



Eaton County
Road Commission

2020-2021
Supplemental Annual Report



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

www.eatoncountyroad.com

Version 2-9

SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2020 – SEPTEMBER 30, 2021

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

LOUANNA L. LAWSON, FINANCE DIRECTOR

TABLE OF CONTENTS

Introduction	1
Organizational Chart	3
Financial Summary	4
Illustration of Revenues and Expenses	5
Illustration of Overall Primary and Local Road and Bridge Expenditures	6
Illustration of Primary Road and Bridge Expenditures	7
Illustration of Local Road and Bridge Expenditures	8
Summary of 2020-2021 Road Improvement Projects	9
Tabulation by Township of 2020-2021 Road Improvement Projects	10
Primary Maintenance Cost - Summary by Township	21
Local Maintenance Cost - Summary by Township	22
Ten Year History of MTF Revenue, Township Contributions and County Board Appropriations	23
Five Year Township Contributions by Dollar and Per Capita	24
Primary Road Fund Transfers to Local Road Fund 2012-2021	25
Ten Year History of Road Resurfacing	26
History of Annual Pothole Patching Costs	27
Paving Cost Trends	28
Summary of Permit Department Operations	29
Capital Outlay Detail	30
Status of Road Mileage on January 1, 2022	31

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 110 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 2020-2021 equaled 53% of the total expenditures for road maintenance and construction.

On Primary Roads in 2021, the Road Commission was able to use funding from the Michigan Transportation Fund (MTF) to resurface 16 miles of Primary Roads using hot mix asphalt and placed a new sealcoat surface on an additional 46 miles. Using federal USTP grant funds with matching funds from Delta charter township the Road Commission completed a \$1,600,000

project to reconstruct, resurface, widen and add turning lanes on Mt. Hope Highway from Nixon Road to the I-96/I-69 overpass. State TEDF grant funds with contributions from Auto-Owners Insurance totaling \$253,000 were used to install a center left turn lane on Creyts Road from the south I-496 ramp to the entrance of the new Auto-Owners south office complex.

One Primary Road bridge was replaced in 2021 on Vermontville Highway near Stewart Road over the Big Thornapple Drain. A grant from the State and Federal Critical Bridge Program provided 95% of the funds on the \$1,104,000 project.

On Local Roads, 2021 marked the 7th year of the 12-year road rehabilitation program funded by the county-wide road millage. The Road Commission repaired and resurfaced 22 miles of paved Local roads and re-graded and re-graveled 25 miles of unimproved Local roads in 2021 using millage funds supplemented with state MTF revenue. While the completed millage program projects are noted in the following pages, a supplemental multi-year report regarding the millage program is available separately.

No Local Road bridges were replaced in 2021, but in excess of 70 crossroad culverts of various sizes on Local Roads were replaced where needed to maintain traffic on Local Roads, in conjunction with Local Road resurfacing projects, or as requested through cost sharing agreements with Township boards as noted in the township section of this report.

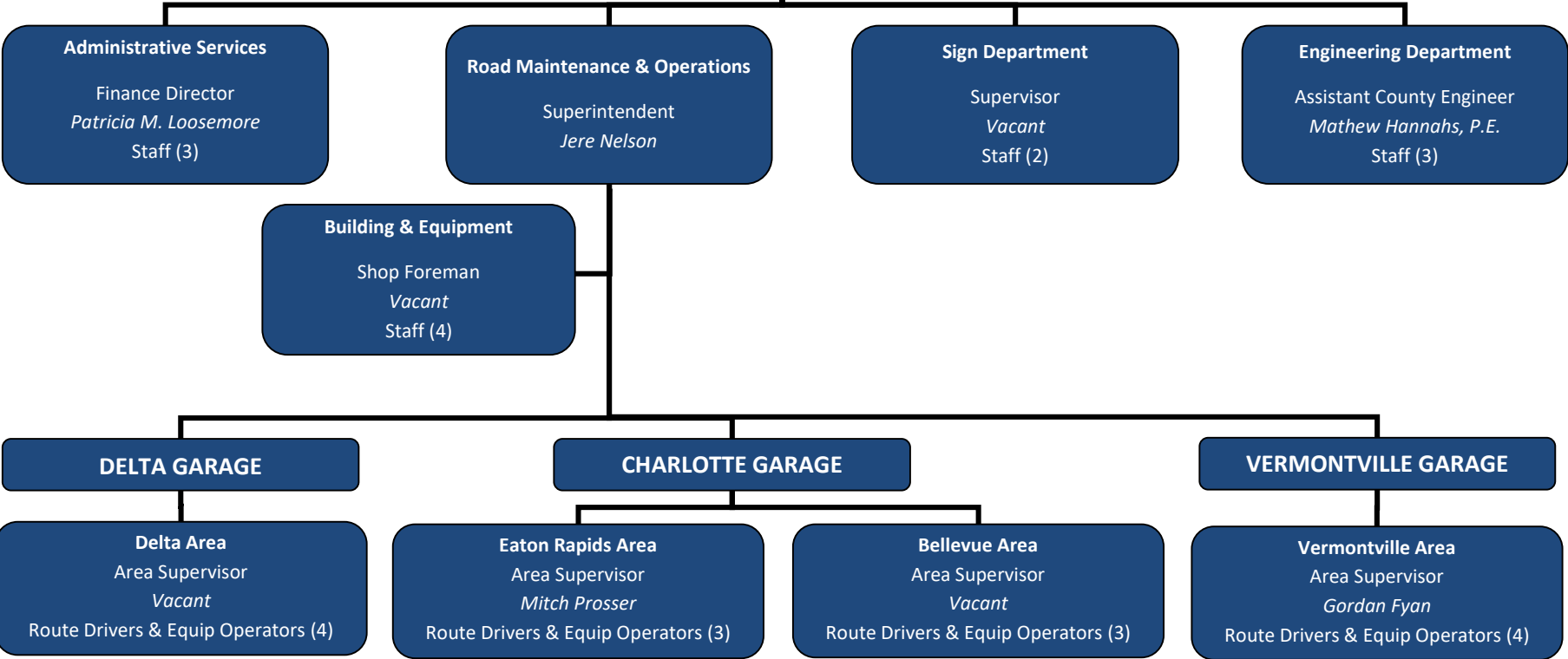
While the Road Commission's first priority is public safety on all county roads, we continue to utilize state Asset Management principals in working towards keeping the existing good roads in Eaton County in good condition, rather than deferring timely maintenance on those roads in order to pay for the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

BOARD OF EATON COUNTY ROAD COMMISSIONERS
 Benjamin S. Lyons, Chair
 Timothy J. Lamoreaux, Vice Chair
 Duane A. Eldred, Jerry L. Frazier, Lauren Aitch-Guerant, Members

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



Serves:
 Benton Township (Summer)
 Delta Charter Township
 Oneida Charter Township
 Windsor Charter Township

Serves:
 Benton Township (Winter)
 Brookfield Township
 Eaton Township
 Eaton Rapids Township
 Hamlin Township

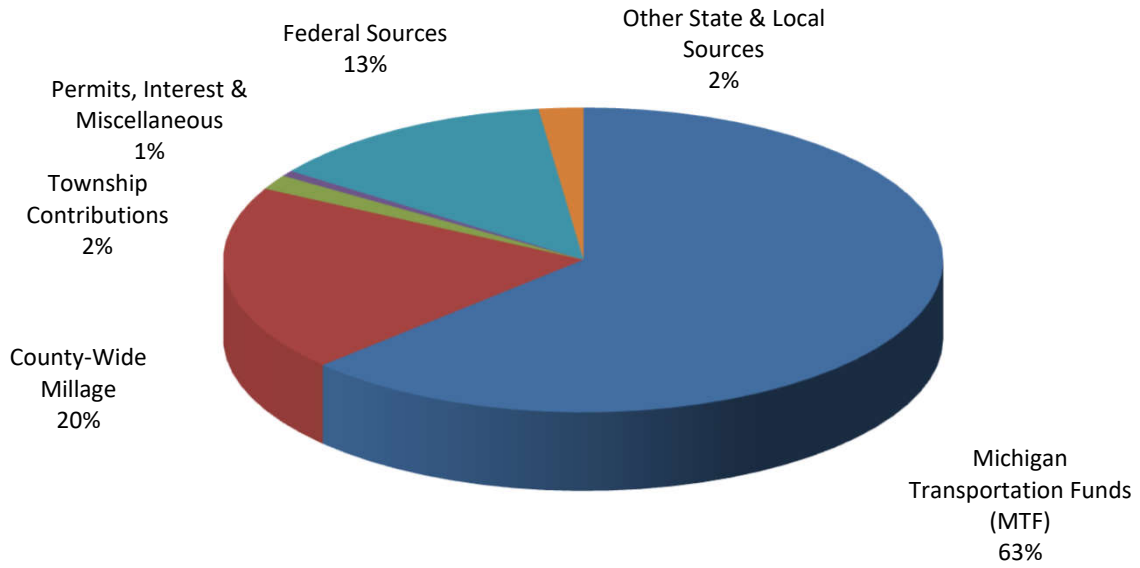
Serves:
 Bellevue Township
 Carmel Township
 Kalamo Township
 Walton Township

Serves:
 Chester Township
 Roxand Township
 Sunfield Township
 Vermontville Township

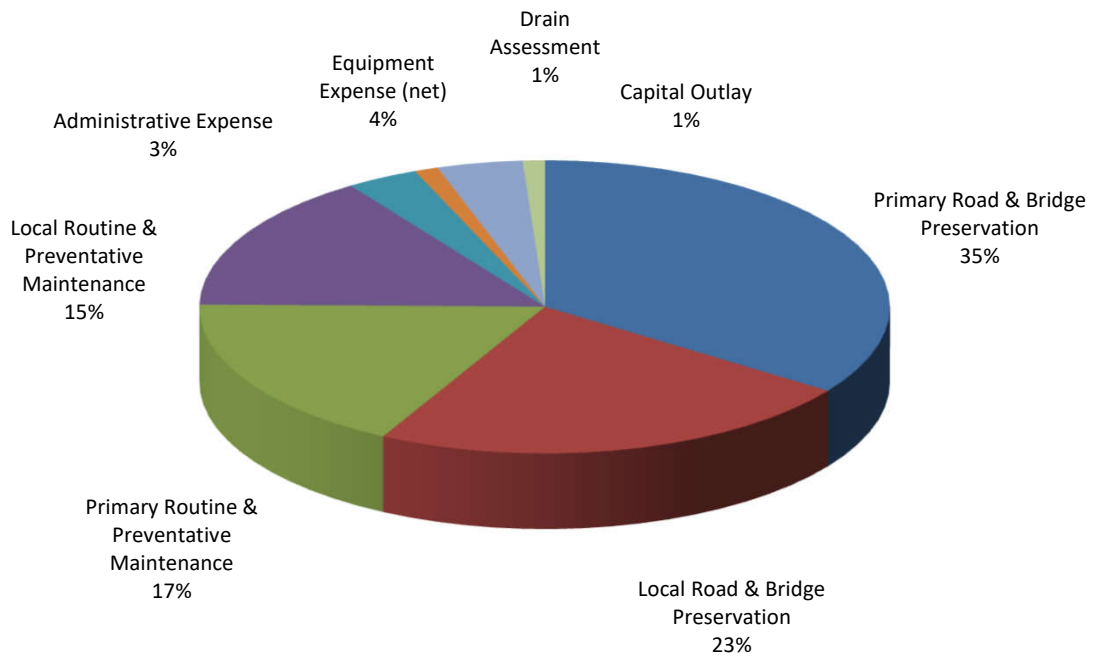
FINANCIAL SUMMARY

	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
REVENUES					
County-Wide Millage	\$ 4,088,338	\$ 4,289,816	\$ 4,408,110	\$ 4,554,261	\$ 4,696,278
Permit Revenue	91,186	81,930	95,365	82,500	75,000
Intergovernmental:					
Federal Sources	232,133	2,417,537	1,676,552	3,002,892	3,109,238
Michigan Transportation Funds	11,766,271	12,757,871	13,298,859	14,411,240	14,639,232
Other State Sources	1,235,888	1,862,096	135,817	410,605	-
Township Contributions	196,958	772,747	151,142	359,499	430,000
Other Local Sources	24,030	25,204	32,459	48,500	-
Charges for Services	2,437	2,964	281	2,260	-
Interest and Rentals	174,555	213,741	71,584	945	1,000
Other Revenue	70,548	72,399	96,890	53,358	100,000
Total Revenues	\$ 17,882,344	\$ 22,496,305	\$ 19,967,059	\$ 22,926,060	\$ 23,050,748
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ -	\$ -		\$ -	\$ -
Preservation/Structural Improvements	3,647,030	10,333,681	\$ 6,597,945	7,710,071	11,084,686
Routine Maintenance	2,369,967	1,672,063	1,703,984	1,917,870	2,100,000
Preventative Maintenance	883,166	1,548,892	1,334,187	1,964,833	1,200,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	4,867,992	4,182,711	5,160,120	5,116,267	6,157,778
Routine Maintenance	2,814,074	2,971,591	2,946,197	3,386,131	3,300,000
Preventative Maintenance	-	-	-	-	-
Equipment Expense (net)	208,311	202,740	37,464	(829,003)	150,000
Administration (net)	761,273	741,702	799,076	747,943	810,000
Maintenance Service for Other Units	94,622	76,463	73,970	58,992	100,000
Non-Road Projects	307	793,933	17,950	-	-
Capital Outlay (net)	(98,577)	637,685	129,676	231,505	1,595,500
Debt Service	516,085	-	-	-	-
Drain Assessment	276,584	199,547	218,789	246,618	300,000
Total Expenditures	\$ 16,340,834	\$ 23,361,008	\$ 19,019,359	\$ 20,551,227	\$ 26,797,964
Net Revenues (Expenditures)	1,541,510	(864,703)	947,700	2,374,832	(3,747,216)
Fund Balance at Beginning of Year	7,229,882	8,771,392	7,906,689	8,854,389	11,229,221
Fund Balance at End of Year	\$ 8,771,392	\$ 7,906,689	\$ 8,854,389	\$ 11,229,221	\$ 7,482,005

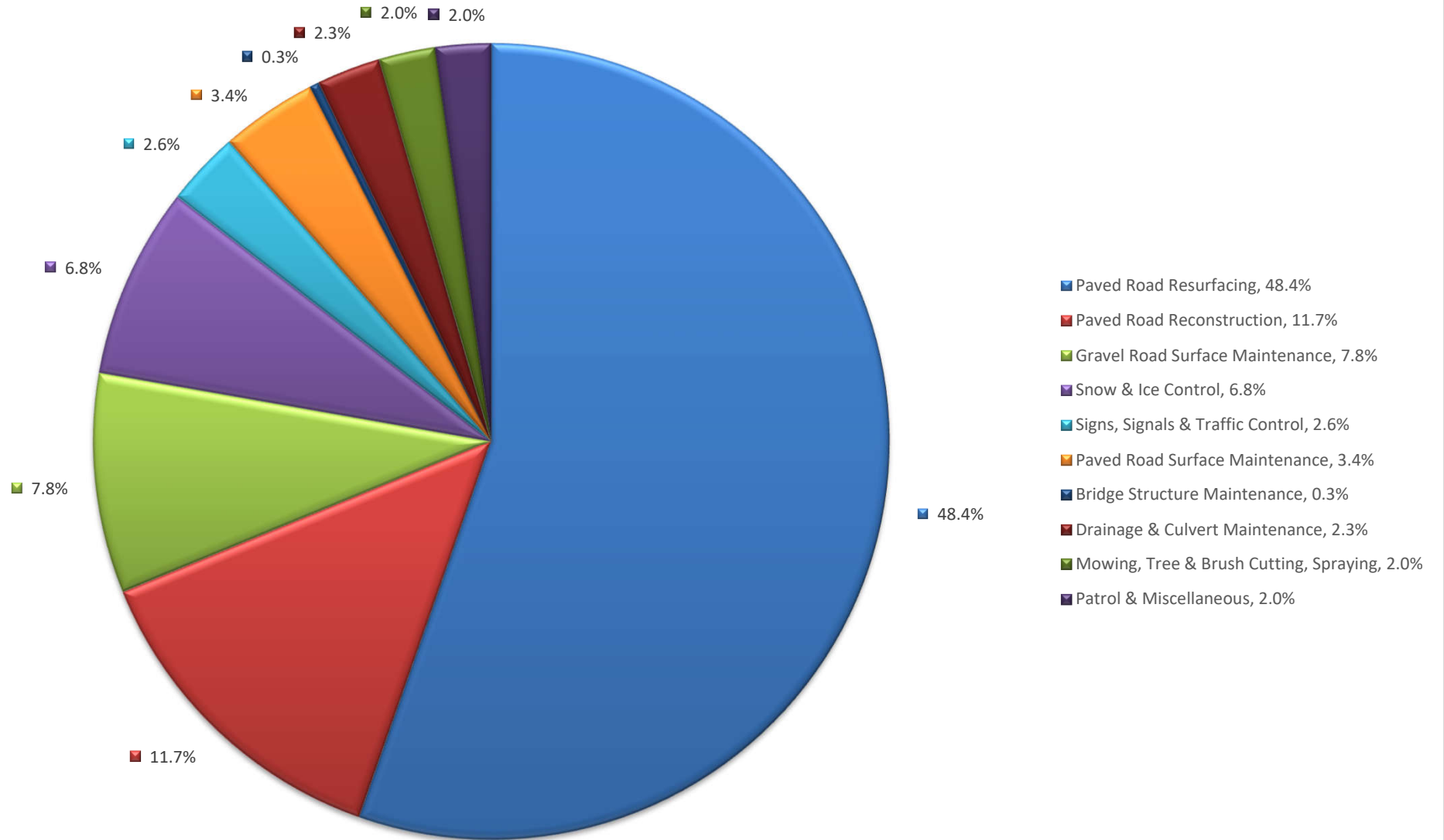
REVENUE



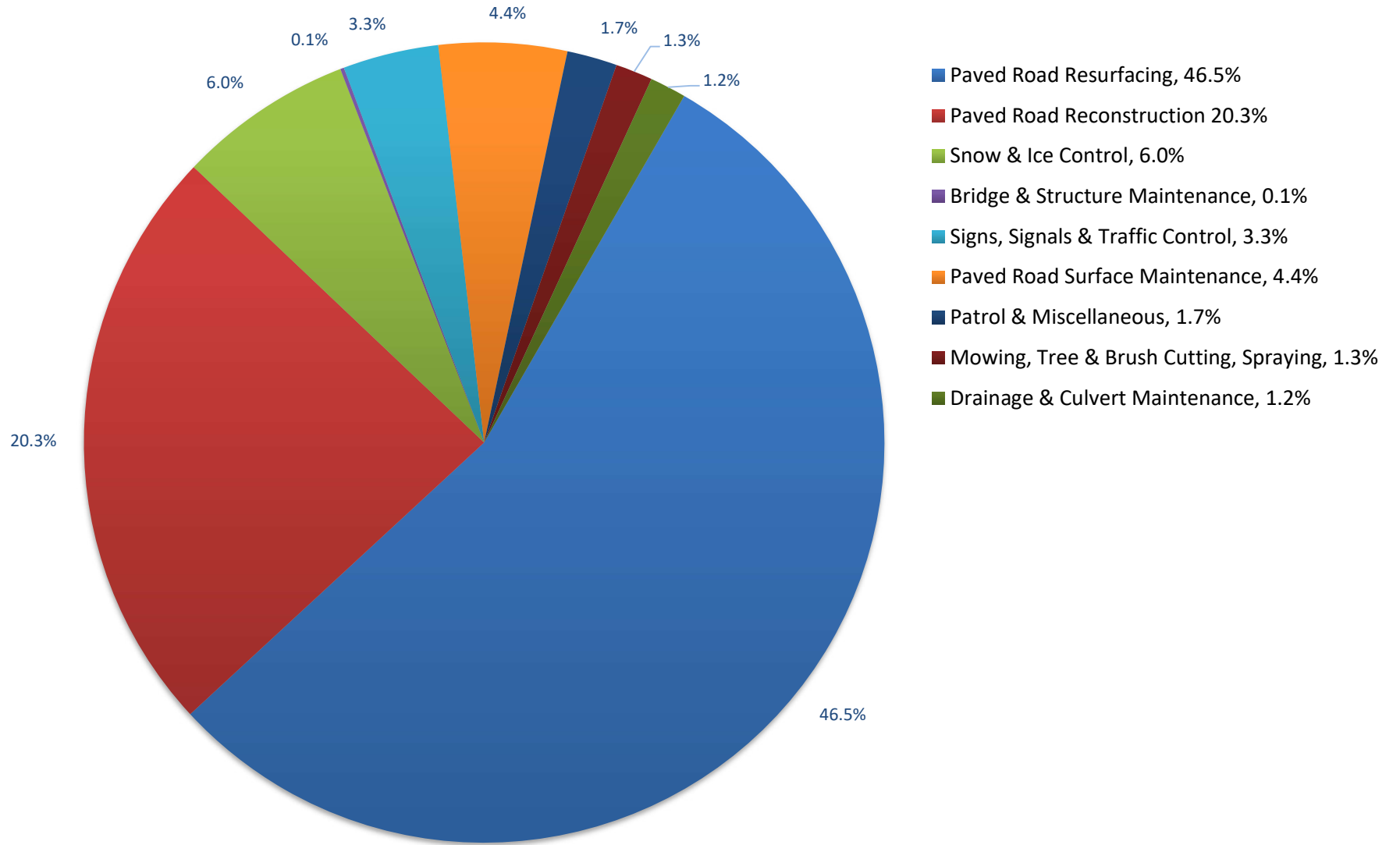
EXPENDITURES



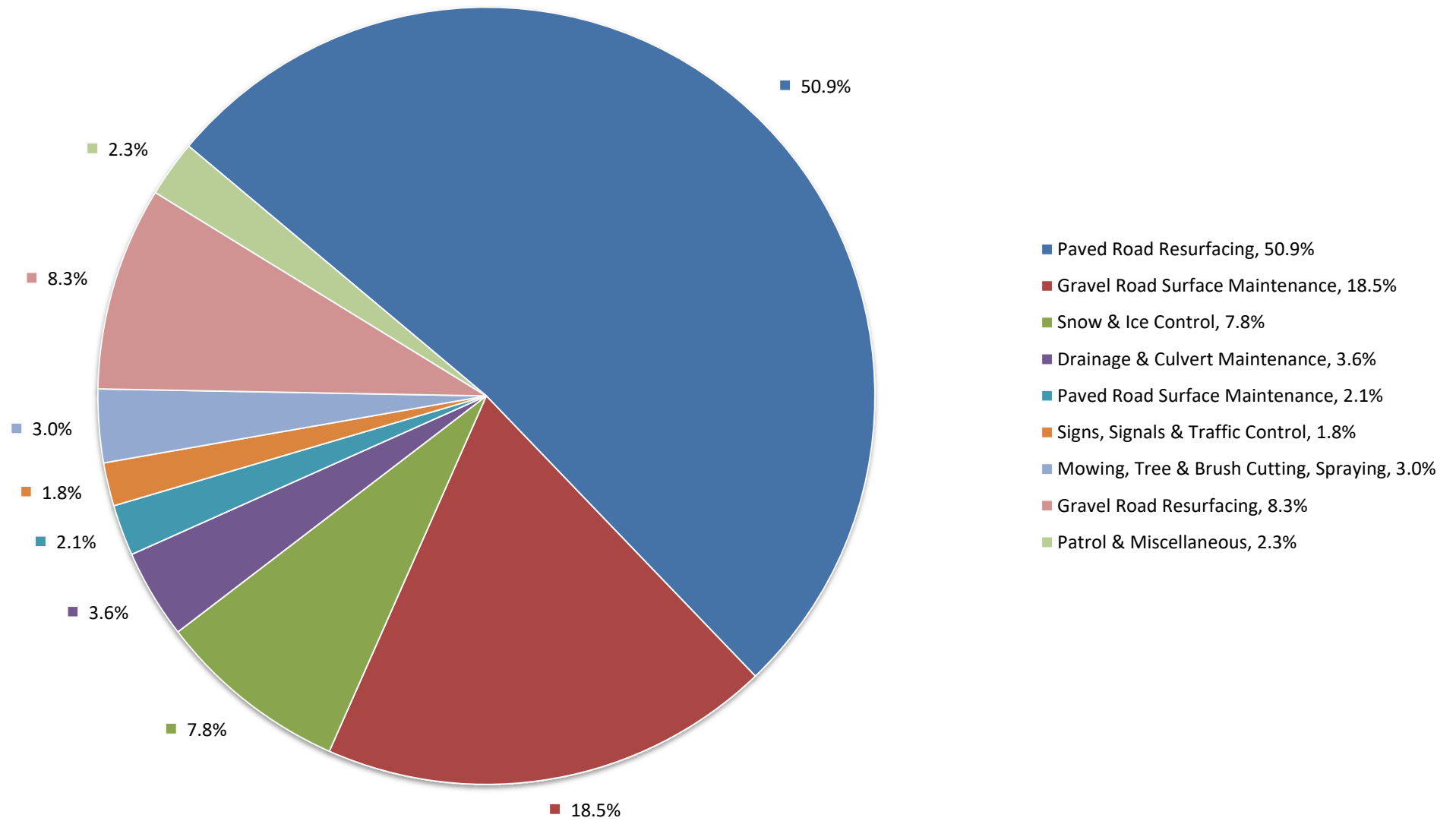
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	7,710,071
Total Preventative Maintenance Projects	<u>1,964,833</u>
Total Primary Road and Bridge Projects	<u><u>9,674,904</u></u>

Local Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	5,116,267
Total Preventative Maintenance Projects	<u>-</u>
Total Local Road and Bridge Projects	<u><u>5,116,267</u></u>

Grand Total **14,791,171**

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Crush, Shape and Asphalt Overlay:

Sand Rd, County Line to M-78	1.66 mi	583,568
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Sealcoat w/ Fog Seal:

Assyria Hwy, County Line to Pease Rd	1.98 mi	54,160
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Pease Rd, Assyria Hwy to M-78	1.55 mi	31,731
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<i>Final Expenditures for Prior Year Projects</i>		1,555
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Local Roads:

Local Road Millage Regravel:

Curtis Rd, Assyria Hwy to Link Hwy	0.51 mi	13,828
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Jones Hwy, M-78 to Its End	0.36 mi	10,619
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Pine Hwy, M-78 to Its End	0.47 mi	13,295
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Stoney Point Hwy, Curtis Rd to Pease Rd	2.46 mi	66,293
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Stoney Point Hwy, Ionia Rd to Young Rd	1.41 mi	31,866
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<i>Final Expenditures for Prior Year Projects</i>		716
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Bellevue Township Total

807,631

Bellevue Township Contributions

-

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BENTON TOWNSHIP

Primary Roads:

Bridge Replacement:

Vermontville Hwy Bridge over the Big Thornapple Drain 1,274,650

Crush & Shape, Widen

Otto Rd, Vermontville Hwy to Kinsel Hwy 2.00 mi 751,120

Sealcoat w/ Fog Seal:

Lansing Rd, Nelson St to Main St 0.90 mi 81,153

Vermontville Hwy, Potterville City Limit to Royston Rd 0.50 mi 14,591

Final Expenditures for Prior Year Projects 3,561

Local Roads:

Local Road Millage Resurface:

McConnell Hwy, Stewart Rd to End of Pavement 0.25 mi 28,612

Stewart Rd, Lansing Rd to End of Pavement 0.17 mi 21,743

Windsor Hwy, Hartel (M-100) to Its End 0.49 mi 60,679

Local Road Millage Regravel:

Santee Hwy, Cochran Rd to Benton Rd 1.00 mi 19,463

Stewart Rd, Vermontville Hwy to End of Pavement 1.10 mi 24,123

Benton Township Total

2,279,695

Benton Township Contributions

-

BROOKFIELD TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 17,900

Local Roads:

Local Road Millage Resurface:

Stevens Hwy, Brookfield Rd to Narrow Lake Rd 1.00 mi 188,832

Final Expenditures for Prior Year Projects 18,729

Brookfield Township Total

225,461

Brookfield Township Contributions

-

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CARMEL TOWNSHIP

Primary Roads:

Crush & Shape, Widen

Ainger Rd, Five Point Hwy to Kalamo Hwy 2.01 mi 264,700

Sealcoat w/ Fog Seal:

Chester Rd, Kalamo Hwy to Kinsel Hwy 4.03 mi 126,822

Final Expenditures for Prior Year Projects 11,330

Local Roads:

Local Road Millage Paved Road Resurface:

Stine Rd, Five Point Hwy to Battle Creek Hwy 0.98 mi 103,876

Carmel Township Total 506,727

Carmel Township Contributions -

CHESTER TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Chester Rd, Kinsel Hwy to Vermontville Hwy 2.02 mi 63,573

Vermontville Hwy, Bradley Rd to M-50 4.70 mi 144,032

Local Roads:

Local Road Millage Regravel:

Ash Hwy, Ainger Rd to M-50 1.49 mi 35,236

Bradley Rd, Kinsel Hwy to Lamie Hwy 1.01 mi 21,838

Chester Rd, Gresham Hwy to Bursley Hwy 2.03 mi 43,829

Lamie Hwy, Stine Rd to Hubbard Rd 0.50 mi 10,988

Sealcoat w/ Fog Seal:

Chester Rd, Vermontville Hwy to Gresham Hwy 1.02 mi 21,112

Final Expenditures for Prior Year Projects 34

Chester Township Total 340,640

Chester Township Contributions -

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP

Primary Roads:

Road Diet:

Michigan Ave Road Diet	1.88 mi	632,128
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Mill & Overlay 2":

Millett Hwy, Canal Rd to GM Entrance	0.53 mi	129,648
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Sealcoat w/ Fog Seal:

Willow Hwy, Township Line to Canal Rd	3.12 mi	87,511
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Reconstruct:

Mt. Hope Hwy, Nixon Rd to I-96 Overpass	1.80 mi	1,721,324
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Left Turn Lane:

Creyts Rd, Mt Hope Hwy to I-496	0.21 mi	170,592
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Final Expenditures for Prior Year Projects

22,114

Initial Expenditures for Future Projects

7,701

Local Roads:

Local Road Millage Paved Road Resurface:

Alexandria Dr, Remington Way to Arlington Dr E	0.27 mi	165
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Amberina Dr, Ruby Glass Rd to Cardinal Ln	0.23 mi	37,174
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Anacapri, Creyts Rd to St. Joe Hwy	0.46 mi	371,445
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Arlington Dr E, St. Joe Hwy to Its End	0.47 mi	11,476
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Armstrong Rd, Willow Hwy to Webster Rd	0.24 mi	33,036
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Aspen Dr, Bennington Dr to Powderhorn	0.03 mi	2,856
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Bearcreek Dr, Stoney Point Dr to Its End	0.25 mi	58,778
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Bennington Dr, Trenton Pl to Its End	0.46 mi	9,300
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Bentbrook Cir, Bearcreek Dr to Its End	0.06 mi	16,294
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Birchwood Way, Rockdale Ave to Boxwood Ln	0.13 mi	29,824
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Bobsyl Ln, Denmark Ave to Countryside Dr	0.12 mi	27,184
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Bollman Dr, Birchwood Way to River Ridge Dr	0.26 mi	57,043
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Boxwood Ln, Birchwood Way to River Ridge Dr	0.20 mi	39,149
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Burt Ave, Madonna Dr to Greenfield Rd	0.10 mi	12,624
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Camden Dr, Arlington Dr E to Remington Way	0.18 mi	1,043
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Cardinal Ln, Lindy Dr to Amberina Dr	0.12 mi	21,804
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Chimneyrock, Powderhorn to Durango	0.17 mi	18,816
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Countryside Dr, from start to Denmark Ave	0.12 mi	24,894
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Crawford St, Old Lansing Rd to Marylouise St	0.08 mi	9,128
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Dawnhaven Ave, M-43 to Madonna Dr	0.27 mi	32,499
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Denmark Ave, Bobsyl Ln to Corkery Ln	0.12 mi	22,555
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Grenoble Cir, Grenoble Dr to End of Loop	0.20 mi	439
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Hamlet Ct, Countryside Dr to Its End	0.04 mi	15,447
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Hilltop Dr, Toboggan Ln to Lindy Dr & Pony Ln	0.06 mi	11,700
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Lawrence J Pkwy, Madonna Dr to Philwood Dr	0.28 mi	33,302
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Lindy Dr, Willow Hwy to Pony Trail	0.08 mi	13,274
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Madonna Dr, M-43 to Burt Ave	0.51 mi	56,605
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Marylouise St, Begin to End (2020)	0.17 mi	24,815
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Midland Dr, Elmwood Rd to E Mall Dr	0.14 mi	26,034
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Pembrook Pl, Princeton Dr to Bennington Dr	0.16 mi	83
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2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP cont.

Local Roads:

Local Road Millage Paved Road Resurface:

Pepperwood, Aspen Dr to Chimneyrock	0.13 mi	17,176
Philwood Dr, Madonna Dr to Its End	0.21 mi	34,475
Pony Trail, Toboggan Ln to Armstrong Rd	0.18 mi	33,068
Princeton Dr, St. Joe Hwy to Bennington Dr	0.15 mi	83
Provincial Ave, Wildon Way to Its End	0.08 mi	14,417
Remington Way, Alexandria Dr to Camden Dr	0.09 mi	83
River Ridge Dr, Cheltingham Blvd to Boxwood Ln	0.28 mi	51,427
Rockdale Ave, Willow Hwy to Its End	0.44 mi	106,844
Rockdale Ave, Willow Hwy to Stoney Point Dr	0.28 mi	53,430
Rubina Way, Amberina Dr to Its End	0.06 mi	17,788
Ruby Glass Rd, Lindy Dr to Its End	0.11 mi	17,757
Sand Point Dr, Bearcreek Dr to Woodstock Dr	0.23 mi	44,927
Sierra Dr, Powderhorn to Pepperwood	0.12 mi	12,497
Stoney Point Dr, Willow Hwy to Riley Ridge Dr	0.54 mi	113,896
Toboggan Ln, Hilltop Dr to Armstrong Rd	0.17 mi	27,794
Trenton Pl, Bennington Dr to Alexandria Dr	0.29 mi	554
W Greenfield Rd, Burt Ave to Carlson Rd	0.22 mi	30,411
Westport Dr, Stoney Point Dr to Woodstock Dr	0.12 mi	24,283
Wildon Way, Provincial Ave to Countryside Dr	0.13 mi	22,300
Woodstock Dr, Sand Point Dr to Westport Dr	0.18 mi	34,995
Wyeth Dr, Montevideo Dr to Trenton Pl	0.06 mi	629
<i>Final Expenditures for Prior Year Projects</i>		85,600

Delta Township Total

4,534,241

Delta Township Contributions

321,382

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP

Primary Roads:

Asphalt Overlay:

Packard Hwy, M-50 to Lansing Rd	1.41 mi	233,634
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Crush & Shape, Asphalt Overlay:

Otto Rd, Kinsel Hwy to I-69 Bridge	0.48 mi	180,213
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Sealcoat w/ Fog Seal:

Island Hwy, City Limits to Hartel Rd (M-100)	4.28 mi	108,720
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Lansing Rd, I-69 Ramp to Otto Rd	1.29 mi	109,772
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Final Expenditures for Prior Year Projects		8,359
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Initial Expenditures for Future Projects		5,147
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Local Roads:

Local Road Millage Paved Road Resurface:

Bell Hwy, End of Gravel to Royston Rd	0.12 mi	244
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Long Hwy, End of Gravel to Royston Rd	0.12 mi	244
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Packard Hwy, Stewart Rd to Hartel Rd (M-100)	1.52 mi	221,433
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Local Road Millage Regravel:

Fairview Hwy, Benton Rd to End of Pavement	0.82 mi	17,804
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Final Expenditures for Prior Year Projects		2,071
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Eaton Township Total

887,641

Eaton Township Contributions

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EATON RAPIDS TOWNSHIP

Primary Roads:

Asphalt Overlay with Stress Absorbing Membrane Interlayer:

Royston Rd, M-50 to Island Hwy	2.44 mi	105,463
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Final Expenditures for Prior Year Projects		3,472
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Initial Expenditures for Future Projects		607
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Local Roads:

Local Road Millage Paved Road Resurface:

Kemler Rd, M-50 to End of Pavement	0.77 mi	72,853
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Local Road Millage Regravel:

Kemler Rd, End of Pavement to Petrieville Hwy	0.63 mi	18,477
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Petrieville Hwy, Canal Rd to Kemler Rd	0.51 mi	10,879
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Culvert Replacement:

Smith Rd Culvert, over O'Dell Drain south of Bunker Hwy		7,674
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Eaton Rapids Township Total

219,424

Eaton Rapids Township Contributions

3,880

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Asphalt Overlay:

Waverly Rd, M-188 to Bridge @ Grand River 0.18 mi 16,660

Sealcoat w/ Fog Seal:

Springport Rd, Spicerville Hwy to Bellevue Hwy 3.07 mi 62,224

Final Expenditures for Prior Year Projects

24,897

Initial Expenditures for Future Projects

1,486

Local Roads:

Local Road Millage Crush & Shape:

Houston Rd, Holmes Hwy to Bellevue Hwy 1.00 mi 209,936

V.F.W. Rd, at Waverly Rd 0.06 mi 8,632

Hamlin Township Total

323,836

Hamlin Township Contributions

-

KALAMO TOWNSHIP

Primary Roads:

Crush & Shape, Overlay:

Ionia Rd, M-79 to Kinsel Hwy 2.02 mi 912,696

Local Roads:

Local Road Millage Regravel:

Carlisle Hwy, Pease Rd to Curtis Rd 2.07 mi 53,720

Carlisle Hwy, Perry Rd to Bradley Rd 2.02 mi 48,410

Face Hwy, Mason Rd to Its End 0.28 mi 7,627

Shaytown Rd, Carlisle Hwy North to Its End 0.70 mi 17,701

Kalamo Township Total

1,040,154

Kalamo Township Contributions

-

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ONEIDA TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Willow Hwy, City Limits to Township Line	0.77 mi	21,591
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Local Roads:

Local Road Millage Paved Road Resurface:

Benton Rd, Needmore Hwy to Mt. Hope Hwy	2.02 mi	249,905
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Maywood Dr, E Saginaw Hwy to Ruth Dr	0.15 mi	14,029
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Ruth Dr, Maywood Dr to Maywood Dr	0.08 mi	10,005
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Strange Hwy, Benton Rd to Oneida Rd	2.00 mi	228,822
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Oneida Township Total		<u>524,353</u>
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Oneida Township Contributions		<u>-</u>
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ROXAND TOWNSHIP

Primary Roads:

<i>Final Expenditures for Prior Year Projects:</i>		335
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<i>Initial Expenditures for Future Projects</i>		6,361
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Local Roads:

Culvert Replacement:

Gates Rd, Over Winchell and Union Drain		73,104
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Local Road Millage Paved Road Resurface:

Eaton Hwy, Dow Rd to End of Pavement	0.41 mi	80,292
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Local Road Millage Crush, Shape and Asphalt Overlay:

St. Joe Hwy, Gates Rd to 1 Mile East	1.01 mi	204,341
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<i>Final Expenditures for Prior Year Projects:</i>		740
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Roxand Township Total		<u>365,172</u>
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Roxand Township Contributions		<u>34,600</u>
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2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUNFIELD TOWNSHIP

Primary Roads:

Bridge Replacement:

Mt. Hope Hwy Bridge over Sebewa Creek ICD 479,086

Asphalt Overlay:

Sunfield Rd, Village Limit to Eaton Hwy 0.25 mi 27,060

Crush & Shape, Overlay 3":

Mt. Hope Hwy, Barry County Line to Irish Rd 1.09 mi 322,014

Sealcoat w/ Fog Seal:

Mt. Hope Hwy, Irish Rd to M-50 3.45 mi 92,155

Final Expenditures for Prior Year Projects 17,325

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

St. Joe Hwy, Shaytown Rd to Dow Rd 1.00 mi 224,051

Crush & Shape:

Granger Hwy, Brown Rd to Dow Rd 1.99 mi 198,797

Sunfield Township Total

1,360,489

Sunfield Township Contributions

-

Village of Sunfield

Primary Roads:

Asphalt Overlay:

Sunfield Rd, CSX RR Crossing North to Sunfield Village Limit 28,804

Village of Sunfield Total

28,804

Village of Sunfield Contributions

28,804

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

VERMONTVILLE TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Ionia Rd, Village Limit to Nashville Hwy	0.38 mi	14,869
Nashville Hwy, Curtis Rd to Ionia Rd	2.68 mi	90,844
Nashville Hwy, Pease Rd to Ionia Rd	0.50 mi	22,905
Vermontville Hwy, Allegan Rd to Bradley Rd	3.03 mi	92,862
<i>Final Expenditures for Prior Year Projects</i>		22,597

Local Roads:

Local Road Millage Regravel:

Anderson Hwy, Brown Rd to Shaytown Rd	1.03 mi	26,020
Brown Rd, Vermontville Hwy to Anderson Hwy	0.50 mi	12,687
Frith Rd, Vermontville Hwy to Its End	0.50 mi	13,146
Lamie Hwy, Shaytown Rd to Bradley Rd	1.02 mi	23,578
Nashville Hwy, Ionia Rd to Kinsel Hwy	2.37 mi	45,992
Shaytown Rd, Vermontville Hwy to Allegan Rd	1.71 mi	42,401
<i>Final Expenditures for Prior Year Projects</i>		27,197

Vermontville Township Total

435,098

Vermontville Township Contributions

-

WALTON TOWNSHIP

Primary Roads:

Asphalt Resurface:

Battle Creek Hwy, Five Point Hwy to Bradley Rd	3.38 mi	194,226
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Crush & Shape, Widen

Ainger Rd, Battle Creek Hwy to Five Point Hwy	1.39 mi	134,859
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<i>Final Expenditures for Prior Year Projects</i>		69,399
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<i>Initial Expenditures for Future Projects</i>		209
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Local Roads:

Local Road Millage Paved Road Resurface:

Messenger Hwy, Ainger Rd West to End of Pavement	0.30 mi	40,308
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Local Road Millage Crush, Shape and Asphalt Overlay:

Spicerville Hwy, Stine Rd to End of Pavement	0.51 mi	85,337
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Local Road Millage Regravel:

Spicerville Hwy, Ainger Rd to Pavement End	1.51 mi	38,220
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White Rd, Spicerville Hwy to Its End	0.61 mi	13,568
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Bridge Deck Repair:

Harris Road Bridge		17,287
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Culvert Replacement:

Butterfield Culvert, between Matthews Rd and Cochran Rd		3,328
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<i>Final Expenditures for Prior Year Projects</i>		16,559
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Walton Township Total

613,300

Walton Township Contributions

-

2020-2021

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WINDSOR TOWNSHIP

Primary Roads:

Asphalt Overlay:

Smith Rd, Vermontville Hwy to Dimondale Village Limit	1.05 mi	117,060.29
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Sealcoat w/ Fog Seal:

Canal Rd, Vermontville Hwy to Windsor Hwy	1.50 mi	44,961.83
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Guinea Rd, Billwood Hwy to Lansing Rd	0.68 mi	23,340.43
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Vermontville Hwy, Royston Rd to M-99	4.97 mi	145,751.01
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<i>Final Expenditures for Prior Year Projects</i>		13,234
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Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Nixon Rd, Vermontville Hwy to Windsor Hwy	1.62 mi	360,980
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Local Road Millage Paved Road Resurface:

Bridgeport Dr, City Limits to Its End	0.11 mi	749
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Little York Dr, N End to S End	0.07 mi	10,861
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Oak Hwy, Nixon Rd to Its End	0.53 mi	68,841
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Crush & Shape:

Nixon Rd, Rossman Hwy to Vermontville Hwy	1.00 mi	83,912
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Pray Rd, Kinsel Hwy to Rossman Hwy	1.00 mi	91,557
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Rossman Hwy, Pray Rd to Nixon Rd	0.25 mi	28,173
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Windsor Township Total

989,421

Windsor Township Contributions

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2020-2021 PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 100,660	18.40	\$ 5,471
Benton	173,934	28.13	6,183
Brookfield	74,512	18.33	4,065
Carmel	173,062	23.36	7,408
Chester	123,796	13.70	9,036
Delta	327,344	55.85	5,861
Eaton	121,302	25.99	4,667
Eaton Rapids	90,359	24.09	3,751
Hamlin	95,794	26.47	3,619
Kalamo	51,953	18.30	2,839
Oneida	71,474	23.51	3,040
Roxand	72,547	20.72	3,501
Sunfield	86,434	22.80	3,791
Vermontville	119,019	17.51	6,797
Walton	85,983	23.08	3,725
Windsor	149,740	31.54	4,748
Total Primary Maintenance	\$ 1,917,913	391.78	\$ 4,895

2020-2021 LOCAL ROAD ROUTINE MAINTENANCE

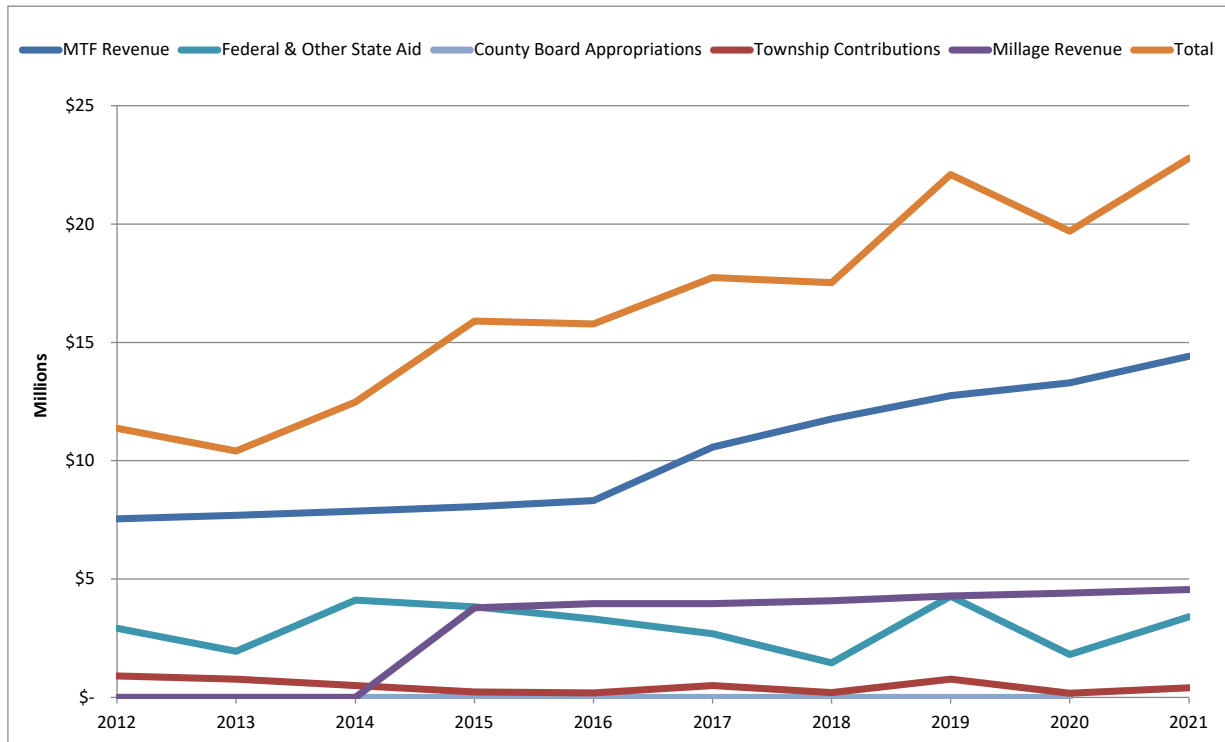
SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 222,266	48.74	\$ 4,560
Benton	176,857	33.62	5,260
Brookfield	215,278	53.95	3,990
Carmel	188,381	42.28	4,456
Chester	205,079	48.75	4,207
Delta	372,139	112.56	3,306
Eaton	143,919	42.22	3,409
Eaton Rapids	213,704	43.29	4,937
Hamlin	190,680	45.22	4,217
Kalamo	202,970	47.88	4,239
Oneida	142,256	40.35	3,526
Roxand	213,625	44.59	4,791
Sunfield	176,012	37.41	4,705
Vermontville	211,179	42.13	5,013
Walton	224,107	47.71	4,697
Windsor	266,526	51.77	5,148
Total Local Maintenance	\$ 3,364,978	782.47	\$ 4,300

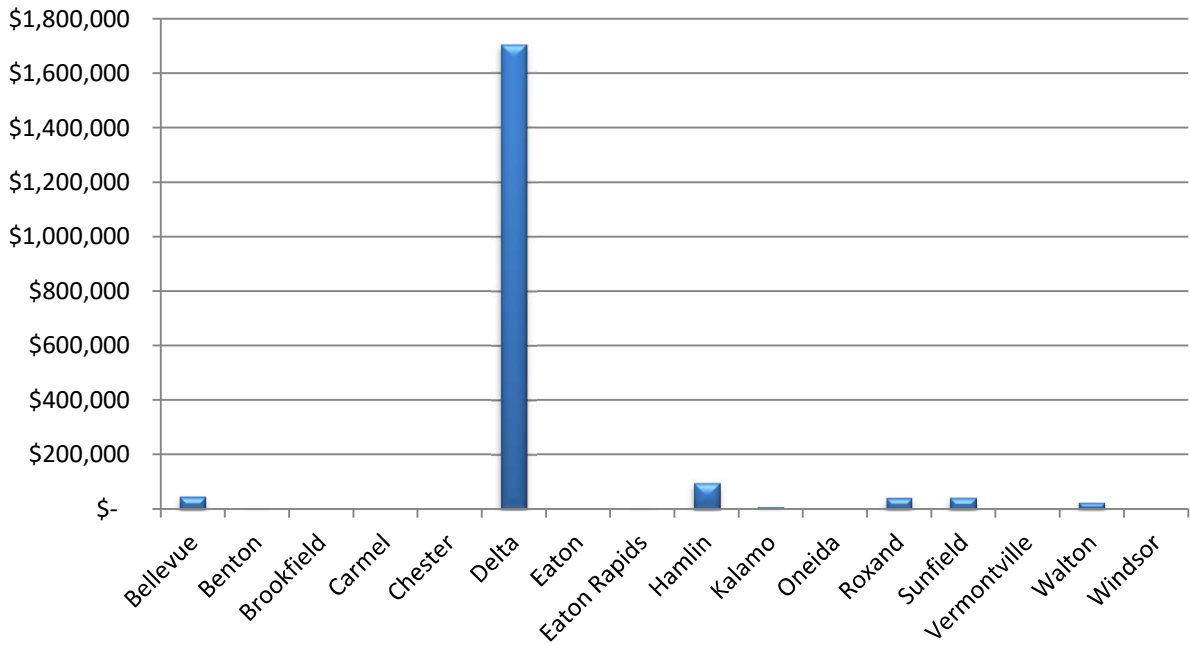
TEN YEAR HISTORY

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

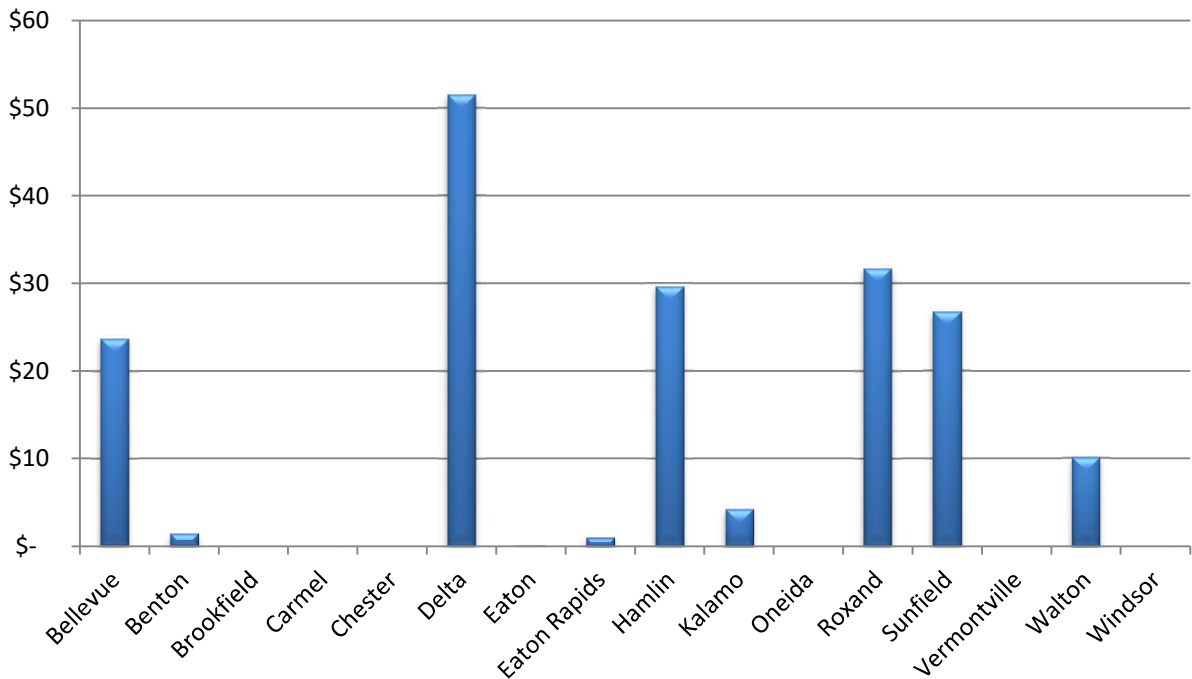
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2012	7,545,228	2,920,113	-	902,228	-	11,367,569	12.0%
2013	7,695,041	1,943,833	-	773,359	-	10,412,233	10.1%
2014	7,871,876	4,112,744	-	500,127	-	12,484,747	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%
2021	14,411,240	3,413,496	-	407,999	4,554,261	22,786,997	2.8%

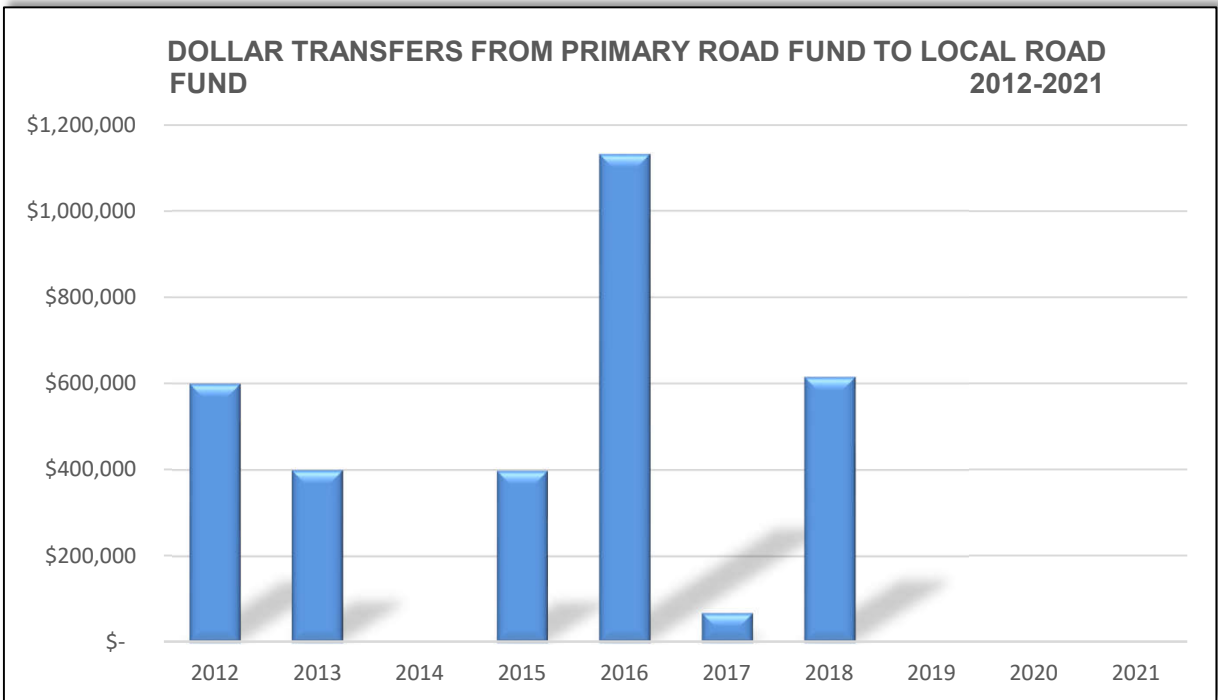
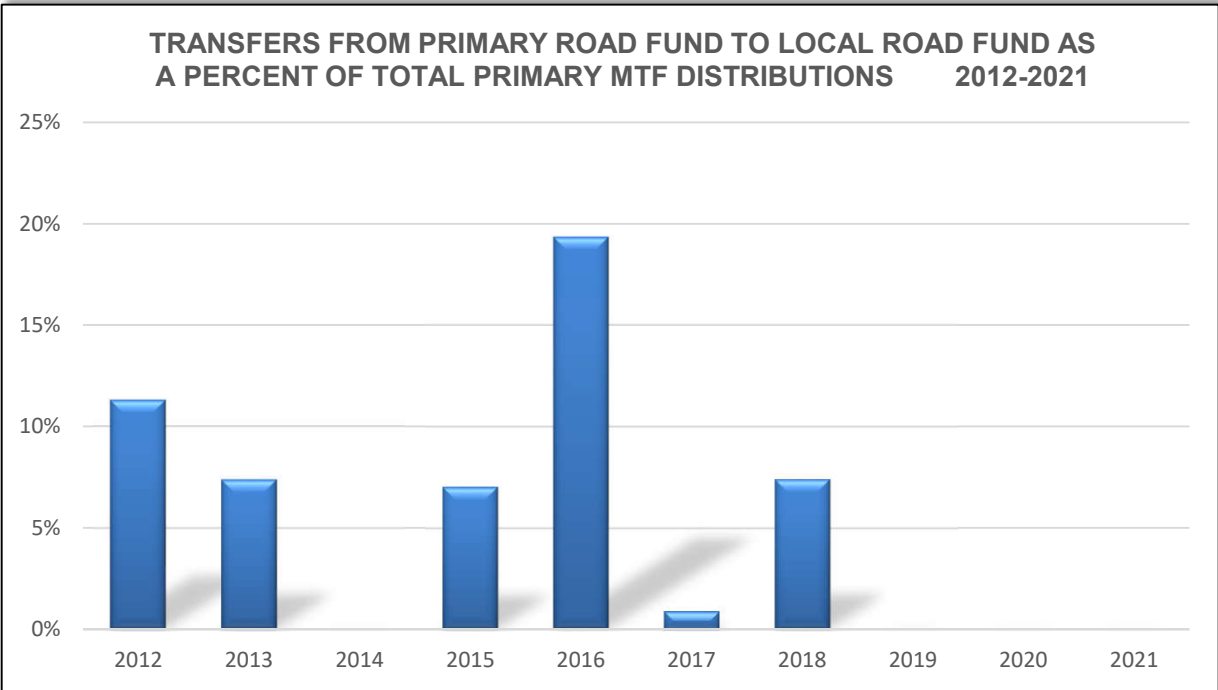


Five Year Township Contributions by Dollar to Primary and Local Roads



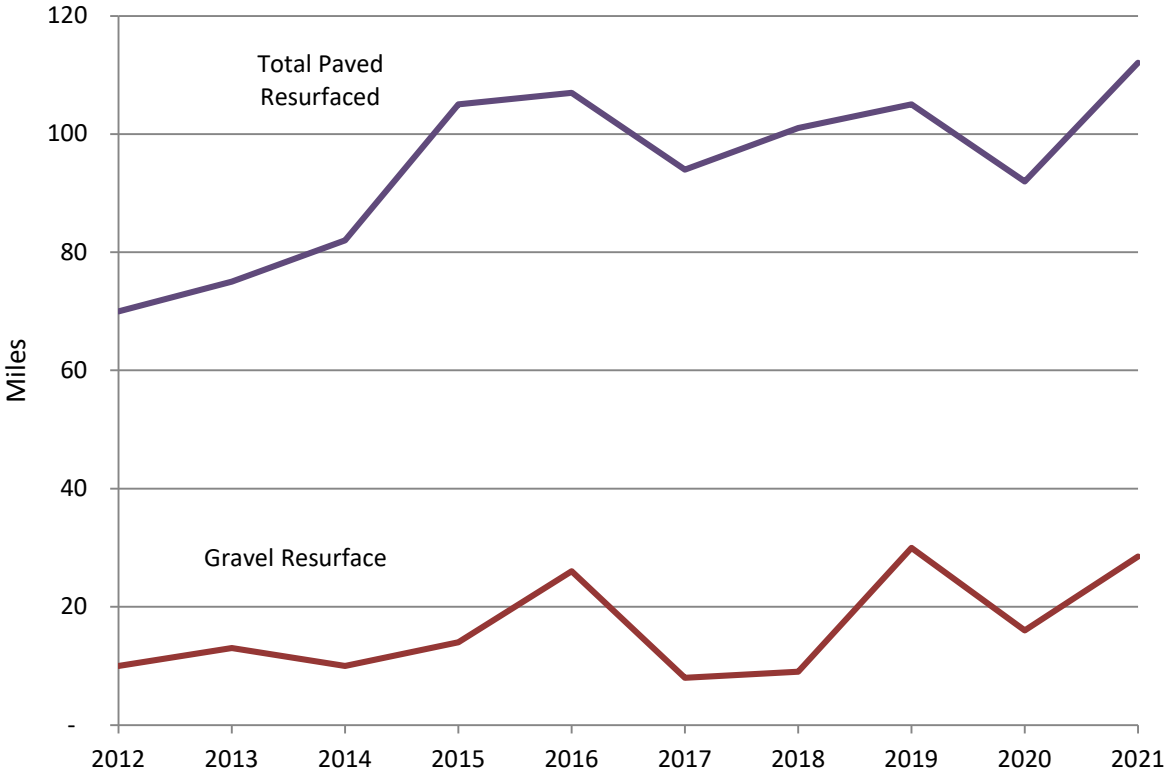
Five Year Township Contributions Per Capita to Primary and Local Roads





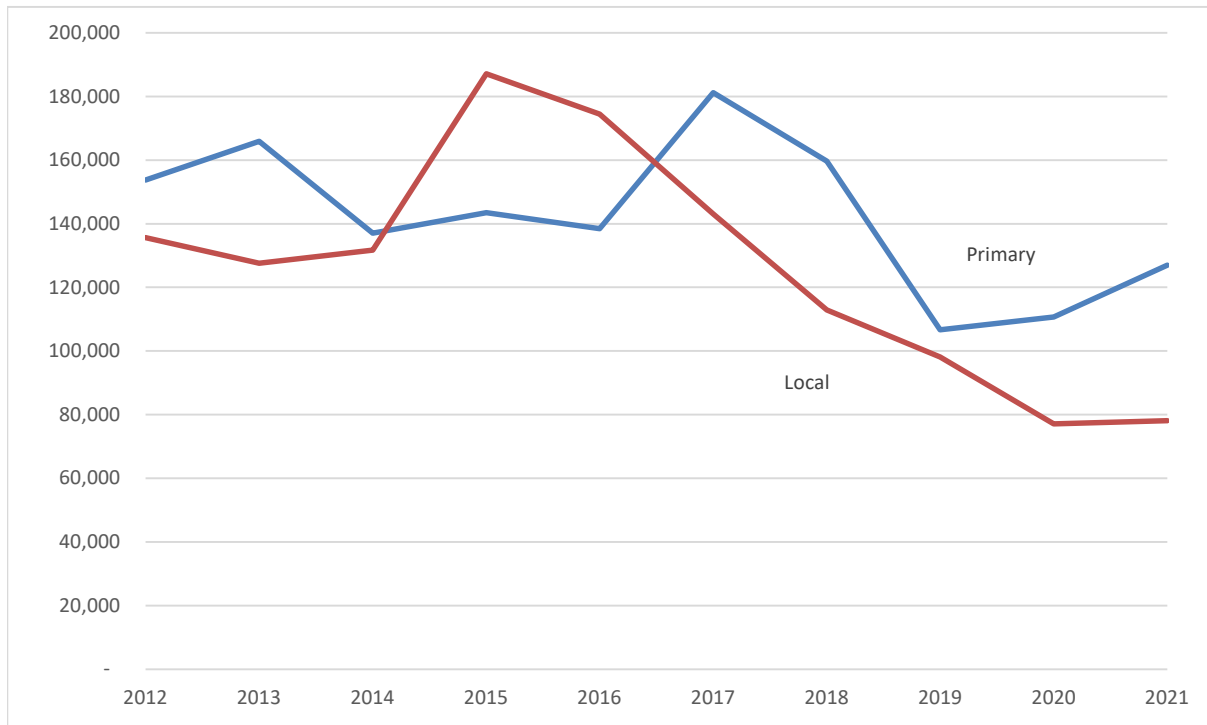
TEN YEAR HISTORY ROAD RESURFACING

<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>
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
2021	82	30	112	29

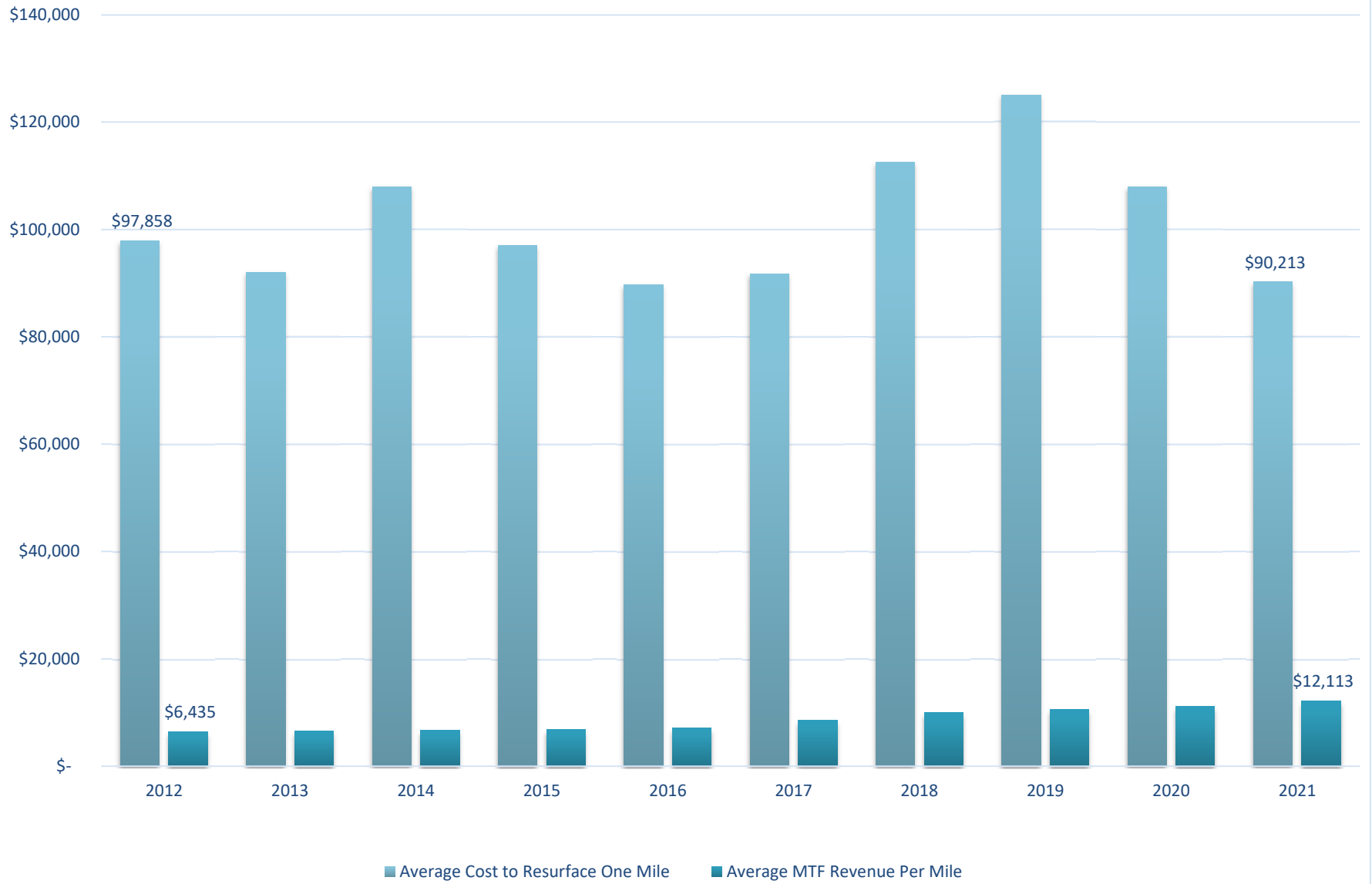


ANNUAL POTHOLE PATCHING COSTS

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
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
2021	203	103	306	126,984	78,142	205,126	324	277	671



PAVING COST TRENDS PER MILE



SUMMARY OF PERMIT DEPARTMENT OPERATIONS

Permit Type	Number Issued	Amount Collected
Annual Permits/Cab Cards	270	
Single Move Permits	359	
Driveway Permits	185	
Utility Permits	173	
Building Move Permits	-	
Tap In Permits	-	
Road Bore	-	
		\$ 70,900
Highway Permits/Bituminous Road Cuts	29	\$ 11,600
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	26	
Total Permit Fees Collected		\$ 82,500

2020-2021

CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Delta Air Conditioning Repair	126,817
Miscellaneous Building Maintenance	49,876
Total Building and Yard & Storage	<u>\$ 176,693</u>

Road Equipment

2 Tandem Axle Truck	\$ 227,442
1 Entyre Distributor	169,735
1 Freightliner Distributor Truck (no box)	118,291
3 Silverado Truck (equipment)	81,521
2 Freightliner Polw Chassis Truck	69,426
2 Monroe 12' Underbody Scraper	21,106
2 Monroe 9' Patrol Wing	25,708
2 Monroe Radius Dump Spreader Body	95,318
2 Monroe Front Cross-Conveyor	22,042
2 Topcon Grader System Electric Controls	31,840
1 Differential Rebuild on Old Cat Roller (2670)	18,186
5 Traffic Counters	5,475
Miscellaneous Road Equipment	2,887
Total Road Equipment	<u>\$ 888,978</u>

Shop Equipment

Miscellaneous Shop Equipment	\$ 12,176
Total Shop Equipment	<u>\$ 12,176</u>

Engineering Equipment

GPS Survey Equipment	\$ 11,000
Total Engineering Equipment	<u>\$ 11,000</u>

Office Equipment

Printers	\$ 16,407
Total Office Equipment	<u>\$ 16,407</u>

Total 2020-2021 Capital Outlay	<u>\$ 1,105,253</u>
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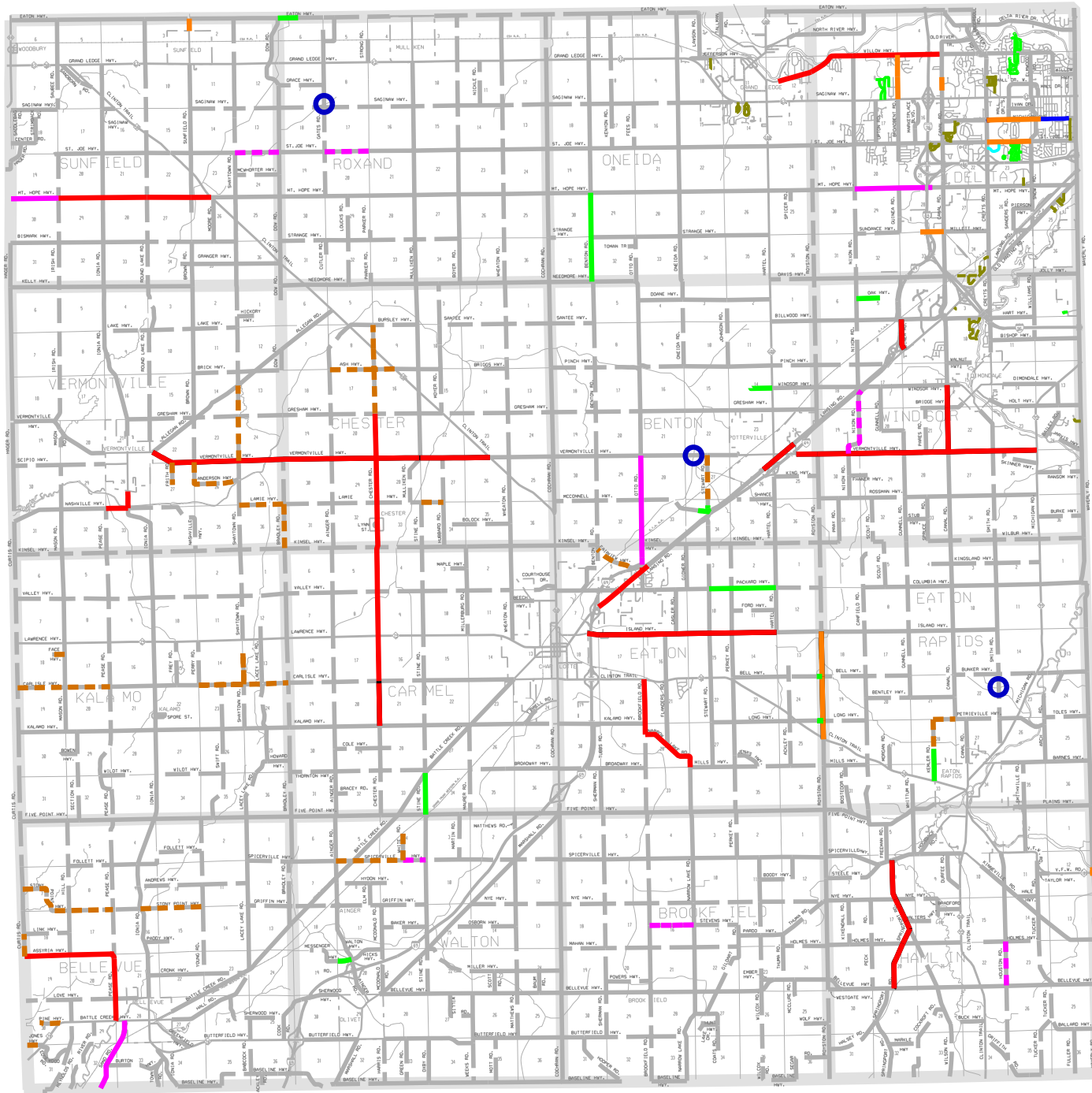
STATUS OF ROAD MILEAGE

JANUARY 1, 2022

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	3.55	44.89	0.23	-	48.67	67.07	22.18	33.07%	44.89
Benton	28.13	-	28.13	7.02	26.60	-	-	33.62	61.75	35.15	56.92%	26.60
Brookfield	18.33	-	18.33	9.19	44.78	-	-	53.97	72.30	27.52	38.06%	44.78
Carmel	23.36	-	23.36	8.05	33.87	0.33	-	42.25	65.61	31.74	48.38%	33.87
Chester	13.70	-	13.70	4.52	43.97	-	0.13	48.62	62.32	18.22	29.24%	44.10
Delta	55.85	-	55.85	6.63	6.94	97.98	0.93	112.48	168.33	160.46	95.32%	7.87
Eaton	25.99	-	25.99	19.22	18.54	4.22	-	41.98	67.97	49.43	72.72%	18.54
Eaton Rapids	24.09	-	24.09	7.59	35.70	-	-	43.29	67.38	31.68	47.02%	35.70
Hamlin	26.42	-	26.42	13.00	31.72	-	0.10	44.82	71.24	39.42	55.33%	31.82
Kalamo	18.30	-	18.30	8.28	39.08	0.26	-	47.62	65.92	26.84	40.72%	39.08
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	23.09	-	23.09	11.82	35.61	-	-	47.43	70.52	34.91	49.50%	35.61
Windsor	31.54	-	31.54	14.82	27.17	10.81	0.30	53.10	84.64	57.17	67.54%	27.47
TOTAL	391.74	-	391.74	156.28	500.25	124.15	1.65	782.33	1,174.07	672.17	57.25%	501.90

EATON COUNTY ROAD COMMISSION CALENDAR YEAR 2021 COMPLETED PROJECTS

- ASPHALT OVERLAY - PRIMARY (6.9 miles)
- ASPHALT OVERLAY - MILLAGE / LOCAL (14.7 miles)
- ASPHALT OVERLAY - CRUSH AND SHAPE - PRIMARY (6.9 miles)
- - - ASPHALT OVERLAY - CRUSH AND SHAPE - LOCAL (6.2 miles)
- SLURRY SEAL (0.7 miles)
- FULL DEPTH RECLAMATION (0.5 miles)
- SINGLE SEAL AND FOG (47.7 miles)
- - - REGRAVEL - MILLAGE / LOCAL (25.2 miles)
- - - LOCAL OVERBAND CRACK FILL (10.0 miles)
- BRIDGE / CULVERT PROJECT



EATON COUNTY ROAD COMMISSION

CALENDAR YEAR 2021 COMPLETED PROJECTS - URBAN AREA

REV: 02/14/22

- | | |
|---|---|
| <ul style="list-style-type: none"> — ASPHALT OVERLAY - PRIMARY — ASPHALT OVERLAY - MILLAGE / LOCAL — ASPHALT OVERLAY - CRUSH AND SHAPE - PRIMARY - - ASPHALT OVERLAY - CRUSH AND SHAPE - LOCAL | <ul style="list-style-type: none"> — FULL DEPTH RECLAMATION — SINGLE SEAL AND FOG — SLURRY SEAL - - LOCAL OVERBAND CRACK FILL |
|---|---|

