

SUPPLEMENTAL ANNUAL REPORT



2014-2015



EATON COUNTY ROAD COMMISSION

1112 Reynolds Road | Charlotte, MI 48813 | 517-543-1630

www.eatoncountyrad.com

Version 3-14





2014-2015 SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2014 – SEPTEMBER 30, 2015

BENJAMIN S. LYONS, CHAIRMAN

Term expires 12-31-2020

DOROTHY E. MAXWELL, VICE CHAIR

Term expires 12-31-2019

DUANE A. ELDRED, MEMBER

Term expires 12-31-2019

TIMOTHY L. LAMOREAUX, MEMBER

Term expires 12-31-2016

DARRELL R. TENNIS, MEMBER

Term expires 12-31-2016

BLAIR E. BALLOU, P.E., ENGINEER-MANAGER

LORI N. FRIEDLIS, CPA, FINANCE DIRECTOR

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INTRODUCTION

The Eaton County Road Commission was established in 1912 by resolution of the County Board of Supervisors and charged by law with the duty “to keep in reasonable repair, so that they shall be reasonably safe and convenient for public travel, all county roads, bridges, and culverts



that are under their care and control, and which are open to public travel.” State law also requires the Road Commission to permit and regulate certain activities in road right-of-way, authorizes the Road Commission to set reasonable standards for adopting new roads into the county system and to enforce state restrictions on vehicle size and weight on county roads.

Over the past 104 years, the Eaton County road system has grown to include 391 miles that are now designated as Primary roads. Passage of the McNitt Act in 1931 abolished the old township road system and transferred over 650 miles of township roads to the Road Commission. These old township roads, together with over 120 miles of subdivision streets built since that time, make up what is now the 781 mile system of County Local roads. Overall, 57%, or 673 miles,

of all Eaton County roads are paved, with the remaining 500 miles being gravel surfaced but otherwise unimproved.

Routine maintenance by Road Commission workers is organized into four service areas. Crews working in the southeast and southwest areas of the County operate out of the main garage in Charlotte. The northwest quarter of the County is served by the crew based in Vermontville, and the northeast area covered by workers from our garage in Delta Township.



While the Road Commission continues to use its own forces for emergency and minor repairs, and most of the routine maintenance of snow removal, gravel blading and seal coating, all construction and most other heavy maintenance work is performed by private contractors selected through competitive bids. Many other

routine maintenance operations that require specialized equipment such as mowing, pavement markings and street sweeping are also provided by private firms. The dollar amount contracted with private companies in fiscal year 2014-2015 equaled 62% of the total expenditures for road maintenance and construction.

On Primary Roads in 2015 the Road Commission completed a project to reconstruct and resurface St. Joe Highway from Canal Road to Marketplace Boulevard using Federal USTP grant funds for 81.85% of the \$699,000 construction cost of the project. Delta Township and the Road Commission shared equally the \$127,000 local share of the construction costs.



The Road Commission completed the second phase of a project to repair the road base and repave Marshall Road from the I-69 interchange at Cochran Road south to the City of Olivet. The portion from Nye Highway south to Olivet was completed at a cost of \$1,700,000 by using \$187,000 state TEDF-D grant funds together with \$1,360,000 Federal USTP grant funds and \$153,000 Road Commission funds.



At the intersections of Creyts Road with St. Joe Highway and Anacapri Boulevard the existing traffic signals on overhead wires were replaced with modern LED signals on steel mast arms together with new controller equipment by using \$238,000 in Federal CMAQ grant funds and \$130,000 Road Commission funds.

The Primary Road resurfacing program in 2015 included 76 miles of sealcoating with a fog seal cover and 0.91 miles of asphalt overlay work.

No Primary Road bridges were replaced in 2015. However, a new precast concrete deck and guardrail was placed on the short-span structure carrying Ainger Road over the Dillon Drain in Walton Township, which had been closed for safety reasons in late 2014.



On Local Roads in 2015 the first year of the 12-year road rehabilitation millage program began with the repair and asphalt surfacing of 28.20 miles of paved Local Roads and the re-grading and re-gravelling of 13.64 miles of unimproved Local Roads. While those projects are noted in the following pages, a separate supplemental report regarding the millage projects with supporting information is available. No other Local Road resurfacing or re-graveling projects, separate from the millage program, were accomplished in 2015.



On Local Road bridges in 2015, the Road Commission was able to remove and replace the Brookfield Road bridge over the Battle Creek River in Eaton Township using State and Federal Critical Bridge funds to pay 95% of the \$683,000 construction costs. The bridge was open to traffic on October 9, 2015, and will receive a protective surface coating in the spring of 2016. Eaton Township and the Road Commission shared equally the \$237,300 local costs of the project.

While the Road Commission's first priority is public safety on all county roads, we continue to work towards keeping the existing good roads in Eaton County in good condition, rather than deferring needed maintenance in order to pay for the construction of new paved roads.

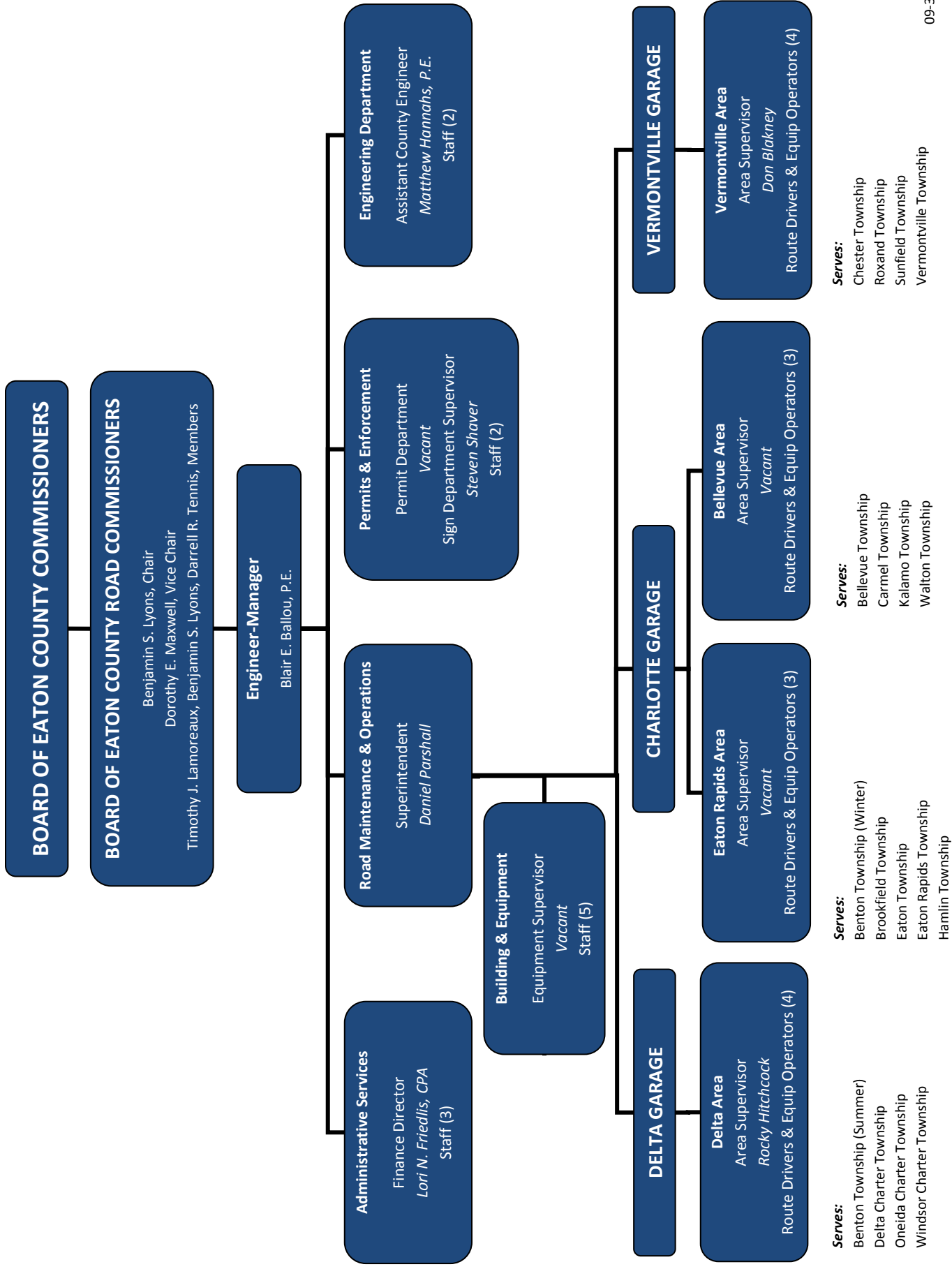


Recognizing the need for long range planning for improvements on the county road system, the Road Commission participates in the Tri-County Regional Planning Commission planning process, and actively competes for Federal and State grant funds and other local government funds for specific improvement projects

whenever possible.

The Road Commission welcomes comments, suggestions and discussion on both programs and specific projects at any time.

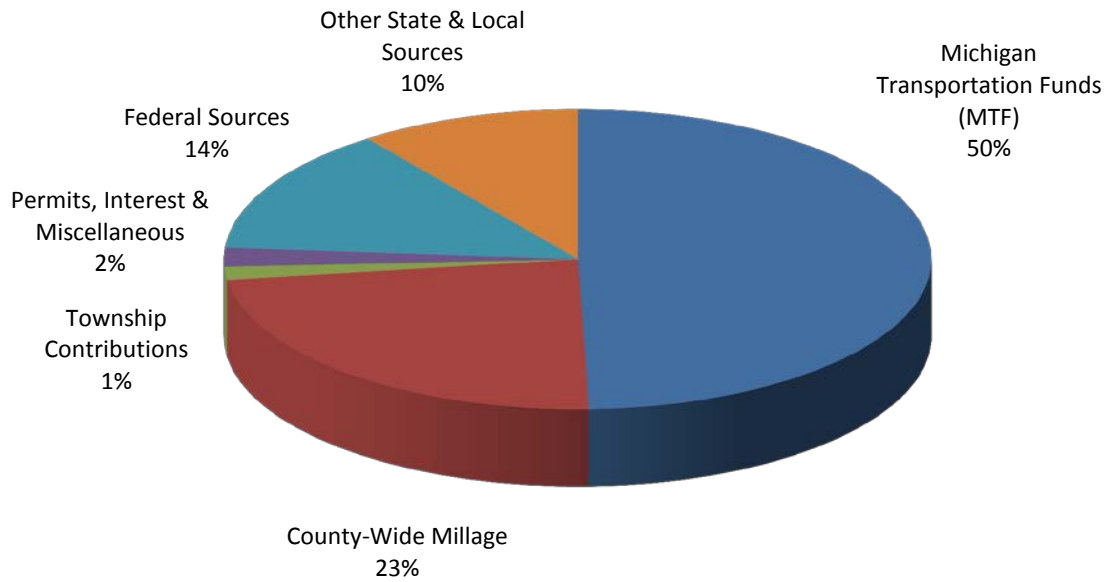




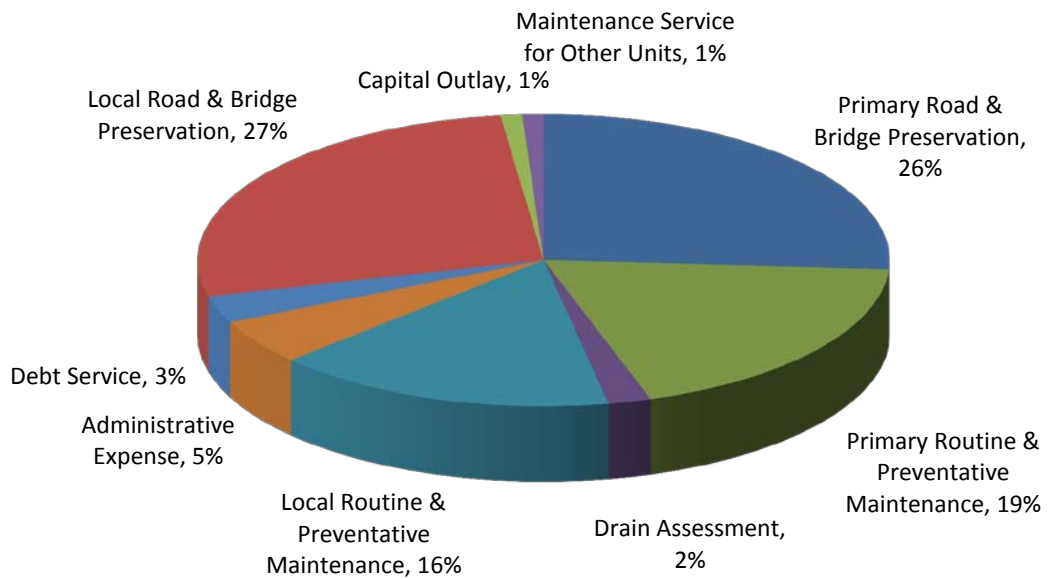
FINANCIAL SUMMARY

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
REVENUES					
County-Wide Millage	\$ -	\$ -	\$ -	\$ 3,790,275	\$ 3,895,643
Permit Revenue	60,420	77,540	80,116	76,449	75,000
Intergovernmental:					
Federal Sources	2,660,381	1,614,966	3,212,498	2,215,891	1,345,709
Michigan Transportation Funds	7,545,228	7,695,041	7,871,876	8,057,044	7,990,000
Other State Sources	259,732	328,866	900,246	1,605,878	1,375,957
Township Contributions	902,228	773,359	500,127	228,788	321,865
Other Local Sources	20,441	18,997	172,475	45,295	-
Charges for Services	-	-	-	-	-
Interest and Rentals	379	728	9,043	6,350	3,896
Other Revenue	52,442	184,348	114,989	249,115	130,463
Proceeds from Sale of Bonds	-	2,595,000	-	-	-
Total Revenues	\$ 11,501,251	\$ 13,288,845	\$ 12,861,370	\$ 16,275,085	\$ 15,138,533
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ 3,235,177	\$ 353,283	\$ 4,674	\$ 3,931	\$ -
Preservation/Structural Improvements	152,936	1,873,205	4,836,894	4,234,000	1,552,991
Routine Maintenance	1,428,346	1,496,039	2,138,219	1,529,171	2,200,000
Preventative Maintenance	1,641,929	1,617,157	1,376,719	1,537,339	1,500,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	883,973	972,042	428,351	4,333,585	4,807,113
Routine Maintenance	1,948,701	2,002,286	2,168,422	2,622,198	2,950,000
Preventative Maintenance	104,431	132,862	164,736	29,086	-
Equipment Expense (net)	(221,937)	(312,783)	(57,828)	19,545	-
Administration (net)	807,855	796,698	843,614	819,702	850,000
Maintenance Service for Other Units	226,566	197,481	129,478	81,678	100,000
Non-Road Projects	-	1,716	245,280	36,976	-
Capital Outlay (net)	(203,257)	(186,888)	247,952	247,190	460,000
Debt Service	628,650	3,170,166	571,400	549,847	533,513
Drain Assessment	186,554	376,007	242,823	282,733	350,000
Total Expenditures	\$ 10,819,924	\$ 12,489,271	\$ 13,340,734	\$ 16,326,981	\$ 15,303,617
Net Revenues (Expenditures)	681,327	799,574	(479,364)	(51,896)	(165,084)
Fund Balance at Beginning of Year	4,287,793	4,969,120	5,768,694	5,289,330	5,237,434
Fund Balance at End of Year	\$ 4,969,120	\$ 5,768,694	\$ 5,289,330	\$ 5,237,434	\$ 5,072,350

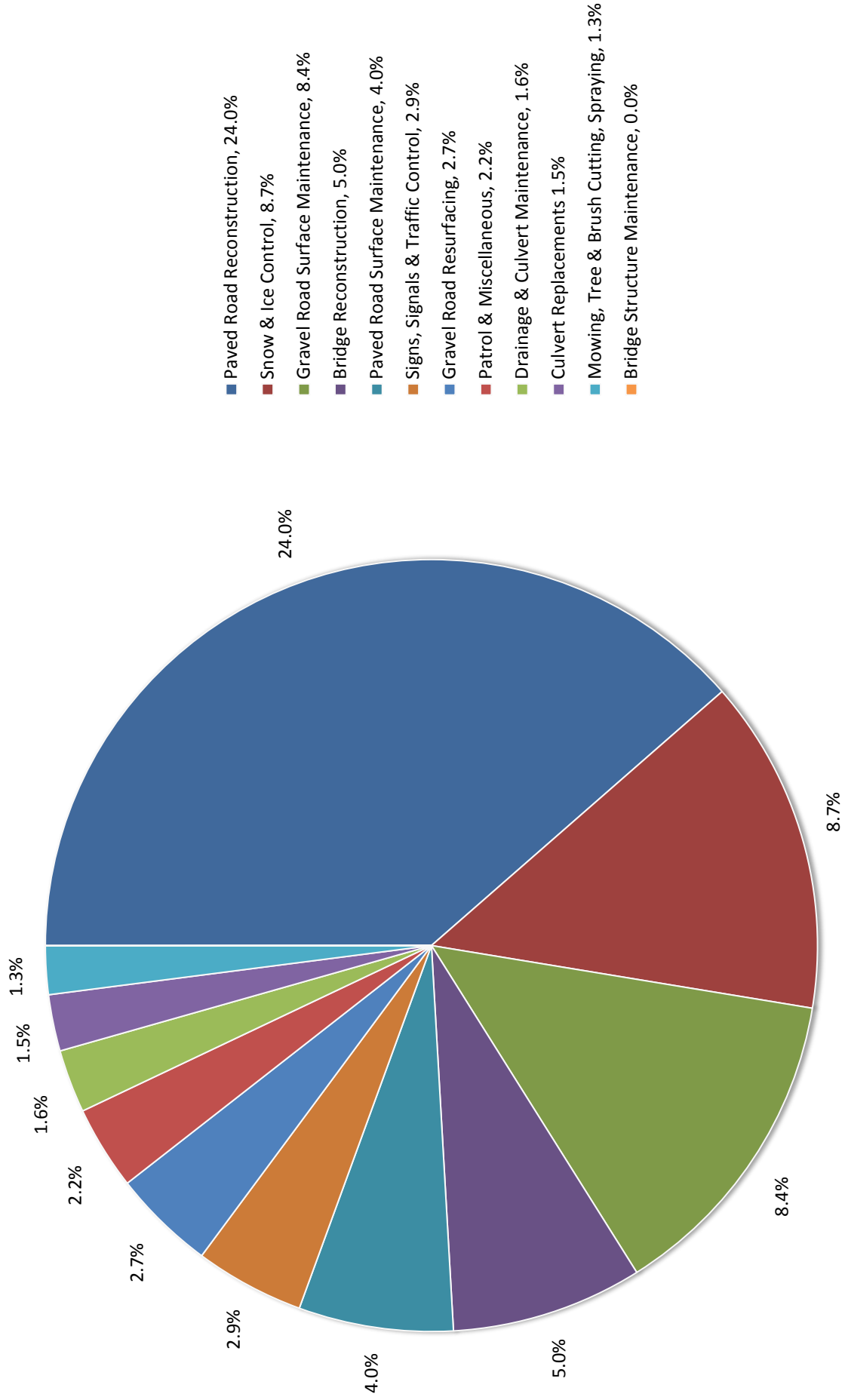
REVENUE



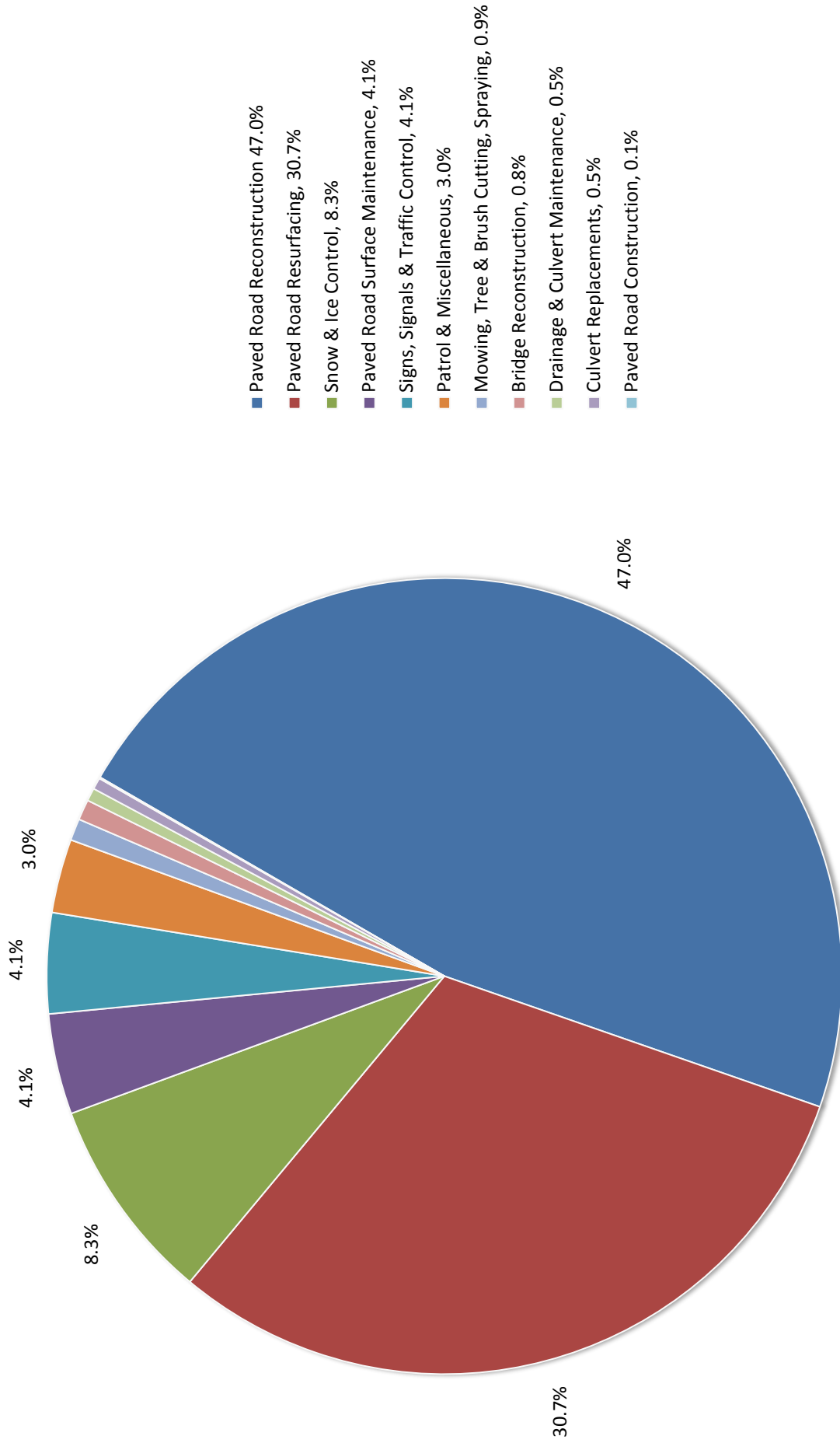
EXPENDITURES



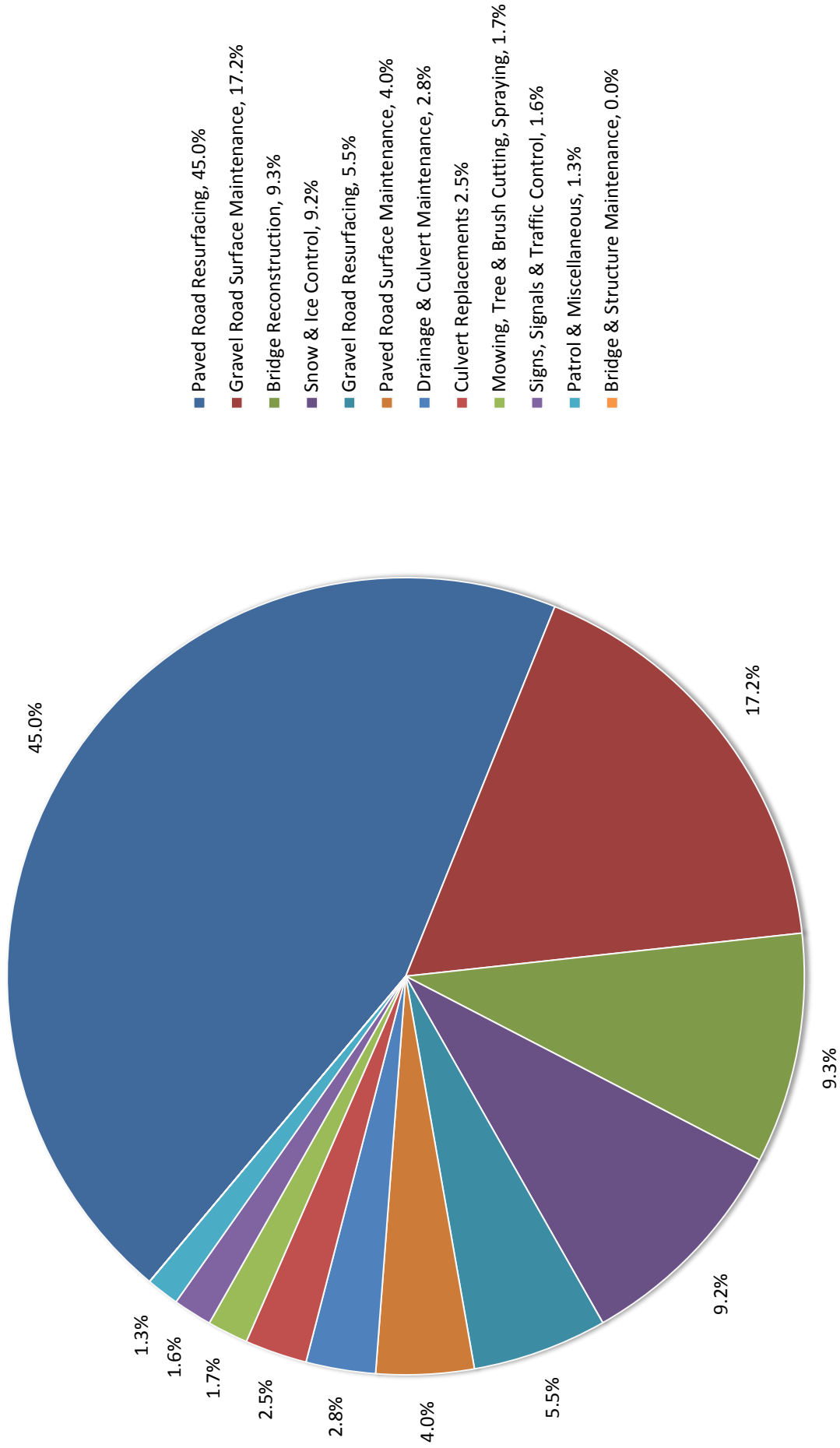
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	\$	3,931
Total Preservation/Structural Improvement Projects	\$	4,234,000
Total Preventative Maintenance Projects	\$	<u>1,537,339</u>
Total Primary Road and Bridge Projects	\$	<u><u>5,775,270</u></u>

Local Roads:

Total Construction/Capacity Improvement Projects	\$	-
Total Preservation/Structural Improvement Projects	\$	4,333,585
Total Preventative Maintenance Projects	\$	<u>29,086</u>
Total Local Road and Bridge Projects	\$	<u><u>4,362,671</u></u>

Grand Total **\$** **10,137,941**

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Ionia Rd, Five Point to Bellevue village limit <i>2015 Sealcoat</i>	4.17 mi	\$	79,205
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Local Roads:

Alpha Dr, Sand to Sand <i>2015 Local Road Millage Paved Road Resurface</i>	0.22 mi	\$	267
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Baseline Hwy at the I-69 overpass <i>2015 Local Road Millage Paved Road Resurface</i>	0.27 mi	\$	55,760
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Hall Rd, Sherwood west to end of pavement <i>2014 Regravel</i>	0.44 mi	\$	8,751
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Reynolds Rd, W Butterfield to the county line <i>2015 Local Road Millage Regravel</i>	1.62 mi	\$	14,357
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River Rd, Battle Creek to the county line <i>2015 Local Road Millage Regravel</i>	1.81 mi	\$	29,351
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Stony Point between Curtis and Hill <i>Repair 2015 Storm Damage</i>		\$	10,065
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Young Rd, Andrews to Five Point <i>2014 Regravel</i>	1.50 mi	\$	24,345
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Bellevue Township Total		\$	222,101
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Bellevue Township Contributions		\$	16,790
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2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BENTON TOWNSHIP

Primary Roads:

Doane Hwy, Otto to M-100 <i>2015 Sealcoat</i>	2.99 mi	\$	45,035
Hartel Rd, Kinsel to King <i>2015 Sealcoat</i>	1.54 mi	\$	50,930
Oneida Rd, Doane to Oneida Twp line <i>2015 Sealcoat</i>	0.44 mi	\$	24,040

Local Roads:

Gresham Hwy, M-100 to Royston <i>2015 Local Road Millage Paved Road Resurface</i>	0.99 mi	\$	90,009
Gresham Hwy over the Abel Drain <i>2014 Culvert Replacement</i>		\$	25,012

Benton Township Total \$ 235,026

Benton Township Contributions \$ 13,186

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BROOKFIELD TOWNSHIP

Primary Roads:

Bellevue Hwy, Brookfield to Thuma <i>2014 Sealcoat</i>	3.14 mi	\$	6,529
Bellevue Hwy, Thuma to Royston <i>2015 Sealcoat</i>	1.00 mi	\$	15,872
Cochran Rd over the East Page Drain <i>2015 Culvert Replacement</i>		\$	22,397
Narrow Lake Rd, Baseline to Bellevue <i>2014 Sealcoat</i>	2.10 mi	\$	5,898
Narrow Lake Rd over the Wilton Intercounty Drain <i>2015 Culvert Replacement</i>		\$	11,901

Local Roads:

Coats Rd, Hunt to its end <i>2015 Local Road Millage Regravel</i>	0.62 mi	\$	9,866
Coats Rd, Narrow Lake to end of pavement <i>2015 Local Road Millage Paved Road Resurface</i>	0.80 mi	\$	83,934
Hunt Hwy, Coats to Lake <i>2015 Local Road Millage Paved Road Resurface</i>	0.33 mi	\$	37,274
Lake Dr, end to end <i>2015 Local Road Millage Regravel</i>	0.24 mi	\$	3,119
Nye Hwy between Narrow Lake and Wilcox <i>Repair 2015 Storm Damage</i>		\$	2,787
Segar Rd between Royston and Baseline <i>2015 Culvert Replacement</i>		\$	2,806
Sherman Rd, Spicerville to Five Point <i>2015 Local Road Millage Regravel</i>	1.05 mi	\$	15,909

Brookfield Township Total \$ 218,292

Brookfield Township Contributions \$ -

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CARMEL TOWNSHIP

Primary Roads:

Chester Rd, Kalamo to Lawrence <i>2015 Sealcoat</i>	2.02 mi	\$	53,850
Five Point Hwy, Maurer to Matthews <i>Preliminary Engineering/Feasibility Study</i>		\$	3,931

Local Roads:

Broadway Hwy, Cochran to end of pavement <i>2015 Local Road Millage Paved Road Resurface</i>	1.19 mi	\$	127,496
Bradley Rd, Carlisle to W Lawrence <i>2015 Local Road Millage Regravel</i>	1.00 mi	\$	16,138
Kalamo Hwy, S Cochran to end of pavement <i>2015 Local Road Millage Regravel</i>	1.01 mi	\$	15,962
Tirrell Rd, Kalamo to Charlotte city limit <i>2015 Local Road Millage Regravel</i>	0.41 mi	\$	6,814

Carmel Township Total \$ 224,191

Carmel Township Contributions \$ -

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CHESTER TOWNSHIP

Local Roads:

Allegan Rd, Dow to M-50 <i>2015 Local Road Millage Paved Road Resurface</i>	1.44 mi	\$	179,232
Gresham Hwy, Mulliken to Wheaton <i>2014 Regravel</i>	2.01 mi	\$	34,708

Chester Township Total \$ 213,940

Chester Township Contributions \$ 17,602

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS



DELTA TOWNSHIP

Primary Roads:

Canal Rd, Delta Commerce to Willow <i>2014 Asphalt Overlay</i>	0.63 mi	\$	104,820
Creyts Rd at Anacapri and St. Joe <i>2015 Signal Modernization</i>		\$	422,263
Delta Center Elementary SRTS, St. Joe, Canal and Williamsburg - Non-Motorized <i>2010 Safe Routes to Schools</i>		\$	6,506
Jolly Hwy, Waverly to Williams <i>2014 Asphalt Overlay</i>	1.00 mi	\$	135,818
Millett Hwy, Lansing to Old Lansing <i>2014 Asphalt Overlay</i>	0.20 mi	\$	19,613
Michigan Ave, Theo to Waverly <i>2014 Asphalt Overlay</i>	0.78 mi	\$	109,012
St. Joe Hwy, Broadbent to Nixon <i>2014 Asphalt Overlay</i>	0.80 mi	\$	106,110
Millett Hwy, Lansing to Sanders <i>2014 Asphalt Overlay</i>	0.10 mi	\$	25,708
Mt. Hope Hwy, Nixon to the highway overpass <i>2014 Sealcoat</i>	1.68 mi	\$	581
Nixon Rd, M-43 to Willow <i>2014 Sealcoat</i>	1.00 mi	\$	431
Nixon Rd, M-43 to .5 mile south <i>2015 Sealcoat</i>	0.50 mi	\$	11,266
Nixon Rd, Mt. Hope to St. Joe <i>2014 Sealcoat</i>	1.01 mi	\$	227
Snow Rd, I-496 to St. Joe <i>2015 Asphalt Overlay</i>	0.44 mi	\$	71,088
Snow Rd at Michigan and St. Joe <i>2016 Signal Modernization</i>		\$	9,146
St. Joe Hwy, Broadbent to Marketplace <i>2013 Reconstruct & add turn lanes, bicycle lanes, sidewalk & signalize intersection</i>	0.60 mi	\$	1,637

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP CONTINUED

St. Joe Hwy, Marketplace to Canal <i>2015 Reconstruct</i>	0.40 mi	\$	376,464
St. Joe Hwy, Canal to Creyts <i>2014 Skin Patch</i>	1.00 mi	\$	32,711
St. Joe Hwy, Canal to Creyts <i>2016 Resurface</i>	1.00 mi	\$	6,389
St. Joe Hwy, Royston to Nixon <i>2015 Sealcoat</i>	0.95 mi	\$	18,289
Webster Rd, Armstrong to Delta River <i>2015 Asphalt Overlay</i>	0.45 mi	\$	48,373
Willow Hwy, township line to Canal <i>2013 Asphalt Overlay</i>	3.12 mi	\$	19,068
Local Roads:			
Appaloosa Way, Delta River to E Broadmoor <i>2015 Local Road Millage Paved Road Resurface</i>	0.28 mi	\$	49,226
Arabian Circle, W Broadmoor to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.06 mi	\$	14,496
Arlene Dr, Dibble to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.28 mi	\$	27,559
Barnestable Ln, W Broadmoor to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.06 mi	\$	6,303
Baywood Blvd, Delta River to Broadmoor <i>2015 Local Road Millage Paved Road Resurface</i>	0.05 mi	\$	2,526
Bittersweet Ln, Old Lansing to Thornapple <i>2015 Local Road Millage Paved Road Resurface</i>	0.14 mi	\$	14,843
Bretton Rd, Elizabeth to Saginaw <i>2015 Local Road Millage Paved Road Resurface</i>	0.25 mi	\$	38,183
E Broadmoor Dr, Arabian to Baywood <i>2015 Local Road Millage Paved Road Resurface</i>	0.37 mi	\$	18,351

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP CONTINUED

W Broadmoor Dr, Arabian to Baywood <i>2015 Local Road Millage Paved Road Resurface</i>	0.42 mi	\$	18,941
Carriage Hill, E Broadmoor to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.07 mi	\$	3,103
Claiborne Dr, Arlene to Dibble <i>2015 Local Road Millage Paved Road Resurface</i>	0.12 mi	\$	11,913
Clinton Rd, Delta River to Vermont <i>2015 Local Road Millage Paved Road Resurface</i>	0.22 mi	\$	20,223
Clydesdale Rd, E Broadmoor to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.27 mi	\$	49,024
Dibble Rd, Michigan to Saginaw <i>2015 Local Road Millage Paved Road Resurface</i>	0.58 mi	\$	58,417
Dickson Rd, Jerryson to Nixon <i>2015 Local Road Millage Paved Road Resurface</i>	0.22 mi	\$	22,411
Elizabeth Rd, Maycroft to Robins <i>2015 Local Road Millage Paved Road Resurface</i>	0.17 mi	\$	23,113
Foal St, Pinto to Appaloosa <i>2015 Local Road Millage Paved Road Resurface</i>	0.13 mi	\$	19,355
Gettysburg Dr, Vicksburg to Roundtop <i>2015 Local Road Millage Paved Road Resurface</i>	0.07 mi	\$	13,791
Granite Dr, Stone Ridge to Nugget <i>2015 Local Road Millage Paved Road Resurface</i>	0.06 mi	\$	12,025
Harpers Way, Shiloh to Roanoke <i>2015 Local Road Millage Paved Road Resurface</i>	0.26 mi	\$	28,513
Jerryson Dr, St. Joe to Dickson <i>2015 Local Road Millage Paved Road Resurface</i>	0.23 mi	\$	32,220
Jolly Rd, Williams to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.38 mi	\$	51,504
E Libbie Dr, Old Lansing to W Libbie <i>2015 Local Road Millage Paved Road Resurface</i>	0.21 mi	\$	46,382

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP CONTINUED

W Libbie Dr, Old Lansing to E Libbie <i>2015 Local Road Millage Paved Road Resurface</i>	0.23 mi	\$	20,096
Marcia Dr, Claiborne to Michigan <i>2015 Local Road Millage Paved Road Resurface</i>	0.15 mi	\$	15,586
Maycroft Rd, Saginaw to Elizabeth <i>2015 Local Road Millage Paved Road Resurface</i>	0.25 mi	\$	93,553
Meade Dr, Shiloh north 455' <i>2015 Local Road Millage Paved Road Resurface</i>	0.10 mi	\$	8,844
Meister Ln, Delta River to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.07 mi	\$	13,739
Nugget Dr, Granite to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.09 mi	\$	13,310
Park St, Libbie to Old Lansing <i>2015 Local Road Millage Paved Road Resurface</i>	0.15 mi	\$	19,154
Pinto Circle, Belgian to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.29 mi	\$	51,111
Rapidan Dr, Picketts to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.10 mi	\$	12,231
Roanoke Way, Roundtop to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.21 mi	\$	14,576
Roundtop Rd, Gettysburg north 470' <i>2015 Local Road Millage Paved Road Resurface</i>	0.09 mi	\$	10,521
Shiloh Way, Rapidan to Harpers <i>2015 Local Road Millage Paved Road Resurface</i>	0.19 mi	\$	21,512
Sloan Hwy, Creyts to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.24 mi	\$	74,613
Skyway Ln, Old Lansing to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.11 mi	\$	26,413
Stone Ridge Dr, Saginaw to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.20 mi	\$	30,119

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP CONTINUED

Thomas L Parkway, Saginaw to Arlene <i>2015 Local Road Millage Paved Road Resurface</i>	0.19 mi	\$	22,139
Thornapple Ln, Bittersweet to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.09 mi	\$	11,748
Vermont St, Delta River to Clinton <i>2015 Local Road Millage Paved Road Resurface</i>	0.19 mi	\$	15,973
Vicksburg Dr, Roundtop SW 900' <i>2015 Local Road Millage Paved Road Resurface</i>	0.18 mi	\$	21,409

Delta Township Total \$ 2,604,589

Delta Township Contributions \$ -

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS



EATON TOWNSHIP

Primary Roads:

Brookfield Rd, Narrow Lake to M-50 <i>2015 Sealcoat</i>	1.25 mi	\$	22,943
Five Point Hwy, Marshall to Royston <i>2015 Sealcoat</i>	6.02 mi	\$	108,094
Hartel Rd, Kinsel to Island <i>2015 Sealcoat</i>	2.01 mi	\$	45,861
Island Hwy, Charlotte city limit to Royston <i>2015 Sealcoat</i>	5.29 mi	\$	128,345
Narrow Lake Rd, Five Point to Brookfield <i>2015 Sealcoat</i>	2.45 mi	\$	49,697

Local Roads:

Brookfield Rd Bridge, over the Battle Creek <i>2015 Critical Bridge Replacement</i>		\$	632,446
Casler Rd, Island to Packard <i>2014 Sealcoat</i>	1.01 mi	\$	4,385
Eaton Green Rd, M-50 to Twelve Oaks <i>2015 Local Road Millage Paved Road Resurface</i>	0.46 mi	\$	23,534
Fairview Hwy, over the Butternut Creek <i>2014 Culvert Replacement</i>		\$	127,966
Kalamo Hwy Bridge, over the Battle Creek River <i>2012 Critical Bridge Replacement</i>		\$	51
Kalamo Hwy, Cochran to Tubs <i>2014 Skin Patch and Seal</i>	1.00 mi	\$	4,547
Kalamo Hwy, Tubbs to Brookfield <i>2015 Local Road Millage Paved Road Resurface</i>	1.04 mi	\$	128,876
Perkey Rd, Jenks to Long <i>2014 Sealcoat</i>	0.76 mi	\$	3,979
Stewart Rd, Long to M-50 <i>2014 Sealcoat</i>	1.01 mi	\$	3,676

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP CONTINUED

Stewart Rd, Mills to Long <i>2014 Fog Seal with Pavement Markings</i>	1.01 mi	\$	3,215
Twelve Oaks Dr, 300' east of Eaton Green to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.13 mi	\$	4,124
Various Subdivision Streets <i>2014 Crack Seal</i>	13.54 mi	\$	8,093

Eaton Township Total		\$	1,299,832
Eaton Township Contributions		\$	139,716

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON RAPIDS TOWNSHIP

Primary Roads:

Canal Rd, Bentley to Island <i>2014 Sealcoat</i>	1.50 mi	\$	253
Canal Rd, Wilbur to Island <i>2015 Sealcoat</i>	2.02 mi	\$	43,896
Columbia Hwy, Smith to Waverly <i>2014 Sealcoat</i>	2.01 mi	\$	908
Five Point Hwy, Royston to .44 miles east and Whittum to Eaton Rd <i>2015 Sealcoat</i>	0.97 mi	\$	18,162
Island Hwy, Canal to Smith <i>2014 Sealcoat</i>	1.02 mi	\$	702
Island Hwy, Royston to Canal <i>2015 Sealcoat</i>	2.96 mi	\$	79,972
Royston Rd, M-50 to Five Point <i>2015 Sealcoat</i>	1.59 mi	\$	24,104
Smith Rd, Island to Columbia <i>2014 Sealcoat</i>	1.00 mi	\$	625

Local Roads:

Barnes Hwy, Arch to Eaton Rapids city limit <i>2015 Local Road Millage Paved Road Resurface</i>	1.01 mi	\$	118,161
Canfield Rd, M-50 south to twp line <i>2014 Regravel</i>	1.17 mi	\$	21,497
Gunnell Rd, Columbia north to twp line <i>2014 Regravel</i>	1.02 mi	\$	19,435
Petrieville Hwy, M-99 to Arch <i>2015 Local Road Millage Paved Road Resurface</i>	0.69 mi	\$	64,767

Eaton Rapids Township Total \$ 392,482

Eaton Rapids Township Contributions \$ 20,797

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Kinneville Rd, Eaton Rapids city limits to Waverly <i>2014 Sealcoat</i>	3.20 mi	\$	1,266
Five Point Hwy, .44 mile east of Royston to Whittum <i>2015 Sealcoat</i>	1.86 mi	\$	33,707
Royston Rd, Five Point to Bellevue <i>2015 Sealcoat</i>	3.85 mi	\$	63,761
Waverly Rd, Bellevue to end of M-188 <i>2014 Sealcoat</i>	1.51 mi	\$	648

Local Roads:

Canfield Rd, Five Point to twp line <i>2014 Regravel</i>	0.22 mi	\$	3,154
Cockroft Rd between Wilson and Markle <i>2015 Culvert Replacement</i>		\$	2,706
Freeman Rd, Spicerville to Five Point <i>2015 Local Road Millage Paved Road Resurface</i>	0.85 mi	\$	7,449
Holmes Rd, M-99 to Wilson <i>2014 Thin Asphalt Overlay & Sealcoat</i>	0.94 mi	\$	3,965
Houston Rd, Bellevue to Griffith <i>2014 Regravel</i>	1.68 mi	\$	28,946
Houston Rd, Kinneville to VFW <i>2015 Local Road Millage Paved Road Resurface</i>	0.76 mi	\$	86,093
Nye Hwy over the Carter Drain <i>2015 Culvert Replacement</i>		\$	3,868
Royston Rd between Halsey and the county line <i>Repair 2015 Storm Damage</i>		\$	4,249

Hamlin Township Total \$ 239,812

Hamlin Township Contributions \$ 18,449

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

KALAMO TOWNSHIP

Primary Roads:

Five Point Hwy, Ionia to Lacey Lake <i>2015 Sealcoat</i>	2.08 mi	\$	40,293
Kalamo Hwy, Curtis to Swift <i>2015 Sealcoat</i>	4.60 mi	\$	95,512

Local Roads:

Carlisle Hwy over the Fairfax Drain <i>2014 Culvert Replacement</i>		\$	3,294
Lacey Lake Rd, M-79 to Carlisle <i>2015 Local Road Millage Paved Road Resurface</i>	1.00 mi	\$	110,480

Kalamo Township Total		\$	249,579
Kalamo Township Contributions		\$	1,682

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS



ONEIDA TOWNSHIP

Primary Roads:

Benton Rd, M-43 to Eaton <i>2015 Sealcoat</i>	1.04 mi	\$	21,586
Cochran Rd, Needmore to M-43 <i>2015 Sealcoat</i>	5.05 mi	\$	100,139
Oneida Rd, M-43 to CSX Railroad Crossing <i>2014 Reconstruct Intersection & Asphalt Overlay</i>	0.30 mi	\$	763,659
Oneida Rd, Mt. Hope to M-43 <i>2014 Sealcoat</i>	3.02 mi	\$	497
Oneida Rd, Mt. Hope to Benton Twp line <i>2015 Sealcoat</i>	2.01 mi	\$	36,218
Willow Hwy, city of Grand Ledge to Oneida Twp line <i>2013 Asphalt Overlay</i>	0.77 mi	\$	5,080

Local Roads:

Kenyon Rd, M-43 to Eaton <i>2015 Local Road Millage Regravel</i>	1.03 mi	\$	18,359
Lawson Rd, Jefferson to Eaton <i>2015 Local Road Millage Paved Road Resurface</i>	1.02 mi	\$	134,495
Legend Dr, M-43 to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.10 mi	\$	14,166
Oneida Rd between Eaton and M-43 <i>Repair 2015 Storm Damage</i>		\$	4,379
Oneida Rd, RR crossing to Eaton <i>2015 Local Road Millage Paved Road Resurface</i>	0.73 mi	\$	76,266
Partlow St, Jefferson to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.26 mi	\$	21,243
Pepperkorn Dr, Legend to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.19 mi	\$	28,613

Oneida Township Total \$ 1,224,700

Oneida Township Contributions \$ -

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ROXAND TOWNSHIP

Primary Roads:

Dow Rd, M-50 to St. Joe <i>2015 Sealcoat</i>	2.50 mi	\$	50,135
Mulliken Rd, Mt. Hope to M-43 <i>2014 Sealcoat</i>	3.03 mi	\$	436
Needmore Hwy, M-50 to Mulliken <i>2014 Sealcoat</i>	2.53 mi	\$	1,663

Local Roads:

Boyer Rd, Needmore to Strange <i>2015 Local Road Millage Paved Road Resurface</i>	1.01 mi	\$	19,005
Boyer Rd, Strange to Mt. Hope <i>2016 Local Road Millage Paved Road Resurface</i>	1.00 mi	\$	17,993
Gates Rd, Saginaw to its dead end <i>2015 Local Road Millage Regravel</i>	1.73 mi	\$	30,899

Roxand Township Total		\$	120,131
Roxand Township Contributions		\$	-

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS



SUNFIELD TOWNSHIP

Primary Roads:

Sunfield Rd, Mt. Hope to M-43 <i>2015 Sealcoat</i>	3.01 mi	\$	63,773
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Local Roads:

Round Lake Rd, CSX RR crossing to Eaton <i>2015 Local Road Millage Regravel</i>	0.52 mi	\$	9,755
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Round Lake Rd, M-50 to M-43 <i>2015 Local Road Millage Regravel</i>	1.58 mi	\$	28,993
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St. Joe Hwy bridge over the Sebewa Creek <i>2016 Critical Bridge Replacement</i>		\$	20,027
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St. Joe Hwy, Ionia to its dead end <i>2015 Local Road Millage Paved Road Resurface</i>	1.10 mi	\$	141,723
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Sunfield Township Total		\$	264,271
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Sunfield Township Contributions		\$	-
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2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

VERMONTVILLE TOWNSHIP

Primary Roads:

Nashville Hwy, Curtis to Ionia <i>2015 Sealcoat</i>	2.64 mi	\$	68,715
Vermontville Hwy, Hager to Vermontville city limits <i>2014 Sealcoat</i>	2.37 mi	\$	831

Local Roads:

Allegan Rd, Shaytown to Dow <i>2015 Local Road Millage Paved Road Resurface</i>	1.27 mi	\$	141,635
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Other:

Maple Valley SRTS Pathway Project <i>2014 Safe Routes to Schools</i>		\$	36,976
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Vermontville Township Total		\$	248,157
Vermontville Township Contributions		\$	-
Maple Valley Public Schools Contribution		\$	23,000

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WALTON TOWNSHIP

Primary Roads:

Ainger Rd Structure over the Dillon Drain <i>2015 Deck Replacement</i>		\$	60,805
Marshall Rd, Nye to I-69 <i>2014 Joint Repair and Asphalt Overlay</i>	2.81 mi	\$	202,081
Marshall Rd, Nye to Olivet village limit <i>2015 Joint Repair and Asphalt Overlay</i>	2.90 mi	\$	1,441,828

Local Roads:

Baseline Hwy between Green and Oxby <i>Repair 2015 Storm Damage</i>	mi	\$	854
Butterfield Hwy, Weeks to Oxby <i>2015 Local Road Millage Paved Road Resurface</i>	1.03 mi	\$	109,640
Green Rd between Baseline and Butterfield <i>Repair 2015 Storm Damage</i>	mi	\$	3,450
Matthews Rd between Butterfield and Bellevue <i>2015 Culvert Replacement</i>	mi	\$	2,774
Miller Hwy between Scott and Baum <i>Repair 2015 Storm Damage</i>	mi	\$	1,227
Nye Hwy, Matthews to Cochran <i>2015 Local Road Millage Regravel</i>	1.02 mi	\$	16,978
Weeks Rd between Baseline and Butterfield <i>Repair 2015 Storm Damage</i>	mi	\$	2,236
Weeks Rd, Butterfield to Butterfield <i>2015 Local Road Millage Paved Road Resurface</i>	0.12 mi	\$	14,092
Willis Rd between Weeks and Bellevue <i>2015 Culvert Replacement</i>	mi	\$	3,326

Walton Township Total \$ 1,859,291

Walton Township Contributions \$ -

2014-2015

PRIMARY AND LOCAL ROAD IMPROVEMENTS



WINDSOR TOWNSHIP

Primary Roads:

Bishop Hwy, Creyts to Waverly <i>2015 Sealcoat</i>	2.00 mi	\$	36,490
Canal Rd, Bridge to Lansing <i>2014 Crush & Shape, Asphalt Overlay</i>	2.00 mi	\$	121,309
Canal/Windsor Intersection <i>2014 Widen, Add Turn Lanes</i>		\$	80,756
Canal Rd, Vermontville to Wilbur <i>2015 Sealcoat</i>	2.00 mi	\$	40,290
Guinea Rd, Lansing to Billwood <i>2014 Sealcoat</i>	0.68 mi	\$	148
Hart Hwy, Creyts to Williams <i>2015 Sealcoat</i>	1.01 mi	\$	24,336
Williams Rd, Hart to Jolly <i>2015 Sealcoat</i>	0.96 mi	\$	21,181
Windsor Hwy, Canal to Dimondale <i>2014 Asphalt Overlay</i>	0.15 mi	\$	28,218

Local Roads:

Nixon Rd, Oak to Davis <i>2015 Local Road Millage Paved Road Resurface</i>	0.46 mi	\$	58,783
Walnut Hwy, Canal to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.57 mi	\$	91,431
Riverside Dr, M-99 to its end <i>2015 Local Road Millage Paved Road Resurface</i>	0.41 mi	\$	42,138
Davis Hwy, Lansing to Delta Twp line <i>2015 Local Road Millage Paved Road Resurface</i>	0.13 mi	\$	78
Brooks Landing Subdivision <i>2014 Crack Seal</i>	0.53 mi	\$	1,190

Windsor Township Total \$ 546,348

Windsor Township Contributions \$ 566

2014-2015 PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 66,686	18.40	\$ 3,624
Benton	120,044	28.13	4,267
Brookfield	48,615	18.41	2,641
Carmel	80,233	23.36	3,435
Chester	81,309	13.70	5,935
Delta	389,671	55.85	6,977
Eaton	118,443	25.99	4,557
Eaton Rapids	71,910	24.09	2,985
Hamlin	60,245	26.47	2,276
Kalamo	57,684	18.30	3,152
Oneida	65,825	23.51	2,800
Roxand	86,414	20.72	4,171
Sunfield	74,989	22.80	3,289
Vermontville	60,590	17.51	3,460
Walton	74,001	23.00	3,217
Windsor	110,408	31.54	3,501
Total Primary Maintenance	\$ 1,567,067	391.78	\$ 4,000

2014-2015 LOCAL ROAD ROUTINE MAINTENANCE

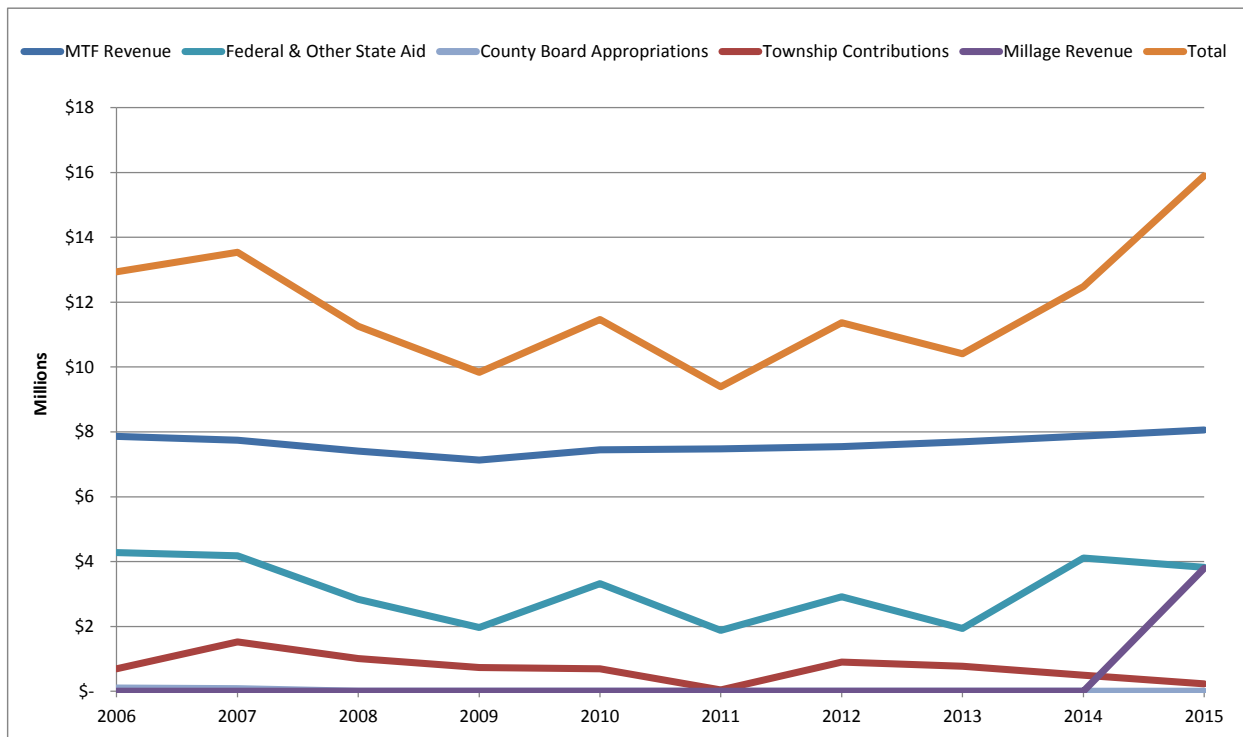
SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 177,467	48.67	\$ 3,646
Benton	125,097	33.62	3,721
Brookfield	181,452	54.02	3,359
Carmel	144,771	42.25	3,427
Chester	168,745	48.62	3,471
Delta	327,727	111.23	2,946
Eaton	115,315	42.17	2,735
Eaton Rapids	160,029	43.29	3,697
Hamlin	140,101	44.82	3,126
Kalamo	160,683	47.62	3,374
Oneida	141,831	40.40	3,511
Roxand	166,225	44.59	3,728
Sunfield	165,570	37.41	4,426
Vermontville	174,038	42.13	4,131
Walton	164,461	47.71	3,447
Windsor	171,560	53.05	3,234
Total Local Maintenance	\$ 2,685,072	781.60	\$ 3,435

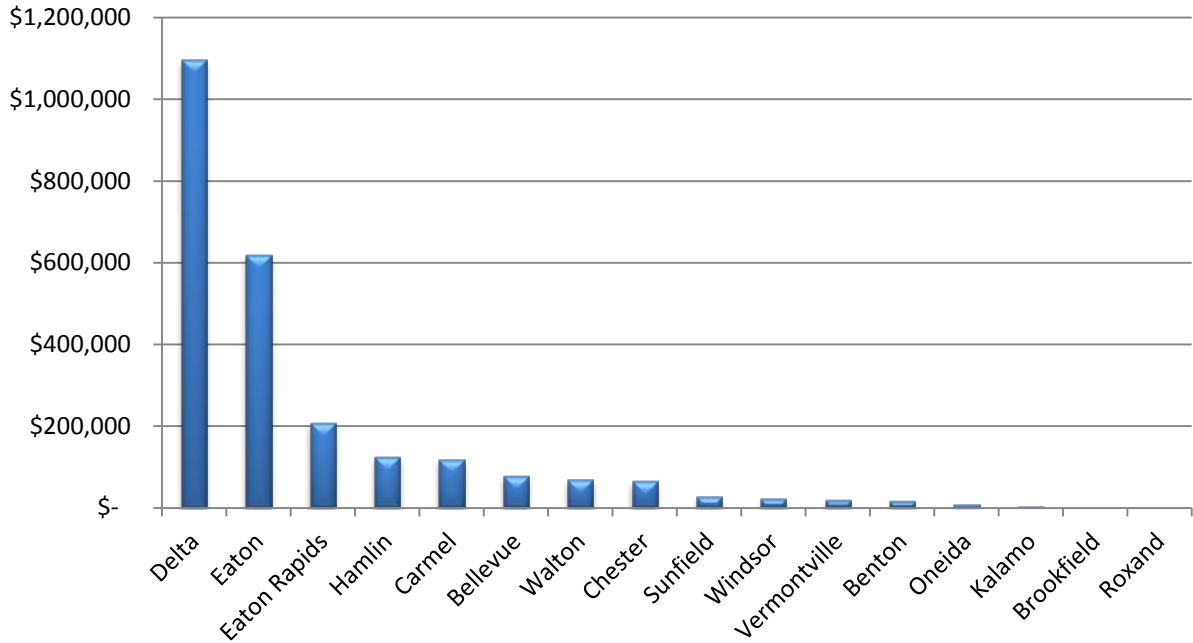
TEN YEAR HISTORY

MTF REVENUE, TOWNSHIP CONTRIBUTIONS, COUNTY BOARD APPROPRIATIONS AND MILLAGE REVENUE

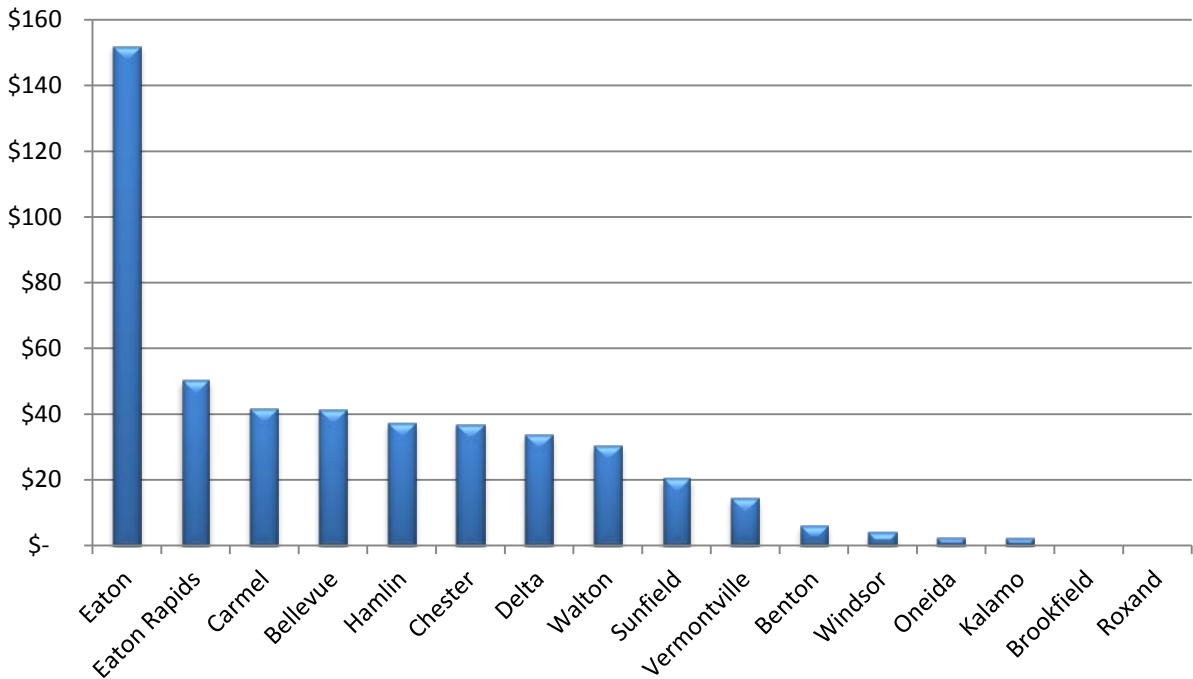
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2006	7,858,406	4,276,380	107,344	696,861	-	12,938,991	8.9%
2007	7,742,677	4,183,260	85,957	1,528,846	-	13,540,740	19.7%
2008	7,406,648	2,841,462	-	1,006,718	-	11,254,828	13.6%
2009	7,128,770	1,972,174	-	737,984	-	9,838,928	10.4%
2010	7,448,713	3,317,154	-	697,087	-	11,462,954	9.4%
2011	7,475,999	1,877,891	-	42,128	-	9,396,018	0.6%
2012	7,545,228	2,920,113	-	902,228	-	11,367,569	12.0%
2013	7,695,041	1,943,833	-	773,359	-	10,412,233	10.1%
2014	7,871,876	4,112,744	-	500,127	-	12,484,747	6.4%
2015	8,057,044	3,821,769	-	228,788	3,790,275	15,897,876	2.8%



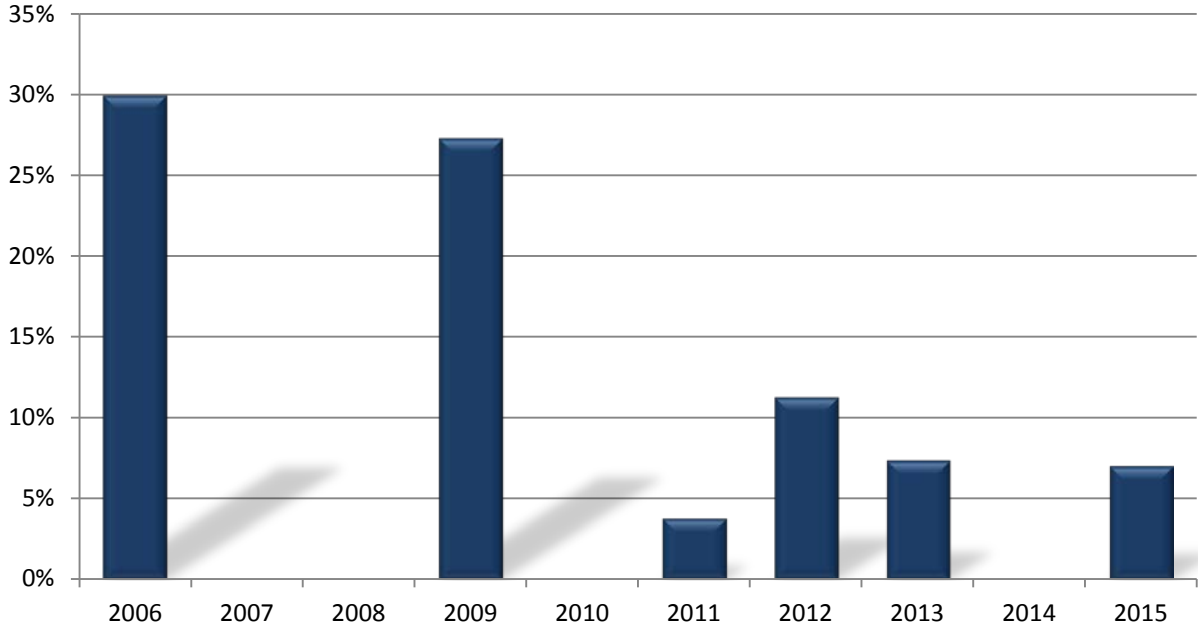
Five Year Township Contributions by Dollar to Primary and Local Roads



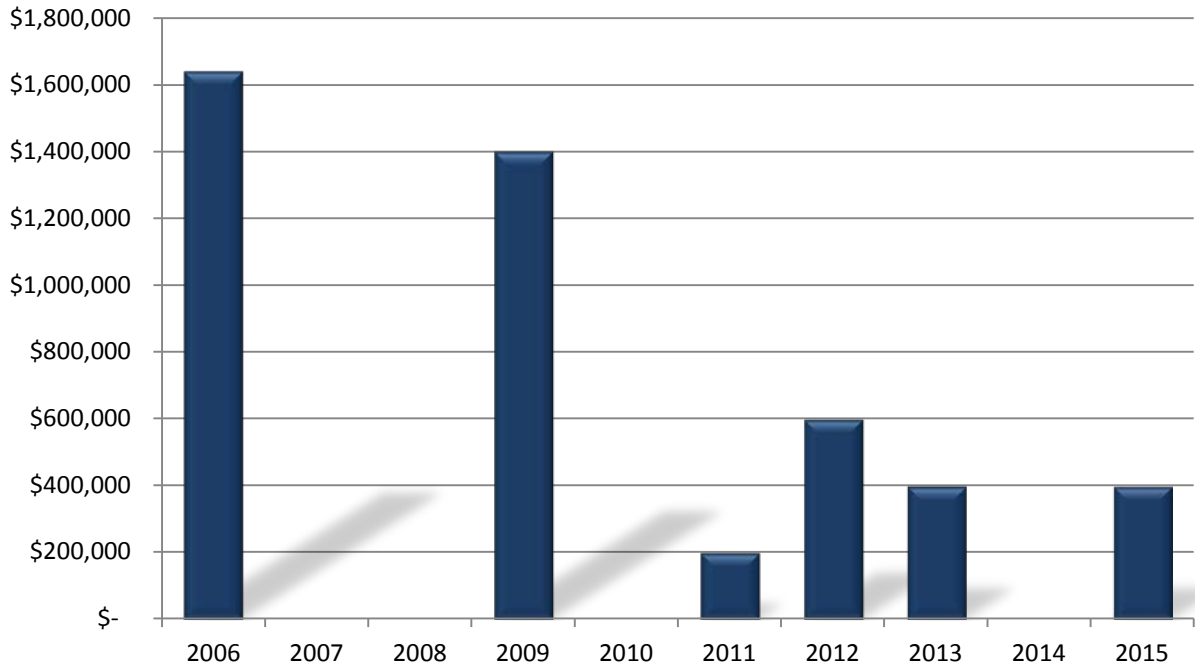
Five Year Township Contributions Per Capita to Primary and Local Roads



**TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL ROAD FUND
AS A PERCENT OF TOTAL PRIMARY MTF DISTRIBUTIONS
2006-2015**

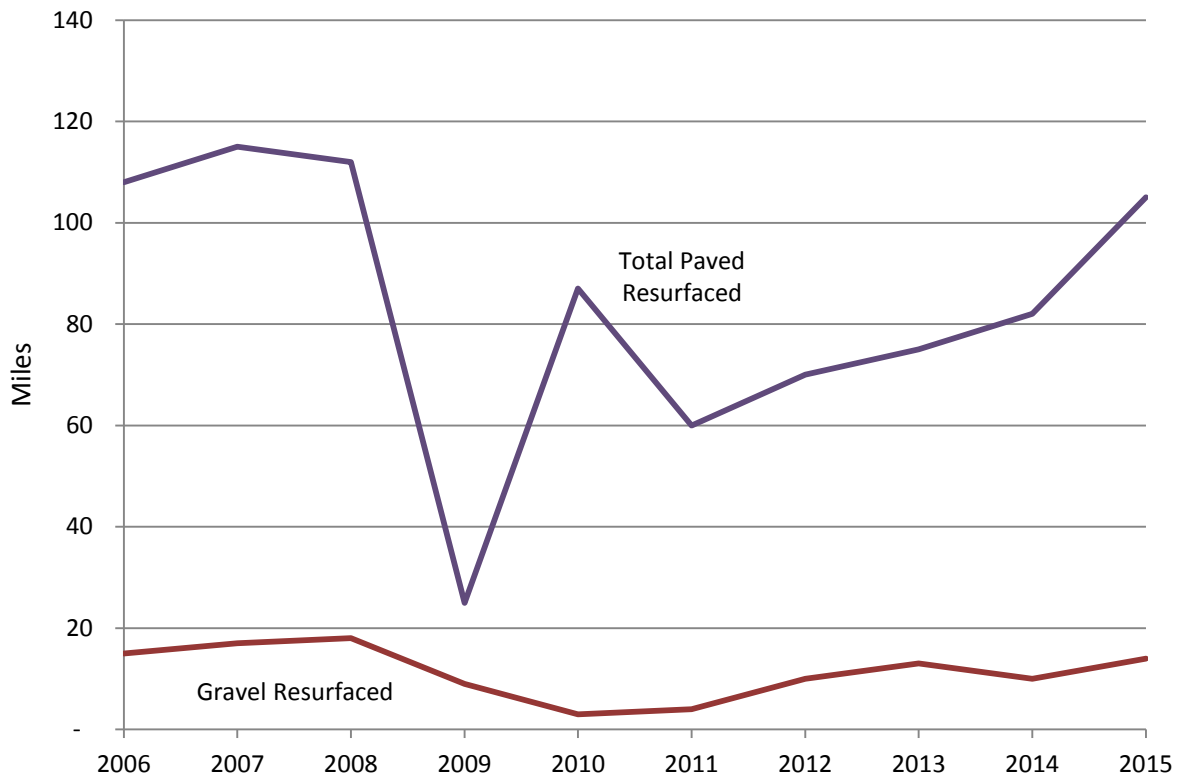


**DOLLAR TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL
ROAD FUND
2006-2015**



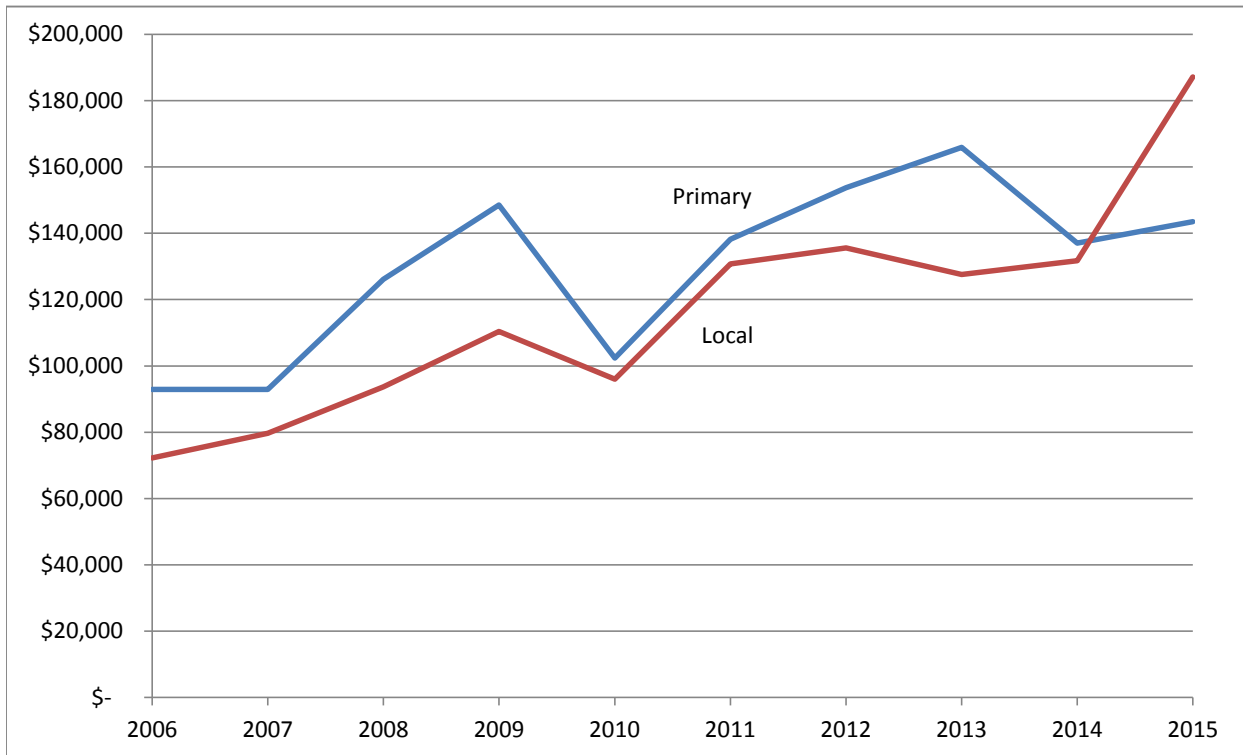
TEN YEAR HISTORY ROAD RESURFACING

<u>YEAR</u>	<u>PRIMARY PAVED MILES RESURFACED</u>	<u>LOCAL PAVED MILES RESURFACED</u>	<u>TOTAL MILES RESURFACED</u>	<u>LOCAL MILES GRAVELLED</u>
2006	65	43	108	15
2007	86	29	115	17
2008	97	15	112	18
2009	2	23	25	9
2010	87	-	87	3
2011	56	4	60	4
2012	61	9	70	10
2013	66	9	75	13
2014	76	6	82	10
2015	77	28	105	14



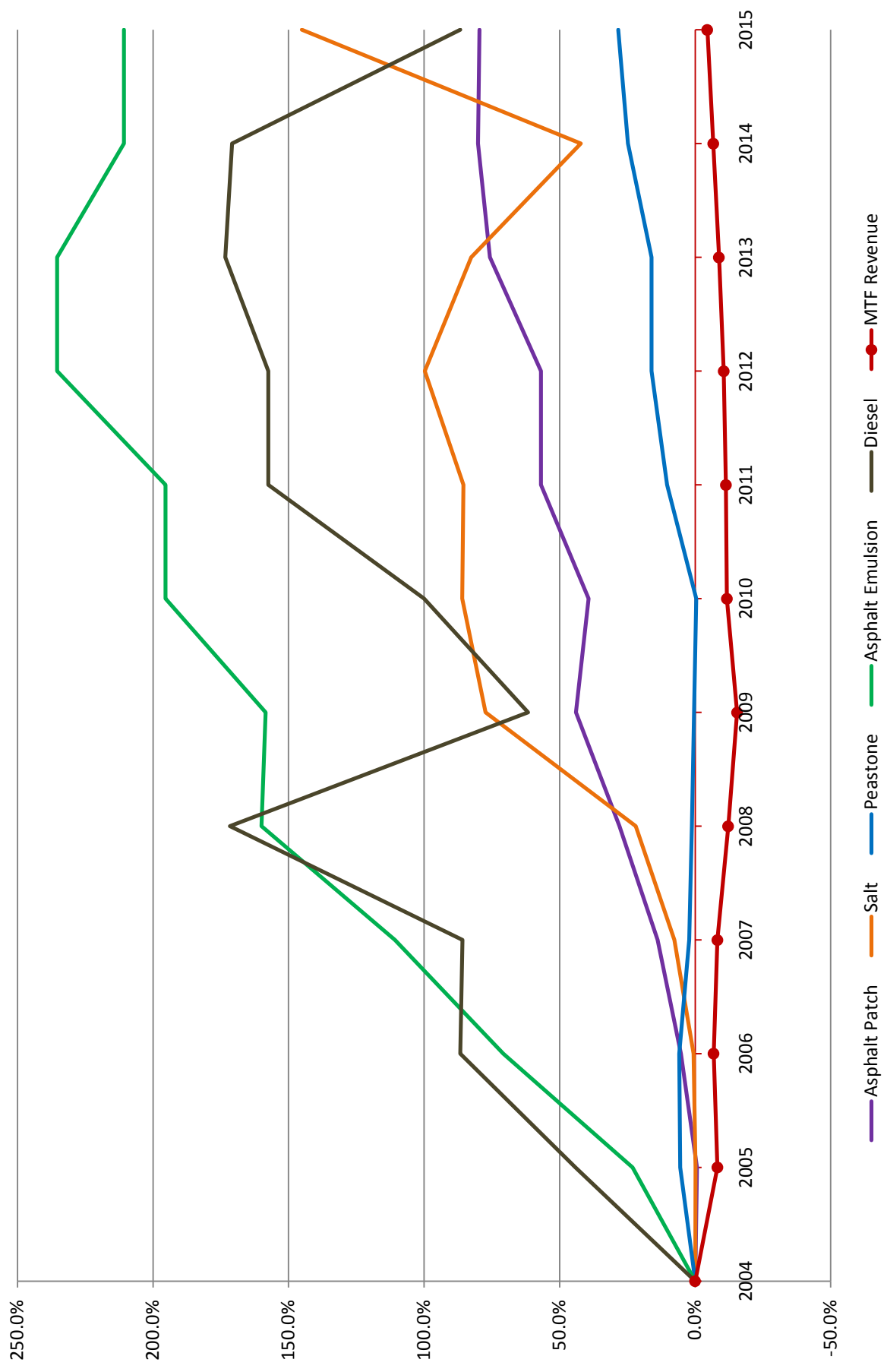
ANNUAL POTHOLE PATCHING COSTS

YEAR	PRIMARY TONS	LOCAL TONS	TOTAL TONS	PRIMARY COST	LOCAL COST	TOTAL COST	AVG COST/MILE OF PRIMARY	AVG COST/MILE OF LOCAL	AVG COST/TON OF COLD PATCH
2006	265	147	412	\$ 92,932	\$ 72,276	\$ 165,208	\$ 243	\$ 263	\$ 401
2007	380	179	559	92,925	79,671	172,596	243	290	309
2008	269	206	475	126,126	93,649	219,775	330	341	463
2009	304	226	530	148,508	110,430	258,938	389	402	489
2010	168	182	350	102,375	96,049	198,424	262	349	567
2011	217	270	487	138,209	130,727	268,936	354	465	552
2012	208	236	444	153,715	135,620	289,335	393	483	652
2013	258	215	473	165,932	127,585	293,517	424	454	621
2014	228	243	471	137,026	131,731	268,757	350	468	571
2015	246	341	587	143,466	187,172	330,638	366	665	563

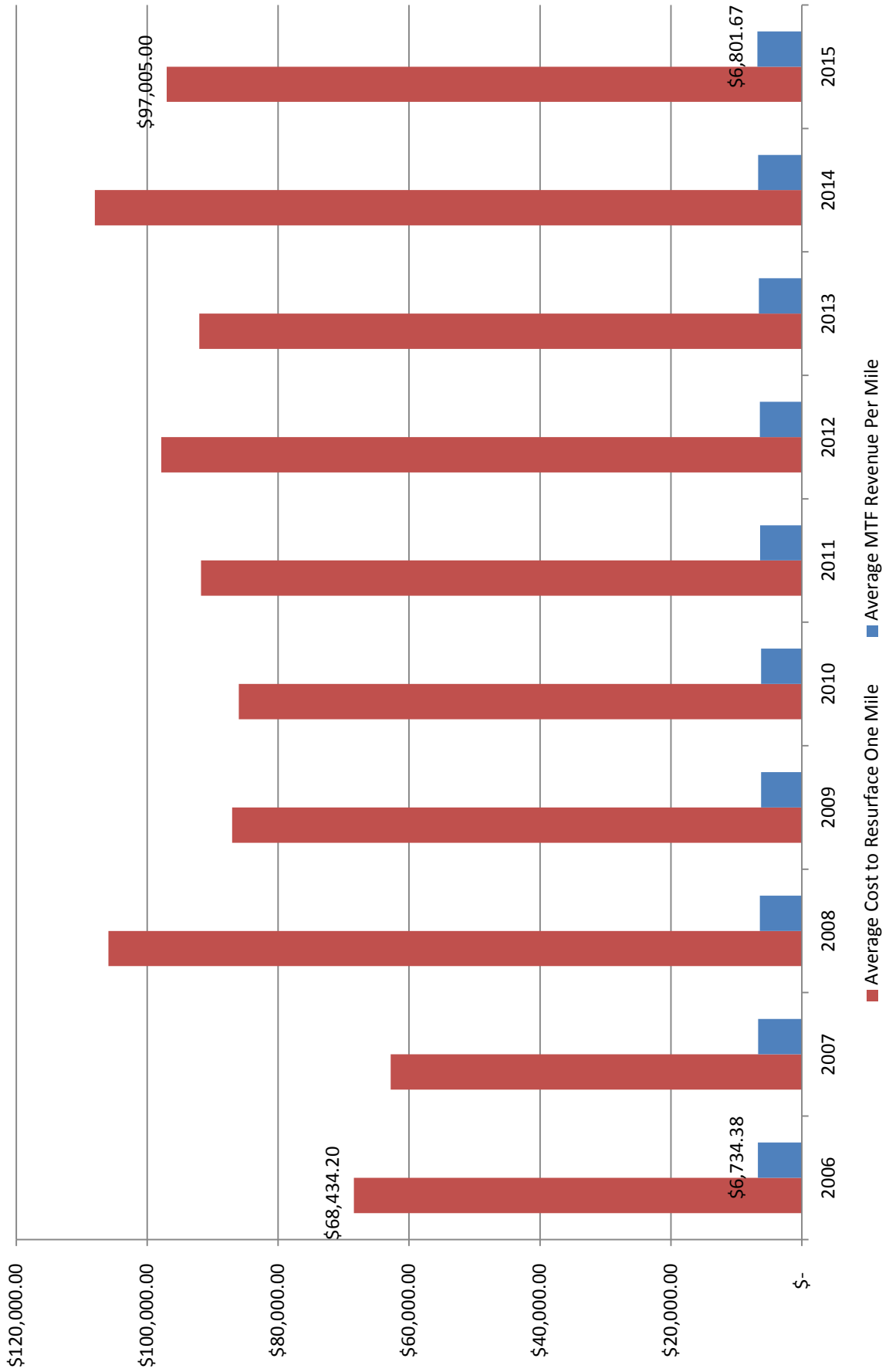


MATERIAL COST TRENDS

BASE YEAR: 2004

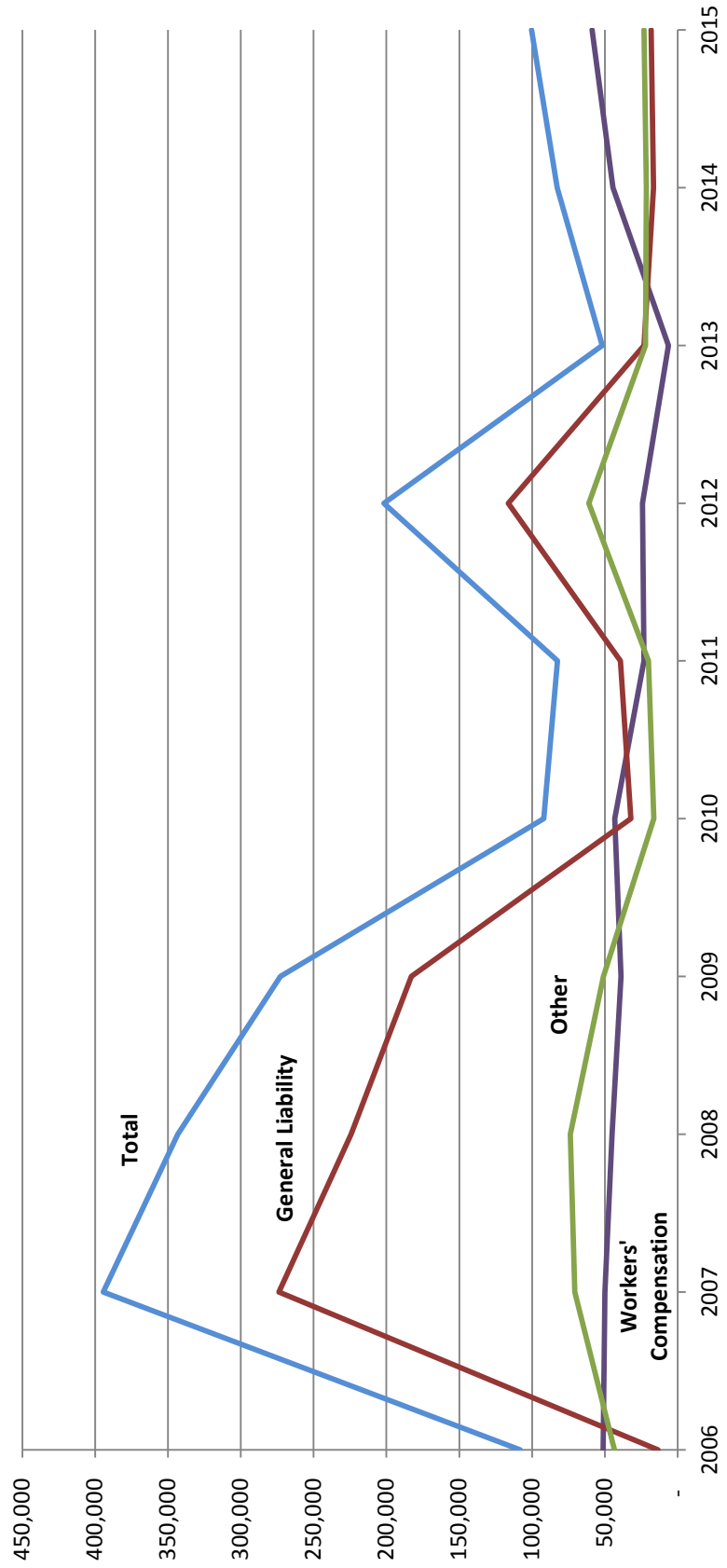


PAVING COST TRENDS PER MILE



ANNUAL INSURANCE COSTS

YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Workers' Compensation	51,154	50,000	45,145	38,937	43,319	23,124	24,163	6,418	44,578	58,825
General Liability	13,552	273,832	224,354	182,841	32,247	39,346	116,336	23,275	16,655	18,277
Other	43,457	70,595	73,770	51,018	16,496	20,093	61,149	22,187	21,554	23,278
Total	108,163	394,427	343,269	272,796	92,062	82,563	201,648	51,880	82,787	100,380



SUMMARY OF PERMIT DEPARTMENT OPERATIONS

Permit Type	Number Issued	Amount Collected
Annual Permits/Cab Cards	268	
Single Move Permits	468	
Driveway Permits	138	
Utility Permits	147	
Building Move Permits	-	
Tap In Permits	1	
Road Bore	109	
		\$ 72,449
Highway Permits/Bituminous Road Cuts	10	\$ 4,000
Accident/Sign Damages Recovered		\$ 498
Highway Permits/Miscellaneous (no charge)	37	
Total Permit Fees Collected		\$ 76,947

2014-2015 CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Overhead Garage Doors - Charlotte	\$ 36,913
Parking Lot Lights - Charlotte	\$ 2,437
Brine Well Pump	\$ 8,385
Base Radio & Power Amplifier	\$ 4,355
Total Building and Yard & Storage	<u>\$ 52,090</u>

Road Equipment

2 Dodge 1500 Pickups	\$ 43,949
2 Ford Small Dump Trucks	71,416
2 Freightliner Tandem Trucks (chassis)	228,730
John Deere Loader	225,287
6 Weed Trimmers	978
GPS Radio Equipment	6,272
Stihl Concrete Cutoff Saw & Cart	2,695
5 Samsung Mobile Phones	1,280
Rebuilt Transmissions/Engines and Repairs - various vehicles	<u>9,524</u>
Total Road Equipment	<u>\$ 590,131</u>

Shop Equipment

Power Washer Repairs	<u>\$ 1,950</u>
Total Shop Equipment	<u>\$ 1,950</u>

Total 2014-2015 Capital Outlay Expense \$ 644,171

STATUS OF ROAD MILEAGE JANUARY 1, 2016

TOWNSHIP	PRIMARY ROADS		TOTAL MILES PRIMARY	LOCAL ROADS		PLATTED STREETS		TOTAL MILES LOCAL	TOTAL MILES IN TWP	TOTAL MILES PAVED	TOTAL PERCENT PAVED	TOTAL MILES GRAVEL
	PAVED	GRAVEL		PAVED	GRAVEL	PAVED	GRAVEL					
Bellevue	18.40	-	18.40	3.66	44.78	0.23	-	48.67	67.07	22.29	33.23%	44.78
Benton	28.13	-	28.13	7.02	26.60	-	-	33.62	61.75	35.15	56.92%	26.60
Brookfield	18.41	-	18.41	9.19	44.83	-	-	54.02	72.43	27.60	38.11%	44.83
Carmel	23.36	-	23.36	8.26	33.66	0.33	-	42.25	65.61	31.95	48.70%	33.66
Chester	13.70	-	13.70	4.52	43.97	-	0.13	48.62	62.32	18.22	29.24%	44.10
Delta	55.85	-	55.85	8.98	7.37	94.60	0.64	111.59	167.44	159.43	95.22%	8.01
Eaton	25.99	-	25.99	19.28	18.61	4.28	-	42.17	68.16	49.55	72.70%	18.61
Eaton Rapids	24.09	-	24.09	7.59	35.70	-	-	43.29	67.38	31.68	47.02%	35.70
Hamlin	26.47	-	26.47	13.06	31.66	-	0.10	44.82	71.29	39.53	55.45%	31.76
Kalamo	18.30	-	18.30	8.26	39.10	0.26	-	47.62	65.92	26.82	40.69%	39.10
Oneida	23.51	-	23.51	16.19	14.55	9.47	0.19	40.40	63.91	49.17	76.94%	14.74
Roxand	20.72	-	20.72	10.07	34.52	-	-	44.59	65.31	30.79	47.14%	34.52
Sunfield	22.80	-	22.80	12.95	23.74	0.72	-	37.41	60.21	36.47	60.57%	23.74
Vermontville	17.51	-	17.51	3.56	38.57	-	-	42.13	59.64	21.07	35.33%	38.57
Walton	23.00	-	23.00	12.29	35.42	-	-	47.71	70.71	35.29	49.91%	35.42
Windsor	31.54	-	31.54	16.19	25.80	10.60	0.30	52.89	84.43	58.33	69.09%	26.10
TOTAL	391.78	-	391.78	161.07	498.88	120.49	1.36	781.80	1,173.58	673.34	57.37%	500.24