000</i>	<i>\$3,305,000</i>	<i>\$575,000</i>	<i>\$5,415,000</i>
M120 Dust Layer Surface	50,000	320,000	0	370,000
<i>CHLORIDE APPLICATION</i>	<i>\$50,000</i>	<i>\$320,000</i>	<i>\$0</i>	<i>\$370,000</i>
M130 Blading Shoulders	200,000	20,000	10,000	230,000
M131 Berm Removal	8,000	20,000	0	28,000
M132 Patch Gravel Shoulder	65,000	10,000	6,000	81,000
<i>119 SHOULDER MAINTENANCE</i>	<i>\$273,000</i>	<i>\$50,000</i>	<i>\$16,000</i>	<i>\$339,000</i>
M140 Tree Removal	80,000	150,000	25,000	255,000
M141 Tree/Brush Trimming	130,000	168,000	60,000	358,000
M142 Stump Removal	12,000	35,000	2,000	49,000
M143 Log Removal	0	1,800	0	1,800
M144 Tree Removal Contracts	53,000	62,000	0	115,000
<i>121 TREES & SHRUBS</i>	<i>\$275,000</i>	<i>\$416,800</i>	<i>\$87,000</i>	<i>\$778,800</i>
M150 Clean Catch Basins	40,000	50,000	52,500	142,500
M151 Repair Catch Basins	85,000	150,000	25,000	260,000
M152 Build Catch Basins	4,000	2,000	0	6,000
M153 Ditch Cleanout	150,000	475,000	15,000	640,000
M154 Powerflushing Culverts	20,000	70,000	5,000	95,000
M155 Culvert/Underdrain Maintenance	55,000	* 150,000	6,000	211,000
M156 Erosion Control	50,000	70,000	12,000	132,000
<i>122 DRAINAGE STRUCTURES</i>	<i>\$404,000</i>	<i>\$967,000</i>	<i>\$115,500</i>	<i>\$1,486,500</i>



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M160 Full Width Litter Pickup	0	0	0	0
M161 Patrol Litter Pickup	60,000	50,000	10,198	120,198
M162 Litter Hauling Contract	0	0	0	0
<i>124 ROADSIDE CLEANUP</i>	\$60,000	\$50,000	\$10,198	\$120,198
M170 Swath Mowing	200,000	175,000	35,000	410,000
M171 Mowing Contracts	90,000	0	0	90,000
M172 Weedspray Contracts	0	0	0	0
<i>126 GRASS AND WEED CONTROL</i>	\$290,000	\$175,000	\$35,000	\$500,000
M180 Approach Sweeping	25,000	4,000	2,000	31,000
M181 Curb Sweeping	200,000	40,000	25,000	265,000
M182 Freeway Sweeping	0	0	280,000	280,000
M183 Sweeping Contracts	0	0	0	0
M184 Sweeping Disposal	40,000	8,000	53,000	101,000
<i>132 SWEEPING AND FLUSHING</i>	\$265,000	\$52,000	\$360,000	\$677,000
M190 R.O.W. Fence Repair	8,000	3,000	50,000	61,000
<i>137 R.O.W. FENCE REPAIR</i>	\$8,000	\$3,000	\$50,000	\$61,000
M200 Other Routine Maintenance	8,000	15,000	3,000	26,000
<i>139 OTHER ROUTINE MAINTENANCE</i>	\$8,000	\$15,000	\$3,000	\$26,000
M210 Maintain Snow Route RT	825,000	90,000	440,000	1,355,000
M211 Maintain Snow Route OT	1,100,000	155,000	525,000	1,780,000
M212 Scrape/Salt Non-Route Road RT	40,000	625,000	0	665,000
M213 Scrape/Salt Non-Route Road OT	2,000	160,000	0	162,000
M214 Erect/Remove Snow Fence	80,000	20,000	5,000	105,000
M215 Winter Maintenance Contract	45,000	0	0	45,000
M216 Anti-Ice System	0	0	15,000	15,000
M220 Night Patrol	40,000	2,000	60,000	102,000
M230 Other Winter Maintenance	25,000	10,000	122,000	157,000
<i>141 SNOW AND ICE REMOVAL</i>	\$2,157,000	\$1,062,000	\$1,167,000	\$4,386,000



Macomb County Department of Roads

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ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M240 Bridge Repair	20,000	10,000	6,000	36,000
151 STRUCTURE MAINTENANCE	\$20,000	\$10,000	\$6,000	\$36,000
M250 Structure Painting	0	0	0	0
152 STRUCTURE PAINTING	0	0	0	0
M280 Emergency Road Maintenance	20,000	8,000	24,000	52,000
190 EMERGENCY ROAD MAINTENANCE	\$20,000	\$8,000	\$24,000	\$52,000
TOTAL FIELD BUDGET for MAINTENANCE	\$5,365,000	\$6,433,800	\$2,448,698	\$14,247,498
M500 Replace Steel Beam Guardrail RT	155,000	83,000	78,982	316,982
M501 Replace Steel Beam Guardrail OT	5,000	3,000	2,000	10,000
130 GUARDRAIL AND POST	\$160,000	\$86,000	\$80,982	\$326,982
M542 Pumphouse Energy	4,500	0	0	4,500
153 PUMPHOUSE ENERGY	\$4,500	\$0	\$0	\$4,500
M510 Sign Maintenance RT	250,000	275,000	121,248	646,248
M511 Sign Maintenance OT	30,000	30,000	13,000	73,000
M512 Sign Shop Work RT	0	0	0	0
M513 Sign Shop Work OT	0	0	0	0
M514 Overhead Signs - Electrical	750	0	500	1,250
M515 Overhead Signs - Non Electrical	16,000	0	500	16,500
M516 Other Traffic Maintenance	165,000	0	18,000	183,000
160 TRAFFIC SIGNS	\$461,750	\$305,000	\$153,248	\$919,998
M520 Relamp Electrical Device 3 Man	50,000	0	39,698	89,698
M521 Relamp Electrical Device 2 Man	25,000	0	18,000	43,000
M522 Signal Trouble Call RT	40,000	0	25,000	65,000
M523 Signal Trouble Call OT	67,000	0	40,000	107,000
M524 Controller Maintenance	20,000	0	15,000	35,000
M527 Signal Operations Adjustment	9,500	0	5,000	14,500
M528 Remove/Replace Signals	6,500	0	500	7,000
M529 Emergency Signal Remove/Repair RT	18,000	0	12,000	30,000
M530 Emergency Signal Remove/Repair OT	60,000	0	18,000	78,000



Macomb County Department of Roads

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ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M531 Install Signals	5,000	0	50	5,050
M532 Signal Shop Work	1,500	0	0	1,500
M533 Signal Modernization	80,000	0	10,000	90,000
M540 Signal Energy	425,000	45,000	0	470,000
<i>161 TRAFFIC SIGNALS</i>	\$807,500	\$45,000	\$183,248	\$1,035,748
M550 Traffic Counter Maintenance	2,000	30,000	0	32,000
<i>239 TRAFFIC COUNTER MAINTENANCE</i>	\$2,000	\$30,000	\$0	\$32,000
M560 Paint Guidelines RT	120,000	1,000	0	121,000
M561 Paint Guidelines OT	1,000	0	0	1,000
M562 Pavement Messages RT	10,000	8,000	1,200	19,200
M563 Pavement Messages OT	1,000	0	0	1,000
<i>162 PAVEMENT MARKINGS</i>	\$132,000	\$9,000	\$1,200	\$142,200
M570 Delineator Maintenance RT	2,350	250	15,000	17,600
M571 Delineator Maintenance OT	0	0	0	0
<i>164 DELINEATOR MAINTENANCE</i>	\$2,350	\$250	\$15,000	\$17,600
M580 Attenuator Maintenance RT	0	0	5,000	5,000
M581 Attenuator Maintenance OT	0	0	1,000	1,000
<i>165 ATTENUATOR MAINTENANCE</i>	\$0	\$0	\$6,000	\$6,000
TOTAL FIELD BUDGET for TRAFFIC	\$1,570,100	\$475,250	\$439,678	\$2,485,028



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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Cass Avenue - West of Heydenreich</u>						
<i>Slope Stabilization</i>						
HM	20,000		40,000	300,000		360,000
					MCDOR	360,000
<u>W. O. Garfield - South of Millar to 17 Mile Road</u>						
<i>Capital Preventative Maintenance</i>						
HM	49,000		122,000	813,000		984,000
					STU	650,400
					MCDOR	333,600
<u>W. O. Gratiot Avenue - 26 Mile to New Haven Road</u>						
<i>Rehab and Center Turn Lane</i>						
HM	36,000		67,500	450,000		553,500
					MCDOR	553,500
<u>W. O. Hayes Road - 21 Mile to 23 Mile Road (NC 60% - HM 40%) - (Carry-over)</u>						
<i>Widen to 5 Lanes</i>						
NC			479,970	3,199,800		3,679,770
HM			319,980	2,133,200		2,453,180
Total			799,950	5,333,000		6,132,950
					TEDFC	4,906,663
					SHELBY TWP	306,572
					MACOMB TWP	306,572
					MCDOR	613,143

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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Metropolitan Parkway - M-97 to M-3 (NC 33% - HM 67%) - (Carry-over)</u>						
<i>Widen to 6 Lane Boulevard</i>						
NC	72,600		297,000	1,980,000		2,349,600
HM	147,400		603,000	4,020,000		4,770,400
Total	220,000		900,000	6,000,000		7,120,000
					TEDFC	3,164,527
					NHPP	1,401,240
					STU	234,233
					MCDOR	2,320,000
<u>W. O. Mound Road - I-696 to Rinke</u>						
<i>Capital Preventative Maintenance</i>						
HM	84,000		210,000	1,406,000		1,700,000
					STU	1,125,000
					MCDOR	575,000
<u>W. O. Mound Road - 18 Mile Road to M-59</u>						
<i>Capital Preventative Maintenance</i>						
HM	125,000		250,000	2,500,000		2,875,000
					NHPP	1,373,800
					STU	626,200
				STERLING HEIGHTS		437,500
				MCDOR		437,500

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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. North Avenue - M-59 to 21 Mile Road (NC 60% - HM 40%) - (Carry-over)</u>						
<i>Widen to 5 Lanes</i>						
NC			324,000	2,160,000		2,484,000
HM			216,000	1,440,000		1,656,000
Total			540,000	3,600,000		4,140,000
					TEDFC	3,312,000
					MACOMB TWP	414,000
					MCDOR	414,000
<hr/>						
<u>W. O. Romeo Plank at 22 Mile Road</u>						
<i>Reconstruct/Roundabout</i>						
HM	35,000					35,000
					MCDOR	35,000
<hr/>						
<u>W. O. Van Dyke - West Road to Campground (NC 50% - HM 50%)</u>						
<i>Widen to 3 Lanes</i>						
NC	75,750	5,000	142,000	947,000		1,169,750
HM	75,750	5,000	142,000	947,000		1,169,750
Total	151,500	10,000	284,000	1,894,000		2,339,500
					STU	1,515,200
					WASHINGTON TWP	412,150
					MCDOR	412,150
<hr/>						

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



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 23 Mile Road - North Avenue to Fairchild (NC 60% - HM 40%)</u>						
<i>Reconstruct and Widen</i>						
NC	60,000	120,000				180,000
HM	40,000	80,000				120,000
Total	100,000	200,000				300,000
					MACOMB TWP	150,000
					MCDOR	150,000
<u>W. O. 32 Mile Road - Van Dyke to Clinton Street (NC 50% - HM 50%)</u>						
<i>Reconstruct and Widen</i>						
NC	48,000		72,000	480,000		600,000
HM	48,000		72,000	480,000		600,000
Total	96,000		144,000	960,000		1,200,000
					STU	883,200
					ROMEO	158,400
					MCDOR	158,400
<u>W. O. 34 Mile Road - Campground to Fisher - (Carry-over)</u>						
<i>Pave Gravel Road</i>						
HM			315,000	2,100,000		2,415,000
					STPU	1,680,000
					RAY TWP	367,500
					MCDOR	367,500

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



Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 2015 MDOT Final Accountings</u>						
County Wide						
HM				100,000		100,000
					MCDOR	<u>100,000</u>
<u>W. O. 2015 Survey & Design</u>						
County Wide						
HM	100,000					100,000
					MCDOR	<u>100,000</u>
<u>W. O. 2015 Pavement Preservation - Primary</u>						
County Wide						
HM	50,000		150,000	1,500,000		1,700,000
					MCDOR	<u>1,700,000</u>
<u>W. O. 2015 Rural Road Resurfacing</u>						
County Wide						
HM	21,000		36,000	356,000		413,000
					STL	<u>285,000</u>
					MCDOR	<u>128,000</u>

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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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 2015 Various County Roads GPA</u>						
<i>County Wide</i>						
HM	330,700		621,200	4,135,150		5,087,050
					STU	3,308,117
					MCDOR	1,778,933
<hr/>						
<u>W. O. 2015 Bridge Inspection - Primary</u>						
<i>County Wide</i>						
HM				60,000		60,000 B
					MCDOR	60,000
<hr/>						
<u>W. O. 2015 Guardrail Installation</u>						
<i>County Wide</i>						
HM	11,000		18,000	225,000		254,000
					MCDOR	254,000
<hr/>						
<u>W. O. 2015 Signal Modernizations</u>						
<i>County Wide</i>						
HM	13,000				260,000	273,000
					MCDOR	273,000
<hr/>						

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Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



CONSTRUCTION - PRIMARY ROADS and BRIDGES

	<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 2015 New Signals</u>						
<i>County Wide</i>						
HM	7,000				130,000	137,000
					MCDOR	<u>137,000</u>
<u>W. O. 2015 LED Retrofit</u>						
<i>County Wide</i>						
HM	11,000		36,000	225,000		272,000
					MCDOR	<u>272,000</u>
<u>W. O. 2015 Soil Borings</u>						
<i>County Wide</i>						
HM	2,000		3,000	21,000		26,000
					MCDOR	<u>26,000</u>
<u>W. O. Signal Upgrades - (Carry-over)</u>						
<i>Hoover, Hayes, Harper, Garfield, 12 Mile Road, Schoenherr</i>						
HM			1,000	1,000		2,000
					CMAQ	<u>1,000</u>
					MCDOR	<u>1,000</u>

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Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



CONSTRUCTION - PRIMARY ROADS and BRIDGES

<u>Design</u>	<u>R.O.W</u>	<u>Construction Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Signal Upgrades - (Carry-over)</u>					
<i>Metropolitan Parkway - Cross-over West of Ryan to Cross-over East of Harper</i>					
HM		1,000	1,000		2,000
				CMAQ	1,000
				MCDOR	1,000
<hr/>					
<u>W. O. Signal Upgrades - (Carry-over)</u>					
<i>Mound Road - 9 Mile to 18 Mile Road</i>					
HM		19,250	120,000		139,250
				HSIP	95,000
				STERLING HEIGHTS	3,000
				WARREN	4,000
				MCDOR	37,250
<hr/>					
<u>W. O. Signal Upgrades - (Carry-over)</u>					
<i>21 Mile Road - Van Dyke to Jefferson</i>					
HM		19,250	120,000		139,250
				HSIP	95,000
				MCDOR	44,250
<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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Signal Upgrades - (Carry-over)</u>					
9 Mile at Marmon/Marion, 21 Mile at Tilch					
22 Mile at Shelby, Hayes at Clinton River					
HM		19,250	120,000		139,250
				HSIP	95,000
				STERLING HEIGHTS	1,500
				WARREN	6,250
				MCDOR	36,500
<u>W. O. Wireless Backhauls - (Carry-over)</u>					
Various Locations					
HM		88,400	650,000		738,400
				CMAQ	650,000
				MCDOR	88,400
<u>W. O. Signal Optimization - (Carry-over)</u>					
Hoover, Hayes, Harper, Garfield					
HM			83,000		83,000
				CMAQ	83,000

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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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Congestion Mitigation & Air Quality - (Carry-over)</u>						
<i>Managed Switches</i>						
HM	45,000		8,000	45,000		98,000
					CMAQ	45,000
					MCDOR	53,000
<hr/>						
<u>W. O. Congestion Mitigation & Air Quality - (Carry-over)</u>						
<i>Traffic Surveillance Cameras</i>						
HM	45,000		8,000	44,000		97,000
					CMAQ	44,000
					MCDOR	53,000
<hr/>						
<u>W. O. Congestion Mitigation & Air Quality - (Carry-over)</u>						
<i>Miscellaneous Actuation at 19 Locations</i>						
HM	55,000		9,000	53,000		117,000
					CMAQ	53,000
					MCDOR	64,000
<hr/>						
<u>W. O. Congestion Mitigation & Air Quality - (Carry-over)</u>						
<i>15 & 17 Actuation</i>						
HM	25,000		4,000	25,000		54,000
					CMAQ	25,000
					MCDOR	29,000
<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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Signal Optimization - (Carry-over)</u>					
<i>Metropolitan Parkway</i>					
HM			116,000		116,000
				CMAQ	<u>116,000</u>
<u>W. O. 2013 Safety Projects - (Carry-over)</u>					
<i>3 Full Modernizations</i>					
HM		4,000	50,000		54,000
				HSIP	<u>10,000</u>
				MCDOR	<u>44,000</u>
<u>W. O. 2014 Safety Projects - (Carry-over)</u>					
<i>Metropolitan Parkway</i>					
HM		128,000	800,000		928,000
				HSIP	<u>600,000</u>
				MCDOR	<u>328,000</u>
<u>W. O. 2014 Safety Projects - (Carry-over)</u>					
<i>6 Full Modernizations</i>					
HM		160,000	1,000,000		1,160,000
				HSIP	<u>600,000</u>
				MCDOR	<u>560,000</u>

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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 & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Signal Optimization</u>					
<i>Mound Road, 10, 12, & 15 Mile Roads</i>					
<i>Schoenherr Road</i>					
HM			870,000		870,000
				CMAQ	870,000
<hr/>					
<u>W. O. 2015 Traffic Operations Center</u>					
<i>TOC Operations, Maintenance and Equipment</i>					
HM		425,000	1,700,000		2,125,000
				CMAQ	1,700,000
				MCDOR	425,000
<hr/>					
TOTALS . . . PRIMARY ROADS and BRIDGES					
<u>\$1,632,200</u>	<u>\$210,000</u>	<u>\$5,430,800</u>	<u>\$37,776,150</u>	<u>\$390,000</u>	<u>\$45,439,150</u>

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Macomb County Department of Roads

October 1, 2014 thru September 30, 2015



CONSTRUCTION - LOCAL ROADS and BRIDGES

	<u>Design</u>	<u>R-O-W</u>	<u>Constr Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Chapman Road x Deer Creek - (Carry-over)</u>						
<i>Replace Bridge</i>						
HM		5,000	101,250	675,000		781,250 B
					LOCAL BRIDGE	641,250
					MCDOR	140,000
<u>W. O. East Archer Drive x Canal - (Carry-over)</u>						
<i>Replace Bridge</i>						
HM	30,000	5,000	79,500	530,000		644,500 B
					LOCAL BRIDGE	503,500
					HARRISON TWP	70,500
					MCDOR	70,500
<u>W. O. Irwin Road at Coon Creek</u>						
<i>Replace Culvert</i>						
HM	10,000		45,000	350,000		405,000
					MCDOR	405,000
<u>W. O. Lakeshore Drive x Canal</u>						
<i>Replace Bridge</i>						
HM	47,200	10,000	88,500	590,000		735,700 B
					LOCAL BRIDGE	560,500
					HARRISON TWP	87,600
					MCDOR	87,600

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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>Constr Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. Luchtman Road - North of 25 Mile Road to 26 Mile Road</u>						
<i>Pave Gravel</i>						
HM	55,000	5,000	110,000	850,000		1,020,000
					MACOMB TWP	612,000
					MCDOR	408,000
<u>W. O. Wolcott Road x Deer Creek - (Carry-over)</u>						
<i>Replace Bridge</i>						
HM			69,750	465,000		534,750 B
					LOCAL BRIDGE	441,750
					MCDOR	93,000
<u>W. O. 24 Mile Road - East of Springdale to Foss - (Carry-over)</u>						
<i>Pave Gravel</i>						
HM			150,000	1,000,000		1,150,000
					MACOMB TWP	690,000
					MCDOR	460,000
<u>W. O. 30 Mile Road/Powell - M-53 East of Powell/Powell 30 Mile Road to 1/2 Mile North</u>						
<i>Pave Gravel</i>						
HM	70,000		180,000	1,000,000		1,250,000
					WASHINGTON TWP	750,000
					MCDOR	500,000

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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>Constr Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 33 Mile Road x North Branch Clinton River - (Carry-over)</u>						
<i>Bridge Replacement</i>						
HM	62,000	10,000	116,250	775,000		963,250 B
					LOCAL BRIDGE	736,250
					MCDOR	227,000
<hr/>						
<u>W. O. 2015 Pavement Preservation - Local</u>						
<i>County Wide</i>						
HM	50,000		150,000	1,500,000		1,700,000
					MCDOR	1,700,000
<hr/>						
<u>W. O. 2015 Subdivision Reconstruction</u>						
<i>County Wide</i>						
HM	112,000		240,000	1,648,000		2,000,000
					TOWNSHIPS	1,000,000
					MCDOR	1,000,000
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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>Constr Engineering</u>	<u>Contract</u>	<u>Sign & Signal</u>	<u>Totals & Financing</u>
<u>W. O. 2015 Limestone Program - Local</u>					
County Wide					
HM			1,170,000		1,170,000
				TOWNSHIPS	117,000
				MCDOR	1,053,000
<hr/>					
<u>W. O. 2015 Non-Motorized Projects</u>					
County Wide					
HM			125,000		125,000
				MCDOR	125,000
<hr/>					
<u>W. O. 2015 - Bridge Inspection - Local</u>					
County Wide					
HM			15,000		15,000 B
				MCDOR	15,000
<hr/>					
TOTALS . . . LOCAL ROADS and BRIDGES					
<u>\$436,200</u>	<u>\$35,000</u>	<u>\$1,330,250</u>	<u>\$10,693,000</u>	<u>\$0</u>	<u>\$12,494,450</u>

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