



2018-2019

Supplemental Annual Report



Eaton County
Road Commission



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

www.eatoncountyrad.com

Version 3-20

SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2018 – SEPTEMBER 30, 2019

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

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 108 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 road and bridge 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 2018-2019 equaled 63% of the total expenditures for road maintenance and construction.

On Primary roads in 2019, the Road Commission was able to use \$1,571,000 of state TEDF and federal RSTP grant funds to make base repairs, construct paved shoulders, intersection and drainage improvements, and repave 4.4 miles of Battle Creek Road from Carlisle Highway to Five Point Highway in Carmel Township as the first part of a multi-year plan to rehabilitate and repave

that roadway between the Village of Bellevue and the City of Charlotte. In partnership with Delta Township, the Road Commission was able to utilize \$625,000 in federal USTP grant funds to rehabilitate the road base, repair drainage, repair curb and gutter, and repave .75 miles of Mall Drive West from M-43 to Elmwood Road. Delta Charter Township contributed \$110,000 of the local match funds required by that grant, and also provided all the local funds necessary to use \$520,000 of federal TAP grant funds to construct bicycle lanes on Old Lansing Road from Waverly Road to Lansing Road (business I-69). Across the county the Road Commission was able to use the increased funding available again in 2019 from the Michigan Transportation Fund (MTF) to resurface an additional 41 miles of primary roads using hot mix asphalt, and also placed a new sealcoat surface with fog seal on an additional 40 miles Primary roads.

While no Primary Road Bridges were replaced in 2019, we were able to replace a large culvert on Benton Road over the Johnson drain with the cooperation with the Drain Commission and replaced several other crossroad culverts as needed on the asphalt resurfacing projects throughout the county.

On Local Roads, 2019 marked the 5th year of the 12-year road rehabilitation program funded by the county-wide road millage. The Road Commission repaired and resurfaced 24 miles of paved Local Roads and re-graded and re-graveled 30 miles of unimproved Local Roads using millage funds supplemented with state MTF revenue. Due to a labor dispute involving a local paving company contracted for the work, 5 miles of resurfacing work on subdivision streets in the 2019 millage program were not completed. We anticipate that those projects will be completed this year in addition to the planned 2020 millage program. While all completed millage program projects are noted in the following pages, a supplemental multi-year report regarding the millage program projects with supporting information is available separately.

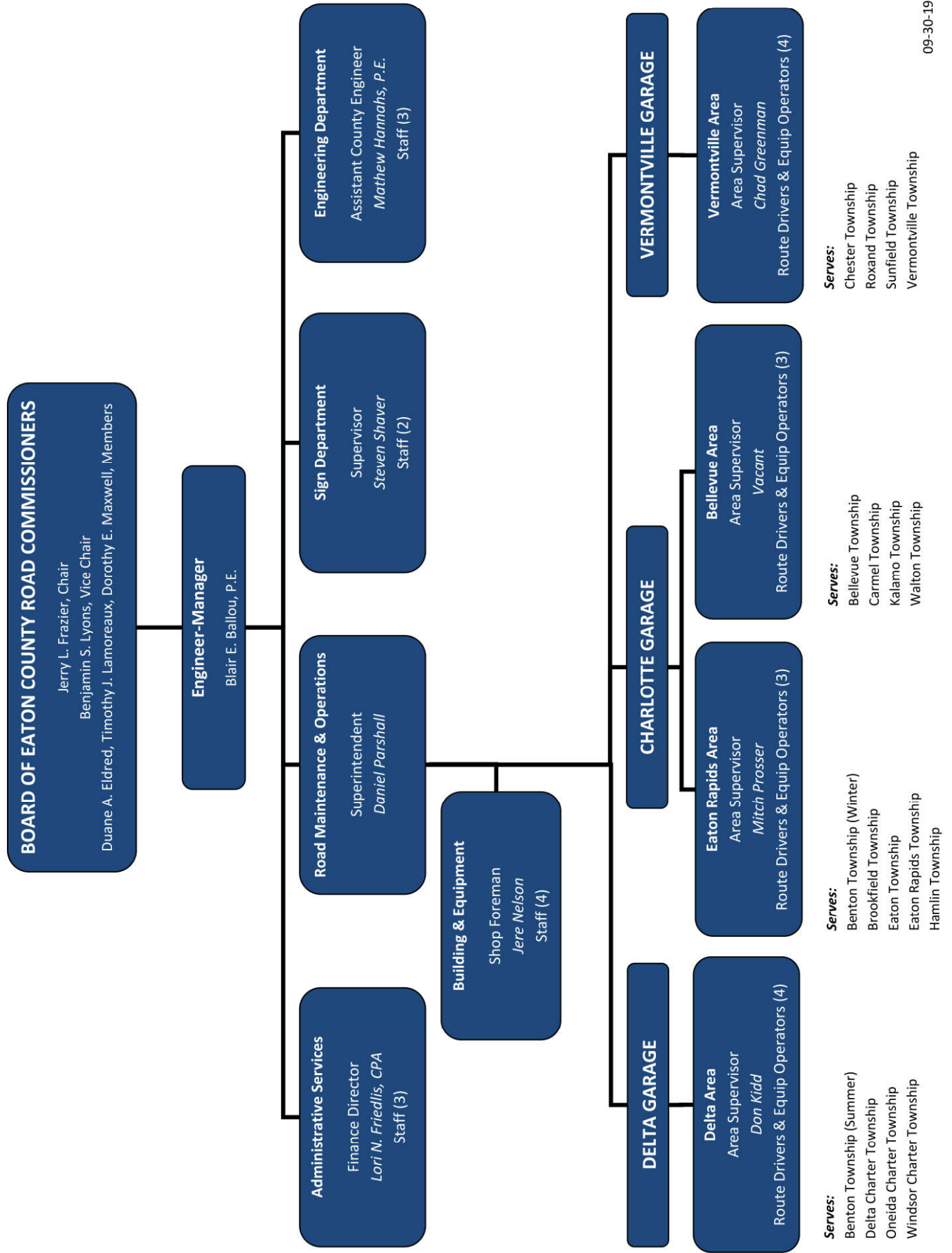
No Local road bridges were replaced in 2019, but several crossroad culverts were replaced in conjunction with the millage-funded local road resurfacing projects or as requested through cost sharing agreements with Township boards as noted elsewhere in this report.

While the Road Commission's first priority is public safety on all county roads, we continue to utilize state Asset Management principals in working towards keeping the existing good roads in Eaton County in good condition, rather than deferring timely maintenance on those roads in order to pay for the improvement and/or 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.

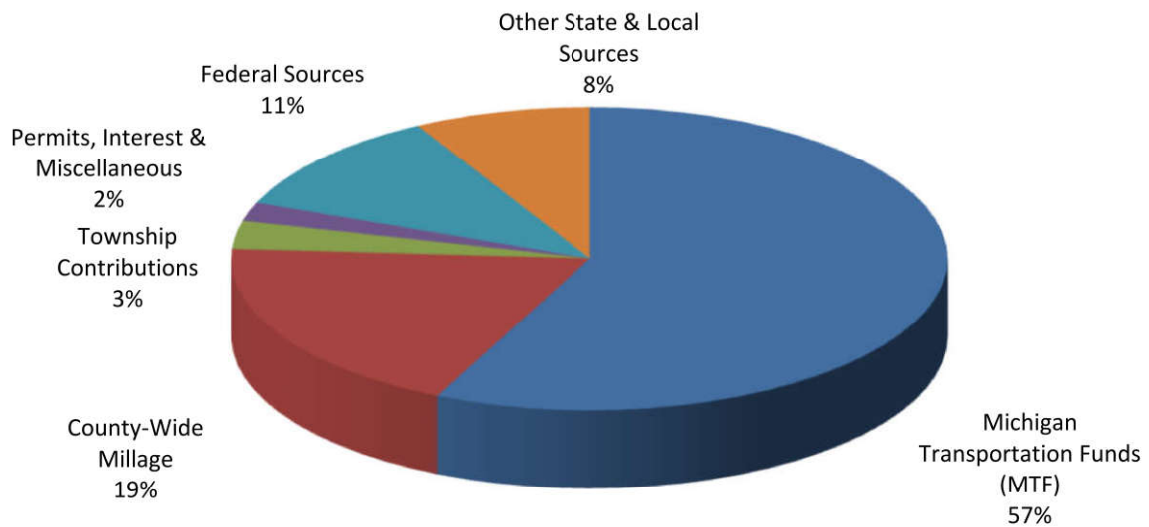
The Road Commission welcomes comments, suggestions and discussion on both programs and specific projects at any time.



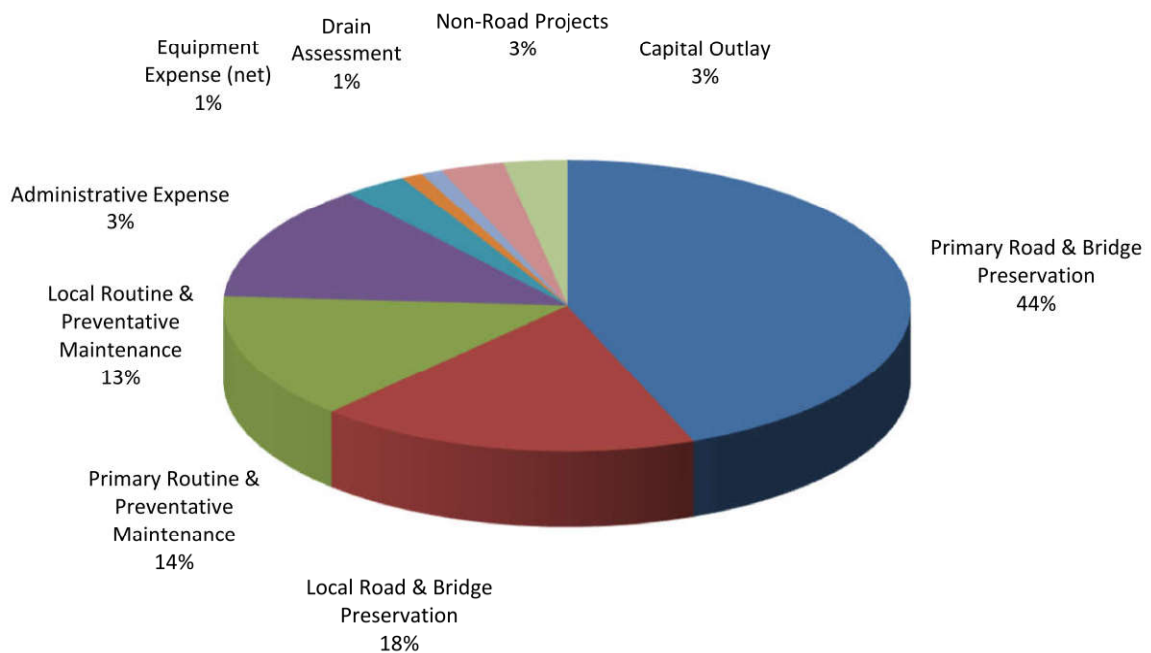
FINANCIAL SUMMARY

	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
REVENUES					
County-Wide Millage	\$ 3,964,993	\$ 3,964,117	\$ 4,088,338	\$ 4,289,816	\$ 4,427,964
Permit Revenue	75,358	87,227	91,186	81,930	75,000
Intergovernmental:					
Federal Sources	1,872,677	2,503,173	232,133	2,417,537	3,965,426
Michigan Transportation Funds	8,315,167	10,578,775	11,766,271	12,757,871	13,939,103
Other State Sources	1,437,457	193,777	1,235,888	1,862,096	116,500
Township Contributions	190,786	501,944	196,958	772,747	844,414
Other Local Sources	34,263	17,156	24,030	25,204	
Charges for Services	10	1,841	2,437	2,964	
Interest and Rentals	16,582	54,245	174,555	213,741	150,000
Other Revenue	102,666	81,629	70,548	72,399	100,000
Total Revenues	\$ 16,009,959	\$ 17,983,884	\$ 17,882,344	\$ 22,496,305	23,618,407
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ -	\$ -	\$ -	\$ -	
Preservation/Structural Improvements	2,243,254	4,871,913	3,647,030	10,333,681	\$ 11,882,567
Routine Maintenance	1,522,790	1,863,465	2,369,967	1,672,063	3,300,000
Preventative Maintenance	1,456,166	1,339,123	883,166	1,548,892	
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	
Preservation/Structural Improvements	5,533,196	4,459,885	4,867,992	4,182,711	5,997,964
Routine Maintenance	2,601,549	2,758,640	2,814,074	2,971,591	3,300,000
Preventative Maintenance	18,235	100	-	-	
Equipment Expense (net)	232,099	(19,476)	208,311	202,740	150,000
Administration (net)	830,648	676,992	761,273	741,702	800,000
Maintenance Service for Other Units	74,024	87,482	94,622	76,463	100,000
Non-Road Projects	-	-	307	793,933	
Capital Outlay (net)	48,814	(167,845)	(98,577)	637,685	981,400
Debt Service	533,495	517,225	516,085	-	
Drain Assessment	277,045	242,576	276,584	199,547	300,000
Total Expenditures	\$ 15,371,315	\$ 16,630,080	\$ 16,340,834	\$ 23,361,008	\$ 26,811,931
Net Revenues (Expenditures)	638,644	1,353,804	1,541,510	(864,703)	(3,193,524)
Fund Balance at Beginning of Year	5,237,434	5,876,078	7,229,882	8,771,392	7,906,689
Fund Balance at End of Year	\$ 5,876,078	\$ 7,229,882	\$ 8,771,392	\$ 7,906,689	\$ 4,713,165

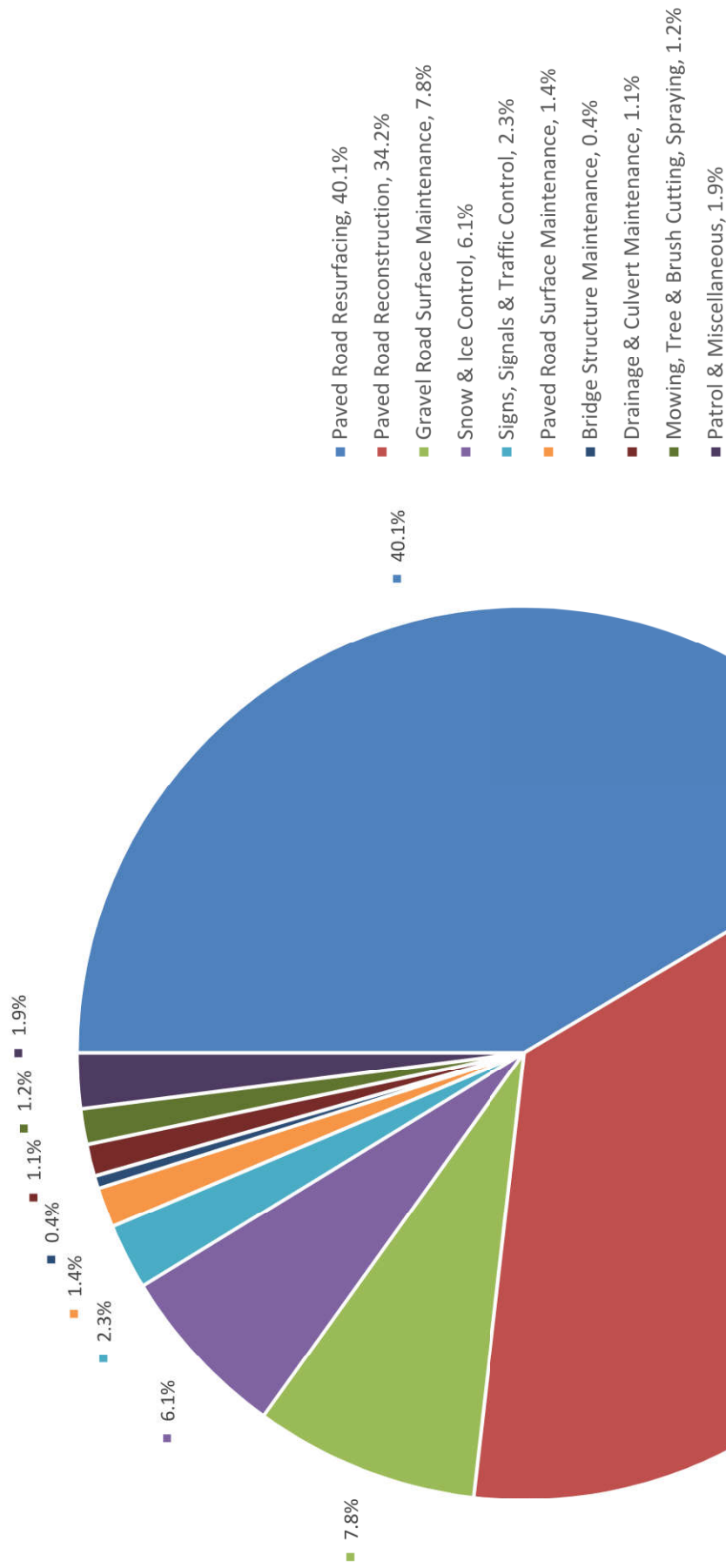
REVENUE



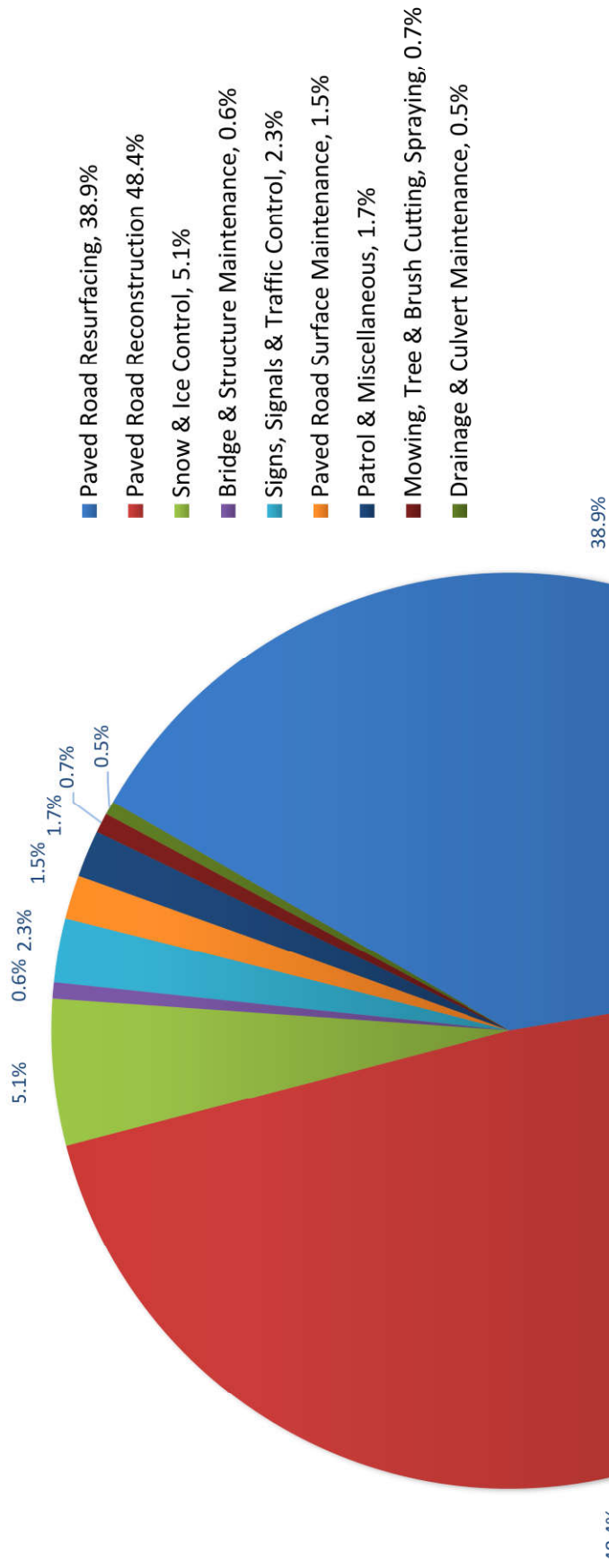
EXPENDITURES



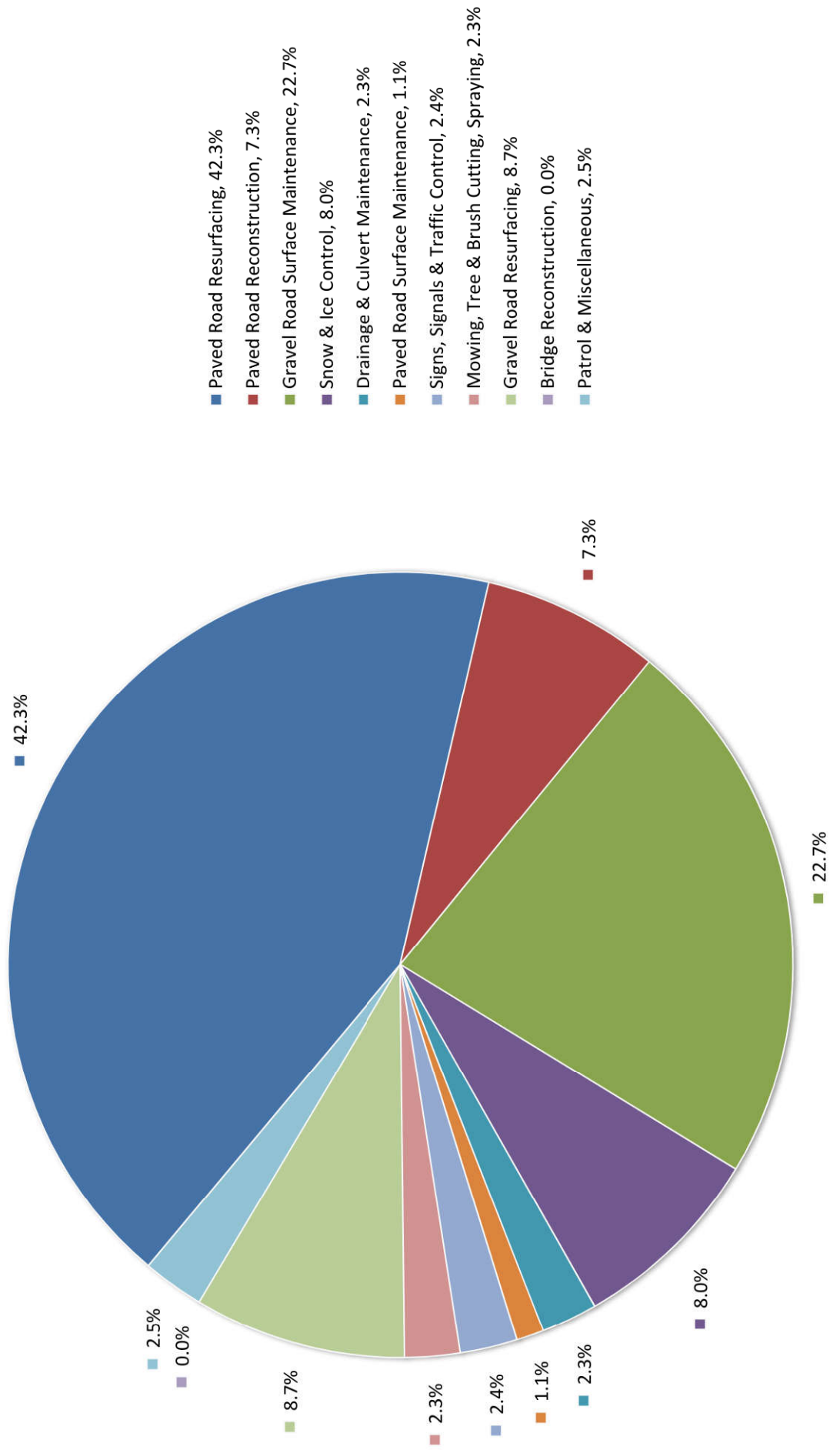
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	\$ -
Total Preservation/Structural Improvement Projects	\$ 10,333,681
Total Preventative Maintenance Projects	<u>\$ 1,548,892</u>
Total Primary Road and Bridge Projects	<u>\$ 11,882,573</u>

Local Roads:

Total Construction/Capacity Improvement Projects	\$ -
Total Preservation/Structural Improvement Projects	\$ 4,182,711
Total Preventative Maintenance Projects	<u>\$ -</u>
Total Local Road and Bridge Projects	<u>\$ 4,182,711</u>

Grand Total	<u>\$ 16,065,284</u>
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Asphalt Resurface

Ionia Rd, Baseline Hwy to M-78	1.00 mi	\$	212,308.79
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Sealcoating:

Ionia Rd, Five Point Hwy to Bellevue village limit	5.16 mi		61,580
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Final Expenditures for Prior Year Projects			3,175
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Local Roads:

Culvert Replacement:

Stoney Point Hwy - Pease Rd			3,300
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Local Road Millage Regravel:

Ackley Rd, County Line to W Baseline Hwy	0.25 mi		4,844
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Pease Rd, Follett Hwy to Five Point Hwy	1.03 mi		20,506
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Stoney Point Hwy, Ionia Rd to Pease Rd	0.63 mi		11,522
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Baseline Hwy, 16 Mile Rd to Pavement	1.51 mi		28,030
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Spicerville Hwy, Lacey Lake Rd to Bradley Rd	0.94 mi		19,847
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Final Expenditures for Prior Year Projects			195
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Bellevue Township Total		\$	365,308
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Bellevue Township Contributions		\$	1,325
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BENTON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Hartel Rd, Kinsel Hwy to I-69	1.54 mi	\$	202,338
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Sealcoat:

Hartel Rd, Kinsel Hwy to I-69	1.54 mi		47,328
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Final Expenditures for Prior Year Projects			7,114
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Initial Expenditures for Future Projects			796
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Local Roads:

Local Road Millage Paved Road Resurface:

Pinch Hwy, Oneida Rd to Hartel Rd	2.00 mi		232,019
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Local Road Millage Regravel:

Kinsel Hwy, Cochran Rd to Benton Rd	0.95 mi		18,913
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Final Expenditures for Prior Year Projects			159
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Benton Township Total		\$	508,667
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Benton Township Contributions		\$	-
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BROOKFIELD TOWNSHIP

Primary Roads:

Crush, Shape, Asphalt Resurface:

Cochran Rd, Baseline Hwy to Bellevue Hwy	2.06 mi	\$	1,221,726
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Sealcoating:

Narrow Lake Rd, Baseline Hwy to Five Point Hwy	6.13 mi		26,197
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Bellevue Hwy, Brookfield Rd to Thuma Rd	3.10 mi		17,304
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Local Roads:

Local Road Millage Paved Road Resurface:

Spicerville Hwy, Sherman Rd to Narrow Lake Rd	2.00 mi		247,469
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Spicerville Hwy, Narrow Lake Rd to Wilcox Rd	1.50 mi		189,327
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Brookfield Township Total		\$	1,702,023
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Brookfield Township Contributions		\$	-
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CARMEL TOWNSHIP

Primary Roads:

Crush, Shape, Asphalt Resurface:

Five Point Hwy, Bradley Rd to Battle Creek Rd.	2.41 mi	\$	674,923
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Rehabilitate:

Battle Creek Rd, Carlisle Hwy to Five Point Hwy	4.04 mi		1,781,784
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Sealcoating:

Beech Hwy, Wheaton Rd to Charlotte city limit	0.50 mi		15,142
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Wheaton Rd, Valley Hwy to M-79	1.14 mi		27,124
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Local Roads:

Local Road Millage Paved Road Resurface:

Stine Rd, M-79 to Valley Hwy	1.00 mi		132,303
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<i>Final Expenditures for Prior Year Projects</i>			4,061
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Carmel Township Total		\$	2,635,337
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Carmel Township Contributions		\$	-
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CHESTER TOWNSHIP

Primary Roads:

Sealcoat:

Mulliken Rd, Vermontville Hwy to M-50	1.52 mi	\$	61,798
Vermontville Hwy, Bradley Rd to M-50	4.7 mi		107,825

<i>Final Expenditures for Prior Year Projects</i>			13,104
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Local Roads:

Local Road Millage Regravel:

Hubbard Rd, Kinsel Hwy to Vermontville Hwy	2.00 mi		56,108
Wheaton Rd, Gresham Hwy to Needmore Hwy	2.94 mi		39,193

<i>Final Expenditures for Prior Year Projects</i>			501
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Chester Township Total		\$	278,528
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Chester Township Contributions		\$	-
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP

Primary Roads:

Asphalt Resurface:

Elmwood Rd, Michigan Ave to M-43	0.54 mi	\$	159,399
Ivan St, Mall Drive S to Elmwood	0.55 mi		105,689
Nixon Rd, M-43 to Willow Hwy	1.01 mi		202,737
Old Lansing Rd, Lansing Rd to Waverly Rd	2.54 mi		327,176
St Joe Hwy, Snow Rd to Waverly Rd	1.01 mi		412,726
Snow Rd, Mt Hope Hwy to its end	0.60 mi		22,585

Crush, Shape, Asphalt Resurface

St Joe Hwy, Royston Rd to Nixon Rd	0.95 mi		356,335
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Full Depth Reclamation and Asphalt Resurface

Mall Dr West	0.75 mi		396,345
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Non-Motorized:

Old Lansing Rd, Lansing Rd to Waverly Rd (Construct Bike Lanes and Asphalt Resurface)	2.54 mi		785,190
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Final Expenditures for Prior Year Projects 7,552

Initial Expenditures for Future Projects 5,070

Local Roads:

Local Road Millage Paved Road Resurface:

Addison Rd, Maycroft to Robins	0.17 mi		40,392
Arden Rd, Maycroft to Willow Hwy	0.25 mi		43,922
Blanche Ave, Dibble St to Waverly Rd	0.13 mi		12,784
Bretton Rd, Elizabeth to Arden	0.21 mi		38,286
Delta Commerce, Saginaw Hwy to Canal Rd	0.59 mi		159,481
Ena, Lanac to Rickle	0.12 mi		19,832
Francis Ct, Canal Rd end	0.13 mi		42,153
Hume Blvd, St Joe Hwy to Dead End	0.49 mi		60,553
Lanac, Ena to Canal Rd	0.28 mi		54,989
Maycroft Rd, Elizabeth to Arden	0.16 mi		34,522
Otis Ave, Dibble to Waverly Rd	0.13 mi		15,264
Westbury Cir, Delta Commerce to End	0.10 mi		32,442

Final Expenditures for Prior Year Projects 13,322

Initial Expenditures for Future Projects 27,466

Delta Township Total \$ 3,376,211

Delta Township Contributions \$ 735,386

2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Hartel Rd, Island Hwy to Kinsel Hwy	2.01 mi	\$	251,919
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Crush, Shape, Asphalt Resurface:

Otto Rd, Packard Hwy to Lansing Rd	0.49 mi		83,867
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Sealcoating:

Hartel Rd, Island Hwy to Kinsel Hwy	2.01 mi		61,773
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Island Hwy, Hartel Rd to Royston Rd	1.01 mi		31,200
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Stewart Rd, M-50 to Packard Rd	2.00 mi		52,177
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Final Expenditures for Prior Year Projects			84
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Initial Expenditures for Future Projects			436
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Local Roads:

Local Road Millage Paved Road Resurface:

Gidner Rd, Packard Hwy to Kinsel Hwy	1.02 mi		117,995
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Long Hwy, Perkey Rd to Ackley Rd	1.26 mi		153,652
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Perkey Rd, Jenks Rd to M-50	1.71 mi		198,922
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Local Road Millage Regravel:

Benton Rd, Kinsel Hwy to end of Pavement	1.21 mi		22,410
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Long Hwy, Stewart Rd to Perkey Rd	0.50 mi		8,871
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Mills Hwy, Narrow Lake Rd to Perkey Rd	1.01 mi		17,896
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Initial Expenditures for Future Projects			108
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Eaton Township Total		\$	1,001,309
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Eaton Township Contributions		\$	-
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EATON RAPIDS TOWNSHIP

Primary Roads:

Asphalt Resurface:

Plains Rd, Waverly Rd to Eaton Rapids city limits	1.74 mi	\$	179,930
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Sealcoating:

Island Hwy, Royston Rd to Smith Rd	3.98 mi		122,952
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Final Expenditures for Prior Year Projects			16,248
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Local Roads:

Final Expenditures for Prior Year Projects			10,448
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Eaton Rapids Township Total		\$	329,578
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Eaton Rapids Township Contributions		\$	-
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Crush, Shape, Asphalt Resurface:

Royston Rd, Bellevue Hwy to Five Point Hwy	3.82 mi	\$	493,834
Springport Rd, County Line to Markle Hwy	0.77 mi		207,623

Asphalt Resurface:

Springport Rd, Markle Hwy to Bellevue Hwy	1.39 mi		324,744
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Sealcoat:

Kinneville Rd, Eaton Rapid city limits to Waverly Rd	3.17 mi		13,654
Springport Rd, Bellevue Hwy to Spicerville Hwy	3.07 mi		68,017
Royston Rd, Bellevue Hwy to Spicerville Hwy	2.78 mi		77,329

<i>Final Expenditures for Prior Year Projects</i>			12,211
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Local Roads:

Local Road Millage Paved Road Resurface:

Ballard Hwy, Fuller Rd to Waverly Rd	0.50 mi		69,949
Fuller Rd, Ballard Hwy to County Line	1.01 mi		113,972
Whittum Rd, Spicerville Hwy to Five Point Hwy	1.02 mi		126,969

<i>Final Expenditures for Prior Year Projects</i>			3,378
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<i>Initial Expenditures for Future Projects</i>			858
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Hamlin Township Total

\$	1,512,538
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Hamlin Township Contributions

\$	19,454
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KALAMO TOWNSHIP

Primary Roads:

Crush, Shape, Asphalt Resurface:

Five Point Hwy, Young Rd to Bradley Rd	2.03 mi	\$	626,560
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Sealcoating:

Kalamo Hwy, Curtis Rd to Ionia Rd	3.02 mi		75,801
Ionia Rd, Kalamo Hwy to Five Point Hwy	2.02 mi		39,620

<i>Final Expenditures for Prior Year Projects</i>			9,878
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<i>Initial Expenditures for Future Projects</i>			2,118
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Local Roads:

Local Road Millage Paved Road Resurface:

Carlisle Hwy, Pease Rd to Ionia Rd	1.01 mi		123,831
Spore Hwy, Ionia Rd to End	0.24 mi		36,663

<i>Final Expenditures for Prior Year Projects</i>			12,519
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Kalamo Township Total

\$	926,989
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Kalamo Township Contributions

\$	5,829
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ONEIDA TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mt Hope Hwy, Cochran Rd to M-100	5.00 mi	\$	42,067
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Crush, Shape, Asphalt Resurface:

St Joe Hwy, M-100 to Royston Rd	1.00 mi		366,618
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Culvert Replacement:

Benton Rd over the Johnson Drain			26,375
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Sealcoating:

Oneida Rd, Mt Hope Hwy to M-43	3.00 mi		11,233
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Needmore Hwy, Cochran Rd to Otto Rd	1.95 mi		10,655
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Local Roads:

Local Road Millage Crush & Shape:

St Joe Hwy, Fees Rd to Oneida Rd	1.00 mi		238,644
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Local Road Millage Paved Road Resurface:

St Joe Hwy, Cochran Rd to Benton Rd	0.96 mi		36,534
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Millstone, Tall Oaks to Saginaw Hwy	0.49 mi		85,868
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Stone Bluff, Tall Oaks to end	0.20 mi		23,424
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Tall Oaks, Stone Bluff to Millstone	0.08 mi		39,445
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Local Road Millage Regravel:

Cochran Rd, M-43 to Eaton Hwy	1.03 mi		23,764
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Davis Hwy, Hartel Rd to Royston Rd	1.00 mi		21,962
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Eaton Hwy, Cochran Rd to Benton Rd	0.96 mi		28,118
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Final Expenditures for Prior Year Projects

349

Oneida Township Total

\$ 955,056

Oneida Township Contributions

\$ -

ROXAND TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mt Hope Hwy, Dow Rd to Cochran Rd	6.08 mi	\$	748,123
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Sealcoating:

Mulliken Rd, Needmore Hwy to M-43	5.00 mi		12,791
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Needmore Hwy, M-50 to Cochran Rd	5.50 mi		52,497
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Local Roads:

Local Road Millage Crush, Shape, Asphalt Resurface:

St Joe Hwy, Mulliken Rd to Boyer Rd	1.0 mi		239,029
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Final Expenditures for Prior Year Projects:

3,603

Roxand Township Total

\$ 1,056,042

Roxand Township Contributions

\$ -

2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUNFIELD TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mt Hope Hwy, M-50 to Dow Rd	1.56 mi	\$	172,279
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Bridge/Structural Improvements:

Mt Hope Hwy Bridge-Replace (2020 Project)			19,434
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Sealcoat:

Ionia Rd, Mt Hope Hwy to M-50	2.31 mi		53,656
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Sunfield Rd, Mt Hope Hwy to M-43	3.00 mi		79,536
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Local Roads:

Local Road Millage Paved Road Resurface:

St Joe Hwy, Ionia Rd to M-50	1.53 mi		276,810
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Final Expenditures for Prior Year Projects

			2,659
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Sunfield Township Total

		\$	604,372
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Sunfield Township Contributions

		\$	-
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VERMONTVILLE TOWNSHIP

Primary Roads:

Sealcoat:

Ionia Rd, Village limit to Lake Hwy	2.48 mi	\$	57,876
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Local Roads:

Local Road Millage Regravel:

Brown Rd, Vermontville Hwy to Allegan Rd	0.96 mi		21,487
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Curtis Rd, Kinsel Hwy to end of jurisdiction	0.31 mi		6,976
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Mason Rd, Nashville Hwy to Scipio Hwy	1.00 mi		19,158
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Pease Rd, Kinsel Hwy to Nashville Hwy	1.00 mi		19,391
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Scipio Hwy, Hager Rd to West St	2.07 mi		44,625
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Kinsel Hwy, Curtis Rd to Ionia Rd	3.07 mi		59,179
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Vermontville Township Total

		\$	228,692
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Vermontville Township Contributions

		\$	-
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2018-2019

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WALTON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Butterfield Hwy, Marshall Rd to I-69	1.19 mi	\$	160,403
<i>Final Expenditures for Prior Year Projects</i>			6,194

Local Roads:

Local Road Millage Paved Road Resurface:

Hicks Hwy, Ainger Rd to McDonald Rd	0.77 mi		103,467
Spicerville Hwy, Bradley Rd to Ainger Rd	0.99 mi		132,679

Regravel:

Nye Hwy, Marshall Rd to Matthews Rd	1.00 mi		21,422
<i>Final Expenditures for Prior Year Projects</i>			377

Walton Township Total

\$	424,541
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Walton Township Contributions

\$	10,753
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WINDSOR TOWNSHIP

Primary Roads:

Sealcoat:

Vermontville Hwy, Royston Rd to M-99	4.92 mi	\$	26,299
Holt Hwy, Dimondale village limit to Waverly Rd	2.06 mi		14,485
<i>Final Expenditures for Prior Year Projects</i>			7,712

Local Roads:

Local Road Millage Regravel:

Nixon Rd, Windsor Rd to Billwood Hwy	1.50 mi		32,675
Royston Rd, Lansing Rd to Davis Hwy	3.27 mi		72,509
<i>Final Expenditures for Prior Year Projects</i>			6,416

Windsor Township Total

\$	160,095
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Windsor Township Contributions

\$	-
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2018-2019

PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 84,187	18.40	\$ 4,575
Benton	119,748	28.13	4,257
Brookfield	50,315	18.33	2,745
Carmel	80,897	23.36	3,463
Chester	48,245	13.70	3,522
Delta	412,773	55.85	7,391
Eaton	85,849	25.99	3,303
Eaton Rapids	86,352	24.09	3,585
Hamlin	72,319	26.47	2,732
Kalamo	63,772	18.30	3,485
Oneida	87,185	23.51	3,708
Roxand	54,311	20.72	2,621
Sunfield	68,349	22.80	2,998
Vermontville	138,457	17.51	7,907
Walton	78,694	23.08	3,410
Windsor	140,612	31.54	4,458
Total Primary Maintenance	\$ 1,672,063	391.78	\$ 4,268

2018-2019

LOCAL ROAD ROUTINE MAINTENANCE

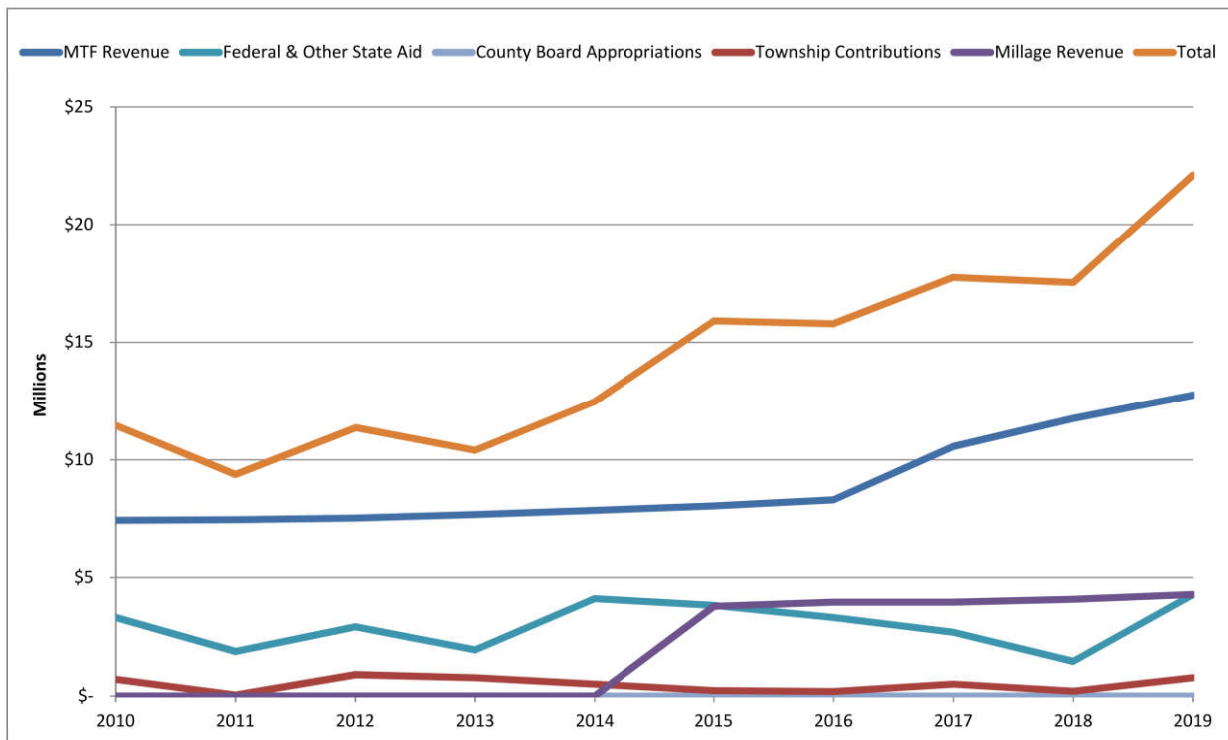
SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 181,722	48.67	\$ 3,734
Benton	164,625	33.62	4,897
Brookfield	201,200	54.02	3,725
Carmel	161,120	42.25	3,813
Chester	208,218	48.62	4,283
Delta	370,480	110.86	3,342
Eaton	149,217	42.17	3,538
Eaton Rapids	191,620	43.29	4,426
Hamlin	142,112	44.82	3,171
Kalamo	163,231	47.62	3,428
Oneida	152,596	40.40	3,777
Roxand	162,332	44.59	3,641
Sunfield	143,877	37.41	3,846
Vermontville	203,260	42.13	4,825
Walton	166,735	47.71	3,495
Windsor	200,566	52.51	3,820
Total Local Maintenance	\$ 2,962,912	780.69	\$ 3,795

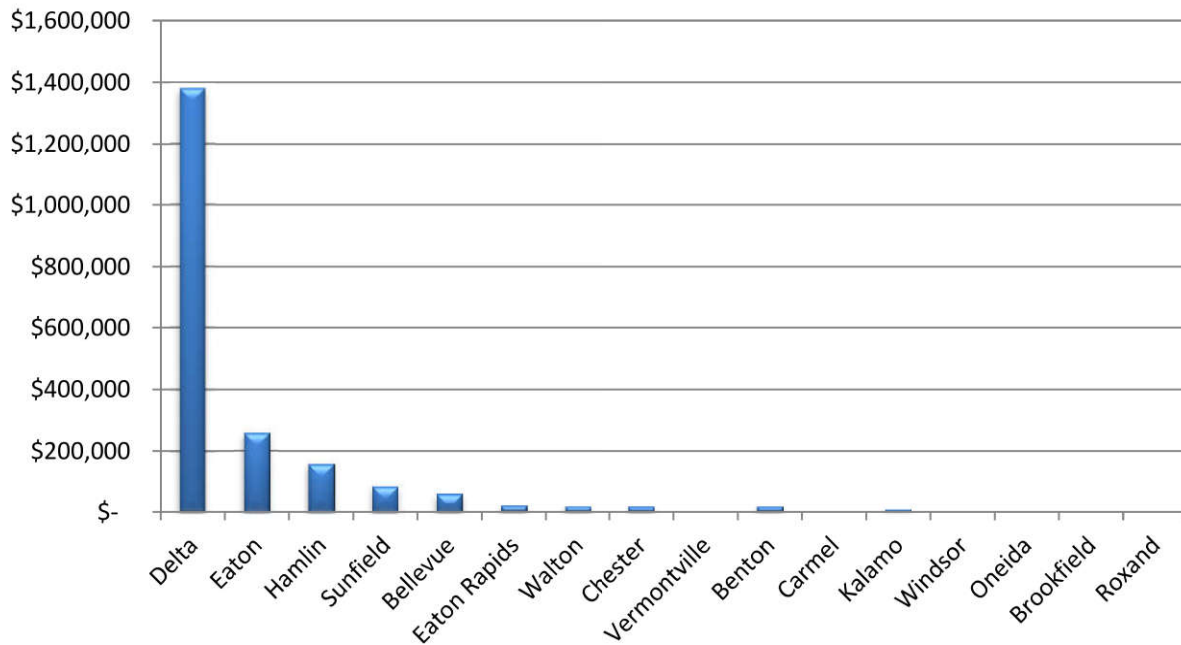
TEN YEAR HISTORY

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

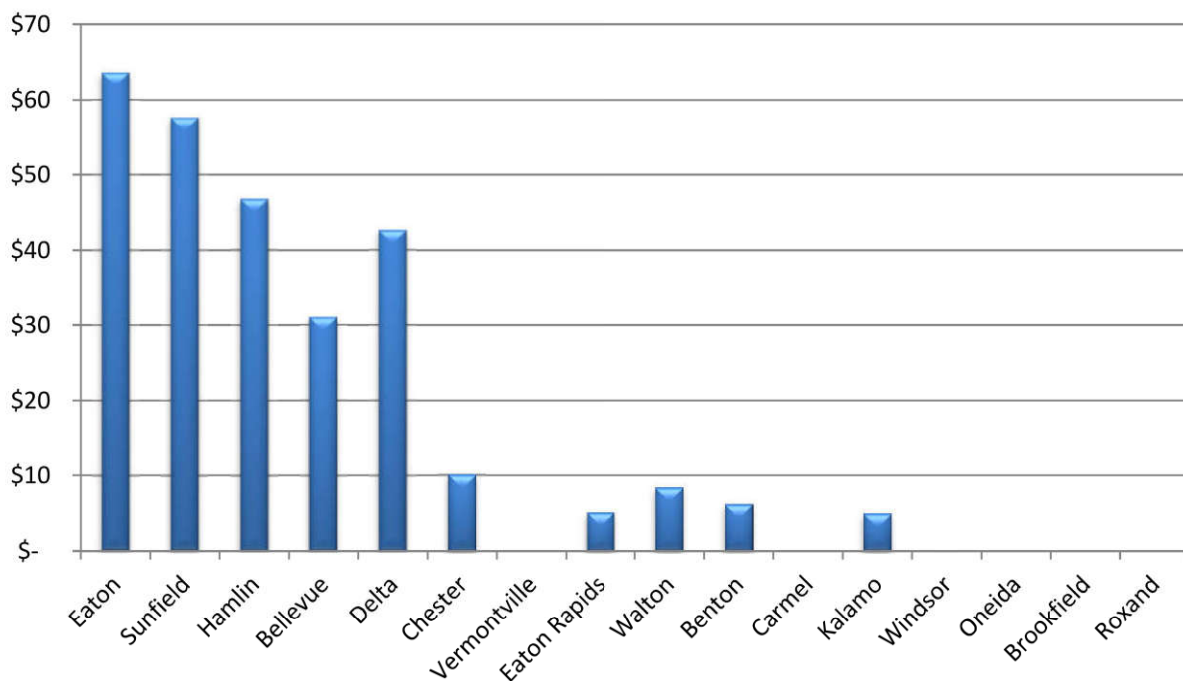
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2010	7,448,713	3,317,154	-	697,084	-	11,462,951	9.4%
2011	7,475,999	1,877,891	-	42,128	-	9,396,018	0.6%
2012	7,545,228	2,920,113	-	902,228	-	11,367,569	12.0%
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%
2019	12,757,872	4,279,633	-	772,746	4,289,816	22,100,067	6.1%



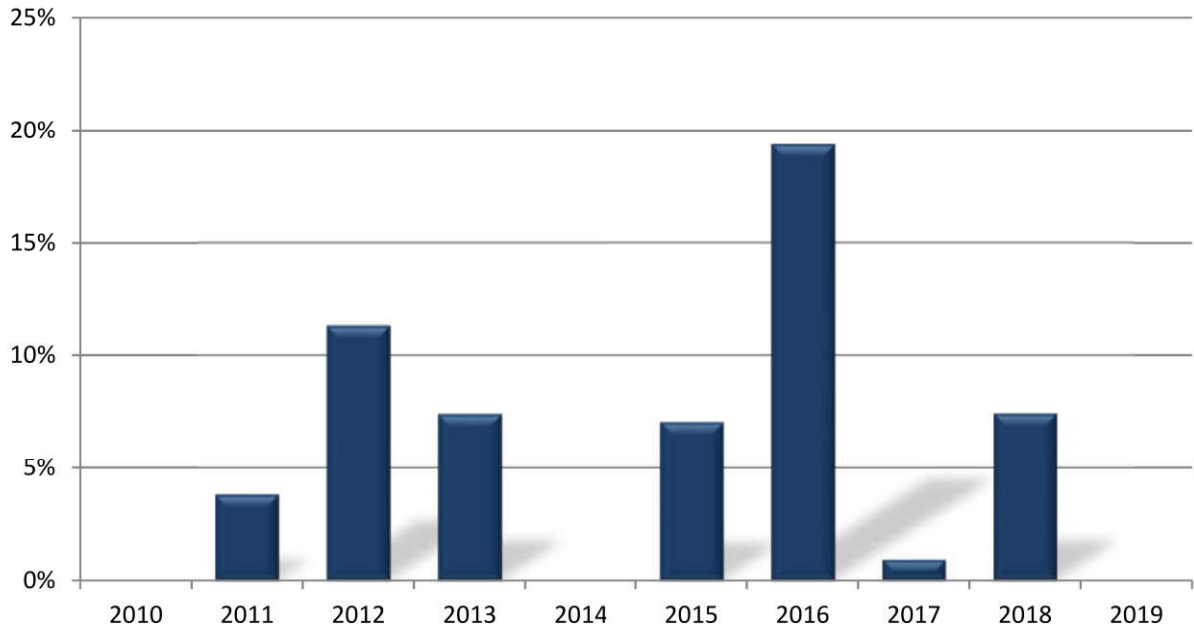
Five Year Township Contributions by Dollar to Primary and Local Roads



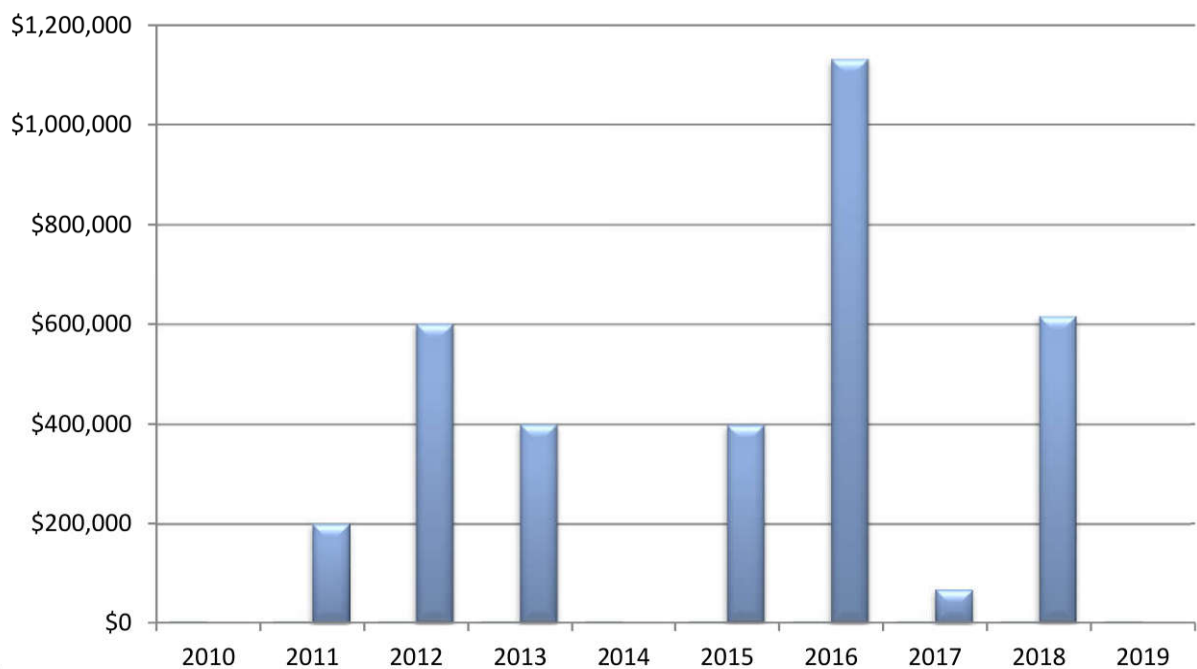
Five Year Township Contributions Per Capita to Primary and Local Roads



**TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL ROAD FUND
AS A PERCENT OF TOTAL PRIMARY MTF DISTRIBUTIONS
2010-2019**

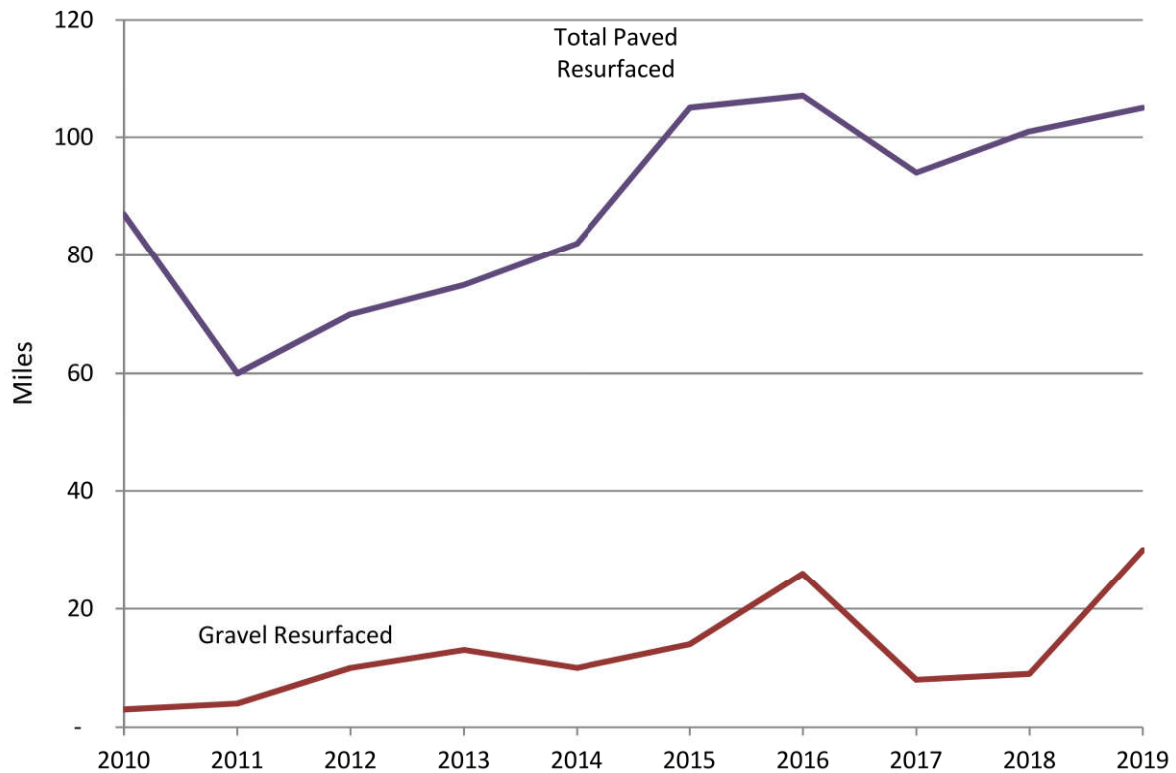


**DOLLAR TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL
ROAD FUND
2010-2019**



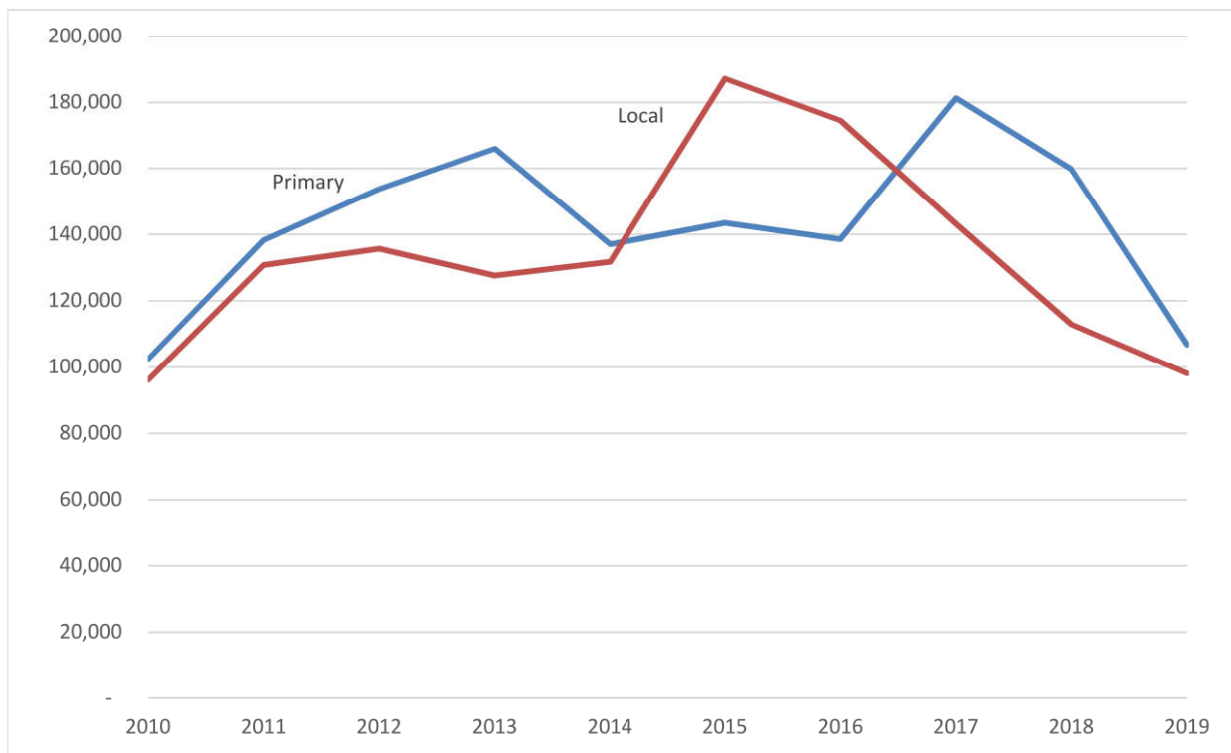
TEN YEAR HISTORY ROAD RESURFACING

<u>YEAR</u>	<u>PRIMARY PAVED MILES RESURFACED</u>	<u>LOCAL PAVED MILES RESURFACED</u>	<u>TOTAL MILES RESURFACED</u>	<u>LOCAL MILES GRAVELED</u>
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
2019	81	24	105	30

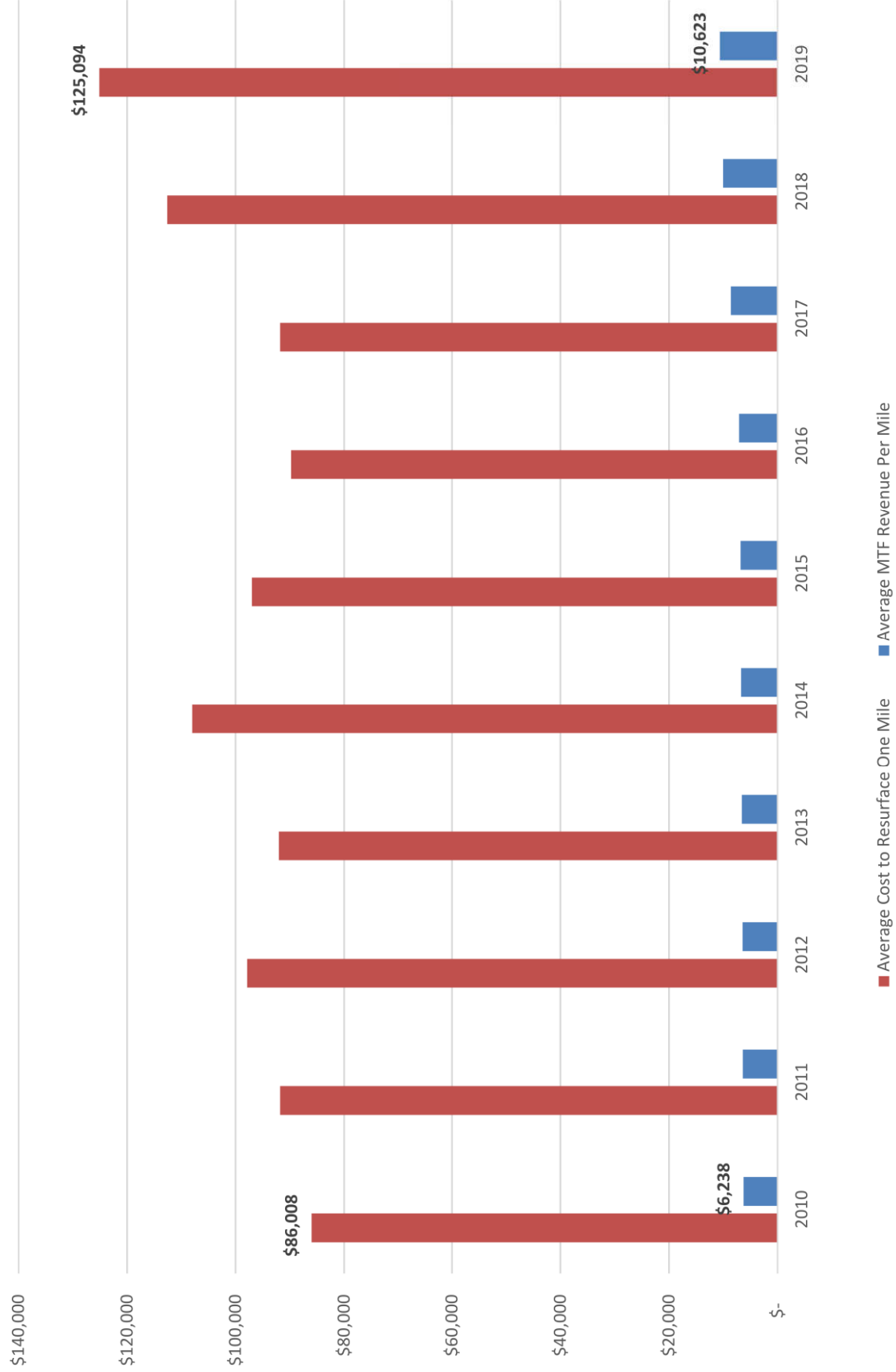


ANNUAL POTHOLE PATCHING COSTS

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
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
2019	167	135	302	106,651	98,076	204,727	272	348	677



PAVING COST TRENDS PER MILE



SUMMARY OF PERMIT DEPARTMENT OPERATIONS

<u>Permit Type</u>	<u>Number Issued</u>	<u>Amount Collected</u>
Annual Permits/Cab Cards	326	
Single Move Permits	389	
Driveway Permits	181	
Utility Permits	77	
Building Move Permits	-	
Tap In Permits	1	
Road Bore	43	
		<hr/>
		\$ 69,930
Highway Permits/Bituminous Road Cuts	30	\$ 12,000
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	50	
Total Permit Fees Collected		<u>\$ 81,930</u>

2018-2019

CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Brine Well Repairs	5,996
Dake Press	\$ 7,020
Lighting Improvements	2,562
Miscellaneous Building Improvements	14,186
Total Building and Yard & Storage	<u>\$ 29,763</u>

Road Equipment

2 Freightliner Tandem Truck (equipment)	\$ 435,318
1 Chip Spreader	310,216
1 Caterpillar Motor Grader	274,394
4 Chevrolet pick ups	137,445
Radio Equipment	3,832
Miscellaneous Equipment	14,264
Rebuilt Transmissions/Engines and Repairs - various vehicles	27,405
Total Road Equipment	<u>\$ 1,202,874</u>

Engineering Equipment

GPS Survey Equipment	\$ 32,239
Total Engineering Equipment	<u>\$ 32,239</u>

Total 2018-2019 Capital Outlay	<u>\$ 1,264,877</u>
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STATUS OF ROAD MILEAGE

JANUARY 1, 2020

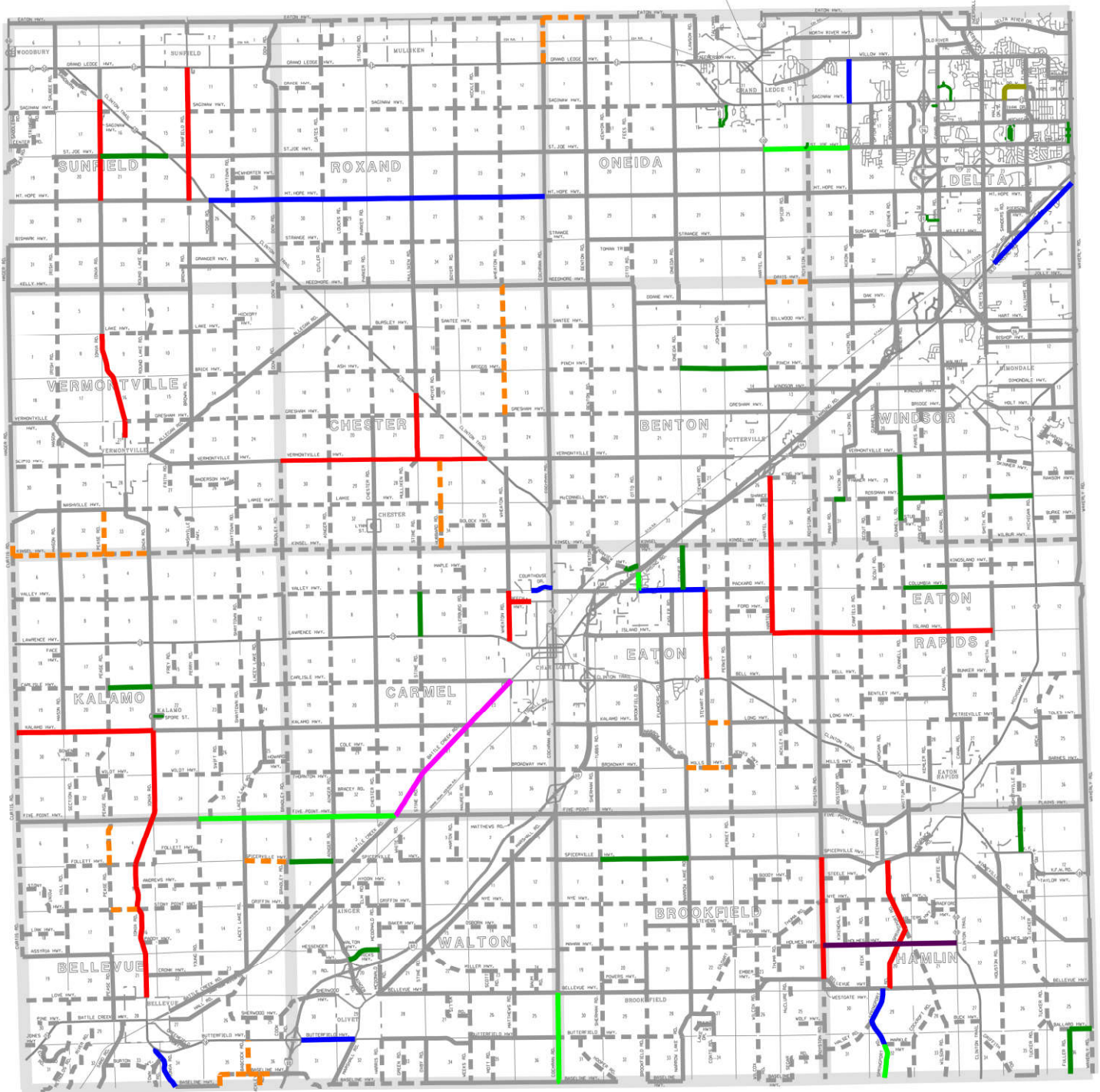
TOWNSHIP	PRIMARY		TOTAL MILES PRIMARY	LOCAL		PLATTED		TOTAL MILES LOCAL	TOTAL MILES IN TWP	TOTAL MILES PAVED	TOTAL PERCENT PAVED	TOTAL MILES GRAVEL
	PAVED	GRAVEL		PAVED	GRAVEL	PAVED	GRAVEL					
Bellevue	18.40	-	18.40	3.66	44.85	0.23	-	48.74	67.14	22.29	33.20%	44.85
Benton	28.13	-	28.13	7.02	26.60	-	-	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
TOTAL	391.78	-	391.78	157.53	499.06	124.18	1.70	782.47	1,174.25	673.49	57.35%	500.76

EATON COUNTY ROAD COMMISSION

2019 COMPLETED PROJECTS

- | | |
|---|---|
| — ASPHALT OVERLAY - MILLAGE / LOCAL (23.5 miles) | - - - REGRAVEL - MILLAGE / LOCAL (18.2 miles) |
| — ASPHALT OVERLAY - PRIMARY (16.9 miles) | — JOINT REPAIR AND RESURFACE - FED AID (4.0 miles) |
| — CRUSH AND SHAPE - PRIMARY (9.6 miles) | — FULL DEPTH RECLAMATION - FED AID (0.75 miles) |
| — SINGLE SEAL AND FOG - PRIMARY (41.1 miles) | — FOG SEAL - LOCAL (3 miles) |

REVISION DATE: 02-25-20



EATON COUNTY ROAD COMMISSION

URBAN AREA 2019 COMPLETED PROJECTS

- | | |
|--|---|
| — ASPHALT OVERLAY - MILLAGE / LOCAL | - - - REGRAVEL - MILLAGE / LOCAL |
| — ASPHALT OVERLAY - PRIMARY | — FULL DEPTH RECLAMATION - FED AID |
| — CRUSH AND SHAPE - PRIMARY | |
| — SINGLE SEAL AND FOG - PRIMARY | |

REVISION DATE: 02-25-20

