

Macomb County Department of Roads 2011-2012 Budget

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



Mark A. Hackel
County Executive

October 1, 2011
through
September 30, 2012



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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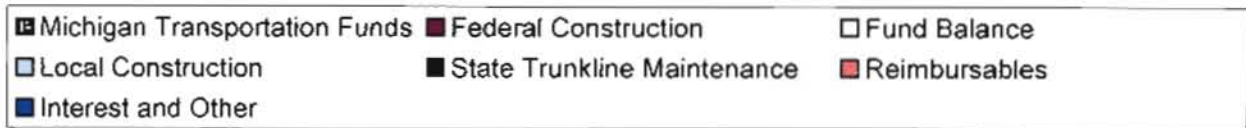
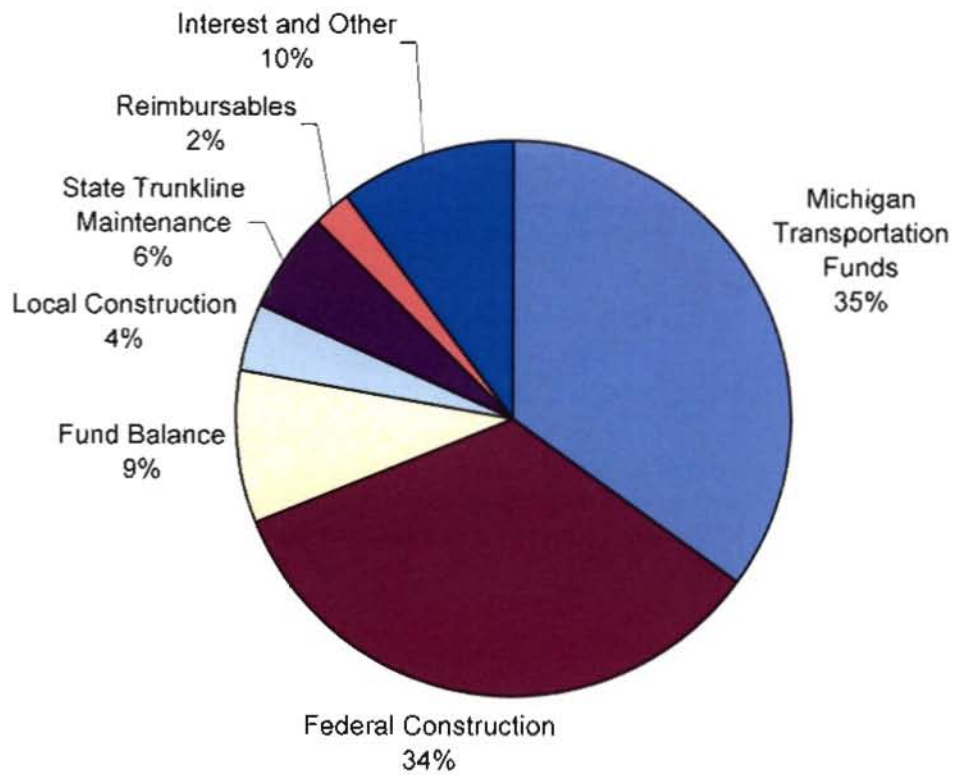
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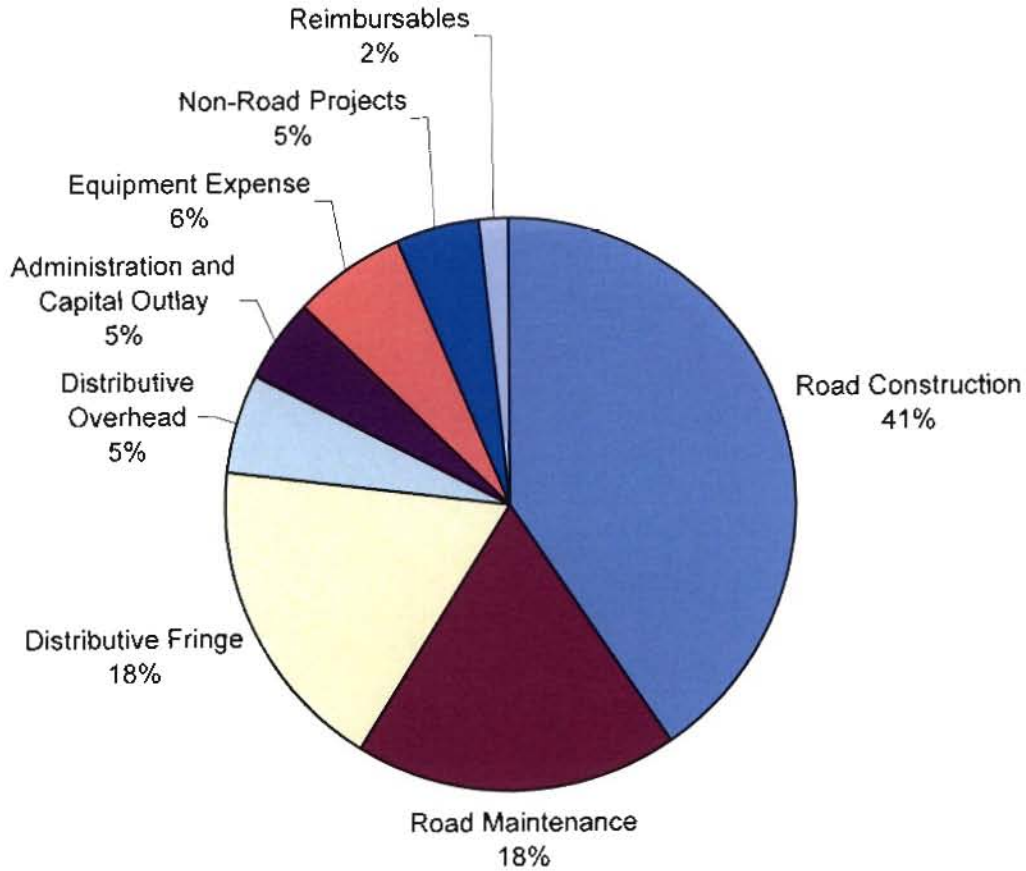


2011/2012 Budgeted Revenues by Category





2011/2012 Budgeted Expenditures by Category





Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



GENERAL APPROPRIATIONS ACT

BE IT RESOLVED, that revenues for the fiscal year commencing October 1, 2011 and ending September 30, 2012 are hereby appropriated by account consistent with the Uniform Chart of Accounts prescribed by the Department of Treasury, as follows:

Account No.	Description	2009/2010 Actual	2010/2011 Original Budget	2011/2012 Original Budget
490.000	Permit Fees	\$304,064	\$545,000	\$420,000
491.000	Tap-in Fees	750	1,500	1,200
493.000	Cab Card Fees	43,600	60,000	50,000
494.000	Review for Site Plan Fee	8,400	25,000	10,000
510.000	Grants	6,454,064	4,015,300	75,000
511.000	Federal Construction Projects	19,313,503	21,330,291	28,705,932
546.000	Michigan Transportation Fund	34,317,346	32,610,000	33,120,000
546.000	Build Michigan Fund	1,412,801	1,296,000	1,296,000
547.000	Local Bridge Fund	1,247,950	4,370,000	4,618,900
583.001	Cities	790,276	981,230	174,233
583.002	County Appropriation	594,799	483,650	0
583.004	Townships	1,221,987	3,329,984	3,228,852
608.000	Subdivision Inspection	13,891	100,000	50,000
609.000	Driveway Installation Fees	12,355	12,000	15,000
610.000	Sundry Accounts Receivable	898,405	1,005,000	1,012,500
627.000	State Trunkline Maintenance	7,723,237	5,759,461	5,566,727
628.000	State Non-Maintenance	610,143	700,000	700,000
645.000	Plans and Specifications	3,240	2,000	2,000
650.000	Material Handling Fees	38,565	50,000	40,000
665.000	Interest Earned	274,239	177,238	177,925
669.000	Equipment Rental Credits	6,284,974	7,303,444	7,066,671
673.000	Sales of Property and Equipment	267,827	82,500	110,411
680.000	Other Construction Contributions	1,713,828	0	560,000
685.000	Accident Recovery	147,842	50,000	50,000
690.000	Depreciation Credits	2,338,405	2,487,500	2,398,000
696.000	Capital Projects Fund Transfer	1,263,671	0	250,000
	Miscellaneous Revenue	2,564	1,550	1,550
TOTAL REVENUES - COUNTY ROAD FUND . . .		\$87,302,728	\$86,778,648	\$89,700,900



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



GENERAL APPROPRIATIONS ACT

AND, BE IT FURTHER RESOLVED, that expenditures for the fiscal year commencing October 1, 2011 and ending September 30, 2012 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	2009/2010 Actual	2010/2011 Original Budget	2011/2012 Original Budget
451	Primary Road Construction	\$4,207,627	\$5,689,290	\$5,030,631
459	Primary Road Heavy Maintenance	21,505,865	21,876,589	23,088,496
460	Primary Bridge Heavy Maintenance	6,101,921	6,999,161	5,748,183
464	Primary Drain Assessment	0	100,000	150,000
467	Primary Road Maintenance	6,098,550	6,807,466	7,995,250
481	Local Road Construction	1,383,406	50,000	50,000
489	Local Road Heavy Maintenance	1,810,469	2,583,480	4,666,151
490	Local Bridge Heavy Maintenance	628,972	65,000	1,020,622
494	Local Drain Assessment	72,381	100,000	150,000
497	Local Road Maintenance	5,774,272	6,437,583	6,642,550
505	Sundry Accounts Receivable	656,386	773,500	816,000
507	Subdivision Inspection	5,053	45,000	15,000
508	Permit Inspection	169,345	215,000	215,000
510	Direct Equipment	2,848,537	3,436,000	3,299,000
511	Indirect Equipment	1,502,058	1,772,178	1,836,050
512	Operating Equipment	769,800	1,000,000	1,225,000
513	Fringe Benefits	15,820,594	18,459,500	17,871,500
514	Distributive	4,704,025	5,575,365	5,249,010
515	Administration	919,270	1,077,460	734,550
516	Engineering	1,330,257	1,055,000	1,350,000
517	State Trunkline Maintenance	4,074,952	3,642,377	3,470,293
518	State Non-Maintenance	407,269	601,000	510,000
521	Non-Road Projects	470,226	4,401,900	4,732,065
901	Capital Outlay	2,426,848	1,472,454	2,583,354
906	Bond and Note Payments	4,377	7,260	15,717
TOTAL EXPENDITURES -				
COUNTY ROAD FUND		<u>\$83,692,459</u>	<u>\$94,242,563</u>	<u>\$98,464,423</u>
BUDGETED NET REVENUES (EXPENDITURES)		\$3,610,269	(\$7,463,915)	(\$8,763,523)
ACCUMULATED AVAILABLE FUND BALANCE				
FROM PRIOR YEARS - PROJECTED				<u>47,560,889</u>
PROJECTED FUND BALANCE AT END OF BUDGET YEAR				<u>\$38,797,366</u>



Macomb County Department of Roads

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GENERAL APPROPRIATIONS ACT

Activity No.	Description	2009/2010 Actual	2010/2011 Original Budget	2011/2012 Original Budget
677	General Liability Fund	135,716	500,000	500,000
TOTAL EXPENDITURES - GENERAL LIABILITY FUND		<u>135,716</u>	<u>500,000</u>	<u>500,000</u>
902	Capital Projects Fund	1,263,671	0	250,000
TOTAL EXPENDITURES - CAPITAL PROJECTS FUND		<u>1,263,671</u>	<u>0</u>	<u>250,000</u>
665.000	Interest Earned	53,984	38,000	30,000
699.000	Transfer-In Control	0	0	0
TOTAL REVENUES - GENERAL LIABILITY FUND		<u>53,984</u>	<u>38,000</u>	<u>30,000</u>
665.000	Interest Earned	9,425	6,500	5,000
699.000	Transfer-In Control	0	0	0
TOTAL REVENUES - CAPITAL PROJECTS FUND		<u>9,425</u>	<u>6,500</u>	<u>5,000</u>



Macomb County Department of Roads

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2011 - 2012 STATISTICS

I - ROAD MILES

County-Wide Primary Mileage	431.06	miles
County-Wide Local Mileage	1,241.45	miles
State Trunkline Actual C/L Mileage	210.11	miles

II - FEDERAL AID MILES

Federal Aid Urban Primary Mileage	318.43	miles
Federal Aid Urban Local Mileage	931.43	miles

III - LANE MILES

State Trunkline Lane Miles Maintained by RCMC	662.35	miles
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NUMBER OF STRUCTURES MAINTAINED by ROAD COMMISSION OF MACOMB COUNTY

Bridges	219	bridges
County Primary System	100	structures
County Local System	119	structures
Bridges Closed to Traffic	4	
Bridges Posted	16	

NUMBER OF DRAINAGE STRUCTURES 20' - 0" or LESS

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

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

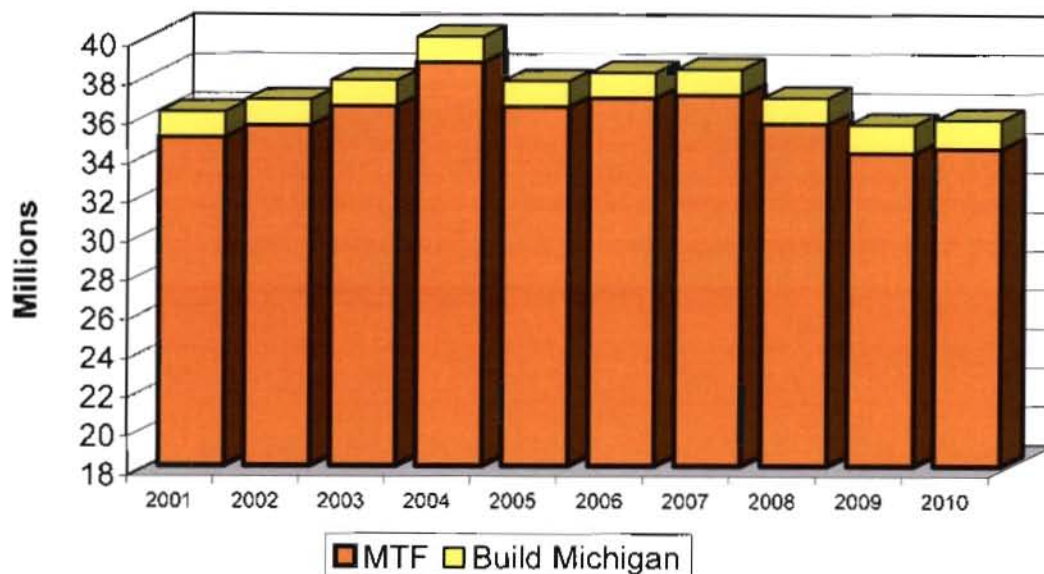
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MICHIGAN TRANSPORTATION FUNDS Fiscal Year 2011/2012 Budget

	Gas & Weight Funds	Build Michigan Funds
October	\$3,000,000	\$108,000
November	2,900,000	108,000
December	2,200,000	108,000
January	2,700,000	108,000
February	2,600,000	108,000
March	2,900,000	108,000
April	3,400,000	108,000
May	2,700,000	108,000
June	2,800,000	108,000
July	2,600,000	108,000
August	2,900,000	108,000
September	2,410,000	108,000
Engineering	10,000	0
	<u>\$33,120,000</u>	<u>\$1,296,000</u>

Actual Revenue for the last 10 years





Macomb County Department of Roads

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EQUIPMENT and CAPITAL PROJECTS

SUMMARY

CAPITALIZED EQUIPMENT:

901	976.000	Numbered Equipment - Unlicensed	\$281,100
901	977.000	Shop Equipment	65,500
901	978.000	Engineering Equipment	9,000
901	980.000	Office Equipment	4,000
901	980.001	Office Furniture	1,000
901	980.002	Computer Hardware	52,900
901	980.003	Computer Software	87,300
901	981.000	Numbered Equipment - Licensed	1,849,554

TOTAL CAPITALIZED EQUIPMENT \$2,350,354

NON-CAPITALIZED EQUIPMENT:

	728.020	Office Furniture	\$3,000
	728.050	Computer Equipment	2,000

TOTAL NON-CAPITALIZED EQUIPMENT \$5,000

CAPITAL PROJECTS:

901	974.053	Land Improvements-Clinton	\$100,000
901	975.030	Buildings - Clinton Service Center	30,000
901	975.032	Buildings - Electrical Department	6,000
901	975.053	Bldg. Improvements - Svcs Centers	50,000
901	975.090	New Administration Building	10,000
901	975.099	Bldg. Improvements-Admin. Bldg.	20,000
901	979.054	Yard & Storage - Shelby Svcs Cntr	17,000

TOTAL CAPITAL PROJECTS \$233,000

TOTAL EQUIPMENT and CAPITAL PROJECTS \$2,588,354



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(02) FINANCE AND M.I.S.</i>			
1 Printer		1,000	728.050
1 Scanner		1,000	728.050
1 Laptop		2,500	980.002
Precision Computer Solutions		80,000	980.003
Network Project - Virtual Server for Exchange and SQL		22,000	980.002
Vulnerability Testing		5,000	980.003
1 ArcGIS Publisher Concurrent Use License (GIS)		2,300	980.003
		<u>\$113,800</u>	
 <i>(04) COUNTY HIGHWAY ENGINEER</i>			
1 CAD Workstation		3,500	980.002
		<u>\$3,500</u>	
 <i>(11) WASHINGTON SERVICE CENTER</i>			
1 Grader	6205	\$219,554	981.000
1 Porta Tank - 2,000 Gallon	6861	8,000	977.000
1 JPRO Semi Rugged Fleet Service Kit with DLA		5,500	980.002
1 Wing Plow		15,000	976.000
		<u>\$248,054</u>	
 <i>(12) NEW HAVEN SERVICE CENTER</i>			
1 Recondition Gradall	6663	\$75,000	981.000
1 JPRO Semi Rugged Fleet Service Kit with DLA		5,500	980.002
1 Arrowboard	6265	5,500	976.000
1 Tandem Axle Dump Truck	1726	170,000	981.000
1 UB Blade, Salt Spreader, and Pre-Wet for Above	2726	20,000	976.000
1 Wing Plow		15,000	976.000
		<u>\$291,000</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(13) CLINTON TOWNSHIP SERVICE CENTER</i>			
1		\$50,000	981.000
2		30,000	976.000
3		510,000	981.000
3		60,000	976.000
1	1506	65,000	981.000
2		11,000	976.000
		<u>\$726,000</u>	
 <i>(14) SHELBY TOWNSHIP SERVICE CENTER</i>			
2	1721/1731	\$340,000	981.000
2		40,000	976.000
2		30,000	976.000
1		5,500	980.002
1		5,000	977.000
		<u>\$420,500</u>	
 <i>(15) VEHICLE MAINTENANCE</i>			
1		\$12,000	976.000
1		12,500	977.000
		<u>\$24,500</u>	
 <i>(21) TRAFFIC</i>			
2		\$6,000	980.002
		<u>\$6,000</u>	



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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
<i>(22) ELECTRICAL SHOP</i>			
1 F450 Cab and Chassis, Service Body - 29' Bucket and Generator	100907/180907	\$80,000	981.000
1 F750 Cab and Chassis, Service Body - 40' Bucket with Material Handler	1007/1807	155,000	981.000
1 F550 Cab and Chassis, Stake Body 14'	1010/681003	73,000	981.000
4 Shelving Units for Storage		1,000	980.001
		<u>\$309,000</u>	

<i>(23) SIGN SHOP</i>			
1 Crew Cab Stake Truck with Lift Gate	1035	\$80,000	981.000
1 Message Board - Portable	6392	31,000	976.000
1 Desk for Secretary		500	728.020
1 Tables and Chairs for Lunchroom		2,500	728.020
		<u>\$114,000</u>	

<i>(24) ENGINEERING</i>			
Miscellaneous Lab Equipment		\$4,000	978.000
Miscellaneous Survey Equipment		5,000	978.000
1 Personal Computer		800	980.002
1 Suburban	1307	32,000	981.000
1 Troxler Density Gauge	6681	11,600	976.000
		<u>\$53,400</u>	

(31) PURCHASING/STOCKROOM

Copier		\$4,000	980.000
Color Printer		1,600	980.002
Emergency Fund		40,000	977.000
		<u>\$45,600</u>	

TOTAL CARRY-OVERS FROM 2010/2011 BUDGET	\$0
TOTAL NEW REQUESTS FOR 2011/2012 BUDGET	<u>2,355,354</u>
TOTAL FIXED ASSETS	<u>\$2,355,354</u>



Macomb County Department of Roads

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EQUIPMENT AND CAPITAL PROJECTS

	Trade-In	Cost	Account Number
CAPITAL PROJECTS			
Repairs & Miscellaneous for New Administration Building		\$10,000	975.090
Renovate Old Administration Building		20,000	975.099
Demolition of Clinton Service Center Old Salt Dome		100,000	974.053
Vehicle Washout Pit at Clinton Service Center (DEQ)		30,000	975.030
Storage Tank - 5,000 gallon with Electric Pump		17,000	979.054
Ceramic Tile Floor to Replace Carpet in Electrical's Office Area		6,000	975.032
Capital Improvements all Service Centers		50,000	975.xxxx
		<u>233,000</u>	
TOTAL FIXED ASSETS AND CAPITAL PROJECTS FOR 2011/2012		<u><u>\$2,588,354</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.	1,405	23,855
PERSONNEL	350	600
COUNTY HIGHWAY ENGINEERING	1,380	1,000
VEHICLE MAINTENANCE	150	500
SUPERINTENDENT'S OFFICE	210	1,200
RIGHT OF WAY	707	4,300
TRAFFIC	2,490	6,260
ELECTRICAL	575	2,700
SIGN	75	3,600
ENGINEERING	665	16,400
STOCKROOM	275	2,050
AGENCY	<u>50,900</u>	<u>0</u>
GRAND TOTAL	<u><u>\$59,182</u></u>	<u><u>\$62,465</u></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>(02) FINANCE & M.I.S.</i>				
Government Finance Officers Association	M. Mykytiak	\$300	\$0	
Michigan Government Finance Officers Association	M. Mykytiak	75	0	
County Road Association of Michigan	M. Mykytiak	0	700	TBD
Southern Michigan Road Comm Finance Association	M. Mykytiak	30	80	Various
Precision Users Self Help Meetings	Precision Users	0	500	
Michigan Digital Government Summit	N. Hiestand	0	350	Lansing
MicroStation Users Training	Eng/Traffic/ROW	0	10,000	
Desktop Training Package	RCMC PC End-Users	0	5,625	
GIS Training	GIS Users	0	1,600	
Miscellaneous Dues and Conferences	RCMC Employees	1,000	5,000	
		<u>\$1,405</u>	<u>\$23,855</u>	

(03) PERSONNEL

Michigan Public Risk Association	HR Personnel	\$150	\$0
HR Seminars	HR Personnel	0	600
Society for HR Management	HR Personnel	200	0
		<u>\$350</u>	<u>\$600</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>
(04) COUNTY HIGHWAY ENGINEERING				
NSPE - National Society of Professional Engineers	G. Melistas	\$250	\$0	
ESD - Engineering Society of Detroit	G. Melistas	200	0	
CRAM	R. Hoepfner	0	200	TBD
ASCE- American Society of Civil Engineers	G. Melistas	350	0	
APA - American Planning Association	J. Crumm	265	0	
Michigan Chapter of APA	J. Crumm	65	600	Grand Rapids
American Institute of Certified Planners	J. Crumm	150	0	
Continuing Education	CHE Employees	100	200	TBD
		<u>\$1,380</u>	<u>\$1,000</u>	
(15) VEHICLE MAINTENANCE				
APWA - Membership & Conference	G. Zukowski	<u>\$150</u>	<u>\$500</u>	
		<u>\$150</u>	<u>\$500</u>	
(16) SUPERINTENDENT'S OFFICE				
APWA - Membership	L. Ciavatta	\$150	\$0	
APWA - Michigan Chapter Conference	Maintenance Supervisors	0	700	
Northeast Superintendent's Association	L. Ciavatta	60	0	
CRAM - Superintendent's Conference	Maintenance Supervisors	0	500	
		<u>\$210</u>	<u>\$1,200</u>	
(18) RIGHT OF WAY				
Broker Continuing Education	G. Bowman	\$0	\$70	Grand Blanc
Broker License Renewal	G. Bowman	127	0	
Notary Comun. Renewal	G. Bowman	130	0	
IRWA - Membership	G. Bowman	250	0	
MSPS - Membership	G. Bowman	200	0	
IRWA - General Meetings	G. Bowman	0	480	Various
IRWA - Fall Seminar	G. Bowman	0	1,500	Mackinaw
IRWA - Miscellaneous Classes	G. Bowman	0	750	
CAD - Miscellaneous Classes	Chadwick/Means	0	1,500	
		<u>\$707</u>	<u>\$4,300</u>	



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
(21) TRAFFIC				
American Society of Civil Engineers	A. Merchant	\$250	\$0	
ITE - Institute of Transportation Engineers	Merchant/Webb/Kudela	1,825	1,160	Various
Traffic Safety Summit	Traffic Employees	0	650	Lansing
Intelligent Transportation Systems - Michigan	Traffic Employees	0	1,850	Various
State Electrical License Renewal	Webb/Williamson	100	0	
SEMCOG and Other Training	Traffic Employees	0	500	
RoadSoft Training	Traffic Employees	0	300	Various
State Engineering License Renewal	Merchant/Westrick/Kudela	240	0	
IMSA - International Municipal Signal Association	Traffic Employees	75	1,800	
		<u>\$2,490</u>	<u>\$6,260</u>	
(22) ELECTRICAL				
IMSA - International Municipal Signal Association	G. Ramsey	\$75	\$0	
IMSA - Training	Electrical Employees	0	2,700	Various
State Electrical License Renewal	Electrical Employees	500	0	
		<u>\$575</u>	<u>\$2,700</u>	
(23) SIGN DEPARTMENT				
IMSA - International Municipal Signal Association	R. Sabaugh	\$75	\$0	
IMSA - Training	Sign Employees	0	1,600	Various
Gerber Omega Training	Sign Employees	0	2,000	Grand Rapids
		<u>\$75</u>	<u>\$3,600</u>	



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MEMBERSHIPS and CONFERENCES

	<u>Employee</u>	<u>Membership</u>	<u>Conference</u>	<u>Location</u>
(24) ENGINEERING				
Field Manager Users Group	C. Head	\$0	\$300	Mt. Pleasant
County Engineer Workshop	W. Schell/J. Yakel	0	800	Mt. Pleasant
Michigan Concrete Paving Association Certification	K. Holmberg/2 TBD	0	1,300	Detroit
Michigan Density Control Certification	J. Mocerri/3 TBD	0	2,400	Ferris State
Michigan Bridge Conference	W. Schell	0	250	Mt. Pleasant
Michigan Society of Professional Surveyors	M. Checkack/K. Matz	250	1,000	TBD
Michigan Certified Bit Lab Tech	G. Rogers/B. Rehtzigel	0	900	Ferris State
Professional Engineer License Renewal	W. Schell	80	0	
MCPA Conference	H. Flateau	0	200	Detroit
American Society of Civil Engineers	H. Flateau	235	0	
Continuing Education	Engineers/Design	0	650	TBD
CADD/Geopak Training	Design Staff	0	8,600	
Engineering Society of Detroit	A. Pawloski	100	0	
		<u>\$665</u>	<u>\$16,400</u>	
(31) PURCHASING/STOCKROOM				
Michigan Public Purchasing Officers Association	J. Strizic/T. Goike	\$275	\$1,100	Various
National Institute of Governmental Purchasing Training	Staff	0	550	
MPPOA	Staff	0	400	Various
		<u>\$275</u>	<u>\$2,050</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>AGENCY</i>				
Weighmaster		\$20,000	\$0	
Miss Dig Fee		4,600	0	
CRAM		24,000	0	
National Institute of Governmental Purchasing		400	0	
OPIS		250	0	
MI Deal		650	0	
Intelligent Transportation Society of America		800	0	
Intelligent Transportation Society of Michigan		200	0	
		<u>\$50,900</u>	<u>\$0</u>	
TOTALS		<u>\$59,182</u>	<u>\$62,465</u>	



Macomb County Department of Roads

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SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(02) FINANCE & M.I.S.		
Audit Fee	\$70,000	
Checks, Forms, Folders, Envelopes, Binders, Labels etc.	\$10,000	
		\$80,000
(03) PERSONNEL		
Labor Agreement Printing	\$2,000	
Mandated Labor Posters	\$250	
CDL Reimbursement	\$800	
Training	\$2,000	
Surveillance	\$10,000	
Arbitration Fees	\$17,000	
Independent Medical Exams	\$7,000	
Legal Fees	\$75,000	
Joseph A Young - Random Drug Testing	\$15,000	
Postage	\$20,000	
		\$149,050



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(04) COUNTY HIGHWAY ENGINEERING		
DPW/NPDES Projects	\$200,000	
Moving Road Claims	\$200,000	
IDEP	\$100,000	
MDEQ Underground Storage Tanks (UST) Registrations	\$2,000	
Subscriptions (various)	\$700	
Administration Building Cleaning	\$20,000	
Lobbyist	\$23,000	
Consulting Services	\$20,000	
Accurate Alarm (Nightwatch)	\$20,000	
Radio User Fees - 800Mzh	\$15,000	
Miscellaneous Repairs - Administration Building	\$10,000	
Food & Refreshments	\$1,000	
		\$611,700
(11) Washington Service Center		
Paint Offices and Hallway	\$5,000	
		\$5,000



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(15) VEHICLE MAINTENANCE		
All Data Online Repair Manuals	\$1,500	
Genisys Software Update 4.0 - 2011 Car & Truck ABS	1,200	
J Pro Noregon System Software Update 4.2	500	
Contract out Major Repairs on Equipment	\$100,000	
Motorola Radio Maintenance	\$30,000	
Undercoat Pick-ups and Cars	\$2,500	
Sandblast and Paint Division Trucks, Cars and Pick-Ups	\$60,000	
		\$195,700
(16) SUPERINTENDENTS OFFICE		
Emergency Road Repairs	\$75,000	
DEQ Compliance Fees at MCDOR Facilities	\$40,000	
Engineering Firm's Evaluation of Clinton Service Center	\$10,000	
MIOSHA Inspection & Certification at MCDOR Facilities	\$19,000	
Deicing Chemicals for Winter Maintenance	\$10,000	
Landfill Fees	\$50,000	
Software Maintenance for GPS Systems on Trucks	\$40,000	
Contract Labor	\$44,000	
Safety and Training	\$7,500	
Snow Contracts with Municipalities & Contractors	\$100,000	
Emergency Repairs at Service Centers	\$60,000	
		\$455,500



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(18) RIGHT OF WAY		
Land Access Subscription	\$1,500	
Condemnation Awards	\$500,000	
		\$501,500
(21) TRAFFIC		
Traffic Signal Local Controller Software Maintenance	\$60,000	
Longitudinal Pavement Marking	\$477,000	
100' Pole Equipment Maintenance	\$20,000	
Communication Network Design	\$50,000	
Encoder Replacement	\$50,000	
Design for Mast Arm & Strain Pole Foundations	\$25,000	
Soil Borings	\$19,000	
Policy Criterion Development	\$35,000	
		\$736,000
(22) ELECTRICAL		
Emergency Repairs to Stormwater Pumps	\$30,000	
		\$30,000



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(24) ENGINEERING		
Video Camera	\$350	
Subscriptions & Publications	\$1,000	
Cell Phone GPS	\$1,600	
Miscellaneous Lab/Testing Equipment Service/Calibration	\$5,000	
GPS Firmware Maintenance	\$1,800	
ASTI Wetland Monitoring	\$5,000	
KIP Service Contract to maintain copy machine	\$2,600	
NRC Nuclear License for gauges	\$3,700	
Nuclear Badge Service Contract	\$3,000	
Environmental Contracts	\$15,000	
Miscellaneous Testing Services	\$20,000	
Construction Stakes	\$4,000	
Bridge Design Contracts	\$125,000	
		\$188,050



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



SPECIAL REQUESTS

Service or Item Requested	Amount Requested	Total
(31) STOCKROOM		
Adobe Professional CPPB-2001 Software License	\$250	
Emergency Fund - Non-Capital Equipment & Purchases	\$10,000	
		\$10,250
(32) PERMITS		
Laminator Machine Maintenance Contract	\$500	
Printing - Miscellaneous forms, permits, daily cards etc.	\$2,000	
		\$2,500
GRAND TOTAL		\$2,965,250



Macomb County Department of Roads

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ROAD MAINTENANCE COSTS

TOTAL FIELD BUDGET for:

	<u>Primary Road</u>	<u>Local Road</u>	<u>State Trunkline</u>	<u>Totals</u>
MAINTENANCE	\$4,650,000	\$5,864,500	\$2,628,618	\$13,143,118
TRAFFIC	1,570,250	478,050	571,675	2,619,975
SUPERVISION	<u>575,000</u>	<u>300,000</u>	<u>270,000</u>	<u>1,145,000</u>
TOTAL COUNTY	\$6,795,250	\$6,642,550	\$3,470,293	\$16,908,093
Total Fringe Benefits	<u>2,800,000</u>	<u>2,480,000</u>	<u>1,500,000</u>	<u>6,780,000</u>
SUBTOTAL	\$9,595,250	\$9,122,550	\$4,970,293	\$23,688,093
Total Overhead	<u>1,260,000</u>	<u>1,200,000</u>	<u>596,434</u>	<u>3,056,434</u>
GRAND TOTAL	<u><u>\$10,855,250</u></u>	<u><u>\$10,322,550</u></u>	<u><u>\$5,566,727</u></u>	<u><u>\$26,744,527</u></u>



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M100 Blow-up Repair	\$0	\$0	\$1,000	\$1,000
M101 Joint & Crack Filling	75,000	100,000	50,000	225,000
M102 Replace Concrete Pavement	150,000	350,000	350,000	850,000
M103 Patrol Patching	650,000	250,000	0	900,000
M104 Hot Patching	75,000	125,000	20,000	220,000
M105 Sawing Pavement	8,500	22,000	3,000	33,500
M107 Grade Gravel Surface	75,000	875,000	0	950,000
M108 Patch Gravel Surface	62,000	850,000	0	912,000
M109 Surface Maintenance	75,000	125,000	70,000	270,000
M110 State Trunkline/Freeway Patching	0	0	350,000	350,000
<i>109 SURFACE MAINTENANCE</i>	<i>\$1,170,500</i>	<i>\$2,697,000</i>	<i>\$844,000</i>	<i>\$4,711,500</i>
M120 Dust Layer Surface	30,000	260,000	0	290,000
<i>CHLORIDE APPLICATION</i>	<i>\$30,000</i>	<i>\$260,000</i>	<i>\$0</i>	<i>\$290,000</i>
M130 Blading Shoulders	210,000	5,000	7,500	222,500
M131 Berm Removal	10,000	20,000	0	30,000
M132 Patch Gravel Shoulder	50,000	8,500	5,000	63,500
<i>119 SHOULDER MAINTENANCE</i>	<i>\$270,000</i>	<i>\$33,500</i>	<i>\$12,500</i>	<i>\$316,000</i>
M140 Tree Removal	55,000	150,000	10,000	215,000
M141 Tree/Brush Trimming	150,000	140,000	34,618	324,618
M142 Stump Removal	18,000	90,000	2,000	110,000
M143 Log Removal	0	0	0	0
M144 Tree Removal Contracts	45,000	57,500	2,500	105,000
<i>121 TREES & SHRUBS</i>	<i>\$268,000</i>	<i>\$437,500</i>	<i>\$49,118</i>	<i>\$754,618</i>
M150 Clean Catch Basins	15,000	20,000	56,000	91,000
M151 Repair Catch Basins	55,000	150,000	25,000	230,000
M152 Build Catch Basins	10,000	10,000	0	20,000
M153 Ditch Cleanout	200,000	600,000	25,000	825,000
M154 Powerflushing Culverts	25,000	85,000	6,000	116,000
M155 Culvert/Underdrain Maintenance	100,000	175,000	15,000	290,000
M156 Erosion Control	44,000	85,000	20,000	149,000
<i>122 DRAINAGE STRUCTURES</i>	<i>\$449,000</i>	<i>\$1,125,000</i>	<i>\$147,000</i>	<i>\$1,721,000</i>



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



ROAD MAINTENANCE COSTS

Activity Code & Description	Primary Road	Local Road	State Trunkline	Totals
M160 Full Width Litter Pickup	0	0	125,000	125,000
M161 Patrol Litter Pickup	45,000	20,000	0	65,000
M162 Litter Hauling Contract	6,000	6,000	15,000	27,000
<i>124 ROADSIDE CLEANUP</i>	\$51,000	\$26,000	\$140,000	\$217,000
M170 Swath Mowing	230,000	200,000	30,000	460,000
M171 Mowing Contracts	80,000	0	0	80,000
M172 Weedspray Contracts	0	0	0	0
<i>126 GRASS AND WEED CONTROL</i>	\$310,000	\$200,000	\$30,000	\$540,000
M180 Approach Sweeping	20,000	2,500	6,000	28,500
M181 Curb Sweeping	170,000	25,000	20,000	215,000
M182 Freeway Sweeping	0	0	200,000	200,000
M183 Sweeping Contracts	15,000	0	0	15,000
M184 Sweeping Disposal	30,000	1,500	50,000	81,500
<i>132 SWEEPING AND FLUSHING</i>	\$235,000	\$29,000	\$276,000	\$540,000
M190 R.O.W. Fence Repair	2,000	1,000	50,000	53,000
<i>137 R.O.W. FENCE REPAIR</i>	\$2,000	\$1,000	\$50,000	\$53,000
M200 Other Routine Maintenance	7,500	12,000	3,000	22,500
<i>139 OTHER ROUTINE MAINTENANCE</i>	\$7,500	\$12,000	\$3,000	\$22,500
M210 Maintain Snow Route RT	700,000	60,000	400,000	1,160,000
M211 Maintain Snow Route OT	1,000,000	100,000	425,000	1,525,000
M212 Scrape/Salt Non-Route Road RT	10,000	675,000	0	685,000
M213 Scrape/Salt Non-Route Road OT	2,000	175,000	0	177,000
M214 Erect/Remove Snow Fence	48,000	5,500	0	53,500
M215 Winter Maintenance Contract	40,000	0	0	40,000
M216 Anti-Ice System	2,000	0	15,000	17,000
M220 Night Patrol	20,000	1,000	82,000	103,000
M230 Other Winter Maintenance	15,000	2,000	125,000	142,000
<i>141 SNOW AND ICE REMOVAL</i>	\$1,837,000	\$1,018,500	\$1,047,000	\$3,902,500



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



ROAD MAINTENANCE COSTS

Activity Code & Description		Primary Road	Local Road	State Trunkline	Totals
M240	Bridge Repair	10,000	5,000	5,000	20,000
151	STRUCTURE MAINTENANCE	\$10,000	\$5,000	\$5,000	\$20,000
M250	Structure Painting	0	0	0	0
152	STRUCTURE PAINTING	0	0	0	0
M280	Emergency Road Maintenance	10,000	20,000	25,000	55,000
190	EMERGENCY ROAD MAINTENANCE	\$10,000	\$20,000	\$25,000	\$55,000
TOTAL FIELD BUDGET for MAINTENANCE		\$4,650,000	\$5,864,500	\$2,628,618	\$13,143,118
M500	Replace Steel Beam Guardrail RT	155,000	45,000	75,200	275,200
M501	Replace Steel Beam Guardrail OT	5,000	3,000	1,536	9,536
130	GUARDRAIL AND POST	\$160,000	\$48,000	\$76,736	\$284,736
M542	Pumphouse Energy	3,125	0	0	3,125
153	PUMPHOUSE ENERGY	\$3,125	\$0	\$0	\$3,125
M510	Sign Maintenance RT	425,000	325,000	220,000	970,000
M511	Sign Maintenance OT	25,000	30,000	18,512	73,512
M512	Sign Shop Work RT	0	0	0	0
M513	Sign Shop Work OT	0	0	0	0
M514	Overhead Signs - Electrical	500	0	250	750
M515	Overhead Signs - Non Electrical	25,000	0	200	25,200
M516	Other Traffic Maintenance	75,000	0	28,000	103,000
160	TRAFFIC SIGNS	\$550,500	\$355,000	\$266,962	\$1,172,462
M520	Relamp Electrical Device 3 Man	78,000	0	40,000	118,000
M521	Relamp Electrical Device 2 Man	38,000	0	18,000	56,000
M522	Signal Trouble Call RT	40,000	0	27,000	67,000
M523	Signal Trouble Call OT	67,000	0	40,000	107,000
M524	Controller Maintenance	38,000	0	29,384	67,384
M527	Signal Operations Adjustment	9,500	0	7,500	17,000
M528	Remove/Replace Signals	6,500	0	500	7,000
M529	Emergency Signal Remove/Repair RT	18,000	0	17,000	35,000
M530	Emergency Signal Remove/Repair OT	60,000	0	28,000	88,000



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	2,500	0	0	2,500
M533 Signal Modernization	16,000	0	0	16,000
M540 Signal Energy	330,775	0	0	330,775
<i>161 TRAFFIC SIGNALS</i>	<i>\$709,275</i>	<i>\$0</i>	<i>\$207,434</i>	<i>\$916,709</i>
M550 Traffic Counter Maintenance	2,000	60,000	1,934	63,934
<i>239 TRAFFIC COUNTER MAINTENANCE</i>	<i>\$2,000</i>	<i>\$60,000</i>	<i>\$1,934</i>	<i>\$63,934</i>
M560 Paint Guidelines RT	20,000	5,000	0	25,000
M561 Paint Guidelines OT	2,000	1,000	0	3,000
M562 Pavement Messages RT	121,000	8,800	0	129,800
M563 Pavement Messages OT	0	0	0	0
<i>162 PAVEMENT MARKINGS</i>	<i>\$143,000</i>	<i>\$14,800</i>	<i>\$0</i>	<i>\$157,800</i>
M570 Delineator Maintenance RT	2,350	250	15,520	18,120
M571 Delineator Maintenance OT	0	0	0	0
<i>164 DELINEATOR MAINTENANCE</i>	<i>\$2,350</i>	<i>\$250</i>	<i>\$15,520</i>	<i>\$18,120</i>
M580 Attenuator Maintenance RT	0	0	3,089	3,089
M581 Attenuator Maintenance OT	0	0	0	0
<i>165 ATTENUATOR MAINTENANCE</i>	<i>\$0</i>	<i>\$0</i>	<i>\$3,089</i>	<i>\$3,089</i>
TOTAL FIELD BUDGET for TRAFFIC	\$1,570,250	\$478,050	\$571,675	\$2,619,975



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. Auburn Road - Dequindre to Ryan</u>						
Reconstruction						
HM	150,000	50,000	265,000	2,200,000		2,665,000
					STPU	1,760,000
					SHELBY TWP	452,500
					MCDOR	452,500
<u>W. O. 1267 Cass Avenue - M-97 to M-3</u>						
Reconstruction						
HM	180,000	100,000	355,000	2,958,000		3,593,000
					STPU	2,650,400
					MCDOR	942,600
<u>W. O. Cass Avenue - NB Clinton River to 19 Mile (NC 60% - HM 40%)</u>						
Widen to 5 Lanes						
NC				60,000		60,000
HM				40,000		40,000
Total				100,000		100,000
					MCDOR	100,000

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



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. Dequindre - South Blvd to Auburn Road</u>						
<i>Rehabilitation</i>						
HM				50,000		50,000
					MCDOR	50,000
<u>W. O. Luchtman Road - 25 Mile to 26 Mile</u>						
<i>Pave Gravel Road</i>						
HM	70,000		100,000	1,000,000		1,170,000
					MACOMB TWP	585,000
					MCDOR	585,000
<u>W. O. Mt. Clemens Trail</u>						
<i>Construction Hike Bike Path</i>						
NC	31,000		38,000	621,000		690,000
					GRANT	575,000
					COMMUNITY FOUNDATION	75,000
					MCDOR	40,000
<u>W. O. 1253 Van Dyke - 24 Mile to 25 Mile Road (NC 60% - HM 40%)</u>						
<i>Widen to 5 Lanes</i>						
NC		300,000	325,200	2,710,380		3,335,580
HM		200,000	216,800	1,806,920		2,223,720
Total		500,000	542,000	4,517,300		5,559,300
					TEDFC	2,925,366
					HPP	1,122,074
					SHELBY TWP	755,930
					MCDOR	755,930

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



Macomb County Department of Roads

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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. Van Dyke - 25 Mile to 26 Mile Road (NC 60% - HM 40%)</u>						
<i>Widen to 5 Lanes</i>						
NC	159,000	300,000				459,000
HM	106,000	200,000				306,000
Total	265,000	500,000				765,000
					SHELBY TWP	382,500
					MCDOR	382,500
<hr/>						
<u>W. O. Van Dyke - 26 Mile to West (NC 60% - HM 40%)</u>						
<i>Widen to 5 Lanes</i>						
NC	54,600					54,600
HM	36,400					36,400
Total	91,000					91,000
					WASHINGTON TWP	45,500
					MCDOR	45,500
<hr/>						
<u>W. O. 1260 Van Dyke at Clinton River</u>						
<i>Bridge Rehabilitation</i>						
HM	20,000		140,000	1,400,000		1,560,000 B
					STPU	1,120,000
					MCDOR	440,000
<hr/>						
<u>W. O. 4009 23 Mile Road x NB Clinton River - (Carry-over)</u>						
<i>Bridge Replacement</i>						
HM		100,000	320,000	3,200,000		3,620,000 B
					LOCAL BRIDGE	3,040,000
					MCDOR	580,000
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Key Code: NC = New Construction; HM = Heavy Maintenance



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. 4012 26 Mile Road x Deer Creek - (Carry-over)</u>						
Bridge Replacement						
HM			69,000	726,000		795,000 B
					LOCAL BRIDGE	689,700
					MCDOR	105,300
<hr/>						
<u>W. O. 2012 MDOT Final Accountings</u>						
County Wide						
HM	100,000					100,000
					MCDOR	100,000
<hr/>						
<u>W. O. 2012 Survey & Design</u>						
County Wide						
HM	100,000					100,000
					MCDOR	100,000
<hr/>						
<u>W. O. 2012 ROW Carry-over</u>						
County Wide						
NC		420,000				420,000
					MCDOR	420,000
<hr/>						
<u>W. O. 2012 Pavement Preservation - Primary</u>						
County Wide						
HM	55,000		75,000	750,000		880,000
					MCDOR	880,000
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Key Code: NC = New Construction; HM = Heavy Maintenance



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. 2012 Primary Road Rehabilitation</u>						
County Wide						
HM	150,000		300,000	3,002,000		3,452,000
					STPU	2,401,600
					MCDOR	1,050,400
<hr/>						
<u>W. O. 2012 Limestone Program - Primary</u>						
County Wide						
HM				187,500		187,500
					TOWNSHIPS	37,500
					MCDOR	150,000
<hr/>						
<u>W. O. 2012 Rural Pavement Preservation</u>						
County Wide						
HM	13,500		26,500	269,000		309,000
					STPR	215,400
					MCDOR	93,600
<hr/>						
<u>W. O. 2012 - Bridge Inspection - Primary</u>						
County Wide						
HM				60,000		60,000 B
					MCDOR	60,000
<hr/>						

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



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. 2012 Guardrail Installation</u>						
County Wide						
HM	4,000		3,000	225,000		232,000
					MCDOR	<u>232,000</u>
<u>W. O. 2012 Signal Modernizations</u>						
County Wide						
HM	2,000				265,000	267,000
					MCDOR	<u>267,000</u>
<u>W. O. New Signals</u>						
County Wide						
HM	1,000			135,000		136,000
					MCDOR	<u>136,000</u>
<u>W. O. Mechanical Controllers</u>						
County Wide						
HM	2,000				65,000	67,000
					MCDOR	<u>67,000</u>

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



Macomb County Department of Roads

October 1, 2011 thru September 30, 2012



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. LED Retrofit</u>					
County Wide					
HM				225,000	225,000
				MCDOR	<u>225,000</u>
<u>W. O. Signal Optimization (Carry-over)</u>					
12 Mile Road					
HM			115,000		115,000
				CMAQ	<u>115,000</u>
<u>W. O. Signal Optimization (Carry-over)</u>					
15 Mile Road					
HM			115,000		115,000
				CMAQ	<u>115,000</u>
<u>W. O. Signal Optimization (Carry-over)</u>					
Mound Road					
HM			237,500		237,500
				CMAQ	<u>237,500</u>
<u>W. O. Signal Optimization & Upgrades (Carry-over)</u>					
10 Mile Road					
Upgrades - \$96,600 Optimization - \$120,000					
HM		10,100	206,500		216,600
				CMAQ	<u>206,500</u>
				MCDOR	10,100

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



Macomb County Department of Roads

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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 & Upgrades (Carry-over)</u>					
14 Mile Road					
Upgrades - \$26,100 Optimization - \$85,000					
HM		2,100	109,000		111,100
				CMAQ	109,000
				MCDOR	2,100
<hr/>					
<u>W. O. Signal Optimization (Carry-over)</u>					
21 Mile Road					
HM			45,000		45,000
				CMAQ	45,000
<hr/>					
<u>W. O. Signal Optimization & Upgrades (Carry-over)</u>					
23 Mile Road					
Upgrades - \$84,200 Optimization - \$35,000					
HM		9,600	109,600		119,200
				CMAQ	109,600
				MCDOR	9,600
<hr/>					
<u>W. O. Signal Upgrades & Optimization (Carry-over)</u>					
Van Dyke Road					
Upgrades - \$103,300 Optimization - \$195,000					
HM		10,000	288,300		298,300
				CMAQ	288,300
				MCDOR	10,000
<hr/>					

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Macomb County Department of Roads

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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. CCTV Upgrades (Carry-over)</u>						
HM			13,500	13,500		27,000
					CMAQ	13,500
					MCDOR	13,500
<hr/>						
<u>W. O. Signal Upgrades & Optimization</u>						
<i>Jefferson</i>						
<i>Upgrades - \$355,650 Optimization - \$80,000</i>						
HM			45,000	390,650		435,650
					CMAQ	390,650
					MCDOR	45,000
<hr/>						
<u>W. O. Signal Upgrades & Optimization</u>						
<i>Schoenherr</i>						
<i>Upgrades - \$470,200 Optimization - \$230,000</i>						
HM			60,000	640,200		700,200
					CMAQ	640,200
					MCDOR	60,000
<hr/>						
<u>W. O. Signal Upgrades</u>						
<i>Shelby/Macomb</i>						
HM			140,000	939,050		1,079,050
					CMAQ	939,050
					MCDOR	140,000
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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 & Optimization</u>					
9 Mile Road					
Upgrades - \$1,291,350 Optimization - \$150,000					
HM		150,000	1,291,350		1,441,350
				CMAQ	1,291,350
				MCDOR	150,000
<u>W. O. Signal Upgrades & Optimization</u>					
13 Mile Road					
Upgrades - \$420,100 Optimization - \$115,000					
HM		50,000	485,100		535,100
				CMAQ	485,100
				MCDOR	50,000
<u>W. O. Signal Upgrades & Optimization</u>					
Ryan Road					
Upgrades - \$1,243,500 Optimization - \$155,000					
HM		150,000	1,248,500		1,398,500
				CMAQ	1,248,500
				MCDOR	150,000
<u>W. O. Signal Upgrades & Optimization</u>					
Utica Road					
Upgrades - \$584,500 Optimization - \$85,000					
HM		75,000	594,500		669,500
				CMAQ	594,500
				MCDOR	75,000

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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 Actuation Upgrades</u>						
<i>Various</i>						
HM	44,203		20,000	132,610		196,813
					CMAQ	132,610
					MCDOR	64,203
<hr/>						
<u>W. O. Signal Upgrades</u>						
<i>Hoover and Others</i>						
HM	137,225		60,000	411,676		608,901
					CMAQ	411,676
					MCDOR	197,225
<hr/>						
<u>W. O. Signal Safety Project</u>						
<i>Various Locations</i>						
HM	50,000		70,000	500,000		620,000
					CMAQ	400,000
					MCDOR	220,000
<hr/>						
<u>W. O. Signal Upgrades</u>						
<i>19 Mile and Kelly</i>						
HM	28,257		12,500	84,772		125,529
					CMAQ	84,772
					MCDOR	40,757
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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</u>						
Mound Road						
HM	110,417		50,000	331,251		491,668
					CMAQ	331,251
					MCDOR	160,417
<u>W. O. Signal Upgrades</u>						
Metro Parkway						
HM	43,614		20,000	130,843		194,457
					CMAQ	130,843
					MCDOR	63,614
<u>W. O. Backhauls</u>						
Various						
HM	70,000		30,000	210,000		310,000
					CMAQ	210,000
					MCDOR	100,000
<u>W. O. Signal Safety Project</u>						
Various						
HM	150,000		60,000	450,000		660,000
					CMAQ	377,775
					MCDOR	282,225

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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. 2012 TOC Operations</u>					
TOC Operations, Maintenance and Equipment					
HM			1,500,000		1,500,000
				CMAQ	1,500,000

TOTALS . . . PRIMARY ROADS and BRIDGES

<u>\$1,868,216</u>	<u>\$1,670,000</u>	<u>\$3,271,300</u>	<u>\$31,980,702</u>	<u>\$555,000</u>	<u>\$39,345,218</u>
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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. 914 Harrison Township Hike Bike Path</u>						
<i>Construct Hike Bike Path</i>						
NC		82,052	142,800	2,317,844		2,542,696
					GRANT	2,034,157
					HARRISON TWP	508,539
<u>W. O. Inwood Road at Stony Creek</u>						
<i>Drainage Improvement</i>						
HM	5,000		10,000	100,000		115,000
					MCDOR	115,000
<u>W. O. 1264 Jewell Road - 27 Mile to 28 Mile Road</u>						
<i>Pave Gravel Road</i>						
HM	75,000	20,000	150,000	1,254,700		1,499,700
					STPU	1,000,400
					MCDOR	249,650
					WASHINGTON TWP	249,650
<u>W. O. McKay Road - 34 Mile to Ebling</u>						
<i>Pave Gravel Road</i>						
HM			140,000	1,400,000		1,540,000
					MDOT	1,400,000
					MCDOR	140,000

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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. 916/918 Riverbends Hike Bike Path</u>						
<i>Construct Hike Bike Path</i>						
NC	66,900		100,423	1,575,000		1,742,323
					GRANT	1,393,858
					SHELBY TWP	174,232
					UTICA	174,232
<hr/>						
<u>W. O. 24 Mile Road - Foss to Fairchild</u>						
<i>Resurface</i>						
HM				560,000		560,000
					DSWD	560,000
<hr/>						
<u>W. O. 33 Mile x Cemetery Creek</u>						
<i>Bridge Replacement</i>						
HM	37,000	5,000	53,000	531,000		626,000 B
					LOCAL BRIDGE	504,450
					MCDOR	121,550
<hr/>						
<u>W. O. 33 Mile x Highbank Creek</u>						
<i>Bridge Replacement</i>						
HM	28,000	5,000	48,000	405,000		486,000 B
					LOCAL BRIDGE	384,750
					MCDOR	101,250
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Macomb County Department of Roads

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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. 2012 Pavement Preservation - Local</u>						
County Wide						
HM	55,000		75,000	750,000		880,000
					MCDOR	<u>880,000</u>
<u>W. O. 2012 Limestone Program - Local</u>						
County Wide						
HM				187,500		187,500
					TOWNSHIPS	<u>37,500</u>
					MCDOR	<u>150,000</u>
<u>W. O. 2012 Large Culvert Replacement - Local</u>						
County Wide						
HM	10,000		20,000	200,000		230,000
					MCDOR	<u>230,000</u>
<u>W. O. 2012 - Bridge Inspection - Local</u>						
County Wide						
HM				15,000		15,000 B
					MCDOR	<u>15,000</u>
TOTALS . . . LOCAL ROADS and BRIDGES						
	<u>\$276,900</u>	<u>\$112,052</u>	<u>\$739,223</u>	<u>\$9,296,044</u>	<u>\$0</u>	<u>\$10,424,219</u>

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