



*Eaton County*  
**Road  
Commission**

**2013-2014**

**SUPPLEMENTAL ANNUAL REPORT**

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

[www.eatoncountyroad.com](http://www.eatoncountyroad.com)

Version 3-24





# 2013-2014 SUPPLEMENTAL ANNUAL REPORT

---

OCTOBER 1, 2013 – SEPTEMBER 30, 2014

**TIMOTHY L. LAMOREAUX, CHAIRMAN**

*Term expires 12-31-2016*

**BENJAMIN S. LYONS, VICE CHAIRMAN**

*Term expires 12-31-2020*

**DUANE A. ELDRED, MEMBER**

*Term expires 12-31-2019*

**DOROTHY E. MAXWELL, MEMBER**

*Term expires 12-31-2019*

**DARRELL R. TENNIS, MEMBER**

*Term expires 12-31-2016*

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

**LORI N. FRIEDLIS, CPA, FINANCE DIRECTOR**



# TABLE OF CONTENTS

---

Introduction	7
Organizational Chart	11
Financial Summary	13
Illustration of Revenues and Expenses	15
Illustration of Overall Primary and Local Road and Bridge Expenditures	17
Illustration of Primary Road and Bridge Expenditures	18
Illustration of Local Road and Bridge Expenditures	19
Summary of 2013-2014 Road Improvement Projects	21
Tabulation by Township of 2013-2014 Road Improvement Projects	23
Primary Maintenance Cost Summary by Township	41
Local Maintenance Cost Summary by Township	42
Ten Year History of MTF Revenue, Township Contributions and County Board Appropriations	43
Five Year Township Contributions by Dollar and Per Capita	44
Primary Road Fund Transfers to Local Road Fund 2005-2014	45
Ten Year History of Road Resurfacing	46
History of Annual Pothole Patching Costs	47
Material Cost Trends	48
Paving Cost Trends	49
History of Annual Insurance Costs	51
Summary of Permit Department Operations	52
Capital Outlay Detail	53
Status of Road Mileage at January 1, 2015	54



# 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 103 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 2013-2014 equaled 51% of the total expenditures for road maintenance and construction.

On Primary roads in 2014 the Road Commission completed a project to reconstruct and resurface Canal Road from Lansing Road to south of Windsor Highway, including new center left turn lanes at intersections. A combination of federal CMAQ and USTP grant funds were used to fund 80% of the \$1,518,570 construction cost of the project.

The Road Commission completed the first phase of a project to repair the road base and repave Marshall Road from the I-69 interchange at Cochran Road interchange south to the City of Olivet. The portion from Nye Highway north was completed at a cost of \$2,231,207 by using \$442,700 state TEDFD grant funds together with \$1,482,083 federal USTP grant funds and \$306,424 Road Commission funds.

The Primary road resurfacing program in 2014 consisted entirely of sealcoating, with 70 miles treated. No asphalt paving or resurfacing was accomplished except as noted on the grant funded projects above.

No Primary Road bridges were replaced in 2014. Through cooperation with the Eaton County Drain Commissioner the road commission was able to replace the structure

carrying St. Joe Highway over the John Earl drain in Oneida Township at a total cost of \$50,609.

On Local roads in 2014, in cooperation with township governments, the Road Commission resurfaced 1.5 miles of paved roads using hot mix asphalt and 4.7 miles using sealcoat. An additional 8 miles of unimproved local roads were resurfaced with gravel with the costs on each mile shared equally between the Township and the Road Commission.

In Oneida Township, the Road Commission participated in a project that reconstructed the intersection of Oneida Road and M-43, installed turn lanes and drainage improvements along Oneida road, and resurfaced Oneida Road from M-43 north to the CSX railroad crossing. The \$879,000 project was paid for entirely by state grant funds and contributions from L & W Engineering Inc.

No Local Road bridges were replaced in 2014; however, the structure carrying Fairview Highway over the Butternut creek in Eaton Township was replaced with a large box culvert utilizing a combination of \$63,000 of U.S. Fish and Wildlife Service grant funds through the Eaton Conservation District together with \$70,270 local funds. The Road Commission and Eaton Township each provided 50% of the local funding for the project. In Benton Township, the culvert carrying Gresham Highway over the Abel drain west of Fox Park was replaced in conjunction with a Drain Commission maintenance project. The Township and the Road Commission shared the cost of the replacement.

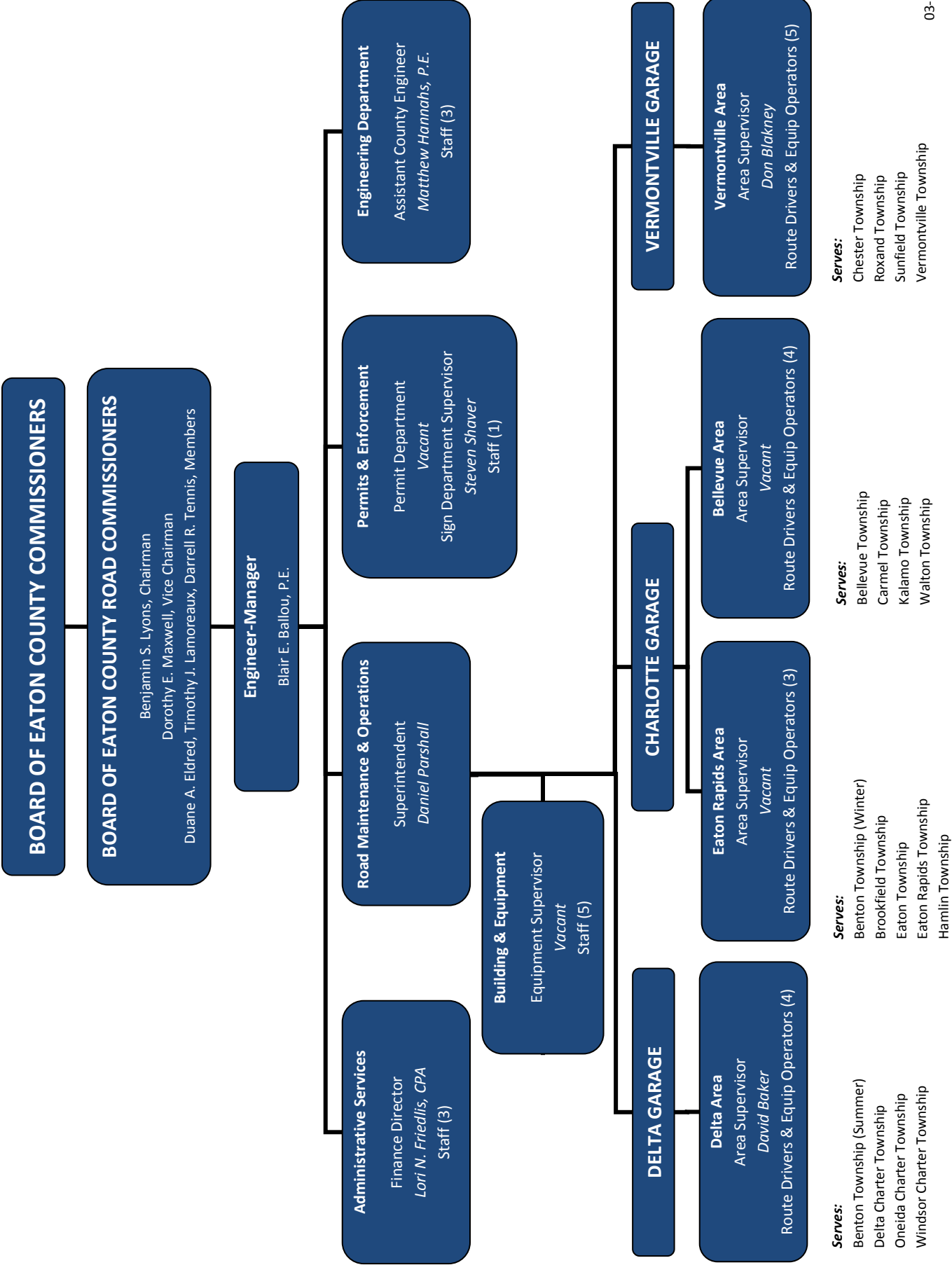
In addition to road improvement projects the Road Commission also successfully completed a project to pave a portion of the Paul Henry Trail between the Maple Valley school complex on Mason Road and Linden Street in the Village of Vermontville. A grant

from the state Safe Routes to Schools Program paid for 100% of the \$224,674 contracted construction costs of the project. The Maple Valley School District and Vermontville Township shared in providing the \$60,076 local funds required to complete 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.



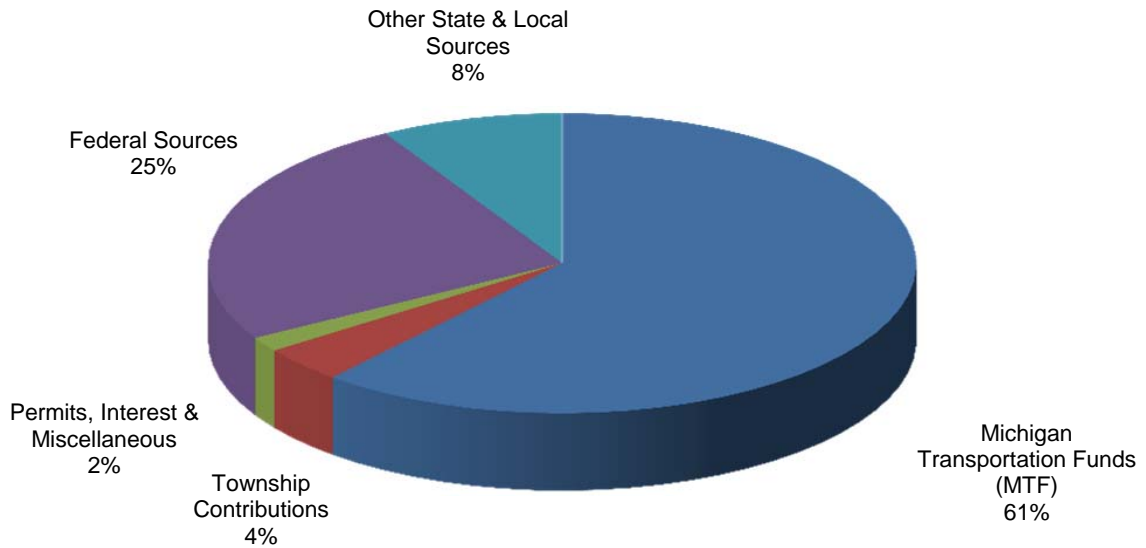


# FINANCIAL SUMMARY

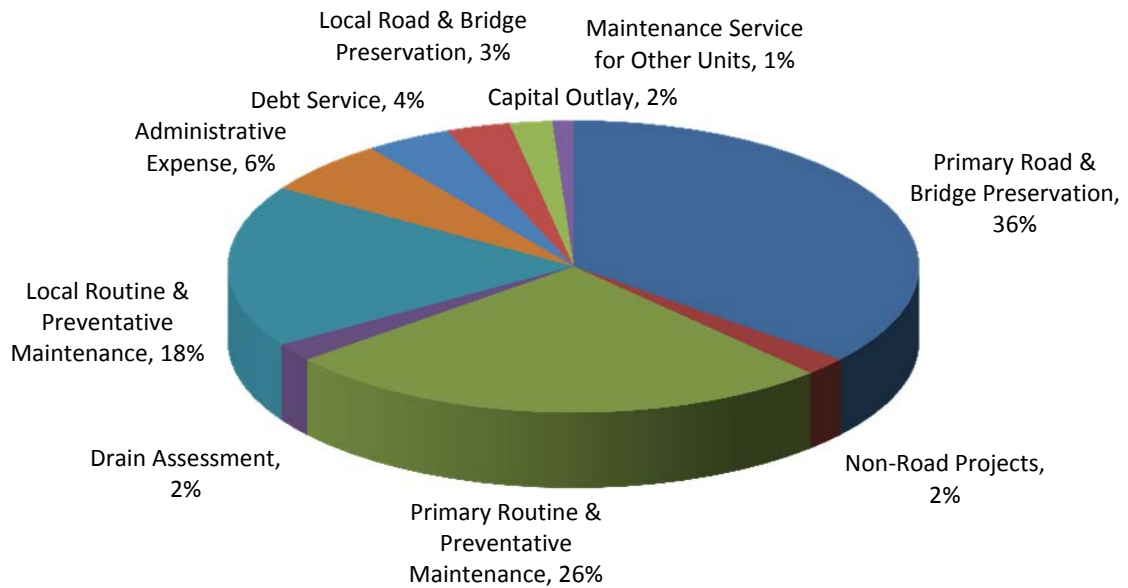
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
<b>REVENUES</b>					
Permit Revenue	\$ 62,100	\$ 60,420	\$ 77,540	\$ 80,116	\$ 75,000
County-Wide Millage	-	-	-	-	3,755,470
Intergovernmental:					
Federal Sources	1,800,509	2,660,381	1,614,966	3,212,498	3,420,651
Michigan Transportation Funds	7,475,999	7,545,228	7,695,041	7,871,876	7,990,000
Other State Sources	77,382	259,732	328,866	900,246	1,467,005
Township Contributions	42,128	902,228	773,359	500,127	444,172
Other Local Sources	378,851	20,441	18,997	172,475	6,265
Charges for Services	-	-	-	-	-
Interest and Rentals	334	379	728	9,043	6,291
Other Revenue	107,067	52,442	184,348	114,989	243,892
Proceeds from Sale of Bonds	-	-	2,595,000	-	-
<b>Total Revenues</b>	<b>\$ 9,944,370</b>	<b>\$ 11,501,251</b>	<b>\$ 13,288,845</b>	<b>\$ 12,861,370</b>	<b>\$ 17,408,746</b>
<b>EXPENDITURES</b>					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ 1,169,844	\$ 3,235,177	\$ 353,283	\$ 4,674	\$ -
Preservation/Structural Improvements	313,265	152,936	1,873,205	4,836,894	4,381,537
Routine Maintenance	1,599,460	1,428,346	1,496,039	2,138,219	2,340,000
Preventative Maintenance	1,195,113	1,641,929	1,617,157	1,376,719	1,500,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	109,397	883,973	972,042	428,351	5,813,970
Routine Maintenance	2,041,312	1,948,701	2,002,286	2,168,422	2,900,000
Preventative Maintenance	107,969	104,431	132,862	164,736	34,000
Equipment Expense (net)	64,180	(221,937)	(312,783)	(57,828)	-
Administration (net)	919,143	807,855	796,698	843,614	850,000
Maintenance Service for Other Units	193,139	226,566	197,481	129,478	250,000
Non-Road Projects	-	-	1,716	245,280	35,000
Capital Outlay (net)	(211,060)	(203,257)	(186,888)	247,952	552,600
Debt Service	644,900	628,650	3,170,166	571,400	549,866
Drain Assessment	344,378	186,554	376,007	242,823	350,000
<b>Total Expenditures</b>	<b>\$ 8,491,040</b>	<b>\$ 10,819,924</b>	<b>\$ 12,489,271</b>	<b>\$ 13,340,734</b>	<b>\$ 19,556,973</b>
Net Revenues (Expenditures)	1,453,330	681,327	799,574	(479,364)	(2,148,227)
Fund Balance at Beginning of Year	2,834,463	4,287,793	4,969,120	5,768,694	5,289,330
<b>Fund Balance at End of Year</b>	<b>\$ 4,287,793</b>	<b>\$ 4,969,120</b>	<b>\$ 5,768,694</b>	<b>\$ 5,289,330</b>	<b>\$ 3,141,103</b>



### REVENUE

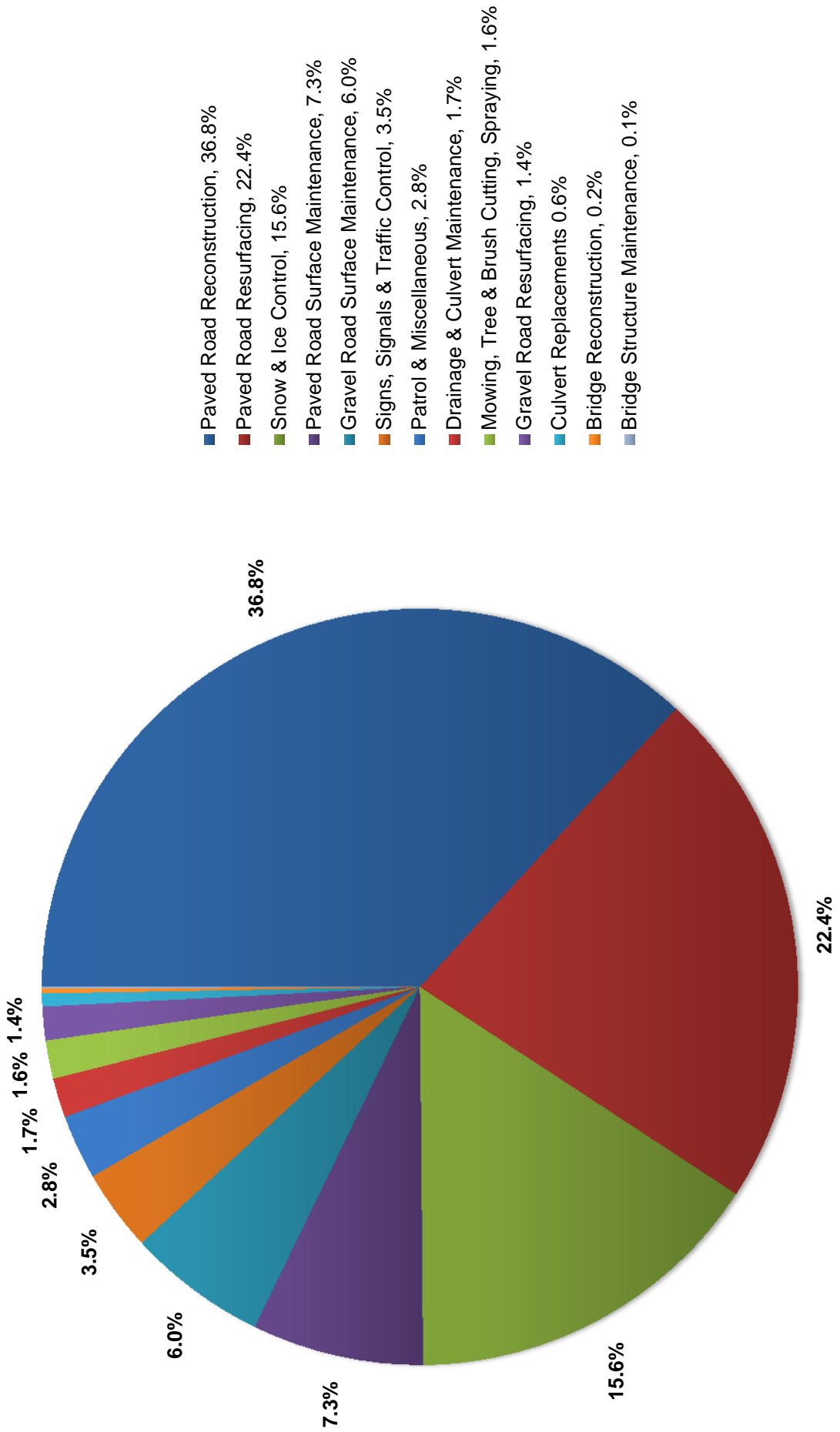


### EXPENDITURES

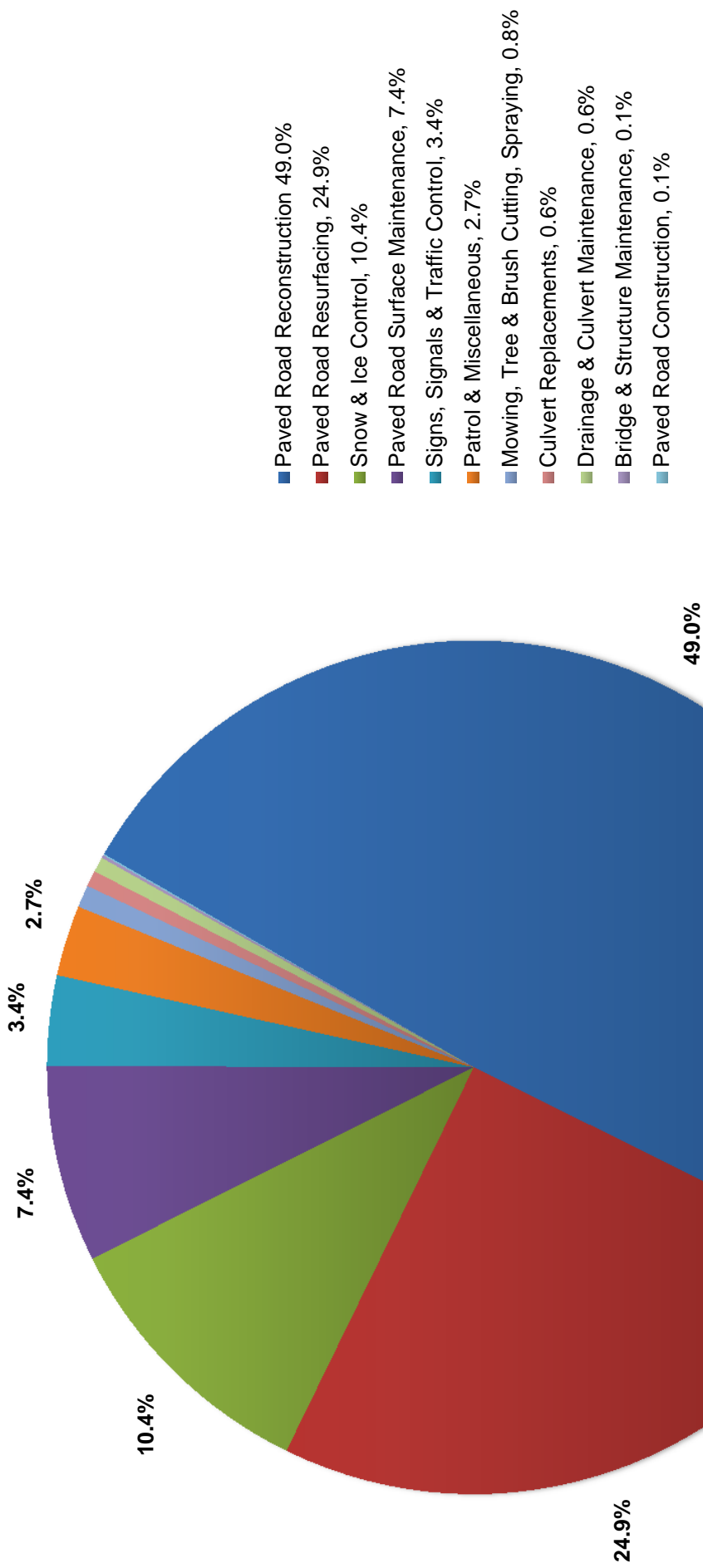




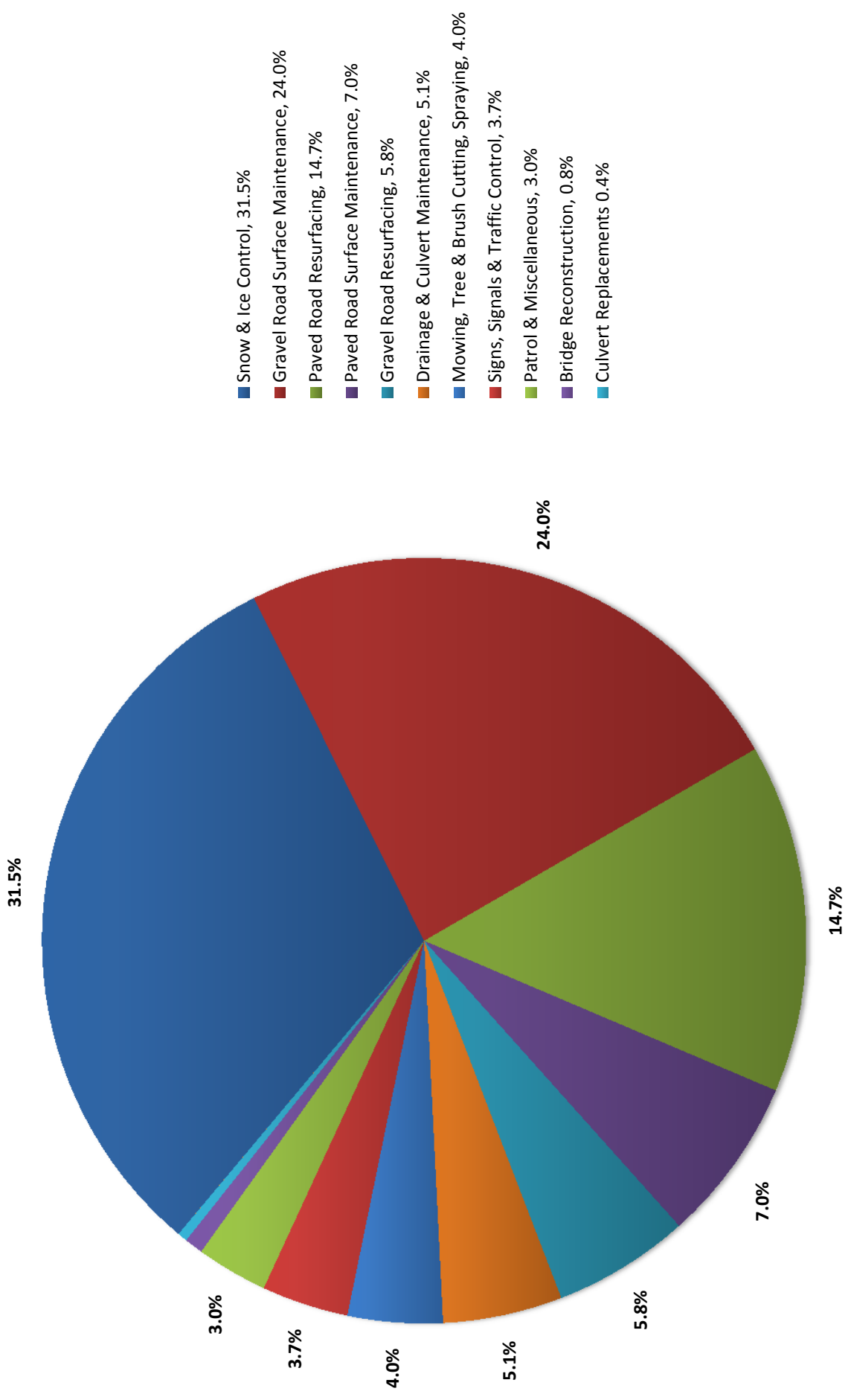
# OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



# PRIMARY ROAD AND BRIDGE EXPENDITURES



# LOCAL ROAD AND BRIDGE EXPENDITURES





# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### SUMMARY

#### Primary Roads:

Total Construction/Capacity Improvement Projects	\$ 4,674
Total Preservation/Structural Improvement Projects	\$ 4,836,894
Total Preventative Maintenance Projects	<u>\$ 1,376,719</u>
<b>Total Primary Road and Bridge Projects</b>	<b><u><u>\$ 6,218,287</u></u></b>

#### Local Roads:

Total Construction/Capacity Improvement Projects	\$ -
Total Preservation/Structural Improvement Projects	\$ 428,351
Total Preventative Maintenance Projects	<u>\$ 164,736</u>
<b>Total Local Road and Bridge Projects</b>	<b><u><u>\$ 593,087</u></u></b>

**Grand Total** **\$ 6,811,374**



# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### BELLEVUE TOWNSHIP

#### Primary Roads:

Battle Creek Rd, Bellevue village limit to Lacey Lake <i>2014 Sealcoat</i>	1.93 mi	\$	36,912
Greenfield Hwy, M-78 to Bellevue village limit <i>2013 Sealcoat</i>	0.80 mi	\$	288
Ionia Rd, M-78 to Baseline <i>2013 Sealcoat</i>	1.01 mi	\$	435
Lacey Lake Rd, Battle Creek to Five Point <i>2014 Sealcoat</i>	3.45 mi	\$	73,391
Sand Rd, M-78 to county line <i>2013 Sealcoat</i>	1.67 mi	\$	598

#### Local Roads:

Young Rd, Andrews to Five Point <i>2014 Regravel</i>	1.50 mi	\$	1,207
Young Rd, Cronk to Andrews <i>2013 Regravel</i>	2.03 mi	\$	30,749

**Bellevue Township Total** \$ 143,580

**Bellevue Township Contributions** \$ 12,397

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### BENTON TOWNSHIP

#### Primary Roads:

Otto Rd, Needmore to Doane <i>2013 Sealcoat</i>	0.46 mi	\$	166
Vermontville Hwy, Benton to Potterville city limit <i>2013 Sealcoat</i>	3.20 mi	\$	13,972
Windsor Hwy, M-100 to Royston <i>2013 Sealcoat</i>	1.00 mi	\$	653

#### Local Roads:

Gresham Hwy, over the Abel Drain <i>2014 Culvert Replacement</i>		\$	8,062
---	--	----	-------

**Benton Township Total** \$ 22,853

**Benton Township Contributions** \$ 4,032

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### BROOKFIELD TOWNSHIP

#### Primary Roads:

Bellevue Hwy, Brookfield to Thuma <i>2014 Sealcoat</i>	3.14 mi	\$	50,140
Cochran Rd, Baseline to Butterfield <i>2013 Sealcoat</i>	1.04 mi	\$	550
Narrow Lake Rd, Baseline to Bellevue <i>2014 Sealcoat</i>	2.10 mi	\$	37,198
Narrow Lake Rd, Bellevue to Five Point <i>2013 Sealcoat</i>	4.06 mi	\$	476

#### Local Roads:

<b>Brookfield Township Total</b>		\$	88,364
<b>Brookfield Township Contributions</b>		\$	-

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### CARMEL TOWNSHIP

#### Primary Roads:

Chester Rd, M-79 to Kinsel <i>2014 Sealcoat</i>	2.00 mi	\$	53,421
Five Point Hwy, Bradley to Stine <i>2014 Sealcoat</i>	3.05 mi	\$	56,392
Five Point Hwy, Maurer to Matthews <i>Preliminary Engineering</i>		\$	2,465
Kalamo Hwy, Bradley to Battle Creek <i>2014 Sealcoat</i>	4.09 mi	\$	75,289
Wheaton Rd, M-79 to Kinsel <i>2014 Sealcoat</i>	2.14 mi	\$	35,778

#### Local Roads:

<b>Carmel Township Total</b>		\$	223,345
<b>Carmel Township Contributions</b>		\$	16,217

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### CHESTER TOWNSHIP

#### Primary Roads:

Chester Rd, Kinsel to Vermontville <i>2014 Sealcoat</i>	2.03 mi	\$	44,818
Wheaton Rd, Kinsel to M-50 <i>2014 Sealcoat</i>	1.60 mi	\$	29,616

#### Local Roads:

Moyer Rd, M-50 to Ash <i>2013 Regravel</i>	0.98 mi	\$	14,063
---	---------	----	--------

**Chester Township Total** \$ 88,497

**Chester Township Contributions** \$ 7,488

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### DELTA TOWNSHIP



#### Primary Roads:

Creyts Rd, I-496 to Saginaw <i>2010 ARRA Asphalt Mill &amp; Overlay</i>	1.47 mi	\$	32,825
Creyts Rd at Anacapri and St. Joe <i>2015 Signal Modernization</i>		\$	15,739
Delta Center Elementary SRTS, St. Joe, Canal and Williamsburg - Non-Motorized <i>2010 Safe Routes to Schools</i>		\$	225,775
Delta River Dr, Waverly to Webster <i>2013 Asphalt Overlay</i>	2.48 mi	\$	157,943
Elmwood Rd, Saginaw to Willow <i>2013 Resurface</i>	1.00 mi	\$	11,880
Ingersoll Rd, Delta River to Eaton <i>2013 Asphalt Overlay</i>	0.36 mi	\$	30,064
Michigan Ave, Canal to Creyts <i>2012 New Road on New Location</i>	1.01 mi	\$	2,209
Mt. Hope Hwy, Nixon to the highway bridge <i>2014 Sealcoat</i>	1.68 mi	\$	30,400
Mt. Hope Hwy, Royston to Nixon <i>2013 Sealcoat</i>	0.96 mi	\$	648
Nixon Rd, Mt. Hope to St. Joe <i>2014 Sealcoat</i>	1.01 mi	\$	19,355
Nixon Rd, M-43 to Willow <i>2014 Sealcoat</i>	1.00 mi	\$	23,804

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### DELTA TOWNSHIP CONTINUED

St. Joe Hwy, Broadbent to Marketplace <i>2013 Reconstruct &amp; add turn lanes, bicycle lanes, sidewalk &amp; signalize intersection</i>	0.60 mi	\$	212,035
St. Joe Hwy, Marketplace to Canal <i>2013 Asphalt Overlay</i>	0.40 mi	\$	15,387
St. Joe Hwy, Creyts to Waverly <i>2012 Slurry Seal</i>	2.00 mi	\$	24
Willow Hwy, township line to Canal <i>2013 Asphalt Overlay</i>	3.12 mi	\$	283,726
 Local Roads:			
Garfield, Worthmore to end (incl. turn around) <i>2013 Asphalt Overlay</i>	0.44 mi	\$	45,236
Harvest Lane, St. Joe to 330 feet north <i>2013 Asphalt Overlay</i>	0.06 mi	\$	6,711
Iris, Ivan to M-43 <i>2013 Asphalt Overlay</i>	0.23 mi	\$	27,509
Southwick Circle, Snow to the cul-de-sac <i>2013 Asphalt Overlay</i>	0.14 mi	\$	17,133
Thomas L. Parkway, Elizabeth, Knoll Circle <i>2013 Asphalt Overlay</i>	0.60 mi	\$	49,867
 <b>Delta Township Total</b>		\$	<b>1,208,270</b>
 <b>Delta Township Contributions</b>		\$	<b>154,990</b>

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### EATON TOWNSHIP



#### Primary Roads:

Cochran Rd, Five Point to I-69 <i>2014 Joint Repair &amp; Asphalt Overlay</i>	0.23 mi	\$	2,414
Otto Rd, Packard to Kinsel <i>2013 Sealcoat</i>	0.90 mi	\$	328
Packard Hwy, Lansing to Otto <i>2013 Asphalt Overlay</i>	0.55 mi	\$	82,939

#### Local Roads:

Bell Hwy, Ackley to Royston <i>2013 Regravel</i>	0.76 mi	\$	10,627
Bell Hwy, Perkey to Ackley <i>2013 Sealcoat</i>	1.26 mi	\$	5,576
Casler Rd, Island to Packard <i>2014 Sealcoat</i>	1.01 mi	\$	17,198
Fairview Hwy, over the Butternut Creek <i>2014 Culvert Replacement</i>		\$	3,363
Gidner Rd, Packard to Kinsel <i>2013 Sealcoat</i>	1.02 mi	\$	5,768
Kalamo Hwy, Cochran to Tubs <i>2014 Skin Patch and Seal</i>	1.00 mi	\$	73,461
Kalamo Hwy Bridge, over the Battle Creek River <i>2012 Bridge Replacement</i>		\$	21,557
Mills Hwy, Perkey to Jenks <i>2013 Regravel</i>	0.51 mi	\$	8,290

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### EATON TOWNSHIP CONTINUED

Perkey Rd, Jenks to Long <i>2014 Sealcoat</i>	0.76 mi	\$	11,321
Perkey Rd, Mills to Jenks <i>2013 Regravel</i>	0.25 mi	\$	3,543
Perkey Rd, Long to M-50 <i>2013 Sealcoat</i>	0.95 mi	\$	5,153
Perkey Rd, M-50 to Island <i>2013 Skin Patch &amp; Seal</i>	1.06 mi	\$	5,171
Royston Rd, Island to Kinsel <i>2013 Regravel</i>	2.01 mi	\$	34,219
Stewart Rd, Long to M-50 <i>2014 Sealcoat</i>	1.01 mi	\$	14,831
Stewart Rd, Mills to Long <i>2013 Sealcoat</i>	1.01 mi	\$	5,216
Various Subdivision Streets <i>2014 Crack Seal</i>	13.54 mi	\$	21,041
<b>Eaton Township Total</b>		\$	<b>332,016</b>
<b>Eaton Township Contributions</b>		\$	<b>178,434</b>

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### EATON RAPIDS TOWNSHIP

#### Primary Roads:

Canal Rd and Petrieville Hwy, Bentley to Eaton Rapids city limits <i>2013 Sealcoat</i>	1.75 mi	\$	474
Canal Rd, Bentley to Island <i>2014 Sealcoat</i>	1.50 mi	\$	29,933
Columbia Hwy, Smith to Waverly <i>2014 Sealcoat</i>	2.01 mi	\$	42,007
Island Hwy, Canal to Smith <i>2014 Sealcoat</i>	1.02 mi	\$	22,459
Plains Hwy, Waverly to Eaton Rapids city limit <i>2013 Sealcoat</i>	1.86 mi	\$	215
Smith Rd, Island to Columbia <i>2014 Sealcoat</i>	1.00 mi	\$	23,860
Waverly Rd, Columbia to Toles <i>2013 Sealcoat</i>	3.00 mi	\$	1,017

#### Local Roads:

Smith Rd, Bunker to M-99 <i>2013 Re gravel</i>	1.63 mi	\$	25,759
Toles Rd, Arch to Waverly <i>2013 Re gravel</i>	1.00 mi	\$	16,079

**Eaton Rapids Township Total** \$ 161,803

**Eaton Rapids Township Contributions** \$ 31,421

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### HAMLIN TOWNSHIP

#### Primary Roads:

Kinneville Rd, Eaton Rapids city limits to Waverly <i>2014 Sealcoat</i>	3.20 mi	\$	60,913
Waverly Rd, Bellevue to end of M-188 <i>2014 Sealcoat</i>	1.51 mi	\$	28,913

#### Local Roads:

Holmes Rd, M-99 to Wilson <i>2014 Thin Asphalt Overlay &amp; Sealcoat</i>	0.94 mi	\$	89,218
--	---------	----	--------

**Hamlin Township Total** \$ 179,044

**Hamlin Township Contributions** \$ 54,621

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### KALAMO TOWNSHIP

#### Primary Roads:

Five Point Hwy, Lacey Lake to Bradley <i>2014 Sealcoat</i>	1.00 mi	\$	22,842
Ionia Rd, Five Point to M-79 <i>2013 Sealcoat</i>	4.00 mi	\$	1,041
Ionia Rd, M-79 to Kinsel <i>2014 Sealcoat</i>	2.03 mi	\$	39,554
Kalamo Hwy, Swift to Bradley <i>2014 Sealcoat</i>	1.52 mi	\$	26,214

#### Local Roads:

<b>Kalamo Township Total</b>		\$	89,651
<b>Kalamo Township Contributions</b>		\$	-

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### ONEIDA TOWNSHIP



#### Primary Roads:

Mt. Hope Hwy, Oneida to Royston <i>2013 Sealcoat</i>	3.00 mi	\$	642
Needmore Hwy, Cochran to Otto <i>2013 Sealcoat</i>	2.00 mi	\$	823
Oneida Rd, M-43 to CSX Railroad Crossing <i>2014 Reconstruct Intersection &amp; Asphalt Overlay</i>	0.30 mi	\$	317
Oneida Rd, Mt. Hope to M-43 <i>2014 Sealcoat</i>	3.02 mi	\$	56,525
St. Joe Hwy, over John Earl Drain <i>2014 Culvert Replacement</i>		\$	50,595
St. Joe Hwy, Oneida to Royston <i>2013 Sealcoat</i>	3.03 mi	\$	166
Willow Hwy, city of Grand Ledge to Oneida Twp line <i>2013 Asphalt Overlay</i>	0.77 mi	\$	75,092

#### Local Roads:

<b>Oneida Township Total</b>		\$	184,160
<b>Oneida Township Contributions</b>		\$	-

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### ROXAND TOWNSHIP

#### Primary Roads:

Dow Rd, St. Joe to Grace <i>2014 Sealcoat</i>	1.52 mi	\$	28,534
Mulliken Rd, Mt. Hope to M-43 <i>2014 Sealcoat</i>	3.03 mi	\$	54,678
Needmore Hwy, M-50 to Mulliken <i>2014 Sealcoat</i>	2.53 mi	\$	55,435
Needmore Hwy, Mulliken to Moyer <i>2013 Sealcoat</i>	0.52 mi	\$	1,408
Needmore Hwy, Moyer to Cochran <i>2013 Sealcoat</i>	2.50 mi	\$	1,506

#### Local Roads:

<b>Roxand Township Total</b>		\$	141,561
<b>Roxand Township Contributions</b>		\$	-

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### SUNFIELD TOWNSHIP



#### Primary Roads:

Dow Rd, Grace to M-43 <i>2014 Sealcoat</i>	0.65 mi	\$	11,922
Ionia Rd, Kelly to Mt. Hope <i>2014 Sealcoat</i>	2.04 mi	\$	35,683
Ionia Rd, Mt. Hope to M-43 <i>2013 Sealcoat</i>	3.04 mi	\$	710
Kelly Hwy, Hager to Ionia <i>2014 Sealcoat</i>	2.11 mi	\$	40,691
Mt. Hope Hwy, M-50 to county line <i>2013 Sealcoat</i>	4.54 mi	\$	20,751

#### Local Roads:

St. Joe Hwy bridge over the Sebewa Creek <i>2015 Bridge Replacement</i>		\$	2,152
--	--	----	-------

**Sunfield Township Total** \$ 111,909

**Sunfield Township Contributions** \$ -

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### VERMONTVILLE TOWNSHIP

#### Primary Roads:

Ionia Rd, Kinsel to Vermontville city limits <i>2014 Sealcoat</i>	1.76 mi	\$	33,438
Ionia Rd, Lake to Kelly <i>2014 Sealcoat</i>	0.97 mi	\$	19,258
Vermontville Hwy, Hager to Vermontville city limits <i>2014 Sealcoat</i>	2.37 mi	\$	46,779

#### Local Roads:

#### Other:

Maple Valley SRTS Pathway Project <i>2014 Safe Routes to Schools</i>		\$	245,346
---	--	----	---------

**Vermontville Township Total** \$ 344,821

**Vermontville Township Contributions** \$ 18,508

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

---

### WALTON TOWNSHIP

#### Primary Roads:

Ainger Rd, I-69 to Olivet city limit <i>2013 Sealcoat</i>	0.57 mi	\$	429
Bellevue Hwy, Marshall to Cochran <i>2013 Sealcoat</i>	4.16 mi	\$	876
Marshall Rd, Nye to I-69 <i>2014 Joint Repair and Asphalt Overlay</i>	2.81 mi	\$	1,985,730
Stine Rd, Marshall to Five Point <i>2014 Sealcoat</i>	3.05 mi	\$	51,999

#### Local Roads:

Griffin Hwy, Stine to McDonald <i>2013 Regravel</i>	1.03 mi	\$	15,157
--	---------	----	--------

**Walton Township Total** \$ 2,054,191

**Walton Township Contributions** \$ 22,018

# 2013-2014

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

### WINDSOR TOWNSHIP



#### Primary Roads:

Billwood Hwy, Canal to Creyts <i>2013 Sealcoat</i>	1.07 mi	\$	379
Canal/Windsor Intersection <i>2014 Widen, Add Turn Lanes</i>		\$	505,660
Canal Rd, Bridge to Lansing <i>2014 Crush &amp; Shape, Asphalt Overlay</i>	2.00 mi	\$	1,148,772
Creyts Rd Bridge, between Billwood and Hart <i>2012 Preventative Maintenance Project</i>		\$	9,267
Guinea Rd, Lansing to Billwood <i>2014 Sealcoat</i>	0.68 mi	\$	19,002
Holt Hwy, Dimondale city limit to Waverly <i>2013 Sealcoat</i>	2.03 mi	\$	408
Nixon Rd, Vermontville to Windsor <i>2013 Sealcoat</i>	1.62 mi	\$	610
Windsor Hwy, Royston to Nixon <i>2013 Sealcoat</i>	1.00 mi	\$	710

#### Local Roads:

<b>Windsor Township Total</b>		\$	1,684,808
<b>Windsor Township Contributions</b>		\$	-

# 2013-2014 PRIMARY ROUTINE MAINTENANCE

---

## SUMMARY BY TOWNSHIP

<b>TOWNSHIP</b>	<b>ROAD COMMISSION COST</b>	<b>MILES</b>	<b>AVERAGE COST PER MILE</b>
Bellevue	\$ 82,406	18.40	\$ 4,479
Benton	135,684	28.13	4,823
Brookfield	55,489	18.41	3,014
Carmel	92,920	23.36	3,978
Chester	60,643	13.70	4,426
Delta	718,786	55.85	12,870
Eaton	156,411	25.99	6,018
Eaton Rapids	89,725	24.09	3,725
Hamlin	84,495	26.47	3,192
Kalamo	64,498	18.30	3,524
Oneida	65,622	23.51	2,791
Roxand	73,540	20.72	3,549
Sunfield	71,466	22.80	3,134
Vermontville	71,053	17.51	4,058
Walton	88,372	23.00	3,842
Windsor	227,109	31.54	7,201
<b>Total Primary Maintenance</b>	<b>\$ 2,138,219</b>	<b>391.78</b>	<b>\$ 5,458</b>

# 2013-2014 LOCAL ROUTINE MAINTENANCE

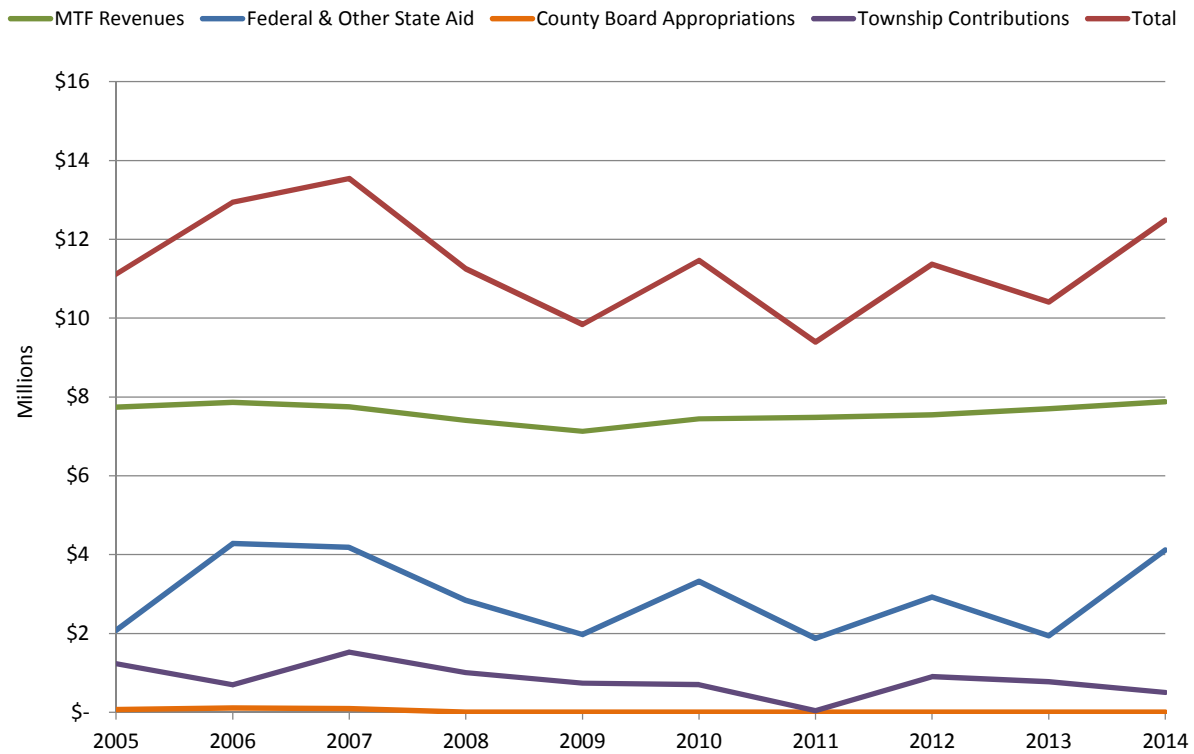
---

## SUMMARY BY TOWNSHIP

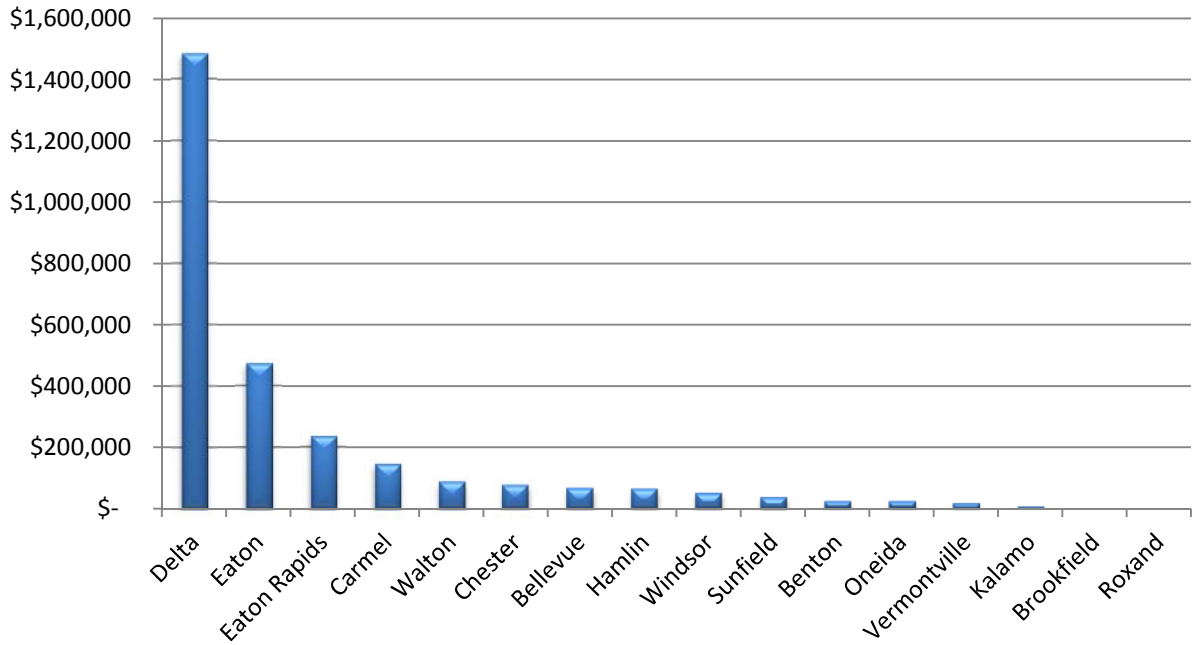
<b>TOWNSHIP</b>	<b>ROAD COMMISSION COST</b>	<b>MILES</b>	<b>AVERAGE COST PER MILE</b>
Bellevue	\$ 126,111	48.67	\$ 2,591
Benton	112,939	33.62	3,359
Brookfield	144,249	54.02	2,670
Carmel	124,880	42.25	2,956
Chester	130,335	48.62	2,681
Delta	308,870	111.23	2,777
Eaton	127,841	42.17	3,032
Eaton Rapids	135,117	43.29	3,121
Hamlin	121,901	44.82	2,720
Kalamo	119,284	47.62	2,505
Oneida	105,888	40.40	2,621
Roxand	109,427	44.59	2,454
Sunfield	95,864	37.41	2,563
Vermontville	126,394	42.13	3,000
Walton	115,986	47.71	2,431
Windsor	163,336	53.05	3,079
<b>Total Local Maintenance</b>	<b>\$ 2,168,422</b>	<b>781.60</b>	<b>\$ 2,774</b>

# TEN YEAR HISTORY MTF REVENUE, TOWNSHIP CONTRIBUTIONS AND COUNTY BOARD APPROPRIATIONS

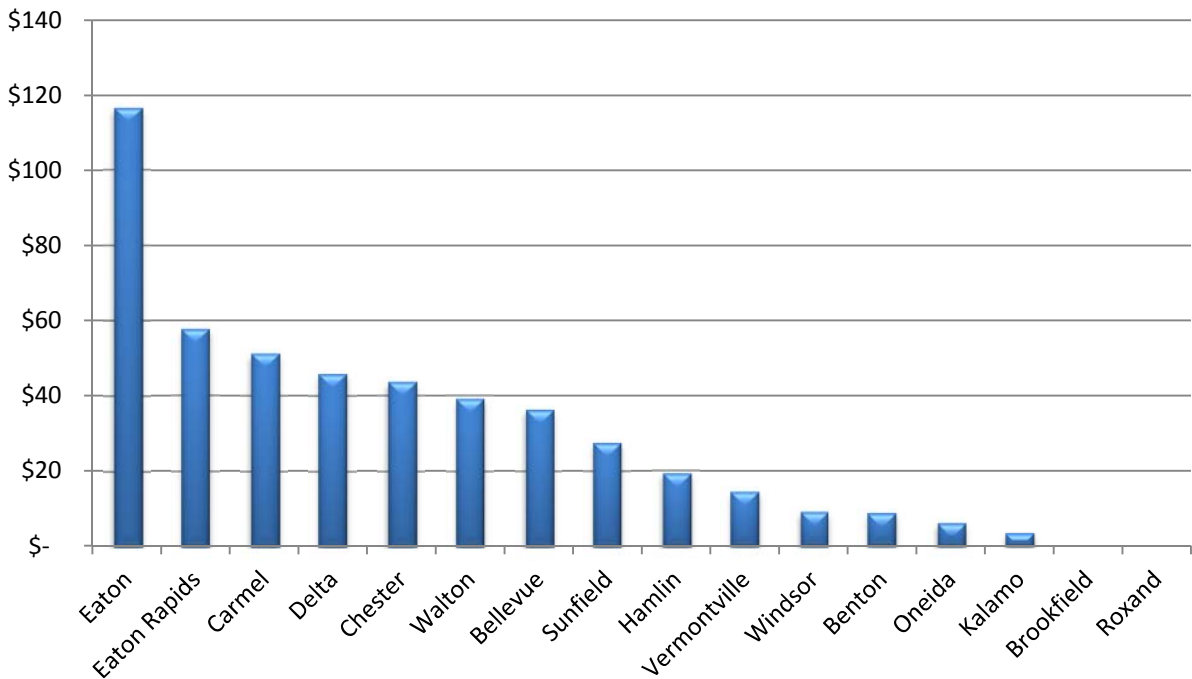
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2005	7,740,851	2,077,221	64,792	1,234,861	11,117,725	16.0%
2006	7,858,406	4,276,380	107,344	696,861	12,938,991	8.9%
2007	7,742,677	4,183,260	85,957	1,528,846	13,540,740	19.7%
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%



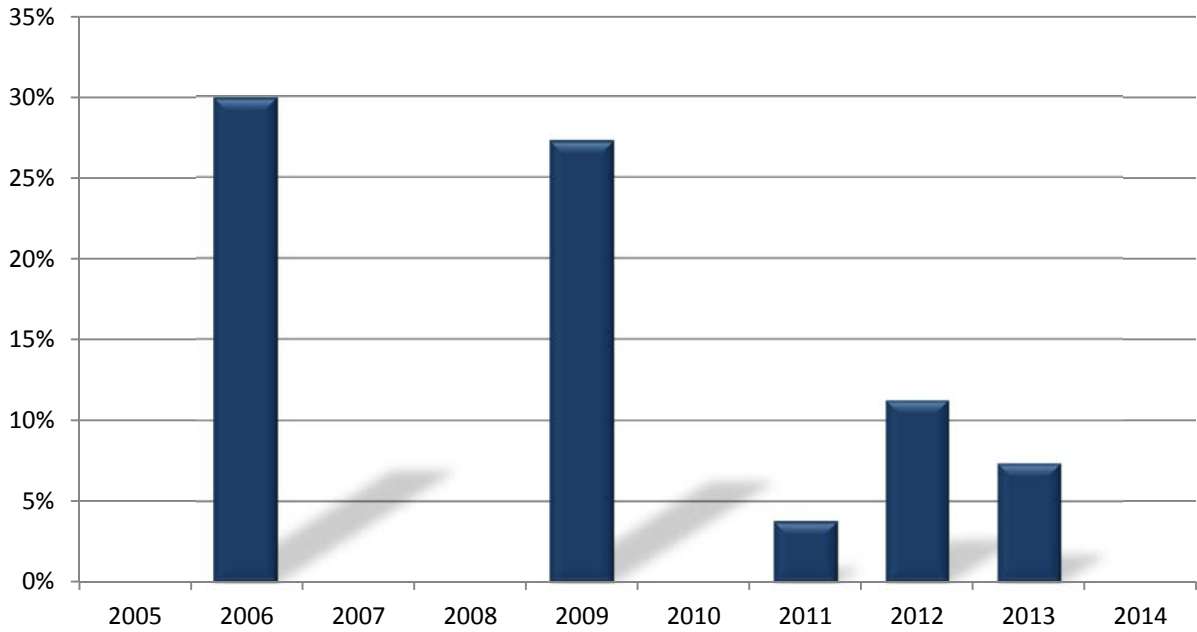
### Five Year Township Contributions by Dollar Primary and Local Roads



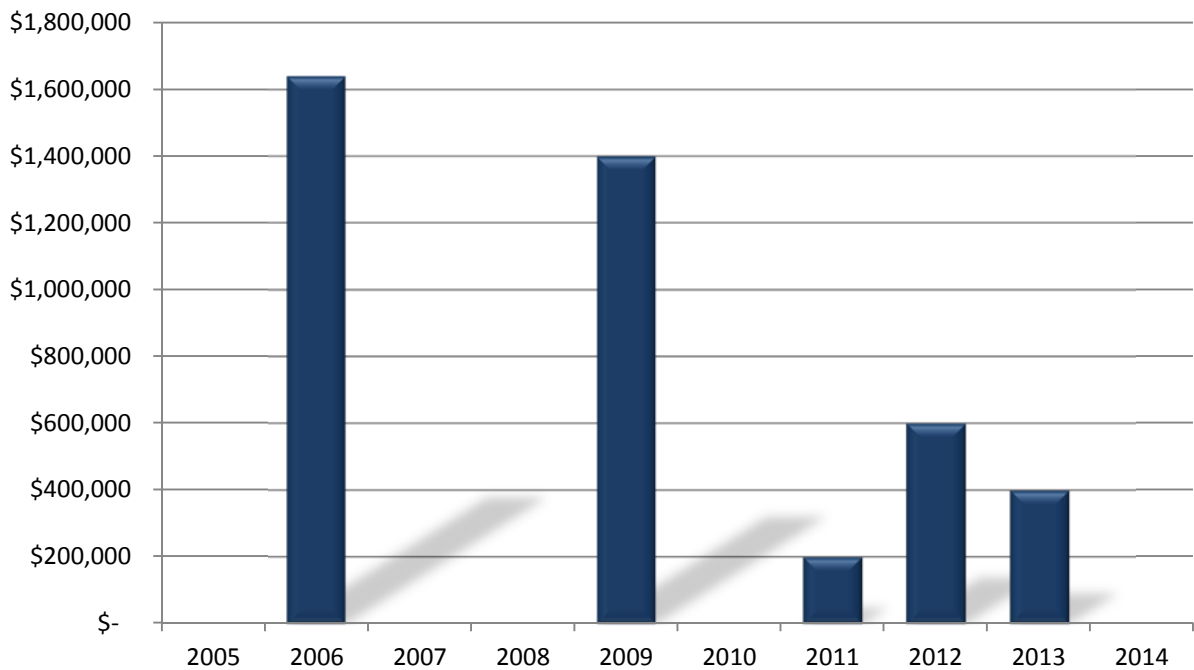
### Five Year Township Contributions Per Capita Primary and Local Roads



**TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL ROAD FUND  
AS A PERCENT OF TOTAL PRIMARY MTF DISTRIBUTIONS  
2005-2014**



**DOLLAR TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL  
ROAD FUND  
2005-2014**



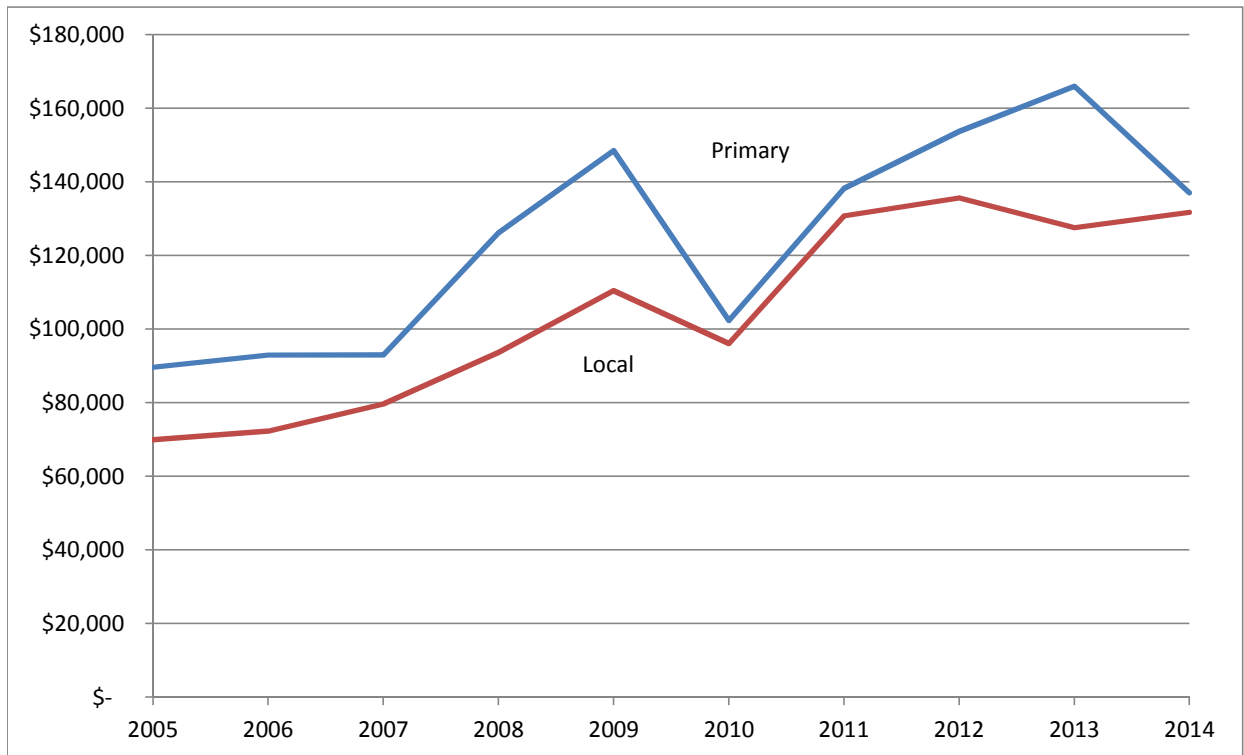
# TEN YEAR HISTORY ROAD RESURFACING

<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>
2005	106	45	151	47
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

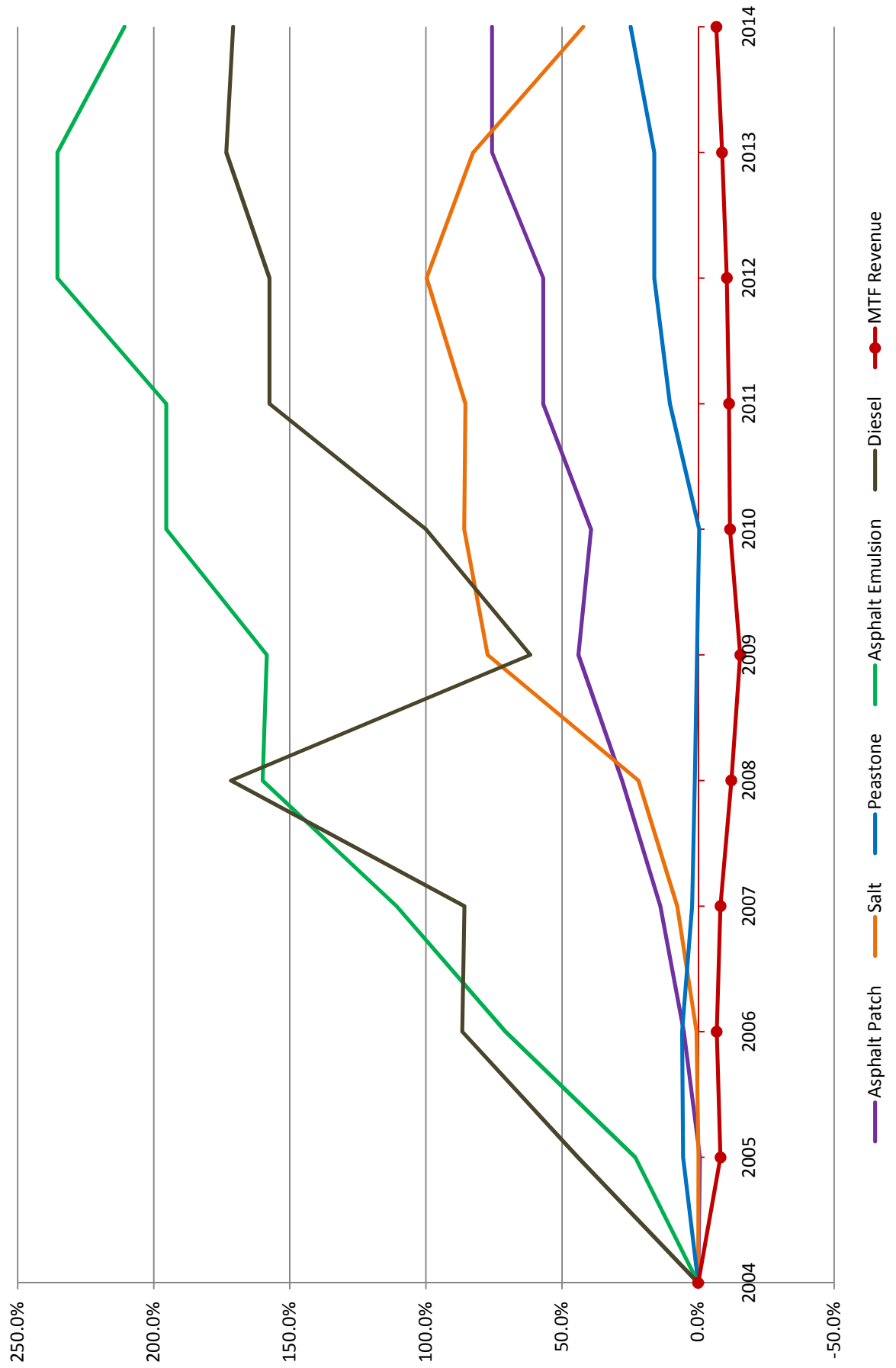


# ANNUAL POTHOLE PATCHING COSTS

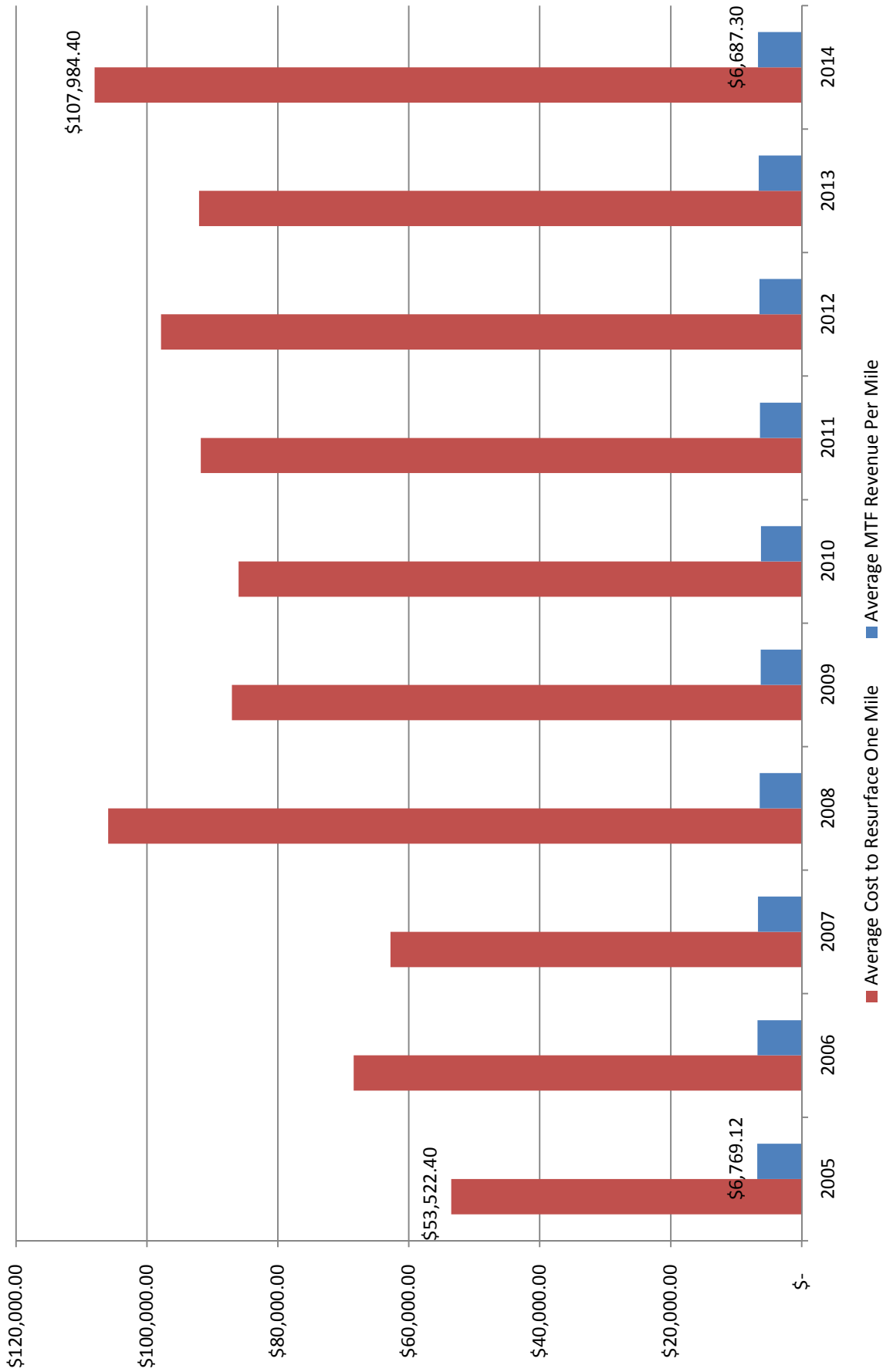
YEAR	PRIMARY TONS	LOCAL TONS	TOTAL TONS	PRIMARY COST	LOCAL COST	TOTAL COST	AVG COST/MILE OF PRIMARY	AVG COST/MILE OF LOCAL	AVG COST/TON OF COLD PATCH
2005	260	213	473	\$ 89,604	\$ 69,948	\$ 159,552	\$ 235	\$ 254	\$ 337
2006	265	147	412	92,932	72,276	165,208	243	263	401
2007	380	179	559	92,925	79,671	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



# MATERIAL COST TRENDS BASE YEAR: 2004



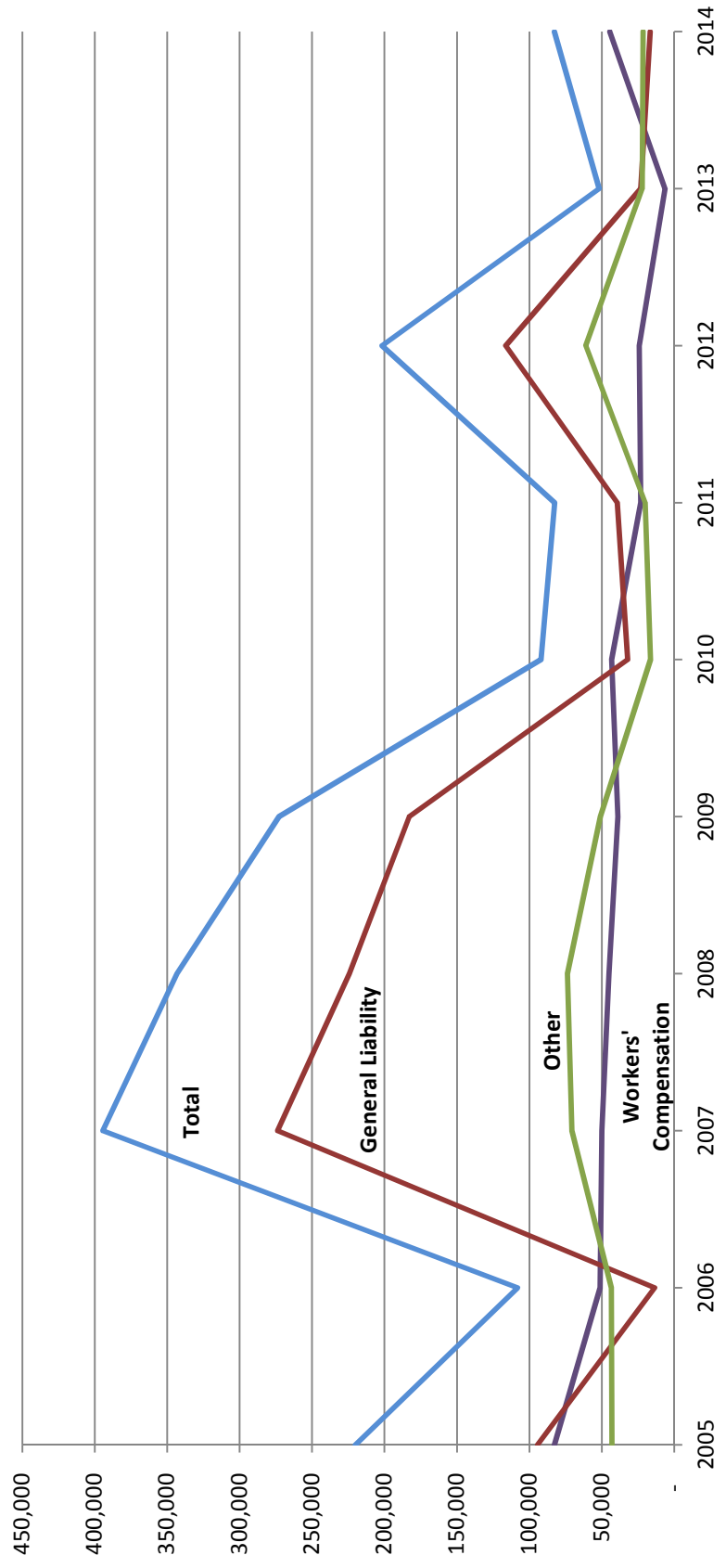
# PAVING COST TRENDS PER MILE





# ANNUAL INSURANCE COSTS

YEAR	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Workers' Compensation	82,677	51,154	50,000	45,145	38,937	43,319	23,124	24,163	6,418	44,578
General Liability	94,463	13,552	273,832	224,354	182,841	32,247	39,346	116,336	23,275	16,655
Other	43,107	43,457	70,595	73,770	51,018	16,496	20,093	61,149	22,187	21,554
<b>Total</b>	<b>220,247</b>	<b>108,163</b>	<b>394,427</b>	<b>343,269</b>	<b>272,796</b>	<b>92,062</b>	<b>82,563</b>	<b>201,648</b>	<b>51,880</b>	<b>82,787</b>



# SUMMARY OF PERMIT DEPARTMENT OPERATIONS

---

<b>Permit Type</b>	<b>Number Issued</b>	<b>Amount Collected</b>
Annual Permits/Cab Cards	310	
Single Move Permits	401	
Driveway Permits	136	
Utility Permits	146	
Building Move Permits	-	
Tap In Permits	1	
Road Bore	127	
		\$ 65,316
Highway Permits/Bituminous Road Cuts	37	\$ 14,800
MISS DIG Services	4,609	\$ 880
(calls forwarded to other agencies)	580	
Accident/Sign Damages Recovered		\$ (430)
Highway Permits/Miscellaneous (no charge)	36	
<b>Total Permit Fees Collected</b>		<b>\$ 80,566</b>

# 2013-2014 CAPITAL OUTLAY

---

## EQUIPMENT AND BUILDING PURCHASES

### **Buildings and Yard & Storage**

Tankless Water Heater	\$ 4,015
Salt Barn Door - Delta Garage	\$ 2,800
Total Building and Yard & Storage	<u>\$ 6,815</u>

### **Road Equipment**

2 Freightliner Tandem Trucks	\$ 376,100
2 Dodge Durangos	54,519
GPS Radio Equipment	72,496
2 Samsung Cell Phones	421
Rebuilt Transmissions/Engines and Repairs - various vehicles	<u>9,263</u>
Total Road Equipment	<u>\$ 512,799</u>

### **Shop Equipment**

Detroit Diesel Pro-Link IQ Tablet & Software Suite	\$ 4,629
Total Shop Equipment	<u>\$ 4,629</u>

### **Office Equipment**

Dell Engineering Server	\$ 6,974
Total Office Equipment	<u>\$ 6,974</u>

**Total 2013-2014 Capital Outlay Expense** \$ 531,217

# STATUS OF ROAD MILEAGE JANUARY 1, 2015

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	94.24	0.64	111.23	167.08	159.07	95.21%	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	16.35	25.80	10.60	0.30	53.05	84.59	58.49	69.15%	26.10
<b>TOTAL</b>	<b>391.78</b>	<b>-</b>	<b>391.78</b>	<b>161.23</b>	<b>498.88</b>	<b>120.13</b>	<b>1.36</b>	<b>781.60</b>	<b>1,173.38</b>	<b>673.14</b>	<b>57.37%</b>	<b>500.24</b>