

Supplemental Annual Report

2019-2020



Eaton County
Road Commission



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

www.eatoncountyrad.com

Version 3-21

SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2019 – SEPTEMBER 30, 2020

Board of Eaton County Road Commissioners



Benjamin S. Lyons
CHAIR
Term expires: 12-31-26



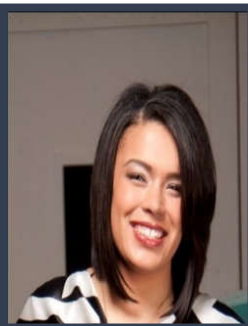
Timothy J.
Lamoreaux
VICE CHAIR
Term expires: 12-31-2022



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



Duane A. Eldred
MEMBER
Term expires: 12-31-25



Lauren K. Aitch-
Guerrant
MEMBER
Term expires: 12-31-25

Blair E. Ballou, P.E., Engineer-Manager

Patricia M. Loosemore, 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 109 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 125 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 2019-2020 equaled 66% of the total expenditures for road maintenance and construction.

On Primary roads in 2020, the Road Commission was able to use funding from the Michigan Transportation Fund (MTF) to resurface 19.4 miles of primary roads using hot mix asphalt, and also placed a new sealcoat surface with fog seal on an additional 43 miles. Using federal USTP grant funds, the Road Commission began a \$600,000 resurfacing and lane conversion project on

Michigan Avenue from Dibble Avenue to Creyts Road in Delta township. That project will be completed in the summer of 2021. Using federal RSTP grant funds along with state economic development grant funds, the road commission rehabilitated and repaved 3.5 miles of Battle Creek Road from Bradley Road to Five Point Highway at a total construction cost of \$1,500,000.

One Primary Road Bridge was replaced in 2020 on Mt. Hope Highway over Sebewa Creek in Sunfield Township. State and federal critical bridge grant funds paid 95% of the \$850,000 total cost of the project. Using a portion of the increased MTF funds, the Road Commission was able to replace a large culvert on Royston Road over the Mills and Post drain in Brookfield and Hamlin townships, and replaced several other crossroad culverts as needed on Primary road resurfacing projects throughout the county.

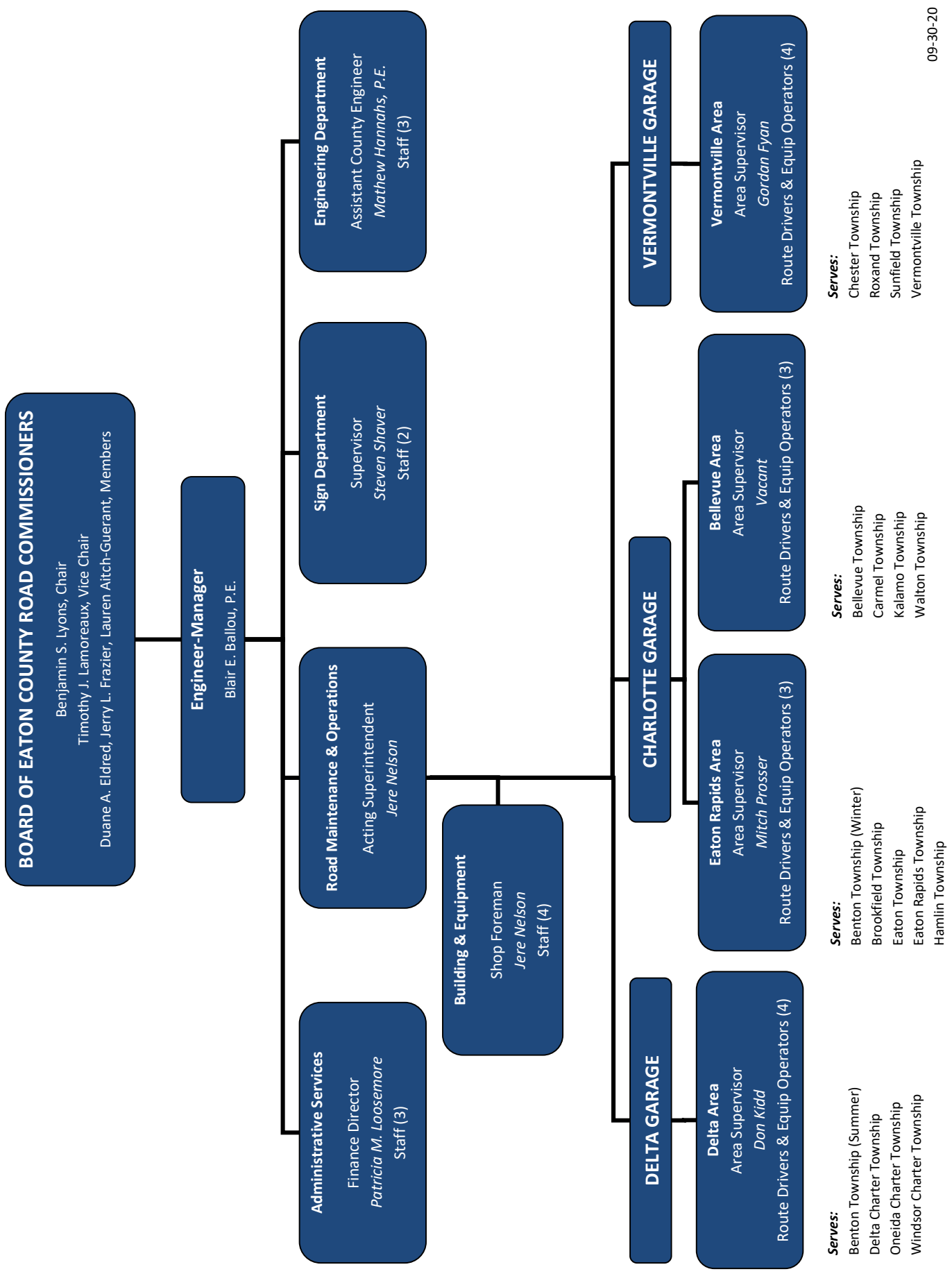
On Local Roads, 2020 marked the half-way point of the 12-year road rehabilitation program funded by the county-wide road millage. The Road Commission repaired and resurfaced 26.6 miles of paved Local Roads and re-graded and re-graveled 16 miles of unimproved Local Roads using millage funds supplemented with state MTF revenue. While all completed millage program projects are noted in the following pages, a supplemental multi-year report regarding the millage program projects and additional information is available separately.

No Local road bridges were replaced in 2020, but over 4 dozen crossroad culverts were repaired, replaced and extended as needed on Local Road resurfacing and re-gravelling projects, or as were requested through cost sharing agreements with Township Boards as noted in the township section of the report.

While the Road Commission's first priority is public safety on all county roads, the Road Commission continues to utilize state Asset Management principals in working towards keeping the existing good roads in Eaton County in good condition, rather than deferring preventive 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.



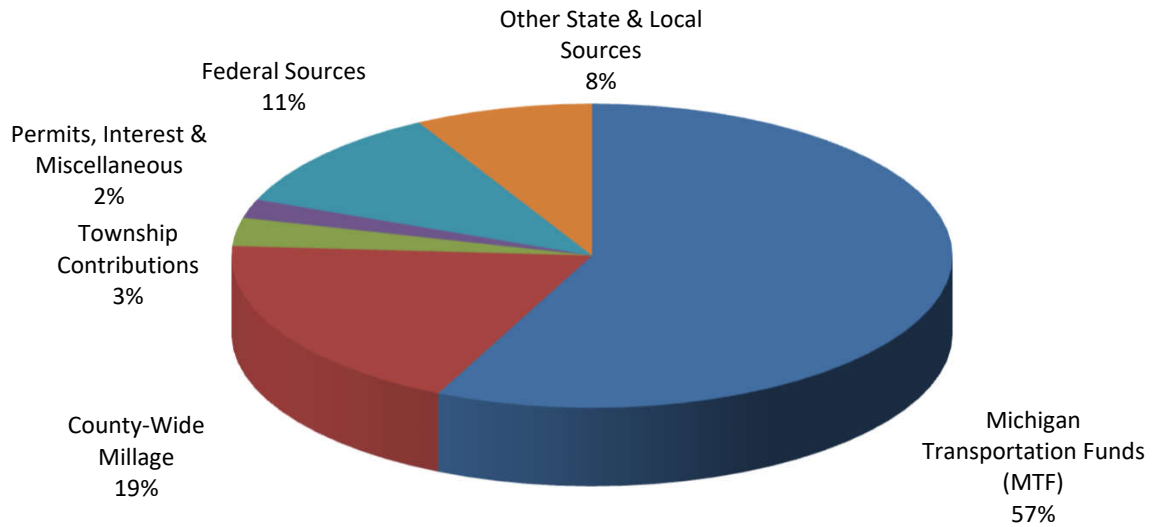
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FINANCIAL SUMMARY

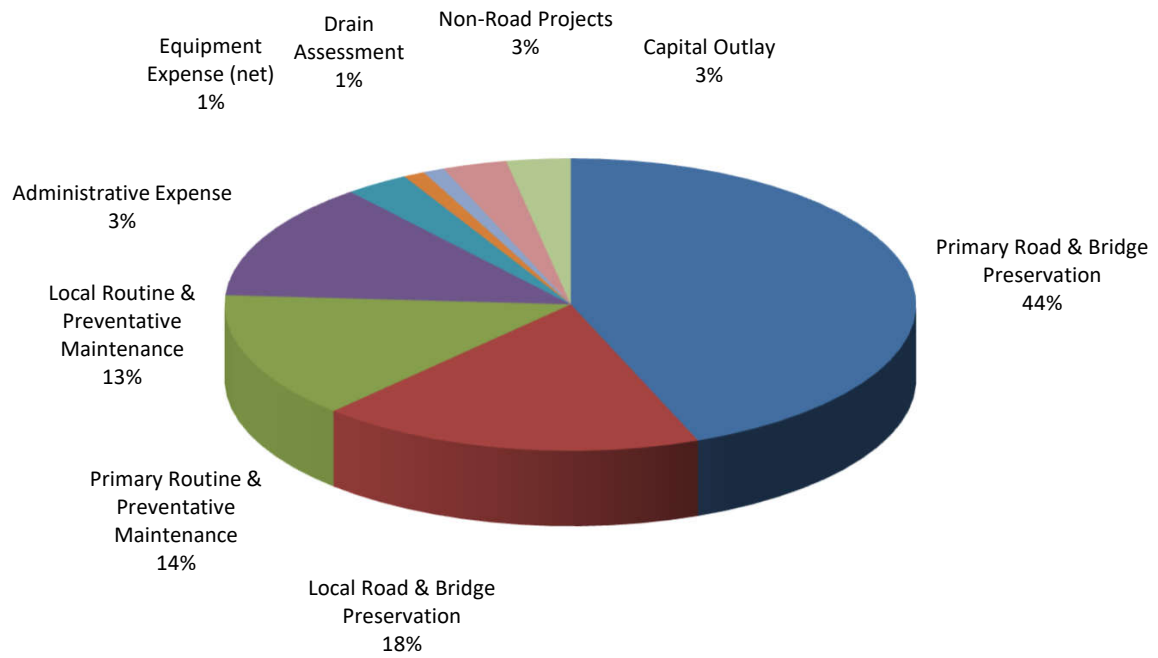
	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
REVENUES					
County-Wide Millage	\$ 3,964,117	\$ 4,088,338	\$ 4,289,816	\$ 4,408,110	\$ 4,566,754
Permit Revenue	87,227	91,186	81,930	95,365	75,000
Intergovernmental:					
Federal Sources	2,503,173	232,133	2,417,537	1,676,552	3,730,900
Michigan Transportation Funds	10,578,775	11,766,271	12,757,871	13,298,859	14,166,049
Other State Sources	193,777	1,235,888	1,862,096	135,817	191,673
Township Contributions	501,944	196,958	772,747	151,142	717,600
Other Local Sources	17,156	24,030	25,204	32,459	-
Charges for Services	1,841	2,437	2,964	281	-
Interest and Rentals	54,245	174,555	213,741	71,584	10,000
Other Revenue	81,629	70,548	72,399	96,890	267,100
Total Revenues	\$ 17,983,884	\$ 17,882,344	\$ 22,496,305	19,967,059	\$ 23,725,076
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
Preservation/Structural Improvements	4,871,913	3,647,030	10,333,681	6,597,945	11,419,273
Routine Maintenance	1,863,465	2,369,967	1,672,063	1,703,984	2,100,000
Preventative Maintenance	1,339,123	883,166	1,548,892	1,334,187	1,200,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	4,459,885	4,867,992	4,182,711	5,160,120	6,206,754
Routine Maintenance	2,758,640	2,814,074	2,971,591	2,946,197	3,300,000
Preventative Maintenance	100	-	-	-	-
Equipment Expense (net)	(19,476)	208,311	202,740	37,464	150,000
Administration (net)	676,992	761,273	741,702	799,076	800,000
Maintenance Service for Other Units	87,482	94,622	76,463	73,970	100,000
Non-Road Projects	-	307	793,933	17,950	-
Capital Outlay (net)	(167,845)	(98,577)	637,685	129,676	1,210,248
Debt Service	517,225	516,085	-	-	-
Drain Assessment	242,576	276,584	199,547	218,789	300,000
Total Expenditures	\$ 16,630,080	\$ 16,340,834	\$ 23,361,008	\$ 19,019,359	\$ 26,786,275
Net Revenues (Expenditures)	1,353,804	1,541,510	(864,703)	947,700	(3,061,199)
Fund Balance at Beginning of Year	5,876,078	7,229,882	8,771,392	7,906,689	8,854,389
Fund Balance at End of Year	\$ 7,229,882	\$ 8,771,392	\$ 7,906,689	\$ 8,854,389	\$ 5,793,190

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REVENUE

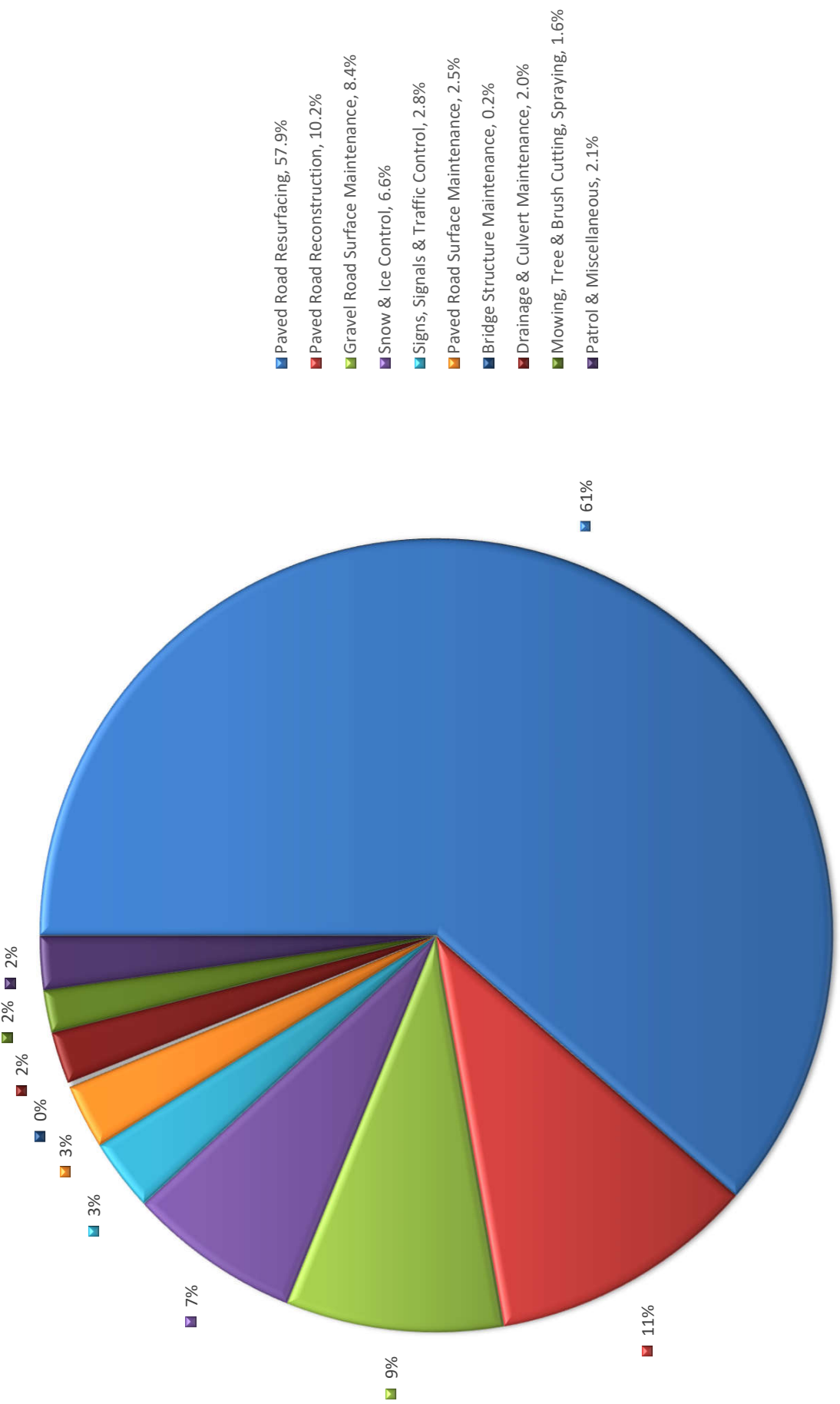


EXPENDITURES

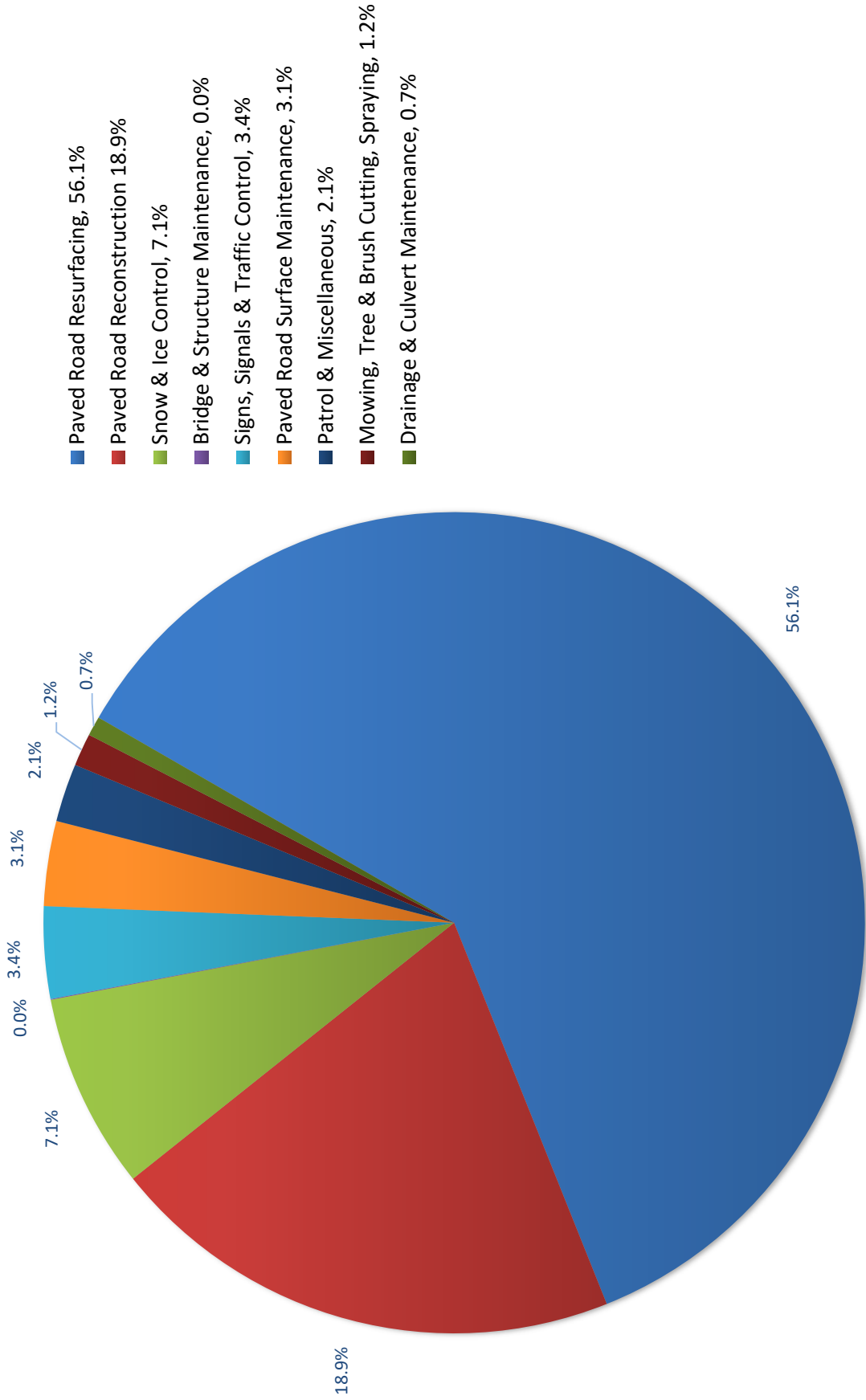


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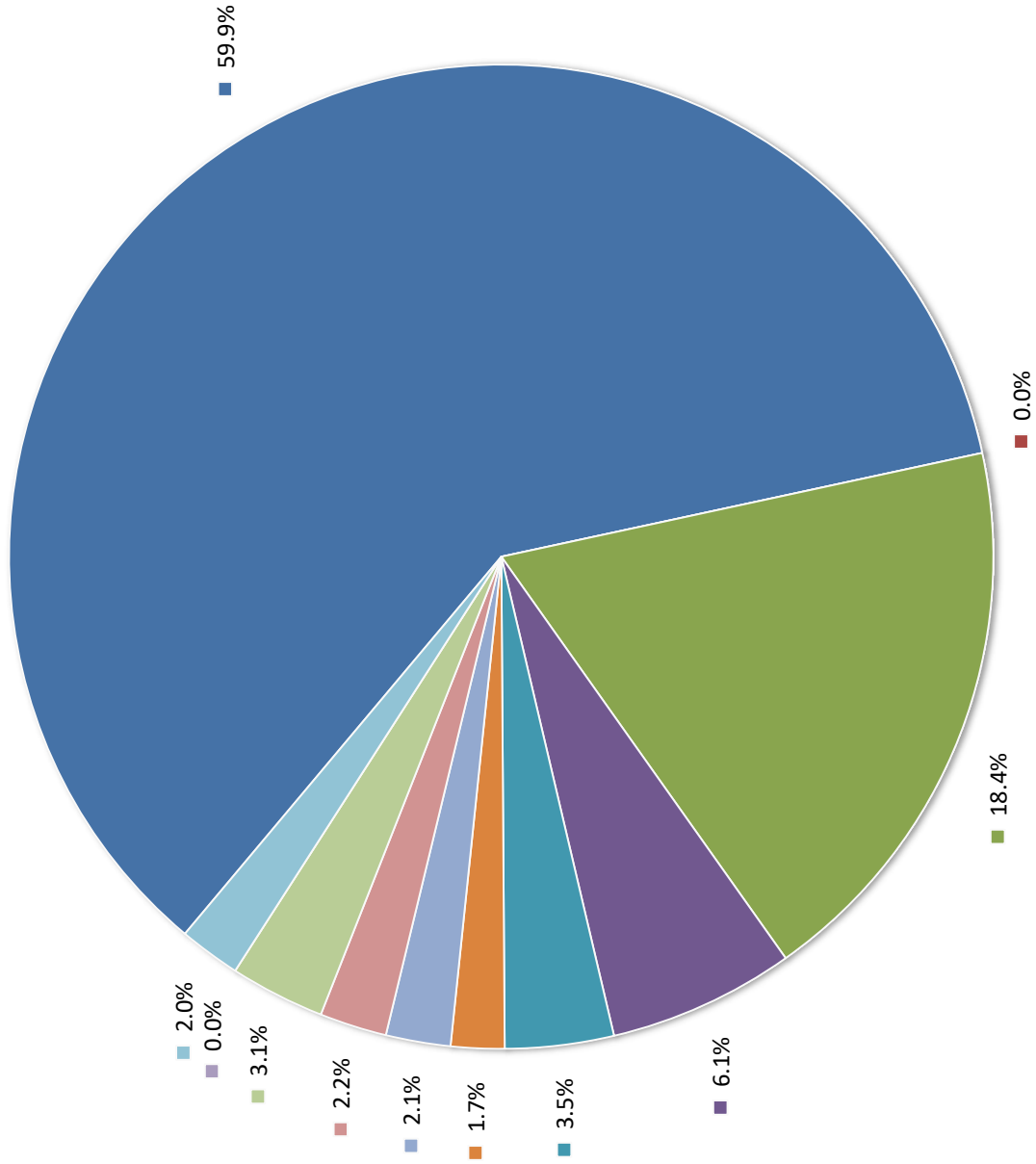
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



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2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	6,597,945
Total Preventative Maintenance Projects	<u>1,334,187</u>
Total Primary Road and Bridge Projects	<u><u>7,932,132</u></u>

Local Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	5,160,120
Total Preventative Maintenance Projects	<u>14,535</u>
Total Local Road and Bridge Projects	<u><u>5,174,654</u></u>

Grand Total	<u><u>13,106,786</u></u>
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2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 22,532

Local Roads:

Local Road Millage Regravel:

Babcock Rd, W Baseline Hwy to Sherwood Hwy	1.27 mi	24,772
Cook Rd, W Butterfield Hwy to Sherwood Hwy	0.55 mi	10,768
Sherwood Hwy, Hall Rd to Twp Line	2.04 mi	41,495

Bellevue Township Total	99,566
Bellevue Township Contributions	-

BENTON TOWNSHIP

Primary Roads:

Bridge Replacement:

Vermontville Hwy Bridge (2021) 19,292

Sealcoat:

Billwood Hwy, Hartel Rd to Royston Rd	1.00 mi	29,404
Lansing Rd, Kinsel Hwy to Nelson St	2.63 mi	131,142
Lansing Rd, Main St to Royston Rd	0.68 mi	61,057
Windsor Hwy, M-100 to Royston Rd	0.99 mi	40,162

Final Expenditures for Prior Year Projects 13,923

Initial Expenditures for Future Projects 172

Local Roads:

Culvert Replacement:

Pinch Hwy - Over Schrontz Ext Drain 14,314

Final Expenditures for Prior Year Projects 5,006

Benton Township Total	314,473
Benton Township Contributions	3,910

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BROOKFIELD TOWNSHIP

Primary Roads:

Sealcoating:

Narrow Lake Rd, Bellevue to Five Point Hwy	4.06 mi	79,063
<i>Final Expenditures for Prior Year Projects</i>		3,521

Local Roads:

Local Road Millage Paved Road Resurface:

Spicerville Hwy, Cochran Rd to Sherman Rd	0.99 mi	186,514
<i>Final Expenditures for Prior Year Projects</i>		225

Brookfield Township Total

269,323

Brookfield Township Contributions

-

CARMEL TOWNSHIP

Primary Roads:

Crush, Shape, Resurface

Ainger Rd, Five Point Hwy to Kalamo	2.01 mi	160,318
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Asphalt Overlay:

Courthouse Dr, M-50 to Independence	0.51 mi	172,648
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Rehabilitate:

Battle Creek Rd, Carlisle Hwy to Five Point Hwy	4.04 mi	65,814
<i>Final Expenditures for Prior Year Projects</i>		7,924

Local Roads:

Culvert Replacement:

Cole Rd over the Cole Drain		7,295
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Local Road Millage Paved Road Resurface:

N. Bradley Rd, W Lawrence Hwy to Valley Hwy	1.01 mi	97,018
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Carmel Township Total

511,016

Carmel Township Contributions

-

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CHESTER TOWNSHIP

Local Roads:

Local Road Millage Regravel:

Lamie Hwy, N Chester Rd to Stine Rd	1.00 mi	20,215
Mulliken Rd, Lamie Hwy to W Vermontville Hwy	1.08 mi	21,875
N Bradley Rd, Lamie Hwy to W Vermontville Hwy	1.01 mi	23,500
N Stine Rd, W Kinsel Hwy to Lamie Hwy	1.01 mi	21,904

Chester Township Total

87,493

Chester Township Contributions

-

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mall Drive South, Michigan Ave to M-43	0.50 mi	153,094
Canal Rd, St Joe Hwy to 180' N of Westshire	0.83 mi	254,381
Mt Hope Hwy, Canal Rd West to Bridge Approach	0.25 mi	78,349
Nixon Rd, Abbey Ln to M-43	0.48 mi	113,868

Full Depth Reclamation and Asphalt Resurface:

Mall Dr West, M-43 to Elmwood Rd	0.75 mi	563,868
Michigan Ave, Resurface and Lane Conversion	1.88 mi	112,944

Sealcoating:

Broadbent, St Joe Hwy to M-43	1.00 mi	22,572
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Final Expenditures for Prior Year Projects 3,913

Initial Expenditures for Future Projects 113,086

Local Roads:

Local Road Millage Paved Road Resurface:

Aspen Dr, Powderhorn Dr to Sow Rd	0.21 mi	42,116
Birchwood Way, Boxwood Lane to Elmwood Rd	0.22 mi	35,948
Clearview Ave, Edmund Way to Grandwoods Dr	0.16 mi	32,556
Durango Dr, Otter Dr to Chimneyrock Dr	0.27 mi	30,446
Dutch Hill Dr, E St Joe Hwy to Omar St	0.27 mi	75,262
Edmund Way, Willow Hwy to River Ridge Dr	0.12 mi	16,417
Elmwood Rd, Willow Hwy to Greenbriar Rd	0.13 mi	19,497
Fairbanks Dr, Powderhorn Dr to Durnago Dr	0.17 mi	27,496
Grand Woods Dr, Willow Hwy to Dead end	0.47 mi	111,714
Greenbriar Rd, Holiday Ln to Elmwood Rd	0.15 mi	28,522
Holiday Ln, Willow Hwy to River Ridge Dr	0.23 mi	38,390
Jade Dr, Dutch Hill Dr to Omar St	0.21 mi	39,987
Malta Circle, Dutch Hill Dr to Dead end	0.04 mi	15,005
Moultrie Cir, Dutch Hill Dr to Dead end	0.06 mi	16,985
Omar St, Dutch Hill Dr to Jade Dr	0.11 mi	23,436
Otter Dr, South Fork Cir to Durango Dr	0.14 mi	24,669
Powderhorn Dr, South Fork Cir to E St Joe Hwy	0.39 mi	45,226
River Ct, River Ridge Dr to Dead end	0.04 mi	16,309
River Ridge Dr, Boswood Ln to Grandwoods Park Dr	0.86 mi	180,259
Wayland Dr, River Ridge Dr to Grandwoods Dr	0.11 mi	22,763

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP

*2019 Local Road Millage Paved Road Resurface:
Completed in FY 2020*

Applewood Dr, Plum Hollow to Berrywood	0.25 mi	72,634
Barton Rd, Waverly to its end	0.62 mi	154,205
Bentwood Dr, Fieldcrest Dr to Blackberry Ln	0.09 mi	22,200
Berrywood Pl, Applewood to its end	0.03 mi	14,312
Blackberry Ln, Sherwood to Barton	0.40 mi	59,732
Blanche Ave, Dibble Ave to Waverly Rd	0.13 mi	22,146
Chanticleer Trl, Farmstead Ln to Green Meadows Dr	0.46 mi	87,639
Dorene Dr, Elmwood Rd to its end	0.09 mi	23,032
Farmstead Ln, St Joe Hwy to Chanticleer Trl	0.44 mi	97,261
Fieldcrest Dr, Maycroft Rd to Bentwood Dr	0.17 mi	34,811
Grape Arbor Ln, Elmwood to Lotipac Pl	0.22 mi	38,795
Green Meadows Dr, Farmstead Ln to Kenway Dr	0.37 mi	75,107
Hume Blvd, St Joe Hwy to its end	0.49 mi	105,185
Kenilworth Dr, Fieldcrest Dr to Blackberry Ln	0.10 mi	17,541
Kenway Dr, St Joe Hwy to Green Meadows Dr	0.50 mi	88,125
Lotipac Pl, Palisade Dr to Grape Arbor Ln	0.06 mi	21,444
MarMoor Dr, Willow Hwy to Waverly Rd	0.67 mi	89,799
Maycroft Rd, Arden Rd to Sherwood Ln	0.11 mi	64,058
Otis Ave, Dibble Ave to Waverly Rd	0.13 mi	25,172
Palisade Dr, Spearberry Ln to Lotipac Pl	0.10 mi	26,790
Plum Hollow Dr, Elmwood Rd to Maycroft Rd	0.28 mi	74,359
Shady Hill Lane, Willow Hwy to Barton Dr	0.25 mi	46,744
Shannon Lane, Fieldcrest to Blackberry Ln	0.11 mi	62,447
Sherwood Lane, Blackberry to its end	0.04 mi	17,780
Spearberry Ln, Plum Hollow to Palisade Dr	0.06 mi	15,796
<i>Final Expenditures for Prior Year Projects</i>		28,643
<i>Initial Expenditures for Future Projects</i>		39,757

Delta Township Total

3,584,590

Delta Township Contributions

133,294

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Island Hwy, Hartel Rd to Royston Rd	1.01 mi	140,711
Packard Hwy, Stewart Rd to Otto Rd	1.50 mi	208,904

Crush, Shape, Asphalt Resurface:

Otto Rd, Packard Hwy to Lansing Rd	0.43 mi	79,647
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Sealcoating:

Island Hwy, Hartel Rd to Royston Rd	1.01 mi	32,025
Lansing Rd, Otto Hwy to Kinsel Hwy	0.78 mi	63,200
Narrow Lake Rd, Five Pt Hwy to Mills	1.01 mi	19,667

Final Expenditures for Prior Year Projects 12,020

Local Roads:

Local Road Millage Paved Road Resurface:

Fairview Hwy, Otto Rd to 1700 Ft West	0.32 mi	49,231
S Stewart Rd, Mills Hwy to E Clinton Trl	2.01 mi	215,992

Final Expenditures for Prior Year Projects 2,991

Eaton Township Total

824,386

Eaton Township Contributions

-

EATON RAPIDS TOWNSHIP

Primary Roads:

Asphalt Resurface:

Island Hwy, Royston Rd to Smith Rd	3.97 mi	552,617
Smith Rd, Island Hwy to Columbia Hwy	1.00 mi	157,175

Sealcoating:

Columbia Hwy, Smith Rd to Waverly Rd	1.90 mi	51,041
Island Hwy, Royston Rd to Smith Rd	3.98 mi	126,201
Smith Rd, Island Hwy to Columbia Hwy	1.00 mi	26,433

Local Roads:

Local Road Millage Paved Road Resurface:

Arch Rd, Barnes Rd to Toles Rd	1.00 mi	104,254
Columbia Hwy, Gunnell to Canal	1.00 mi	133,617

Eaton Rapids Township Total

1,151,338

Eaton Rapids Township Contributions

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2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Structural Improvements/Culvert Replacement:

Royston Rd, over Mills and Post Drain		155,552
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Sealcoat:

Kinneville Hwy, Eaton Rapid City Limits to Waverly Rd	3.20 mi	61,593
Waverly Rd, Bellevue to M-188	1.50 mi	29,651

<i>Final Expenditures for Prior Year Projects</i>		1,234
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Local Roads:

Local Road Millage Paved Road Resurface:

Smithville Rd, Plains Rd to VFW	1.00 mi	126,676
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Local Road Millage Regravel:

Hale Hwy, Kinneville Rd to Tucker Rd	0.46 mi	8,528
Hogsback Rd, E Spicerville Hwy to City/Twp Line	0.62 mi	10,823
Taylor Rd, Tucker Rd to VFW Hwy	0.29 mi	5,521
Tucker Rd, Kinneville Rd to VFW Hwy	1.22 mi	24,037

Hamlin Township Total		423,615
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Hamlin Township Contributions		4,167
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KALAMO TOWNSHIP

Primary Roads:

Crush, Shape & Asphalt Resurface:

Ionia Rd, M-79 to Kinsel	2.02 mi	403,118
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Sealcoating:

Kalamo Hwy, Curtis Rd to Ionia Rd	3.02 mi	15,514
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<i>Final Expenditures for Prior Year Projects</i>		15,012
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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, S Ionia Rd to Perry Rd	1.00 mi	112,460
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<i>Final Expenditures for Prior Year Projects</i>		366
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Kalamo Township Total		548,587
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Kalamo Township Contributions		-
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2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ONEIDA TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 2,241

Local Roads:

Local Road Millage Paved Road Resurface:

Austin Way-St Joe Hwy to Its end	0.16 mi	21,216
E Strange Hwy, Benton Rd to Oneida Rd	2.00 mi	132,672

Final Expenditures for Prior Year Projects 3,110

Oneida Township Total 159,239

Oneida Township Contributions -

ROXAND TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mt Hope Hwy, Dow Rd to Cochran Rd	6.08 mi	54,464
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Local Roads:

Culvert Replacement:

Boyer Rd, Over Parker Ext Drain		10,241
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Local Road Millage Paved Road Resurface:

St Joe Hwy, West to Section line to Mulliken Rd	1.01 mi	133,930
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Final Expenditures for Prior Year Projects: 10,721

Initial Expenditures for Future Year Projects: 823

Roxand Township Total 210,180

Roxand Township Contributions 4,135

2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUNFIELD TOWNSHIP

Primary Roads:

Asphalt Resurface:

Mt Hope Hwy, M-50 to Dow Rd	1.56 mi	47,229
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Bridge/Structural Improvements:

Mt Hope Hwy Bridge over Sebawa Creek-Replace		534,450
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Sealcoat:

Dow Rd, M-43 to Eaton Hwy	1.07 mi	32,726
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Ionia Rd, Kelly Hwy to Mt Hope Hwy	2.01 mi	43,330
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Final Expenditures for Prior Year Projects		4,798
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Local Roads:

Local Road Millage Crush, Shape, Asphalt Surface

Granger Hwy, Brown Rd to Dow Rd	1.99 mi	285,317
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Final Expenditures for Prior Year Projects		16,543
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Sunfield Township Total

		<u>964,393</u>
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Sunfield Township Contributions

		<u>-</u>
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VERMONTVILLE TOWNSHIP

Primary Roads:

Sealcoat:

Ionia Rd, Lake to Kelly	1.00 mi	21,555
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Nashville Hwy, Curtis Rd to Ionia Rd	2.62 mi	15,063
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Vermontville Hwy, Vermontville City Limit to Hager Rd	2.37 mi	39,419
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Local Roads:

Culvert Replacement:

Pease Rd Culvert extension, North of Kinsel		16,017
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Local Road Millage Regravel:

Shaytown Rd, Kinsel Hwy to Vermontville Hwy	2.00 mi	15,154
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Final Expenditures for Prior Year Projects		953
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Initial Expenditures for Future Projects		92
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Vermontville Township Total

		<u>108,254</u>
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Vermontville Township Contributions

		<u>5,636</u>
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2019-2020

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WALTON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Battle Creek Hwy, Five Pt Hwy to Twp Line	3.50 mi	1,450,809
Ainger Rd, Battle Creek Hwy to Five Pt Hwy	1.39 mi	124,545
Final Expenditures for Prior Year Projects		1,656

Local Roads:

Local Road Millage Paved Road Resurface:

S Bradley Rd, Spicerville Hwy to Five Pt Hwy	1.01 mi	131,318
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Local Road Millage Regravel:

Sherwood Hwy, Twp line to Hall Rd	0.16 mi	2,907
Final Expenditures for Prior Year Projects		16

Walton Township Total

1,711,251

Walton Township Contributions

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WINDSOR TOWNSHIP

Primary Roads:

Asphalt Resurface:

Bishop Hwy, Creyts Rd to Waverly Rd	1.99 mi	344,615
Creyts Rd, Lansing to Dimondale Village Limit	1.83 mi	583,676
Smith Rd, Vermontville Hwy to Dimondale VL	1.05 mi	0

Sealcoat:

Billwood Hwy, Royston Rd to Canal Rd	2.90 mi	85,277
Guinea, Billwood Hwy to Davis Hwy	0.96 mi	31,025
Lansing Rd, Royston Rd to I-69 Ramp	2.30 mi	206,504
Windsor Hwy, Royston Rd to Lansing Rd	1.00 mi	39,396

Local Roads:

Local Road Millage Paved Road Resurface:

Gunnell Rd, Stub Hwy to Vermontville Hwy	1.50 mi	208,423
Nixon Rd, Rossman Hwy to W Vermontville Hwy	1.00 mi	139,797
Pray Rd, E Kinsel Hwy to Rossman Hwy	1.00 mi	140,743
Rossman Hwy, Gunnell Rd to Canal	1.00 mi	148,350
Rossman Hwy, Pray Rd to Nixion Rd	0.25 mi	56,169
Rossman Hwy, Smith to M-99	1.00 mi	144,293

Windsor Township Total

2,128,269

Windsor Township Contributions

-

2019-2020 PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 192,014	18.40	\$ 10,436
Benton	171,180	28.13	6,085
Brookfield	198,458	18.33	10,827
Carmel	174,284	23.36	7,461
Chester	207,047	13.70	15,113
Delta	256,011	55.85	4,584
Eaton	149,297	25.99	5,744
Eaton Rapids	187,910	24.09	7,800
Hamlin	158,250	26.47	5,978
Kalamo	197,124	18.30	10,772
Oneida	142,253	23.51	6,051
Roxand	141,494	20.72	6,829
Sunfield	182,268	22.80	7,994
Vermontville	204,811	17.51	11,697
Walton	168,351	23.08	7,294
Windsor	200,911	31.54	6,370
Total Primary Maintenance	\$ 2,931,663	391.78	\$ 7,483

2019-2020 LOCAL ROAD ROUTINE MAINTENANCE

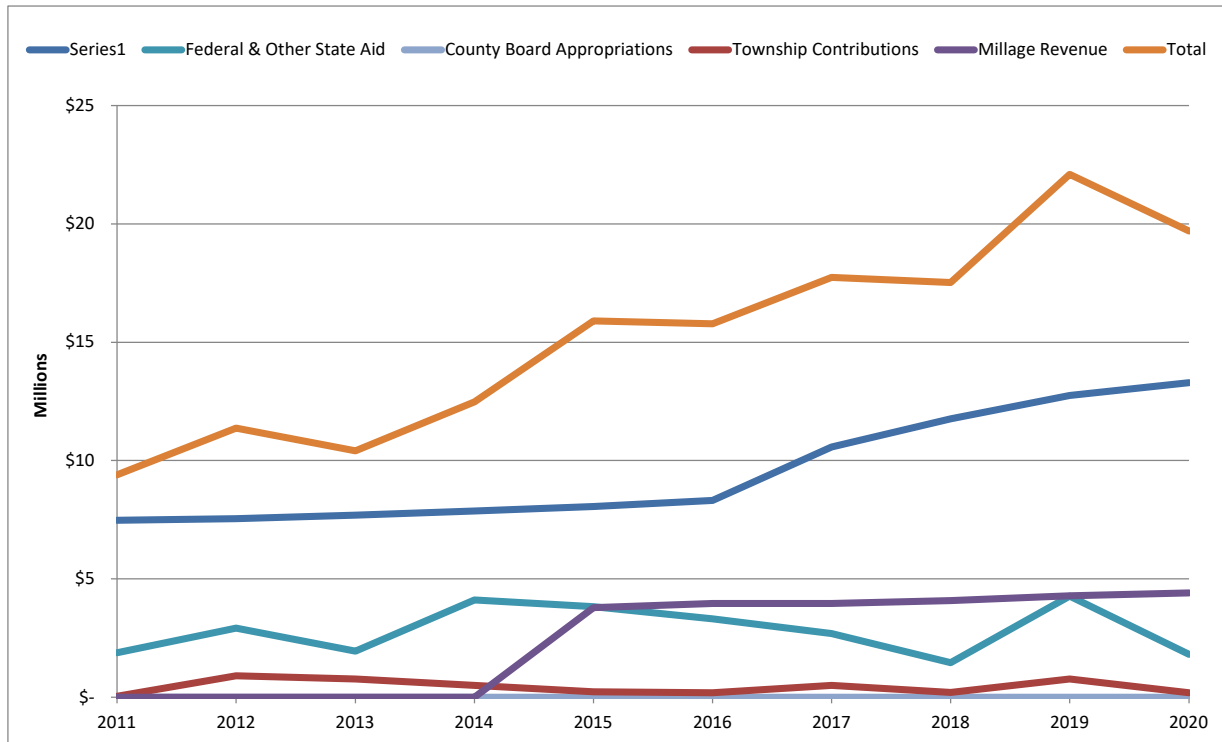
SUMMARY BY TOWNSHIP

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

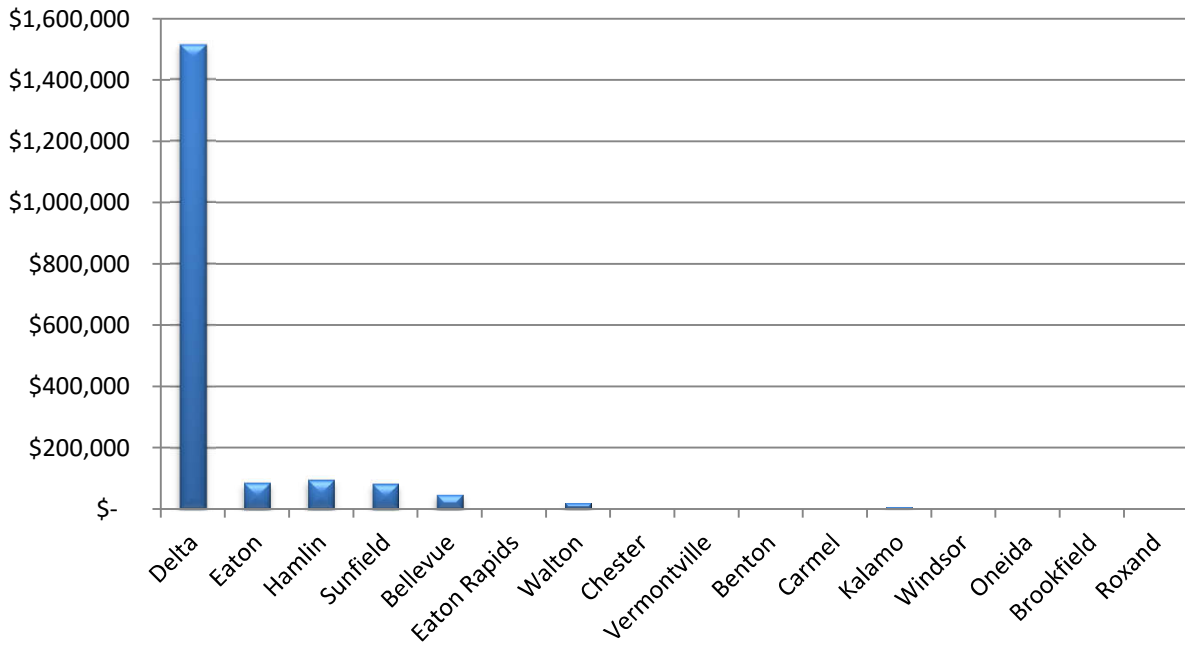
TEN YEAR HISTORY

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

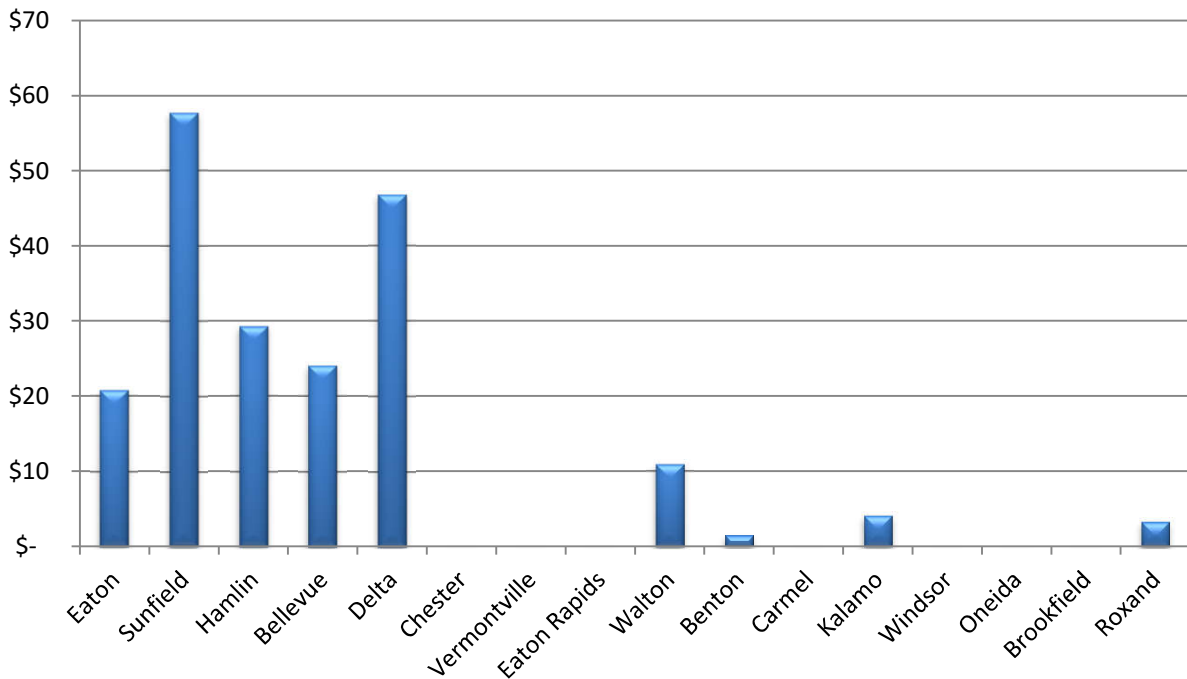
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2011	7,475,999	1,877,891	-	42,128	-	9,396,018	0.6%
2012	7,545,228	2,920,113	-	902,228	-	11,367,569	12.0%
2013	7,695,041	1,943,833	-	773,359	-	10,412,233	10.1%
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%
2020	13,298,859	1,812,368	-	183,601	4,408,110	19,702,939	1.4%

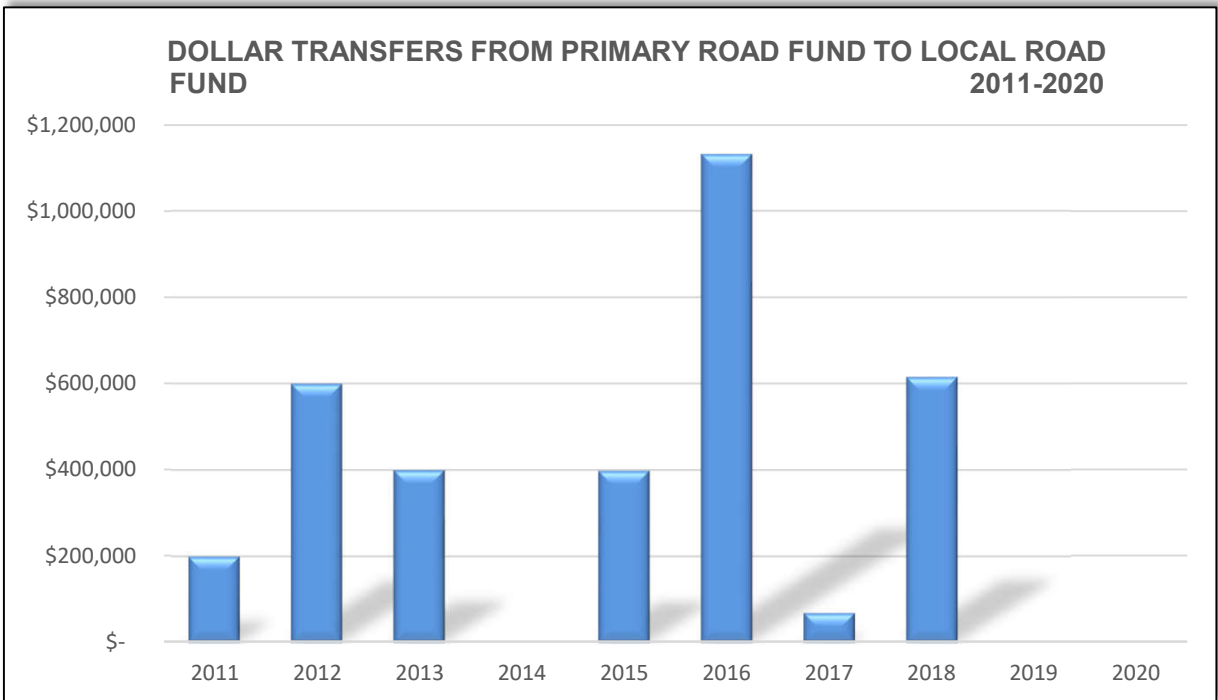
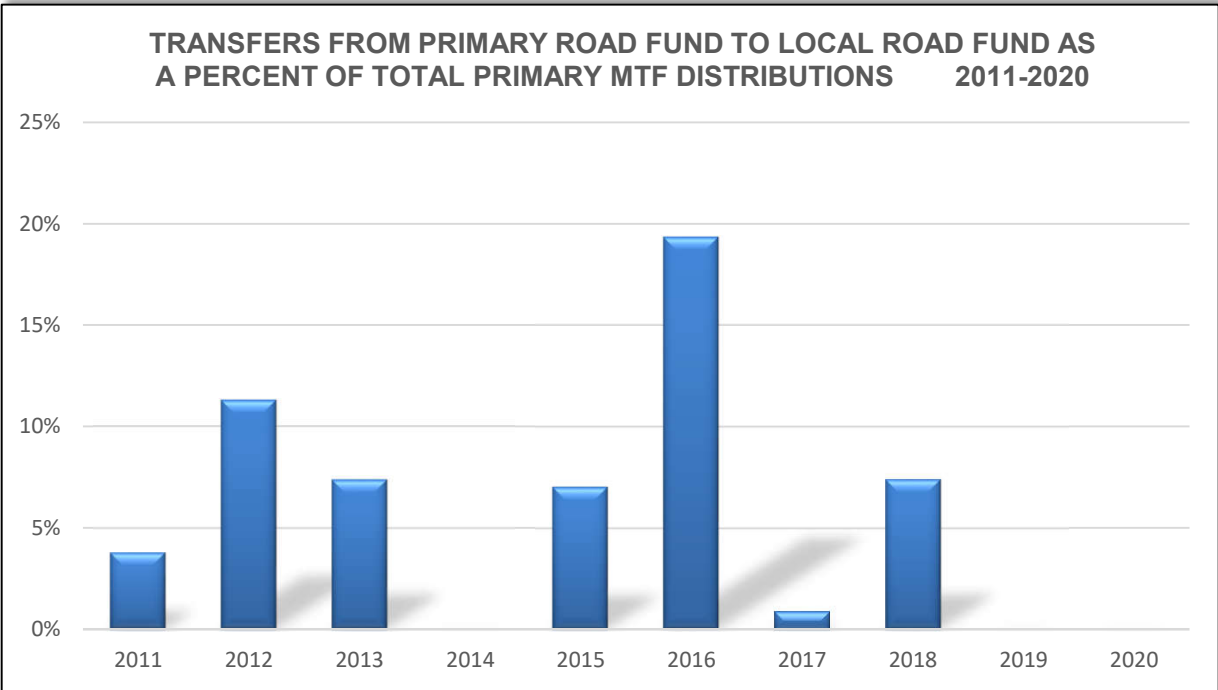


Five Year Township Contributions by Dollar to Primary and Local Roads



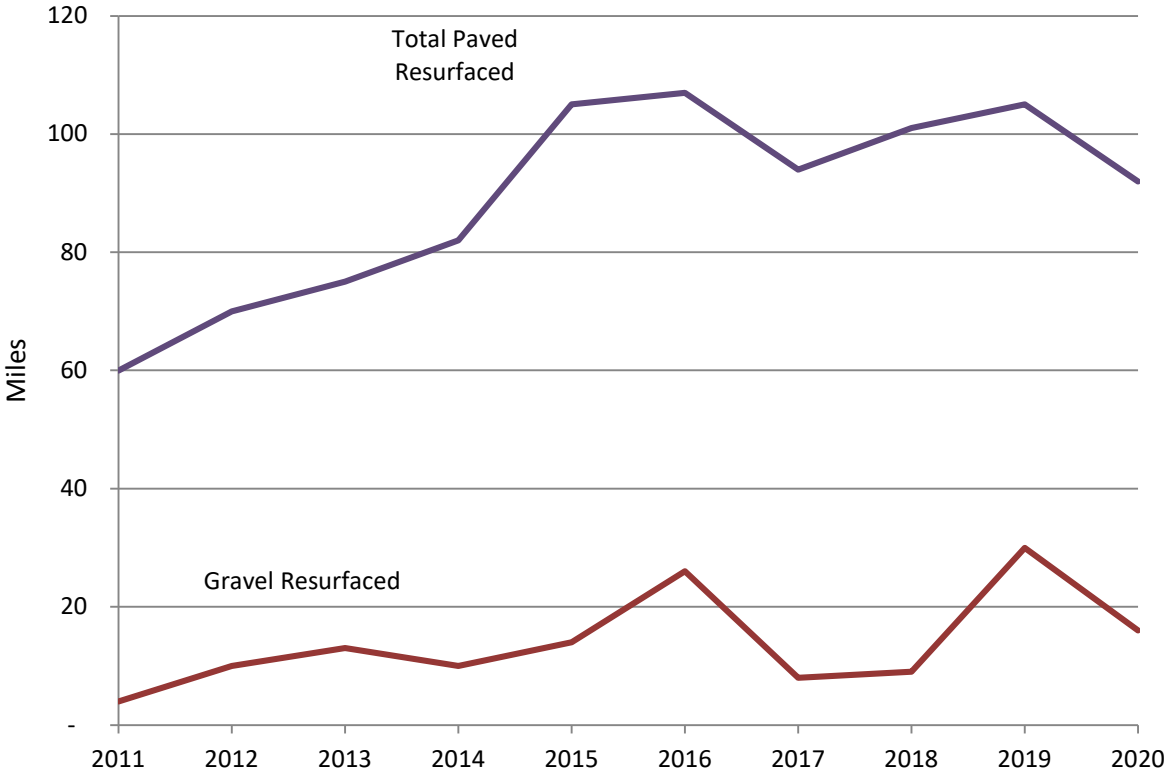
Five Year Township Contributions Per Capita to Primary and Local Roads





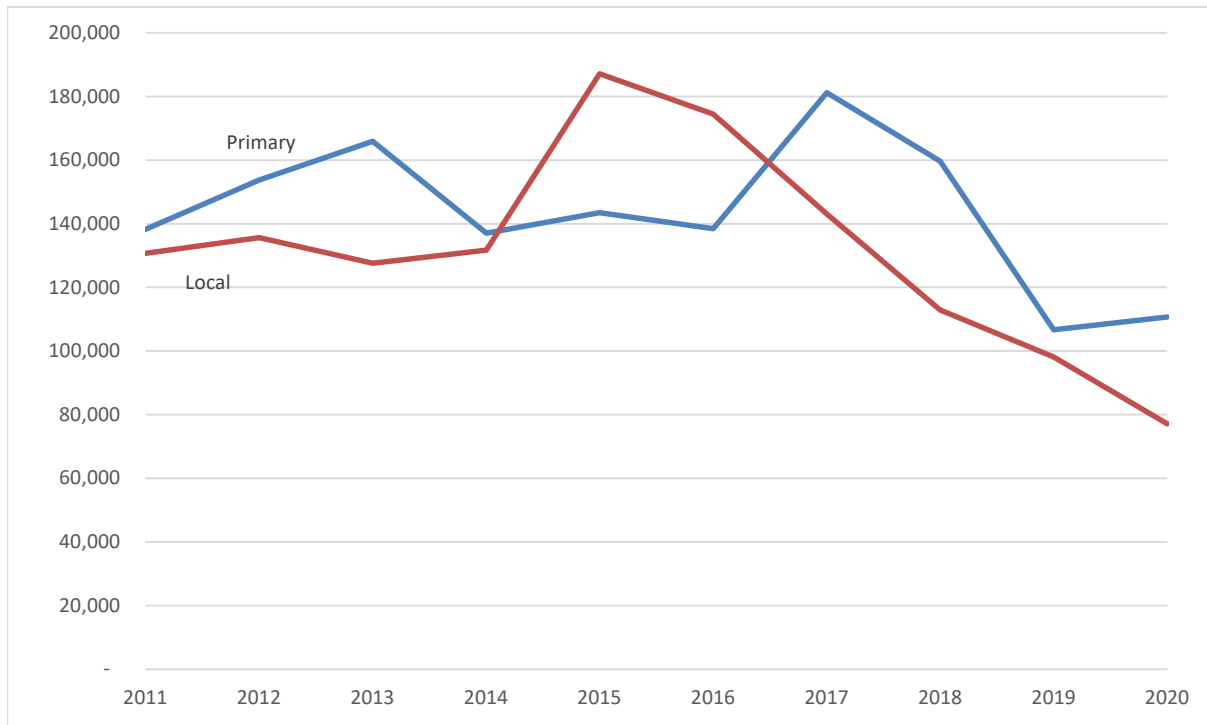
TEN YEAR HISTORY ROAD RESURFACING

<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>
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
2020	66	26	92	16

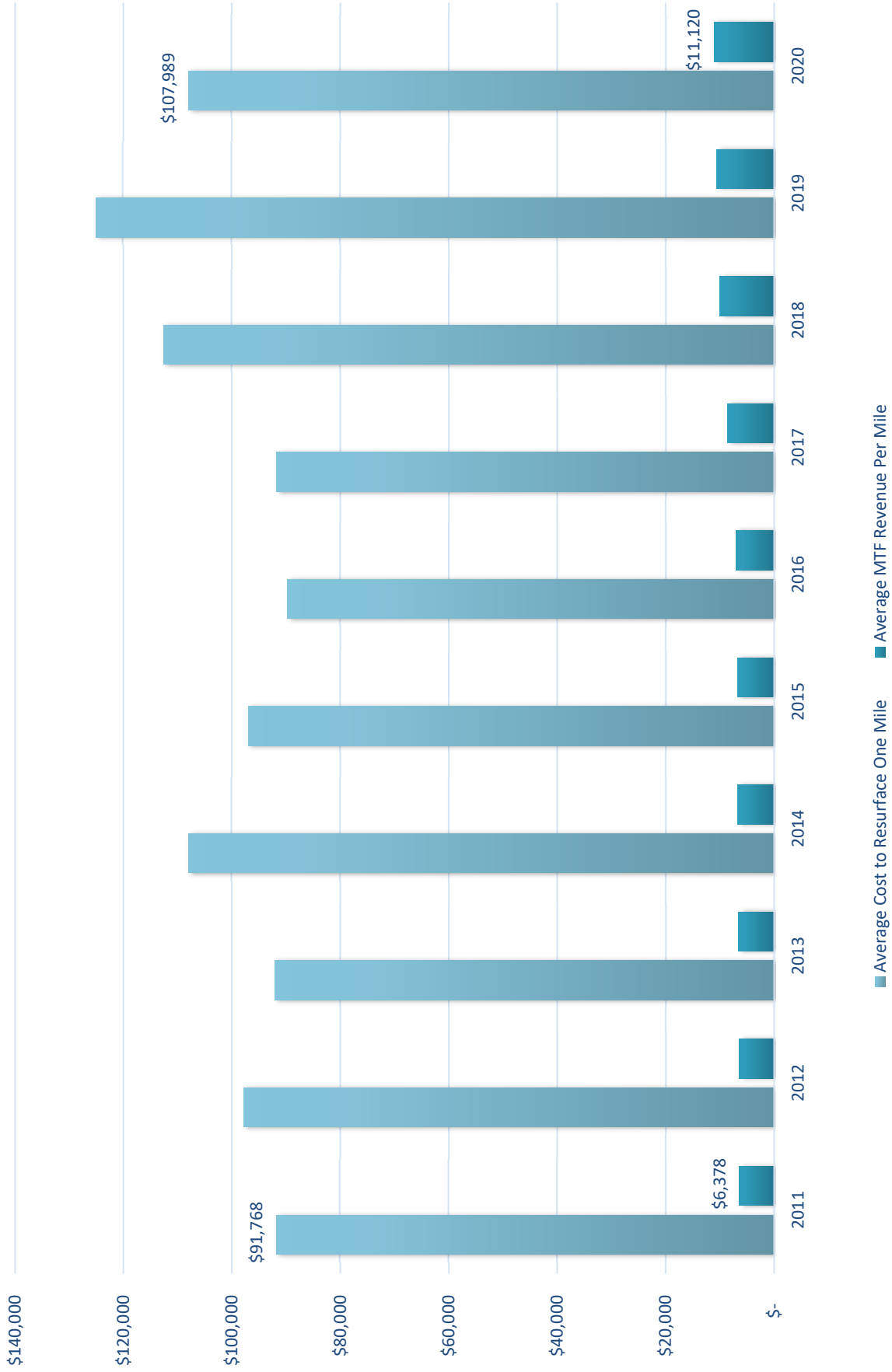


ANNUAL POTHOLE PATCHING COSTS

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
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
2020	168	150	318	110,675	77,146	187,821	282	274	591



PAVING COST TRENDS PER MILE



SUMMARY OF PERMIT DEPARTMENT OPERATIONS

Permit Type	Number Issued	Amount Collected
Annual Permits/Cab Cards	280	
Single Move Permits	394	
Driveway Permits	149	
Utility Permits	262	
Building Move Permits	-	
Tap In Permits	1	
Road Bore	70	
		\$ 80,165
Highway Permits/Bituminous Road Cuts	38	\$ 15,200
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	56	
Total Permit Fees Collected		\$ 95,365

2019-2020 CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Miscellaneous Building Repairs and Improvements	<u>9,895</u>
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Total Building and Yard & Storage	<u>\$ 9,895</u>
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Road Equipment

2 Freightliner Tandem Truck (equipment)	\$ 447,478
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2 Tandem Axle Truck Chassis Only	228,730
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1 Boom Brush Mower and Tractor	121,600
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1 Bituminous Distributor rebuilt equipment	45,397
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Miscellaneous Road Equipment and Repair	<u>27,413</u>
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Total Road Equipment	<u>\$ 870,618</u>
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Engineering Equipment

GPS Survey Equipment	<u>\$ 9,775</u>
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Total Engineering Equipment	<u>\$ 9,775</u>
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Total 2019-2020 Capital Outlay	<u>\$ 890,288</u>
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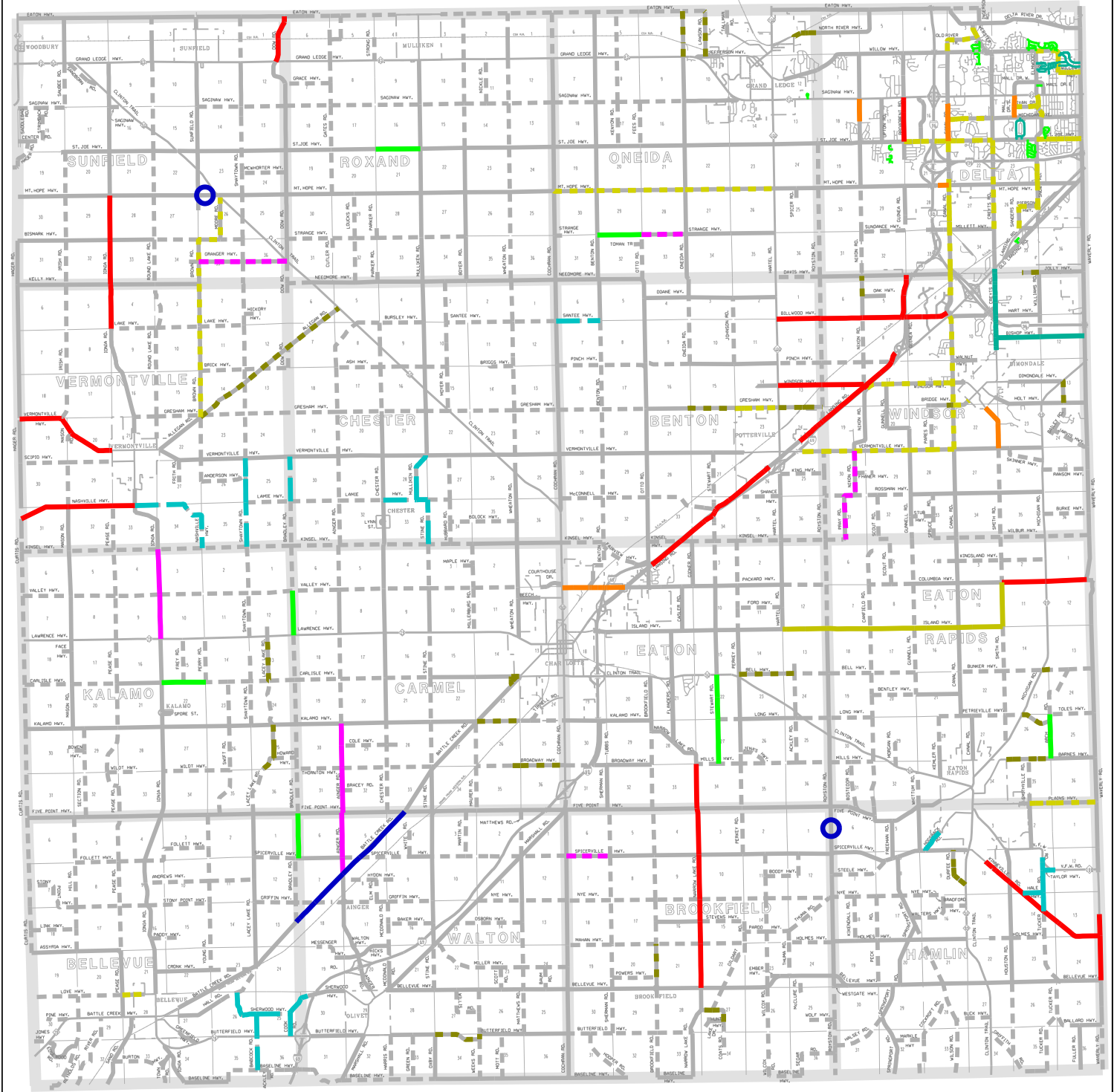
STATUS OF ROAD MILEAGE JANUARY 1, 2021

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					
Belleuve	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	98.01	0.98	112.56	168.41	160.50	95.30%	7.91
Eaton	25.99	-	25.99	19.28	18.72	4.22	-	42.22	68.21	49.49	72.56%	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	10.81	0.30	51.77	83.31	57.21	68.67%	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 CALENDAR YEAR 2020 PROJECTS

REVISION DATE: 03-04-21

- ASPHALT OVERLAY - PRIMARY (9.0 miles)
- ASPHALT OVERLAY - MILLAGE / LOCAL (20.7 miles)
- ASPHALT OVERLAY - CRUSH AND SHAPE - PRIMARY (5.4 miles)
- - - ASPHALT OVERLAY - CRUSH AND SHAPE - LOCAL (6.2 miles)
- SINGLE SEAL AND FOG (39.4 miles)
- JOINT REPAIR AND RESURFACE - FEDERAL AID (3.5 miles)
- - - REGRAVEL - MILLAGE / LOCAL (16.1 miles)
- SAMI + ASPHALT OVERLAY (6.0 miles)
- - - PRIMARY OVERBAND CRACK FILL (37.3 miles)
- - - LOCAL OVERBAND CRACK FILL (21.5 miles)
- 2019 CARRY OVER ASPHALT OVERLAY
- BRIDGE / CULVERT PROJECT



EATON COUNTY ROAD COMMISSION

URBAN AREA

2020 COMPLETED PROJECTS

REVISION DATE: 03-04-21

- ASPHALT OVERLAY - PRIMARY
- ASPHALT OVERLAY - MILLAGE / LOCAL
- 2019 CARRY OVER ASPHALT OVERLAY
- - - PRIMARY OVERBAND CRACK FILL
- - - LOCAL OVERBAND CRACK FILL
- SINGLE SEAL AND FOG

