



*Eaton County*  
Road Commission

**2017-2018**  
**Supplemental Annual Report**

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

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

Version 2-20

## SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2017 – SEPTEMBER 30, 2018

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### *Board of Eaton County Road Commissioners*



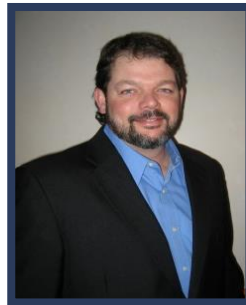
Duane A. Eldred  
CHAIR  
*Term expires: 12-31-19*



Timothy J. Lamoreaux  
VICE CHAIR  
*Term expires: 12-31-2022*



Jerry L. Frazier  
MEMBER  
*Term expires: 12-31-22*



Benjamin S. Lyons  
MEMBER  
*Term expires: 12-31-20*



Dorothy E. Maxwell  
MEMBER  
*Term expires: 12-31-19*

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

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



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# INTRODUCTION

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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 107 years, the Eaton County road system has grown to include over 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 nearly 783 mile system of County Local roads. Overall, 57%,

or 676 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 2017-2018 equaled 63% of the total expenditures for road maintenance and construction.



In 2018 the Road Commission did not receive any federal aid grant funds for new resurfacing or rehabilitation projects on Primary Roads. However, using increased revenue received this year from the Michigan Transportation Fund (MTF), the Road Commission was able to resurface 23 miles of Primary Roads using hot mix asphalt, or more

than double the number of miles completed in 2017. In addition, 45 miles of sealcoat with fog seal resurfacing were completed on Primary Roads.

While no Primary Road bridges were replaced in 2018, we were able to replace the deck and railings and perform other preservation work on the bridge carrying Ionia Road over the Thornapple River in Vermontville Township using \$375,000 in state and federal bridge program funds.

2018 marked the 4th year of the 12-year Local Road rehabilitation program funded by the county-wide road millage. The Road Commission repaired and resurfaced 32 miles of paved Local Roads and re-graded and re-graveled 8.8 miles of unimproved Local Roads using millage funds supplemented with MTF revenue. While those projects are noted in the following pages, a supplemental report regarding the millage program projects with supporting information is available separately.



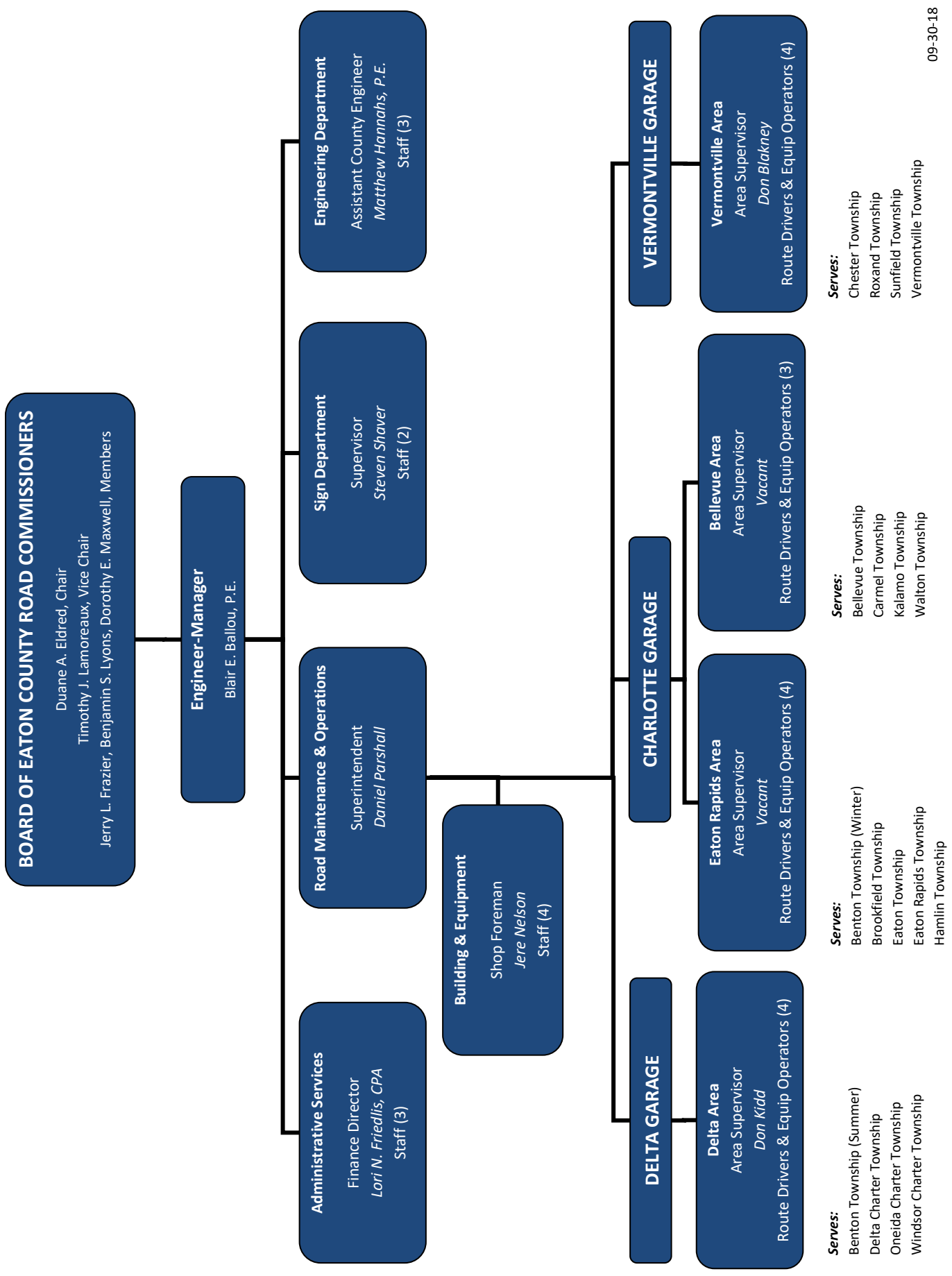
No Local Road bridges were replaced in 2018, but several cross-road culverts were replaced in conjunction with the millage-funded local road resurfacing projects or as requested through cost sharing agreements with Township boards as noted elsewhere in this report.

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 seeks and 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.





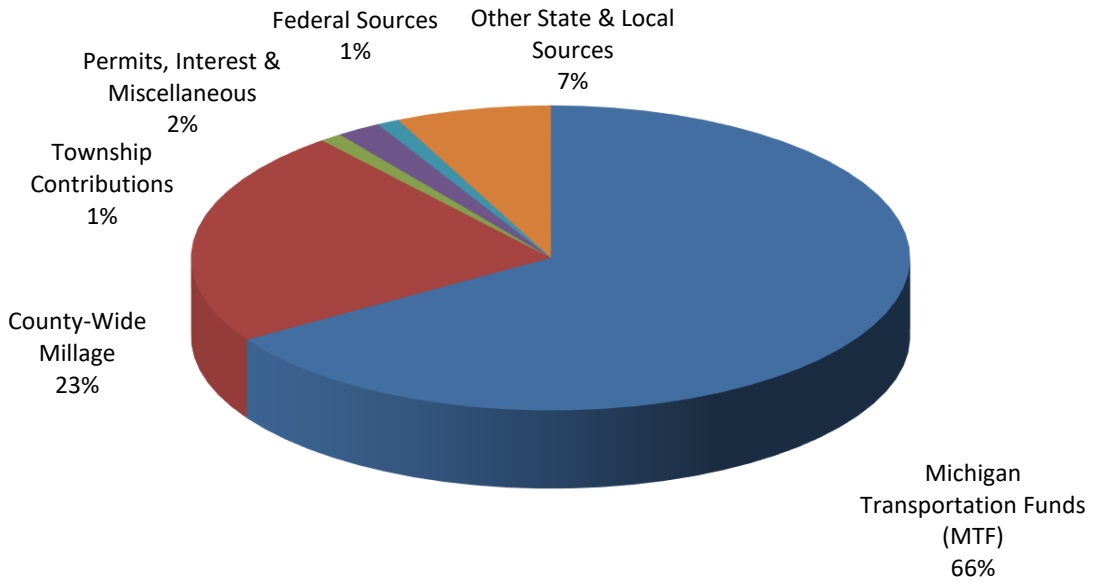


# FINANCIAL SUMMARY

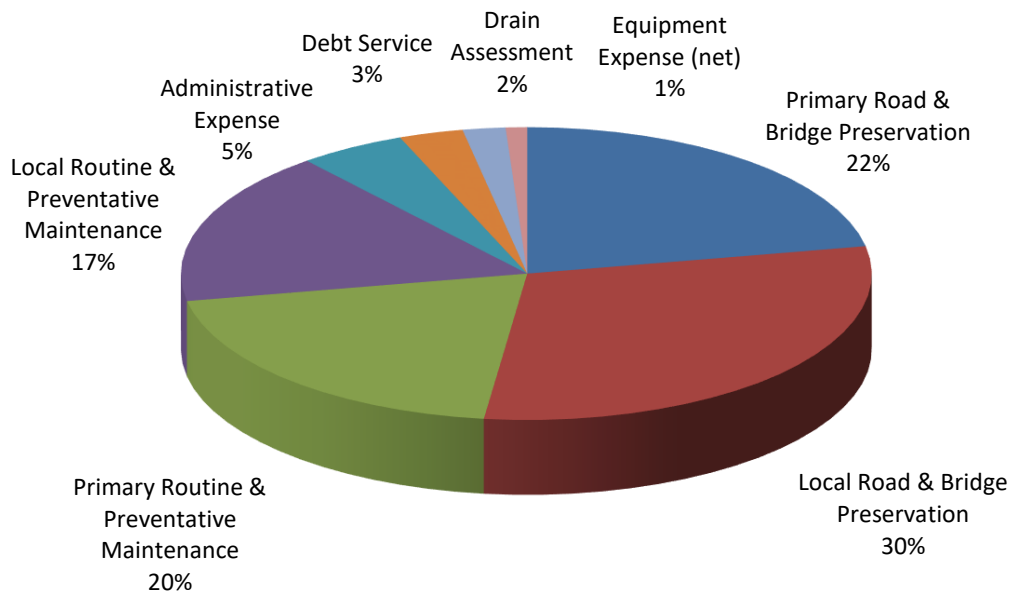
	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
<b>REVENUES</b>					
County-Wide Millage	\$ 3,790,275	\$ 3,964,993	\$ 3,964,117	\$ 4,088,338	\$ 4,304,977
Permit Revenue	76,449	75,358	87,227	91,186	75,000
Intergovernmental:					
Federal Sources	2,215,891	1,872,677	2,503,173	232,133	3,664,284
Michigan Transportation Funds	8,057,044	8,315,167	10,578,775	11,766,271	12,214,265
Other State Sources	1,605,878	1,437,457	193,777	1,235,888	1,472,808
Township Contributions	228,788	190,786	501,944	196,958	991,205
Other Local Sources	45,295	34,263	17,156	24,030	-
Charges for Services	-	10	1,841	2,437	-
Interest and Rentals	6,350	16,582	54,245	174,555	60,000
Other Revenue	249,115	102,666	81,629	70,548	100,000
<b>Total Revenues</b>	<b>\$ 16,275,085</b>	<b>\$ 16,009,959</b>	<b>\$ 17,983,884</b>	<b>\$ 17,882,344</b>	<b>\$ 22,882,539</b>
<b>EXPENDITURES</b>					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ 3,931	\$ -	\$ -	\$ -	\$ -
Preservation/Structural Improvements	4,234,000	2,243,254	4,871,913	3,647,030	12,545,500
Routine Maintenance	1,529,171	1,522,790	1,863,465	2,369,967	2,330,000
Preventative Maintenance	1,537,339	1,456,166	1,339,123	883,166	1,000,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	4,333,585	5,533,196	4,459,885	4,867,992	5,424,977
Routine Maintenance	2,622,198	2,601,549	2,758,640	2,814,074	3,100,000
Preventative Maintenance	29,086	18,235	100	-	-
Equipment Expense (net)	19,545	232,099	(19,476)	208,311	-
Administration (net)	819,702	830,648	676,992	761,273	700,000
Maintenance Service for Other Units	81,678	74,024	87,482	94,622	100,000
Non-Road Projects	36,976	-	-	307	833,410
Capital Outlay (net)	247,190	48,814	(167,845)	(98,577)	786,000
Debt Service	549,847	533,495	517,225	516,085	-
Drain Assessment	282,733	277,045	242,576	276,584	300,000
<b>Total Expenditures</b>	<b>\$ 16,326,981</b>	<b>\$ 15,371,315</b>	<b>\$ 16,630,080</b>	<b>\$ 16,340,834</b>	<b>\$ 27,119,887</b>
Net Revenues (Expenditures)	(51,896)	638,644	1,353,804	1,541,510	(4,237,348)
Fund Balance at Beginning of Year	5,289,330	5,237,434	5,876,078	7,229,882	8,771,392
<b>Fund Balance at End of Year</b>	<b>\$ 5,237,434</b>	<b>\$ 5,876,078</b>	<b>\$ 7,229,882</b>	<b>\$ 8,771,392</b>	<b>\$ 4,534,044</b>



### REVENUE

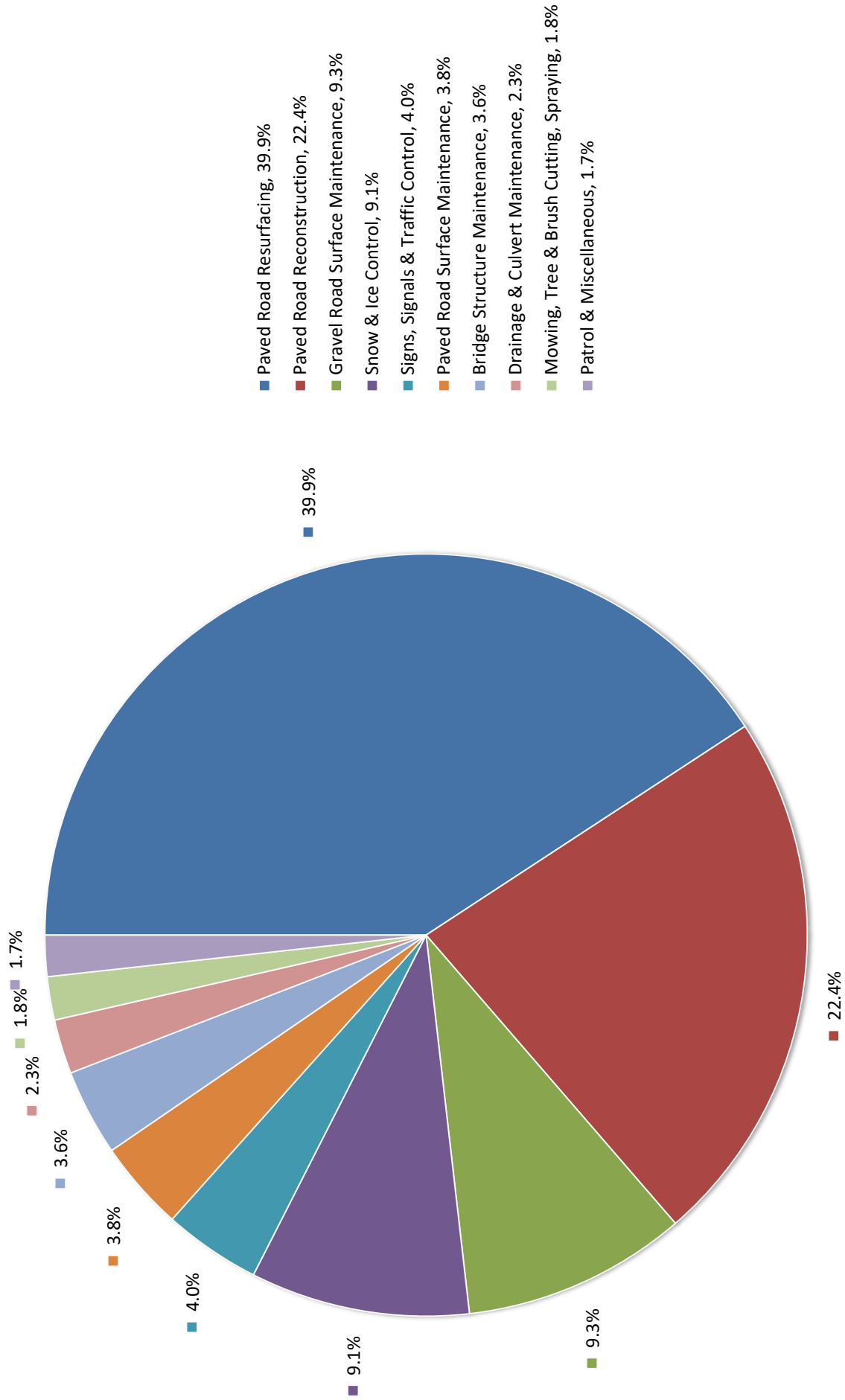


### EXPENDITURES

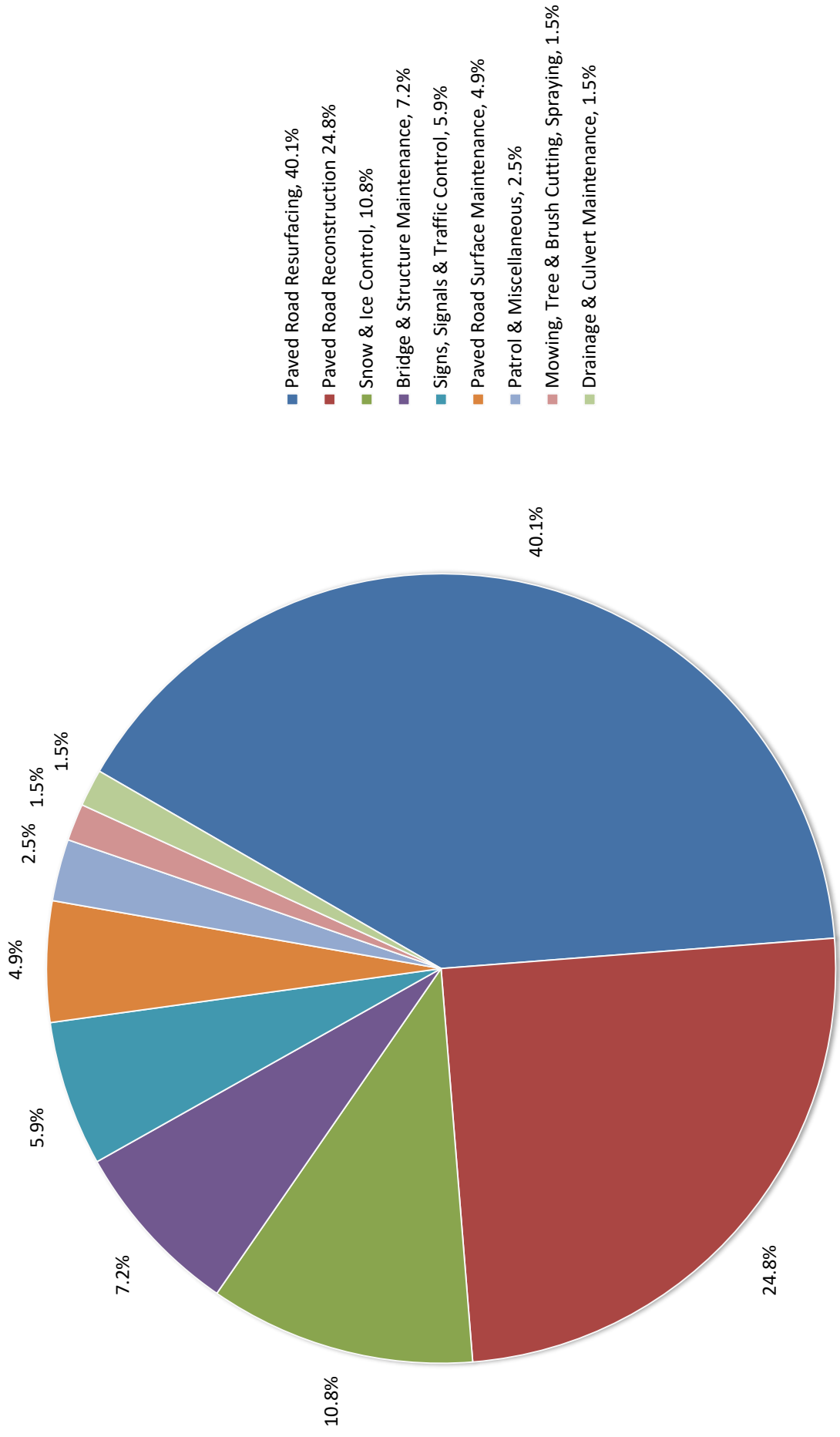




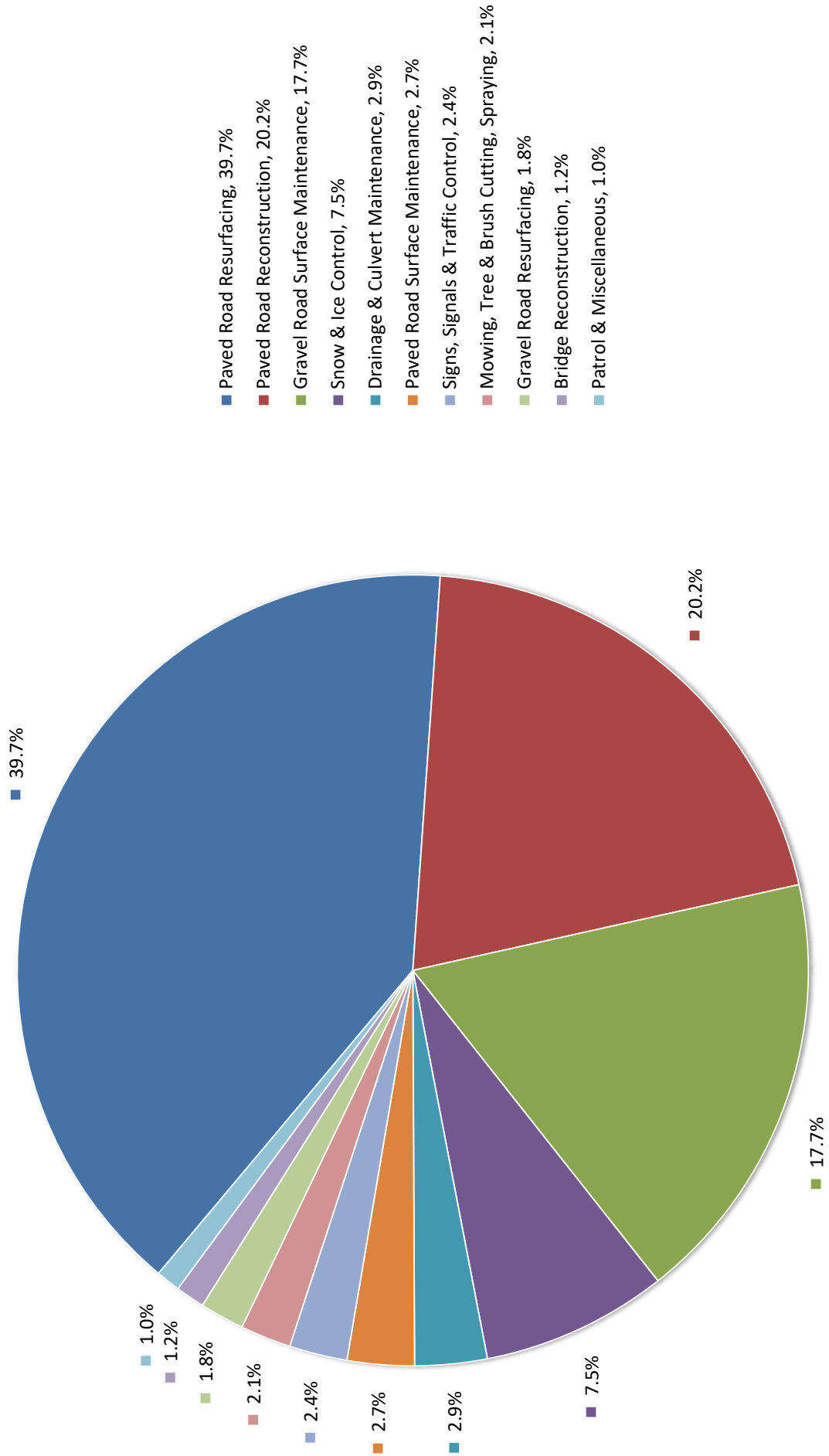
# OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



# PRIMARY ROAD AND BRIDGE EXPENDITURES



# LOCAL ROAD AND BRIDGE EXPENDITURES





# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	\$	-
Total Preservation/Structural Improvement Projects	\$	3,647,030
Total Preventative Maintenance Projects	\$	<u>883,166</u>
<b>Total Primary Road and Bridge Projects</b>	<b>\$</b>	<b><u><u>4,530,196</u></u></b>

Local Roads:

Total Construction/Capacity Improvement Projects	\$	-
Total Preservation/Structural Improvement Projects	\$	4,867,992
Total Preventative Maintenance Projects	\$	<u>-</u>
<b>Total Local Road and Bridge Projects</b>	<b>\$</b>	<b><u><u>4,867,992</u></u></b>

**Grand Total** **\$** **9,398,188**



# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### BELLEVUE TOWNSHIP

**Primary Roads:**

*Asphalt Overlay:*

Love Hwy, Pease to jurisdiction change	0.50 mi	\$	47,678
<i>Final Expenditures for Prior Year Projects</i>			2,655

**Local Roads:**

*Local Road Millage Paved Road Resurface:*

Hall Rd, Bellevue village limit to end of pavement	1.05 mi		93,994
<i>Final Expenditures for Prior Year Projects</i>			361

**Bellevue Township Total** \$ 144,688

**Bellevue Township Contributions** \$ -

### BENTON TOWNSHIP

**Primary Roads:**

*Asphalt Overlay with Stress Absorbing Membrane Interlayer:*

Hartel Rd, Kinsel to I-69	1.54 mi	\$	53,003
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*Sealcoat*

Otto Rd, Doane to Needmore	0.44 mi		478
Vermontville Hwy, Potterville city limit to Royston	0.50 mi		7,512

*Final Expenditures for Prior Year Projects* 9,817

*Initial Expenditures for Future Projects* 1,483

**Local Roads:**

*Local Road Millage Paved Road Resurface:*

Gresham Hwy, Otto to section line	0.94 mi		133,825
<i>Final Expenditures for Prior Year Projects</i>			26,343

**Benton Township Total** \$ 232,461

**Benton Township Contributions** \$ -

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### BROOKFIELD TOWNSHIP

#### **Primary Roads:**

##### *Sealcoat:*

Bellevue Hwy, Brookfield to Thuma	3.10 mi	\$	52,692
Narrow Lake Rd, Baseline to Five Point	6.13 mi		95,640

*Initial Expenditures for Future Projects* 427

#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Spicerville Hwy, Narrow Lake to Wilcox	1.50 mi		5,581
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*Final Expenditures for Prior Year Projects* 480

#### **Brookfield Township Total**

**\$ 154,820**

#### **Brookfield Township Contributions**

**\$ -**

### CARMEL TOWNSHIP

#### **Primary Roads:**

##### *Culvert Replacement:*

Five Point Hwy at Stine Rd		\$	14,156
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*Final Expenditures for Prior Year Projects* 2,474

*Initial Expenditures for Future Projects* 1,063

#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Ainger Rd, M-79 to Valley	1.01 mi		107,917
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##### *Local Road Millage Regravel:*

Broadway Hwy, Maurer to Double Bogey	0.83 mi		15,889
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Maurer Rd, Five Point to Kalamo	2.01 mi		38,489
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*Final Expenditures for Prior Year Projects* 317

#### **Carmel Township Total**

**\$ 180,305**

#### **Carmel Township Contributions**

**\$ -**

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### CHESTER TOWNSHIP

#### **Primary Roads:**

##### *Sealcoat:*

Mulliken Rd, M-50 to Needmore 2.42 mi \$ 30,013

*Final Expenditures for Prior Year Projects* 1,703

#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Chester Rd, Vermontville to Gresham 1.02 mi 102,063

*Final Expenditures for Prior Year Projects* 1,099

#### **Chester Township Total**

\$ 134,878

#### **Chester Township Contributions**

\$ -

### DELTA TOWNSHIP

#### **Primary Roads:**

##### *Asphalt Overlay:*

Elmwood Rd, Michigan to M-43 0.50 mi \$ 768

Ivan St, Mall Dr South to Elmwood 0.54 mi 249

Pierson Hwy, Snow to Sanders 0.50 mi 73,933

Sanders Rd, Pierson to Millett 0.50 mi 75,002

Snow Rd, Mt. Hope to its end 0.60 mi 110,226

##### *Sealcoat:*

Nixon Rd, Mt. Hope to St. Joe 1.01 mi 25,167

*Final Expenditures for Prior Year Projects* 238,106

*Initial Expenditures for Future Projects* 112,347

#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Addison Rd, Maycroft to Robins 0.17 mi 3,881

Apple Tree Ln, Pepper Hill to Willow 0.33 mi 72,223

Arbor Vitae Dr, Wintergreen to St. Joe 0.14 mi 19,648

Arden Rd, Maycroft to Willow 0.25 mi 1,887

Aspen Dr, Snow to its end 0.25 mi 48,731

Berner Ct, Silver Ridge to its end 0.09 mi 33,228

Bretton Rd, Elizabeth to Arden 0.21 mi 854

Bronco Way, Colt Run to Lariat 0.18 mi 31,623

Camellia St, Broadbent to Firwood 0.28 mi 46,061

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

### DELTA TOWNSHIP *continued*

Carmel Ln, Crestline to Silver Ridge	0.13 mi	33,860
Chesley Dr, St. Joe to Park Meadows	0.21 mi	43,601
Colt Run, Hoover to Corral Path	0.13 mi	30,783
Corral Path, Colt Run to Lariat	0.18 mi	62,800
Crescent Cir, Crescent to its end	0.04 mi	15,880
Crescent Dr, Kingsgate to its end	0.28 mi	56,917
Crestline Dr, Dundee to Carmel	0.17 mi	38,390
Cranberry Ct, Chesley to its end	0.08 mi	19,734
Dundee Dr, Willow to its end	0.39 mi	74,667
Firwood St, Doe Pass to Wintergreen	0.21 mi	42,237
Gull Cir, Gull to Gull	0.04 mi	8,840
Gull Rd, Aspen to Pickton	0.19 mi	39,456
Harriet Ave, Park Meadows to Saginaw	0.50 mi	96,792
Honey Suckle Ln, Park Meadows to its end	0.08 mi	21,547
Hoover St, Winifred to Colt Run	0.07 mi	12,498
Huckleberry Ln, Broadbent to Firwood	0.27 mi	45,535
Juniper St, Broadbent to Arbor Vitae	0.19 mi	37,394
Kingsgate Way, Crestline to Willow	0.36 mi	71,560
Lariat Ln, Harriet to Corral Path	0.12 mi	25,496
Maycroft Rd, Elizabeth to Arden	0.16 mi	217
Newberry Dr, Carmel to Kingsgate	0.18 mi	33,072
Opaline Dr, end to end	0.24 mi	65,377
Park Meadows Dr, Elmshaven to Harriet	0.46 mi	93,325
Pepper Hill Dr, Willow to its end	0.30 mi	58,758
Scofield Dr, Dundee to its end	0.04 mi	10,343
Seney Dr, Dundee to its end	0.04 mi	8,048
Silver Ridge Dr, 33' south of Carmel to its end	0.14 mi	37,941
Soapstone Dr, Willow Woods to Lindy	0.15 mi	29,002
Stiefel Ave, Winifred to Lariat	0.07 mi	14,606
Wagon Wheel Ln, Willow to attribute change	0.31 mi	65,325
Wild Flower Way, Chesley to its end	0.06 mi	16,671
Willow Woods Cir, Willow Woods to its end	0.11 mi	31,856
Willow Woods Ln, end to end	0.18 mi	53,298
Wintergreen St, Broadbent to Laurelwood	0.37 mi	68,204
<i>Final Expenditures for Prior Year Projects</i>		108,679
<b>Delta Township Total</b>		<b>\$ 2,366,643</b>
<b>Delta Township Contributions</b>		<b>\$ 113,668</b>

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### EATON TOWNSHIP

#### **Primary Roads:**

*Asphalt Overlay with Stress Absorbing Membrane Interlayer:*

Hartel Rd, Island to Kinsel 2.02 mi \$ 57,816

*Final Expenditures for Prior Year Projects* 253

#### **Local Roads:**

*Local Road Millage Paved Road Resurface:*

Long Hwy, Perkey to Ackley 1.26 mi 101

Perkey Rd, Jenks to M-50 1.71 mi 211

*Final Expenditures for Prior Year Projects* 940

**Eaton Township Total** \$ 59,321

**Eaton Township Contributions** \$ -

### EATON RAPIDS TOWNSHIP

#### **Primary Roads:**

*Asphalt Overlay with Stress Absorbing Membrane Interlayer:*

Plains Hwy, Waverly to Eaton Rapids city limit 1.74 mi \$ 46,545

*Sealcoat:*

Canal Rd, Eaton Rapids city limit to Petrieville 0.99 mi 30,316

Canal Rd, Petrieville to Island 1.99 mi 24,237

Petrieville Hwy, Canal S to Canal N 0.23 mi 5,501

#### **Local Roads:**

*Local Road Millage Paved Road Resurface:*

Bunker Hwy, Michigan to end of pavement 0.18 mi 19,045

Columbia Hwy, Canal to Smith 1.00 mi 123,957

*Final Expenditures for Prior Year Projects* 609

**Eaton Rapids Township Total** \$ 250,210

**Eaton Rapids Township Contributions** \$ -

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### HAMLIN TOWNSHIP

#### **Primary Roads:**

##### *Asphalt Overlay with Stress Absorbing Membrane Interlayer:*

Royston Rd, Bellevue to Five Point	3.82 mi	\$	716,689
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##### *Sealcoat:*

Kinneville Rd, Eaton Rapids city limit to Waverly	3.17 mi		53,988
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Waverly Rd, Bellevue to M-188	1.50 mi		26,292
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<i>Final Expenditures for Prior Year Projects</i>			867
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#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Whittum Rd, Spicerville to Five Point	1.02 mi		19,656
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##### *Local Road Millage Regravel:*

Cockroft Rd, Wilson to county line	1.92 mi		37,620
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Markle Hwy, Springport to Cockroft	0.66 mi		13,338
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<i>Final Expenditures for Prior Year Projects</i>			91,281
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<b>Hamlin Township Total</b>		<b>\$</b>	<b>959,731</b>
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<b>Hamlin Township Contributions</b>		<b>\$</b>	<b>15,000</b>
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### KALAMO TOWNSHIP

#### **Primary Roads:**

##### *Asphalt Overlay:*

Five Point Hwy, Curtis to Young	4.00 mi	\$	928,135
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<i>Final Expenditures for Prior Year Projects</i>			903
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#### **Local Roads:**

##### *Culvert Replacement:*

Carlisle Hwy, 180 feet east of Frey			3,240
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Carlisle Hwy at 9983 Carlisle			2,975
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Kalamo Hwy at the Bradley Extension drain crossing			5,031
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Mason Rd, 1800 feet south of Face			10,612
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Mason Rd at the Coulton Drain crossing			4,919
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Mason Rd, .46 miles south of M-79			10,750
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##### *Local Road Millage Paved Road Resurface:*

Mason Rd, Kalamo to M-79	2.00 mi		384,540
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<i>Final Expenditures for Prior Year Projects</i>			519
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<b>Kalamo Township Total</b>		<b>\$</b>	<b>1,351,624</b>
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<b>Kalamo Township Contributions</b>		<b>\$</b>	<b>-</b>
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# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### ONEIDA TOWNSHIP

#### **Primary Roads:**

##### *Asphalt Overlay with Stress Absorbing Membrane Interlayer:*

Mt. Hope Hwy, Cochran to M-100	5.00 mi	\$	830,431
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##### *Culvert Replacement:*

Cochran Rd at Needmore			35,989
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##### *Sealcoat:*

Needmore Hwy, Cochran to Otto	1.95 mi		43,321
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Oneida Rd, Mt. Hope to M-43	3.00 mi		44,317
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#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

Burt Ave, Hartel to its end	0.29 mi		37,135
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Cherry Ln, Peach Tree to Willow	0.22 mi		29,246
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Crab Apple Ln, Willow to its end	0.21 mi		37,621
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Franklin St, Jefferson to Cliff	0.13 mi		13,796
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North River Hwy, Whitney to twp line	0.53 mi		54,479
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Peach Tree Dr, Crab Apple to twp line	0.21 mi		28,435
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Rupp Rd, Peach Tree to its end	0.04 mi		4,816
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St. Joe Hwy, Cochran to Fees	1.96 mi		428,522
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<i>Final Expenditures for Prior Year Projects</i>			(17,636)
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<b>Oneida Township Total</b>		\$	<b>1,570,472</b>
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<b>Oneida Township Contributions</b>		\$	<b>-</b>
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### ROXAND TOWNSHIP

#### **Primary Roads:**

##### *Sealcoat:*

Mulliken Rd, Needmore to M-43	5.00 mi	\$	18,007
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Needmore Hwy, M-50 to Cochran	5.50 mi		166,349
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#### **Local Roads:**

##### *Local Road Millage Paved Road Resurface:*

St. Joe Hwy, Boyer to Cochran	2.01 mi		462,826
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<i>Final Expenditures for Prior Year Projects</i>			18,189
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<b>Roxand Township Total</b>		\$	<b>665,371</b>
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<b>Roxand Township Contributions</b>		\$	<b>-</b>
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# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### SUNFIELD TOWNSHIP

**Primary Roads:**

<i>Final Expenditures for Prior Year Projects</i>	\$	65,561
<i>Initial Expenditures for Future Projects</i>		1,483

**Local Roads:**

<i>Local Road Millage Paved Road Resurface:</i>		
St. Joe Hwy, M-50 to Shaytown	1.45 mi	278,774
<i>Final Expenditures for Prior Year Projects</i>		232

**Sunfield Township Total** \$ 346,050

**Sunfield Township Contributions** \$ -

### VERMONTVILLE TOWNSHIP

**Primary Roads:**

<i>Preventative Maintenance:</i>		
Ionia Rd Bridge over the Thornapple River		\$ 494,573
<i>Final Expenditures for Prior Year Projects</i>		33,889

**Local Roads:**

<i>Final Expenditures for Prior Year Projects</i>		296
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**Vermontville Township Total** \$ 528,758

**Vermontville Township Contributions** \$ -

# 2017-2018

## PRIMARY AND LOCAL ROAD IMPROVEMENTS

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### WALTON TOWNSHIP

**Primary Roads:**

<i>Final Expenditures for Prior Year Projects</i>		\$	64,372
<i>Initial Expenditures for Future Projects</i>			617

**Local Roads:**

<i>Regravel:</i>			
Matthews Rd, 1630' south of Osborn	0.19 mi		13,956
<i>Local Road Millage Paved Road Resurface:</i>			
Butterfield Hwy, Weeks to Butterfield	2.01 mi		225,936
<i>Final Expenditures for Prior Year Projects</i>			356

**Walton Township Total** \$ 305,237

**Walton Township Contributions** \$ 6,777

### WINDSOR TOWNSHIP

**Primary Roads:**

<i>Asphalt Overlay:</i>			
Windsor Hwy, Lansing to Eugene	1.95 mi	\$	220,227
<i>Sealcoat:</i>			
Canal Rd, Vermontville to Bridge	1.00 mi		20,124
Holt Hwy, Dimondale village limit to Waverly	2.06 mi		30,600
Vermontville Hwy, Royston to M-99	4.92 mi		106,597
<i>Final Expenditures for Prior Year Projects</i>			181

**Local Roads:**

<i>Local Road Millage Paved Road Resurface:</i>			
Bailey Rd, Holt to M-99	0.51 mi		57,295
Dimondale Hwy, Dimondale village limit to M-99	1.21 mi		155,266
Fawn Creek, Waverly to its end	0.24 mi		35,800
<i>Local Road Millage Regravel:</i>			
Royston Rd, Lansing to Davis	3.27 mi		207
<i>Final Expenditures for Prior Year Projects</i>			15,898

**Windsor Township Total** \$ 642,195

**Windsor Township Contributions** \$ -

# 2017-2018 PRIMARY ROAD ROUTINE MAINTENANCE

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## SUMMARY BY TOWNSHIP

<u>TOWNSHIP</u>	<u>ROAD COMMISSION COST</u>	<u>MILES</u>	<u>AVERAGE COST PER MILE</u>
Bellevue	\$ 70,011	18.40	\$ 3,805
Benton	106,634	28.13	3,791
Brookfield	56,568	18.41	3,073
Carmel	100,722	23.36	4,312
Chester	50,463	13.70	3,683
Delta	472,051	54.84	8,608
Eaton	99,935	25.99	3,845
Eaton Rapids	99,145	24.09	4,116
Hamlin	83,991	26.47	3,173
Kalamo	74,567	18.30	4,075
Oneida	99,032	23.51	4,212
Roxand	84,352	20.72	4,071
Sunfield	84,207	22.80	3,693
Vermontville	121,470	17.51	6,937
Walton	128,791	23.00	5,600
Windsor	143,455	31.54	4,548
Total Primary Maintenance	<b>\$ 1,875,394</b>	<b>390.77</b>	<b>\$ 4,799</b>

# 2017-2018 LOCAL ROAD ROUTINE MAINTENANCE

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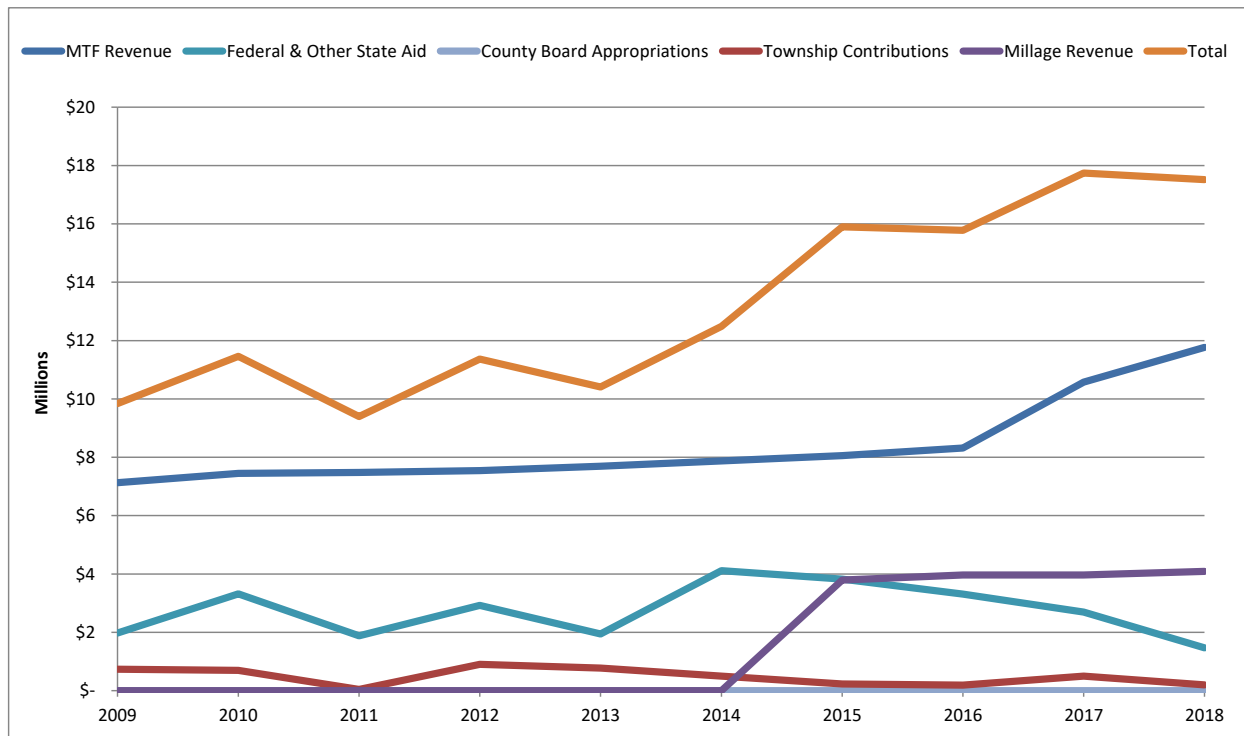
## SUMMARY BY TOWNSHIP

<u>TOWNSHIP</u>	<u>ROAD COMMISSION COST</u>	<u>MILES</u>	<u>AVERAGE COST PER MILE</u>
Bellevue	\$ 160,822	48.67	\$ 3,304
Benton	134,823	33.62	4,010
Brookfield	179,040	54.02	3,314
Carmel	161,342	42.25	3,819
Chester	168,961	48.62	3,475
Delta	303,182	110.86	2,735
Eaton	177,437	42.17	4,208
Eaton Rapids	173,067	43.29	3,998
Hamlin	138,782	44.82	3,096
Kalamo	169,720	47.62	3,564
Oneida	168,279	40.40	4,165
Roxand	153,441	44.59	3,441
Sunfield	176,151	37.41	4,709
Vermontville	186,227	42.13	4,420
Walton	164,633	47.71	3,451
Windsor	198,167	52.51	3,774
Total Local Maintenance	<b>\$ 2,814,074</b>	<b>780.69</b>	<b>\$ 3,605</b>

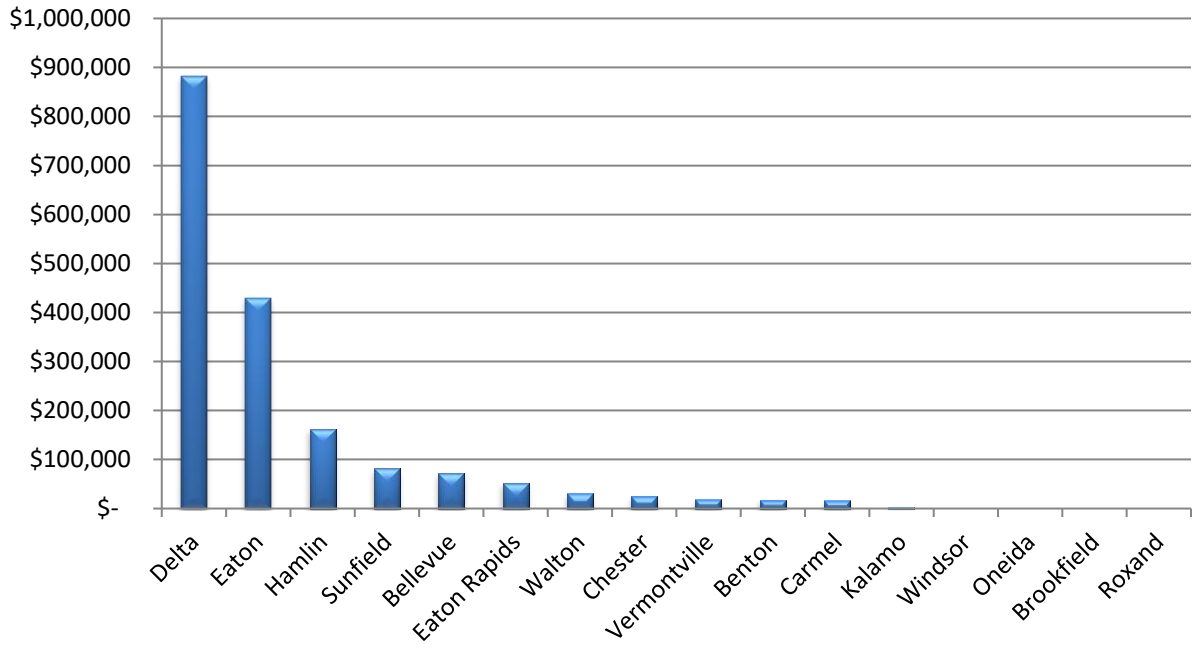
# TEN YEAR HISTORY

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

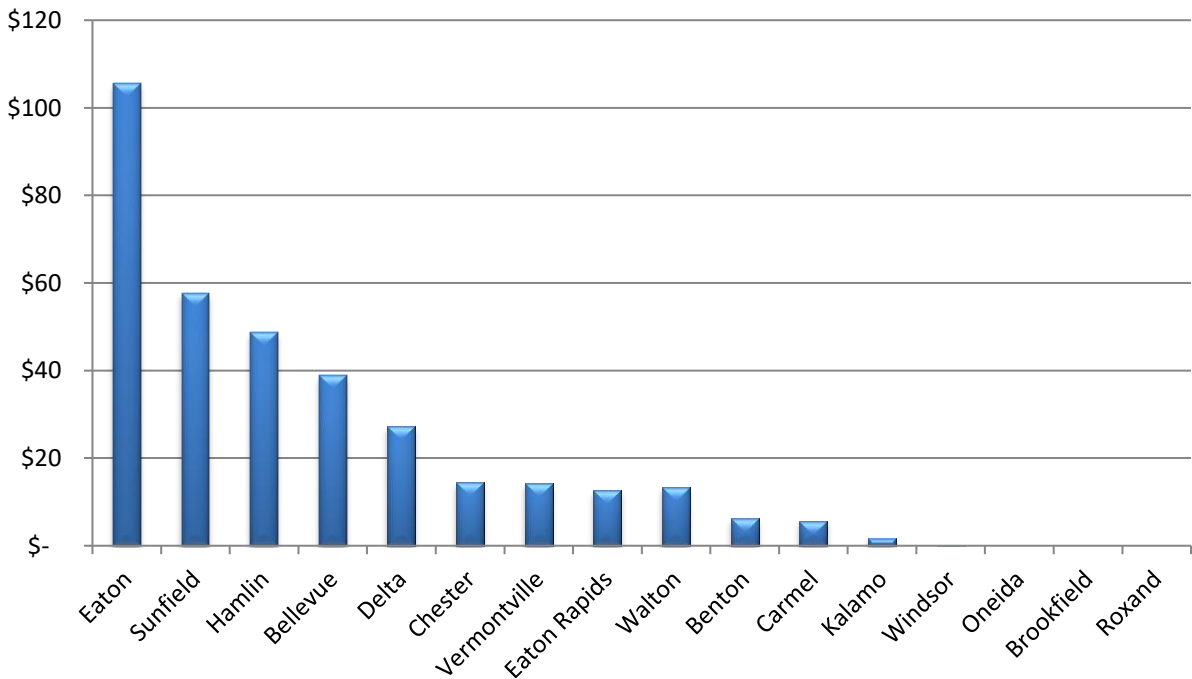
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2009	7,128,770	1,972,174	-	737,984	-	9,838,928	10.4%
2010	7,448,713	3,317,154	-	697,084	-	11,462,951	9.4%
2011	7,475,999	1,877,891	-	42,128	-	9,396,018	0.6%
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%
2016	8,315,167	3,310,134	-	190,786	3,964,993	15,781,080	2.3%
2017	10,578,775	2,696,950	-	501,944	3,964,117	17,741,786	4.7%
2018	11,766,271	1,468,021	-	196,958	4,088,338	17,519,588	1.7%



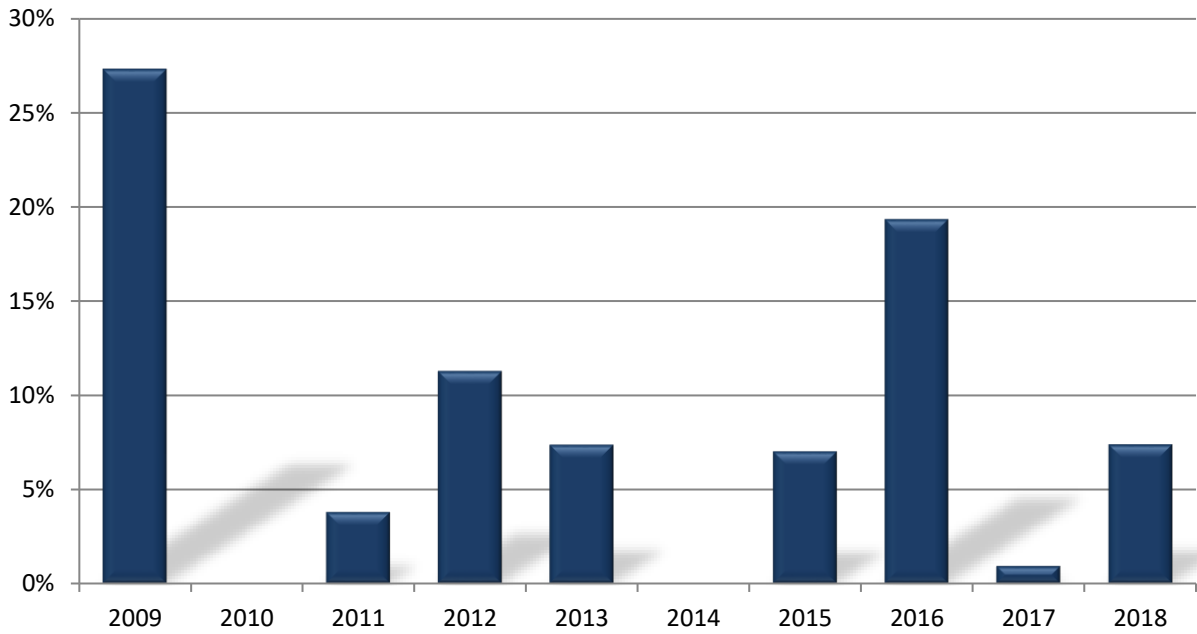
### Five Year Township Contributions by Dollar to Primary and Local Roads



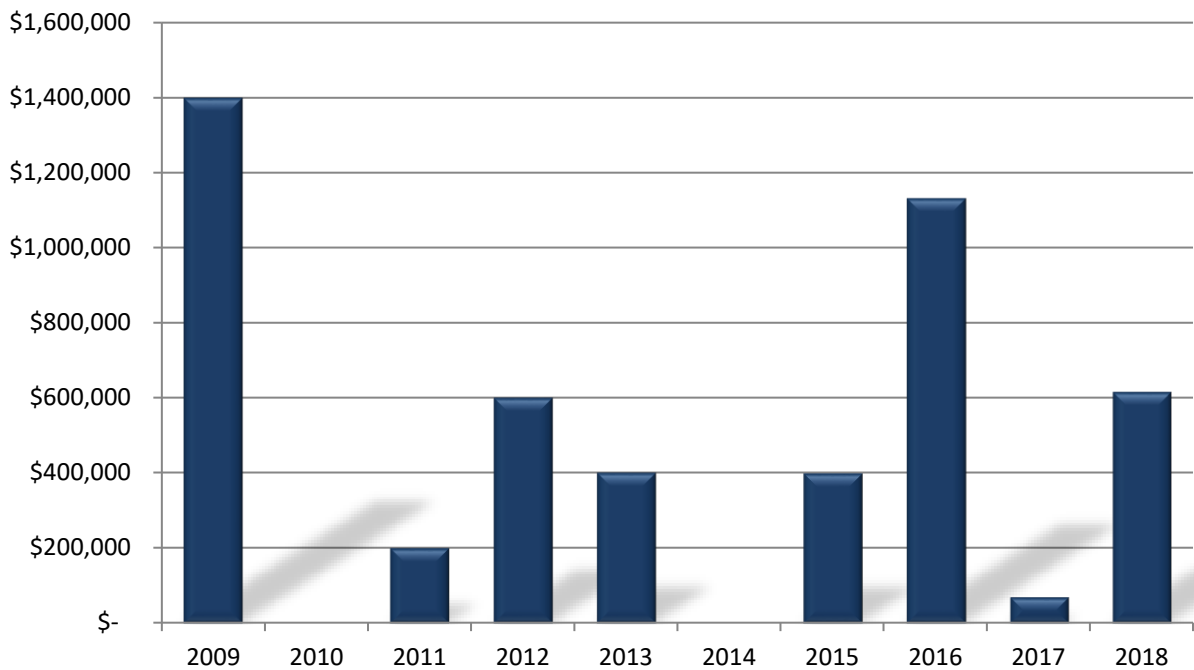
### Five Year Township Contributions Per Capita to Primary and Local Roads



**TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL ROAD FUND  
AS A PERCENT OF TOTAL PRIMARY MTF DISTRIBUTIONS  
2009-2018**

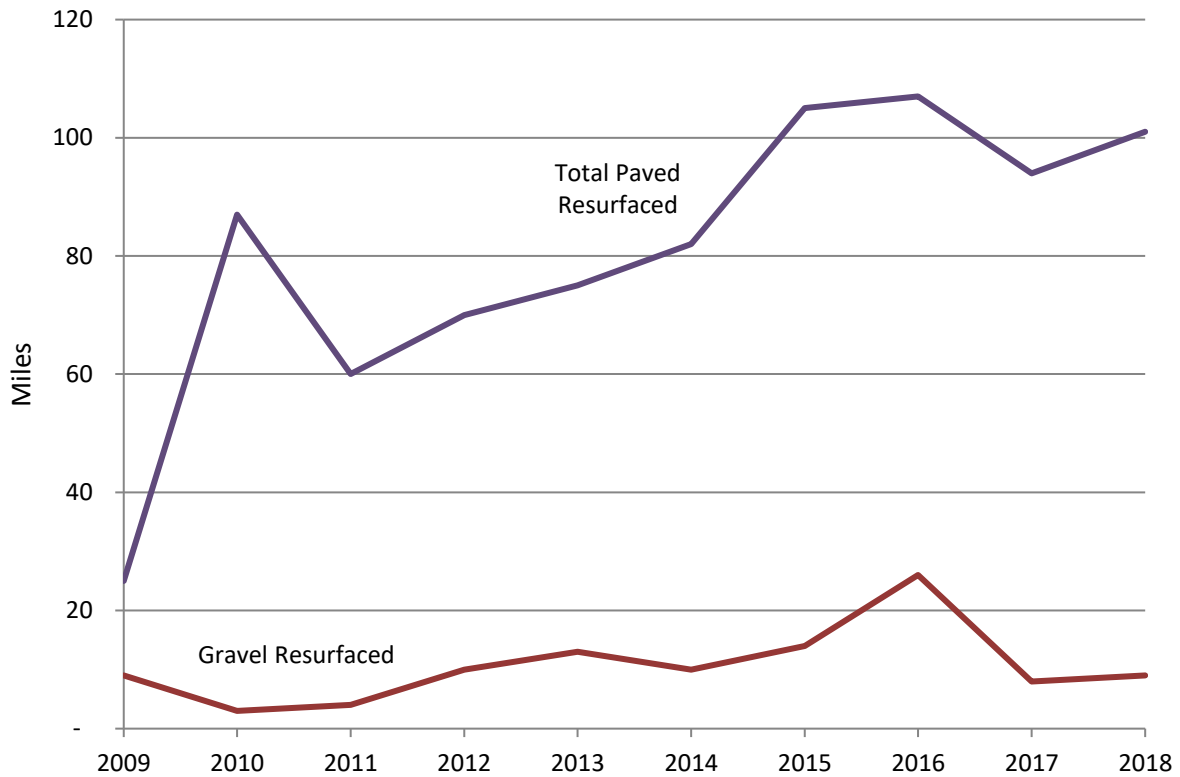


**DOLLAR TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL  
ROAD FUND  
2009-2018**



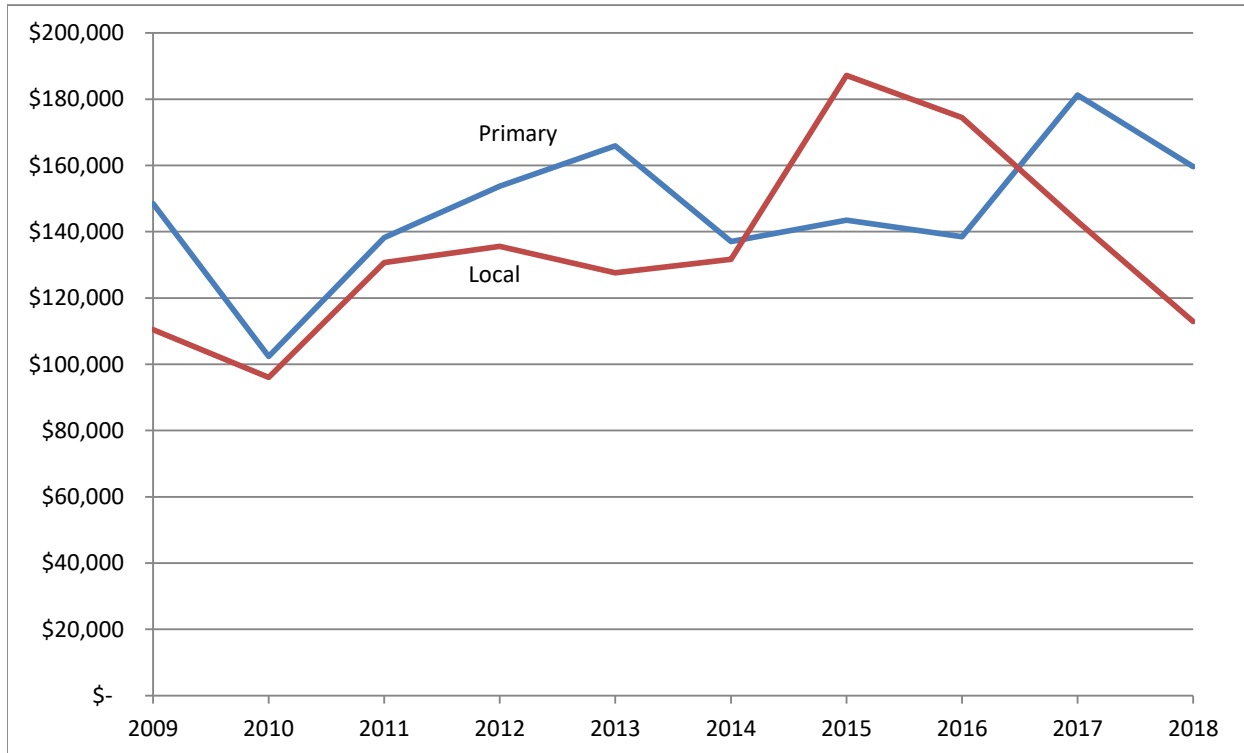
# TEN YEAR HISTORY ROAD RESURFACING

<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>
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
2016	77	30	107	26
2017	62	32	94	8
2018	69	32	101	9

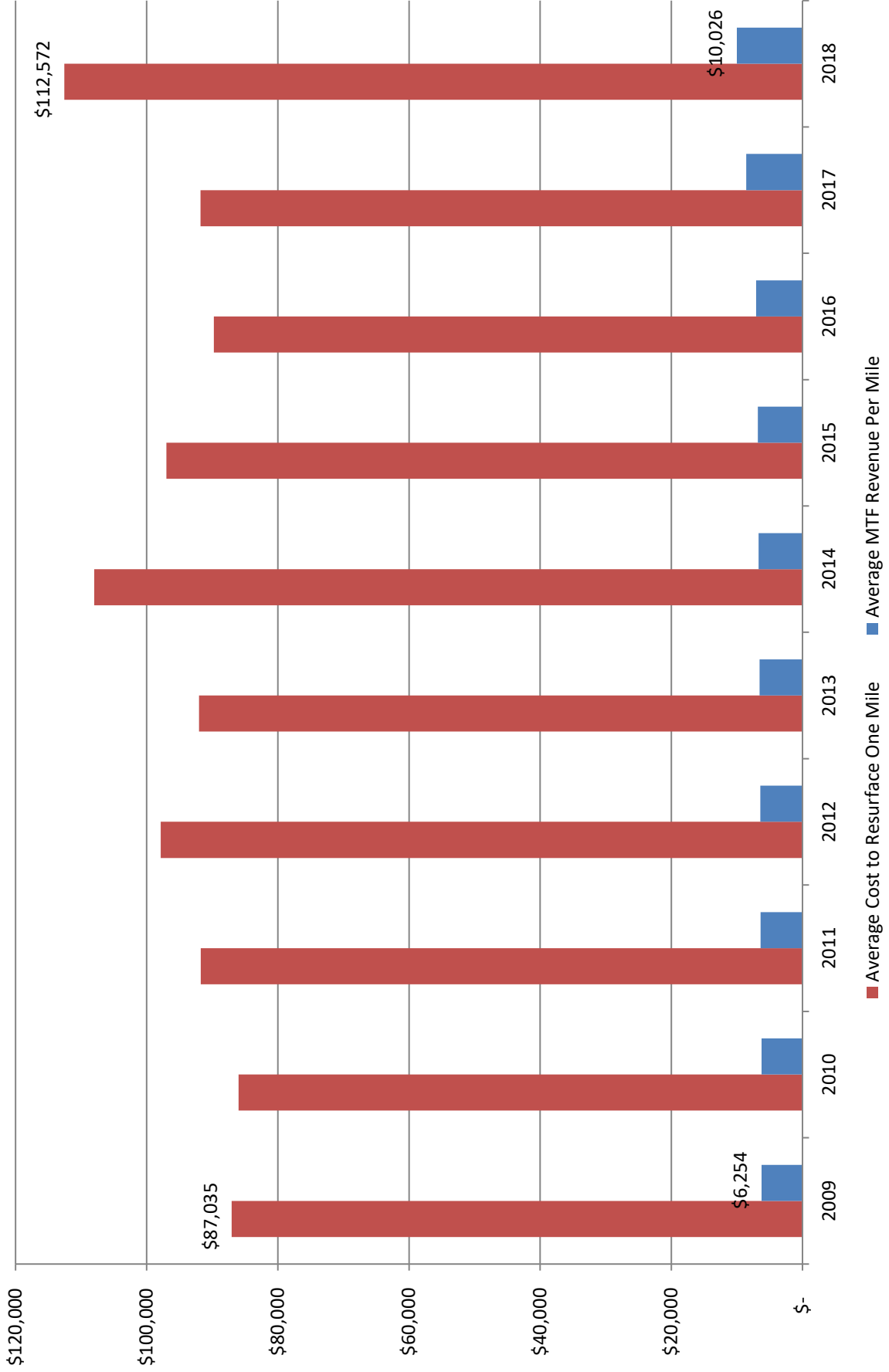


# ANNUAL POTHOLE PATCHING COSTS

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
2009	304	226	530	\$ 148,508	\$ 110,430	\$ 258,938	\$ 379	\$ 402	\$ 489
2010	168	182	350	102,375	96,049	198,424	261	349	567
2011	217	270	487	138,209	130,727	268,936	353	465	552
2012	208	236	444	153,715	135,620	289,335	392	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
2016	244	331	575	138,506	174,466	312,972	354	620	544
2017	327	276	603	181,248	143,124	324,372	463	504	538
2018	227	130	357	159,691	112,874	272,565	408	398	763



# PAVING COST TRENDS PER MILE



# SUMMARY OF PERMIT DEPARTMENT OPERATIONS

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<b>Permit Type</b>	<b>Number Issued</b>	<b>Amount Collected</b>
Annual Permits/Cab Cards	634	
Single Move Permits	445	
Driveway Permits	174	
Utility Permits	195	
Building Move Permits	-	
Tap In Permits	-	
Road Bore	65	
		\$ 77,586
Highway Permits/Bituminous Road Cuts	34	\$ 13,600
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	39	
<b>Total Permit Fees Collected</b>		<b>\$ 91,186</b>

# 2017-2018 CAPITAL OUTLAY

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## EQUIPMENT AND BUILDING PURCHASES

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

In-Ground Hoist	\$ 127,873
Lighting Improvements	5,540
Miscellaneous Building Improvements	<u>10,736</u>
Total Building and Yard & Storage	<u><u>\$ 144,149</u></u>

### **Road Equipment**

1 Freightliner Tandem Truck (equipment)	\$ 88,070
3 Chevrolet Pickups	83,029
6 Portable Changeable Message Boards	112,668
Radio Equipment	11,946
Miscellaneous Equipment	2,257
Rebuilt Transmissions/Engines and Repairs - various vehicles	<u>81,857</u>
Total Road Equipment	<u><u>\$ 379,828</u></u>

### **Office Equipment**

Server	<u>\$ 8,568</u>
Total Office Equipment	<u><u>\$ 8,568</u></u>

**Total 2017-2018 Capital Outlay Expense** \$ 532,544

# STATUS OF ROAD MILEAGE JANUARY 1, 2019

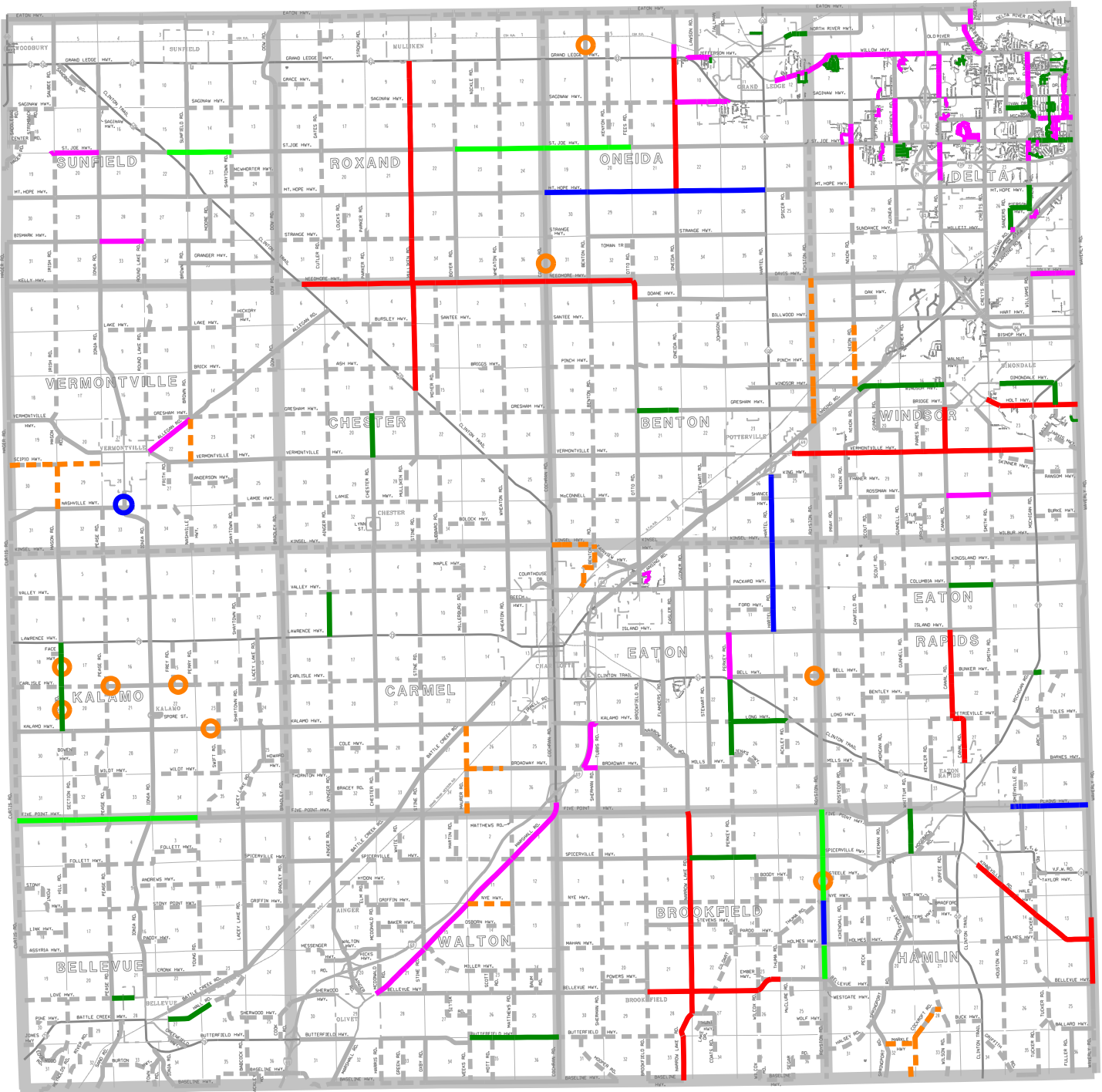
TOWNSHIP	PRIMARY ROADS		TOTAL MILES PRIMARY	LOCAL ROADS		PLATTED STREETS		TOTAL MILES LOCAL	TOTAL MILES IN TWP	TOTAL MILES PAVED	TOTAL PERCENT PAVED	TOTAL MILES GRAVEL
	PAVED	GRAVEL		PAVED	GRAVEL	PAVED	GRAVEL					
Bellevue	18.40	-	18.40	3.66	44.85	0.23	-	48.74	67.14	22.29	33.20%	44.85
Benton	28.13	-	28.13	7.02	26.60	-	-	33.62	61.75	35.15	56.92%	26.60
Brookfield	18.33	-	18.33	9.24	44.71	-	-	53.95	72.28	27.57	38.14%	44.71
Carmel	23.36	-	23.36	8.26	33.69	0.33	-	42.28	65.64	31.95	48.67%	33.69
Chester	13.70	-	13.70	4.52	44.10	-	0.13	48.75	62.45	18.22	29.18%	44.23
Delta	55.85	-	55.85	6.64	6.93	97.91	0.98	112.46	168.31	160.40	95.30%	7.91
Eaton	25.99	-	25.99	19.28	18.72	4.28	-	42.28	68.27	49.55	72.58%	18.72
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	32.06	-	0.10	45.22	71.69	39.53	55.14%	32.16
Kalamo	18.30	-	18.30	8.52	39.10	0.26	-	47.88	66.18	27.08	40.92%	39.10
Oneida	23.51	-	23.51	16.01	14.55	9.60	0.19	40.35	63.86	49.12	76.92%	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	23.08	-	23.08	12.29	35.42	-	-	47.71	70.79	35.37	49.96%	35.42
Windsor	31.54	-	31.54	14.86	25.80	10.85	0.30	51.81	83.35	57.25	68.69%	26.10
<b>TOTAL</b>	<b>391.78</b>	<b>-</b>	<b>391.78</b>	<b>157.53</b>	<b>499.06</b>	<b>124.18</b>	<b>1.70</b>	<b>782.47</b>	<b>1,174.25</b>	<b>673.49</b>	<b>57.35%</b>	<b>500.76</b>

# EATON COUNTY, MICHIGAN

## 2018 PROJECTS

- ASPHALT OVERLAY
- CRUSH AND SHAPE / ASPHALT OVERLAY
- S.A.M.I. / ASPHALT OVERLAY
- SINGLE SEAL AND FOG
- OVERBAND CRACK FILL
- REGRAVEL - MILLAGE / LOCAL
- BRIDGE PROJECT
- CULVERT REPLACEMENT

DECEMBER 31, 2018



# EATON COUNTY, MICHIGAN

## URBAN AREA 2018 PROJECTS

- ASPHALT OVERLAY
- S.A.M.I. / ASPHALT OVERLAY
- SINGLE SEAL AND FOG
- - - REGRAVEL - MILLAGE / LOCAL
- OVERBAND CRACK FILL

DECEMBER 31, 2018

