



Eaton County
Road Commission

2021-2022 **Supplemental Annual Report**



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

www.eatoncountyrad.com



SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2021 – SEPTEMBER 30, 2022

Board of Eaton County Road Commissioners



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



Timothy J.
Lamoreaux
VICE CHAIR
Term expires: 12-31-22



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



Benjamin S. Lyons
MEMBER
Term expires: 12-31-25



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

MATHEW M. HANNAHS, 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	19
Local Maintenance Cost - Summary by Township	20
Ten Year History of MTF Revenue, Township Contributions and County Board Appropriations	21
Five Year Township Contributions by Dollar and Per Capita	22
Primary Road Fund Transfers to Local Road Fund 2012-2021	23
Ten Year History of Road Resurfacing	24
History of Annual Pothole Patching Costs	25
Paving Cost Trends	26
Summary of Permit Department Operations	27
Capital Outlay Detail	28
Status of Road Mileage on January 1, 2023	29

INTRODUCTION

The Eaton County Road Commission is responsible for the maintenance of 1,174 miles of road, of which about 392 miles are designated as Primary Roads and 782 miles designated as Local Roads. The local road system includes approximately 502 miles of gravel surfaced roads and 125 miles of subdivision streets.

The county road system is maintained out of three garages located in Vermontville Township, Delta Township, and the main office in the City of Charlotte. In general, 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.

The Road Commission utilizes state Asset Management principals in an effort to keep existing good roads 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.

PROJECT SUMMARY

On Primary Roads in 2022, the Road Commission used road commission funds to widen, crush, shape, and resurface 2.5 miles of Dow Road from M-50 to St. Joe Highway. In addition, 37 miles of sealcoat was applied to extend the life of the existing pavement surfaces. Using federal funds, the Road Commission resurfaced Millett Highway between Canal Road and Creyts Road and Marketplace Boulevard from Delta Market Drive to M-43, including curb and sidewalk improvements. The remaining portion of Marketplace Boulevard from St. Joe Highway to Delta Market Drive was scheduled to be resurfaced in 2022, but delays to the Federal funds pushed that section to be resurfaced in 2023.

On Local Roads, 2022 marked the 8th year of the 12-year road rehabilitation program funded by the county-wide road millage. As part of the millage program, the Road Commission repaired and resurfaced 16.5 miles of paved Local roads, with 8 miles of those roads being pulverized prior to paving. The Road Commission also graded and spread new gravel on 46 miles of existing gravel surfaced roads. The Road Commission has supplemented the millage program with road commission funds to assure a successful program. While the completed millage program projects are noted in the following pages, a supplemental multi-year millage report is available separately.

Utilizing a State and Federal grant program, one Primary Road bridge on Vermontville Highway between Shaytown Road and Bradley Road and four Local Road bridges on Mason Road over the

Thornapple Creek in Vermontville Township; Spicerville Highway over the Battle Creek River in Brookfield Township; Lamie Highway over the Little Thornapple River in Chester Township; and Mahan Highway over the Battle Creek River in Brookfield Township had repairs to the concrete railings and received a new waterproof asphalt surface. A grant from the State and Federal Critical Bridge Program provided 95% of the \$420,000 construction cost.

The Road Commission replaced about 55 crossroad culverts of various sizes on Primary and Local Roads in preparation for upcoming projects. In addition, one large culvert on a local road, Butterfield Highway over the Big Creek Drain, was replaced with cooperation from Walton Township through the Local Road Heavy Maintenance matching program.

STAFFING UPDATE

A big staffing change occurred in 2022. Blair Ballou, the Engineer-Manager at the Eaton County Road Commission, retired after 38 years of service. Blair served as the Assistant County Engineer from 1984-1991 and was promoted to Engineer-Manager in 1991 where he served until his retirement in 2022. The Board of Eaton County Road Commissioners extends to him its best wishes for a long, happy, and healthy retirement.

On August 1, 2022, the Board promoted Mathew Hannahs, P.E. to the position of Engineer-Manager. Mathew served as the Assistant County Engineer at the Road Commission from May of 2006 until his promotion. Prior to working at the Road Commission, Mathew worked for URS Corporation performing site development design, and for Spicer Group performing drain design and construction management. Mathew was also a student intern at the Eaton County Road Commission in 1995 and 1996.

Lauren Doerr has been selected to replace Mathew as the Assistant County Engineer. Lauren attends Michigan State University and has been a student intern with the Eaton County Road Commission for 3 years. Prior to working at the Road Commission, Lauren was a student intern at the Jackson County Department of Transportation for 2 years.

In addition to those changes, we had a skilled labor employee retire and hired a replacement, replaced the Sign Shop supervisor who retired in 2021, hired a replacement for an engineering technician who retired after 36 years, and hired a new finance director.

It was a busy year with a lot of staff changes at the Eaton County Road Commission.

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

Engineer-Manager
 Mathew Hannahs, P.E.

Administrative Services
 Finance Director
Louanna Lawson
 Staff (3)

Road Maintenance & Operations
 Superintendent
Jere Nelson

Sign Department
 Supervisor
Toby Black
 Staff (1)

Engineering Department
 Assistant County Engineer
Vacant
 Staff (3)

Building & Equipment
 Shop Foreman
Vacant
 Staff (4)

DELTA GARAGE

Delta Area
 Area Supervisor
Greg McKillop
 Route Drivers & Equip Operators (4)

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

CHARLOTTE GARAGE

Eaton Rapids and Bellevue Area
 Area Supervisor
Mitch Prosser
 Route Drivers & Equip Operators (9)

- Serves:**
 Benton Township (Winter)
 Brookfield Township
 Eaton Township
 Eaton Rapids Township
 Hamlin Township
 Bellevue Township
 Carmel Township
 Kalamo Township
 Walton Township

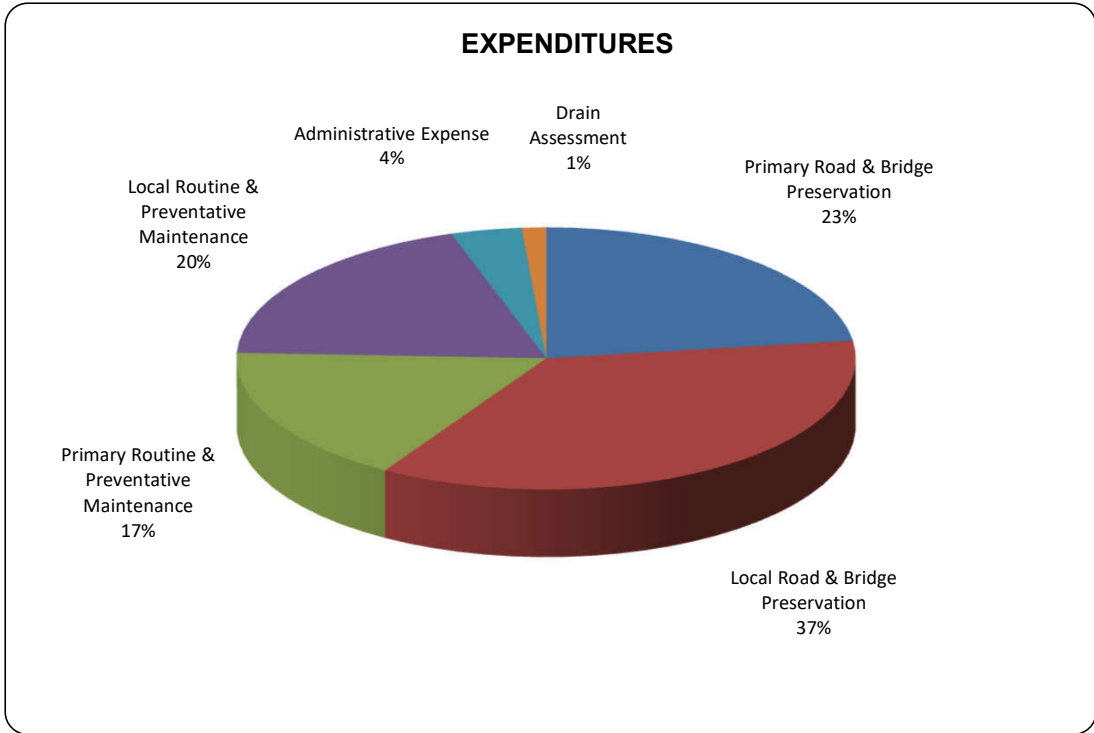
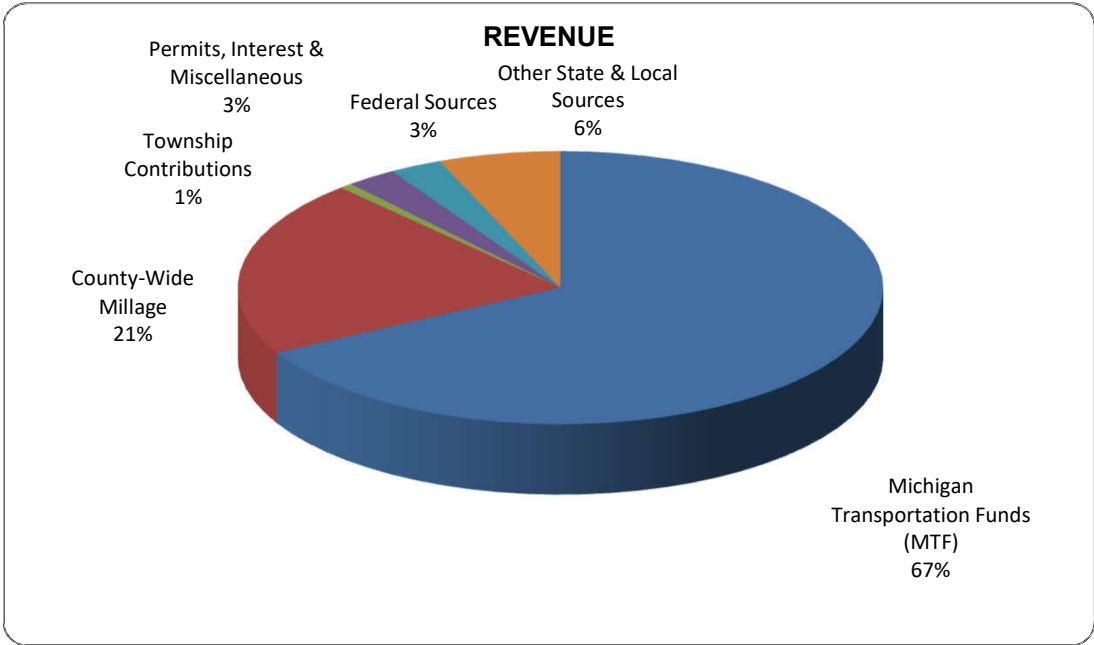
VERMONTVILLE GARAGE

Vermontville Area
 Area Supervisor
Gordan Fyan
 Route Drivers & Equip Operators (4)

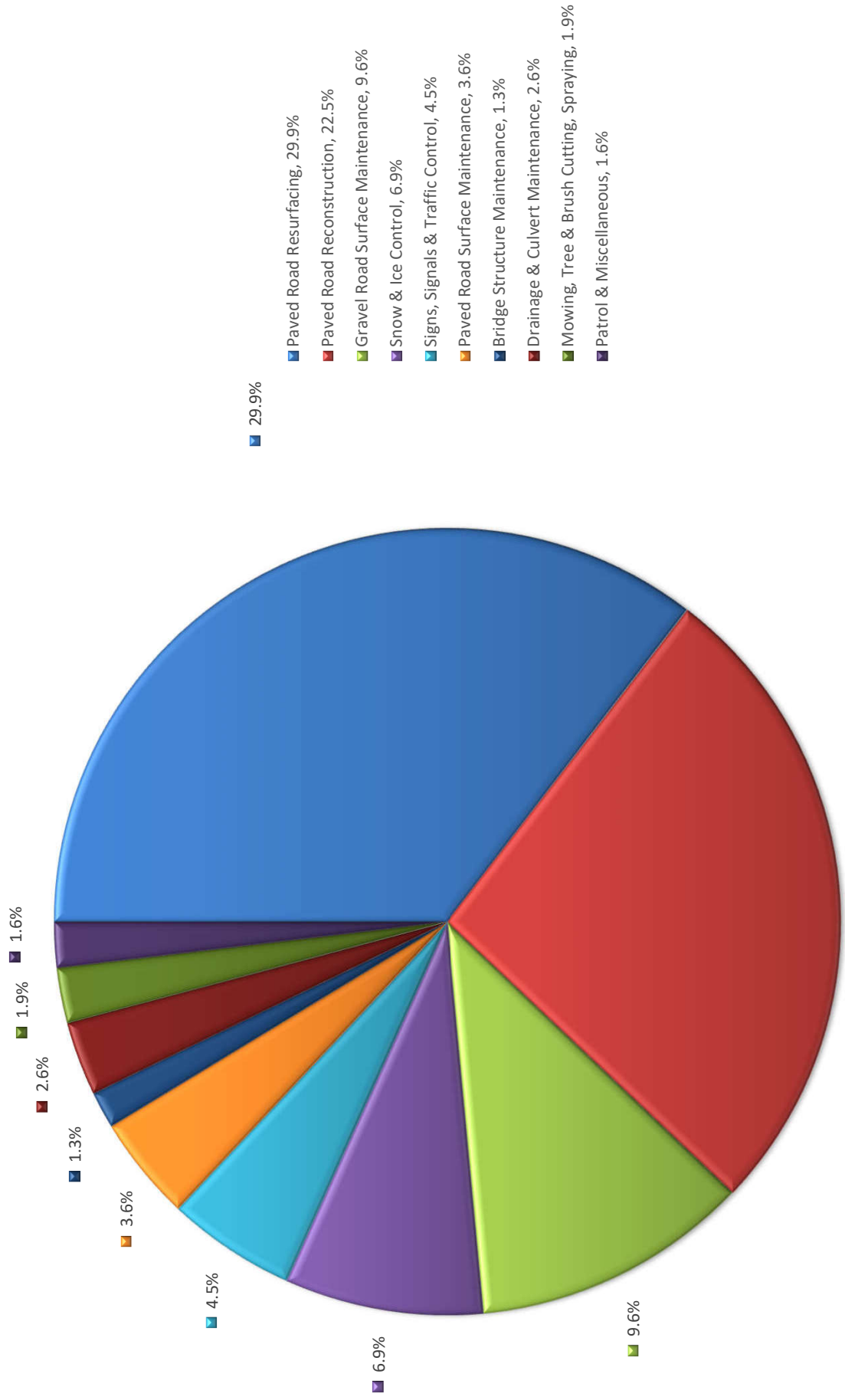
- Serves:**
 Chester Township
 Roxand Township
 Sunfield Township
 Vermontville Township

FINANCIAL SUMMARY

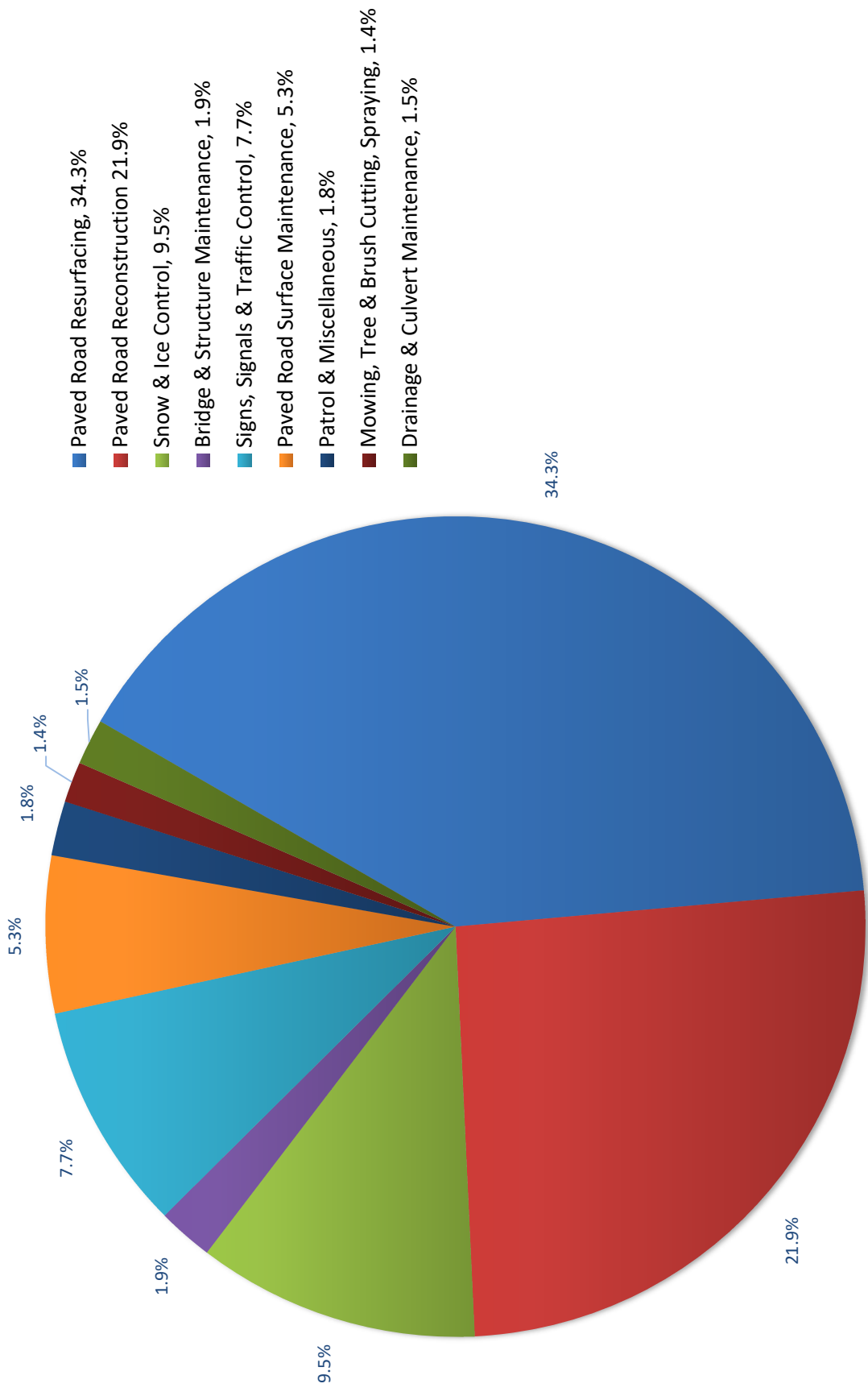
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET
REVENUES					
County-Wide Millage	\$ 4,289,816	\$ 4,408,110	\$ 4,554,261	\$ 4,658,308	\$ 4,922,768
Permit Revenue	81,930	95,365	82,500	108,485	\$ 85,000
Intergovernmental:					
Federal Sources	2,417,537	1,676,552	3,002,892	585,277	\$ 3,107,756
Michigan Transportation Funds	12,757,871	13,298,859	14,411,240	14,888,654	\$ 15,320,890
Other State Sources	1,862,096	135,817	410,605	1,338,181	\$ 461,985
Township Contributions	772,747	151,142	359,499	147,248	\$ 170,849
Other Local Sources	25,204	32,459	48,500	18,599	\$ -
Charges for Services	2,964	281	2,260	7,231	\$ -
Interest and Rentals	213,741	71,584	945	40,942	\$ 60,000
Other Revenue	72,399	96,890	53,358	403,032	\$ 100,000
Total Revenues	\$ 22,496,305	19,967,059	\$ 22,926,060	\$ 22,195,957	\$ 24,229,248
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ -		\$ -	\$ -	\$ -
Preservation/Structural Improvements	10,333,681	\$ 6,597,945	7,710,071	4,580,680	6,112,070
Routine Maintenance	1,672,063	1,703,984	1,917,870	2,168,632	4,500,000
Preventative Maintenance	1,548,892	1,334,187	1,964,833	1,230,880	2,974,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	4,182,711	5,160,120	5,116,267	7,191,340	4,951,840
Routine Maintenance	2,971,591	2,946,197	3,386,131	3,793,861	2,729,000
Preventative Maintenance	-	-	-	91,241	-
Equipment Expense (net)	202,740	37,464	(829,003)	(249,915)	300,000
Administration (net)	741,702	799,076	747,943	742,534	810,000
Maintenance Service for Other Units	76,463	73,970	58,992	47,383	100,000
Non-Road Projects	793,933	17,950	-	-	-
Capital Outlay (net)	637,685	129,676	231,505	(157,163)	1,883,000
Debt Service	-	-	-	-	-
Drain Assessment	199,547	218,789	246,618	255,984	300,000
Total Expenditures	\$ 23,361,008	\$ 19,019,359	\$ 20,551,227	\$ 19,695,457	\$ 24,659,910
Net Revenues (Expenditures)	(864,703)	947,700	2,374,832	2,500,500	(430,662)
Fund Balance at Beginning of Year	8,771,392	7,906,689	8,854,389	11,229,221	13,729,722
Fund Balance at End of Year	\$ 7,906,689	\$ 8,854,389	\$ 11,229,221	\$ 13,729,722	\$ 13,299,060



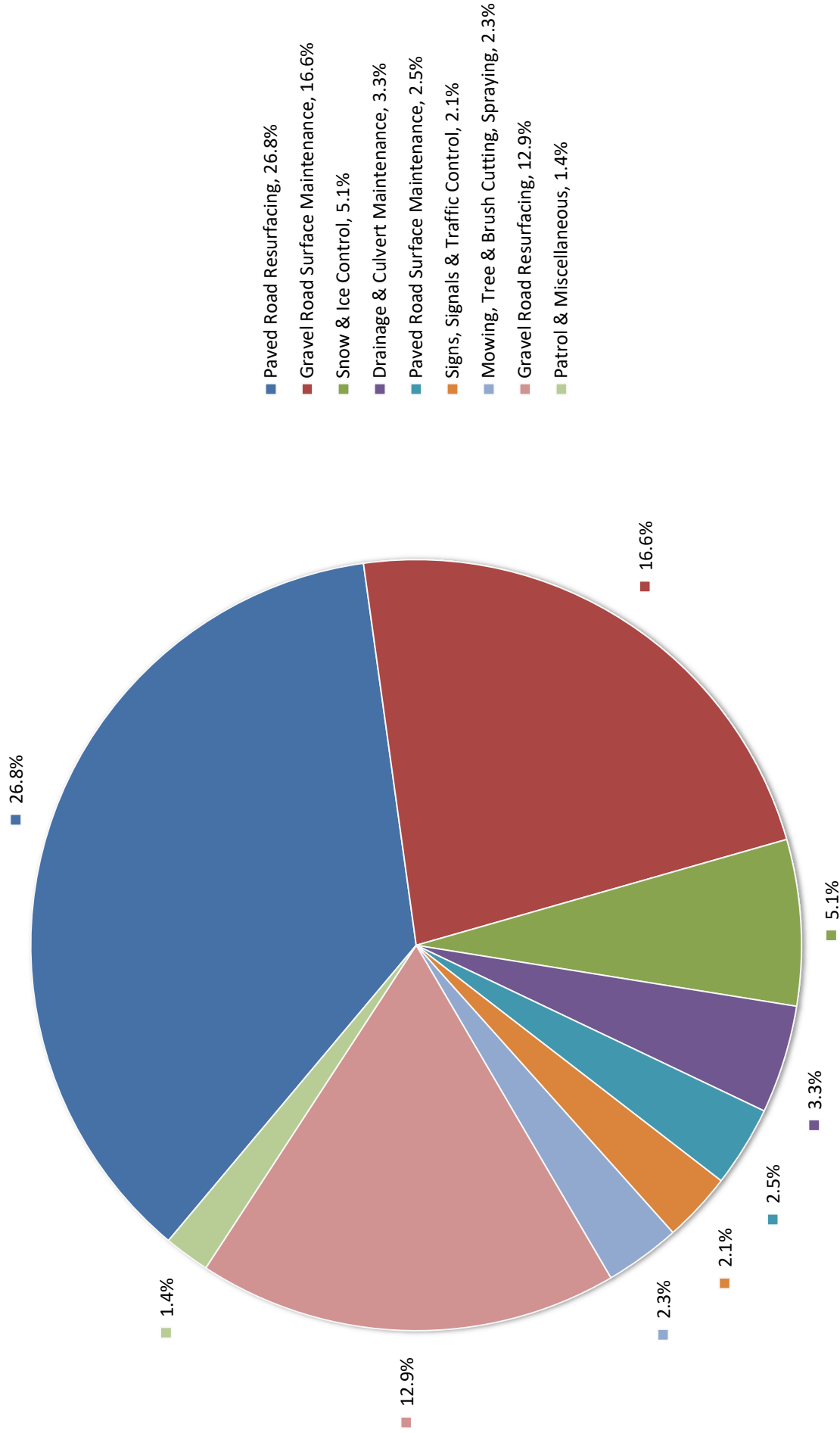
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	4,580,680
Total Preventative Maintenance Projects	<u>1,230,880</u>
Total Primary Road and Bridge Projects	<u><u>5,811,560</u></u>

Local Roads:

Total Construction/Capacity Improvement Projects	-
Total Preservation/Structural Improvement Projects	7,191,340
Total Preventative Maintenance Projects	<u>91,241</u>
Total Local Road and Bridge Projects	<u><u>7,282,581</u></u>

Grand Total	<u><u>13,094,141</u></u>
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2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Ionia Rd, Baseline Hwy to Butterfield Hwy	1.00 mi	31,546
Lacey Lake Rd, Hall Rd to Five Point Hwy	3.44 mi	122,400

Final Expenditures for Prior Year Projects 14,318

Local Roads:

Local Road Millage Regravel:

Curtis Rd, Link Hwy to Five Point Hwy	2.53 mi	74,215
Hill Rd, Assyria Hwy to Five Point Hwy	3.03 mi	82,613

Final Expenditures for Prior Year Projects -

Bellevue Township Total

325,092

Bellevue Township Contributions

-

BENTON TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Otto Rd, Doane Hwy to Needmore Hwy	0.44 mi	9,876
Vermontville Hwy, Cochran Rd to City Limit	8.34 mi	131,248

Final Expenditures for Prior Year Projects 36,598

Local Roads:

Local Road Millage Regravel:

McConnell Hwy, Cochran Rd to End of Pavement	3.34 mi	118,802
Shance Hwy, Hartel Rd to Its End	0.85 mi	35,117

Final Expenditures for Prior Year Projects 84

Benton Township Total

331,726

Benton Township Contributions

-

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BROOKFIELD TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 5,419

Local Roads:

Bridge Improvement:

Mahan Hwy Bridge, Sherman Rd to Brookfield Rd 80,730

Spicerville Hwy Bridge, Sherman Rd to Brookfield Rd 63,836

Local Road Millage Regravel:

Nye Hwy, Sherman Rd to Royston Rd 5.00 mi 92,344

Brookfield Rd, Mahan Hwy to Five Point Hwy 3.05 mi 55,416

Final Expenditures for Prior Year Projects 2,499

Brookfield Township Total 300,244

Brookfield Township Contributions -

CARMEL TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Ainger Rd, Five Point Hwy to Kalamo Hwy 2.01 mi 68,970

Chester Rd, Kalamo Hwy to Lawrence Hwy 2.02 mi 64,142

Final Expenditures for Prior Year Projects 11,964

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Carlisle Hwy, Stine Rd to Gregory Ln 1.83 mi 313,919

Final Expenditures for Prior Year Projects 11,231

Carmel Township Total 470,226

Carmel Township Contributions -

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CHESTER TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Mulliken Rd, Needmore Hwy to Clinton Tr	2.42 mi	59,486
Vermontville Hwy, Clinton Tr to Cochran Rd	2.84 mi	43,738

Final Expenditures for Prior Year Projects 4,287

Local Roads:

Bridge Improvement:

Lamie Hwy Bridge, Mulliken Rd to Stine Rd		108,077
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Local Road Millage Regravel:

Ainger Rd, Kinsel Hwy to Vermontville Hwy	2.01 mi	68,134
Bolock Hwy, Wheaton Rd to Hubbard Rd	1.50 mi	49,338
Kinsel Hwy, Stine Rd to Bradley Rd	3.10 mi	109,747

Final Expenditures for Prior Year Projects 986

Chester Township Total

443,793

Chester Township Contributions

-

DELTA TOWNSHIP

Primary Roads:

Mill & Overlay 2":

Broadbent Rd, M-43 to Willow Hwy	1.01 mi	166,960
Canal Rd, Joint N of M-43 to Joint S of E W	0.15 mi	91,421
St. Joe Hwy, Creyts Rd to Snow Rd	1.01 mi	314,340

Mill & Overlay 3":

Millett Hwy, Canal Rd to Creyts Rd	1.00 mi	508,701
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Rehabilitate:

Mt. Hope Hwy, Nixon Rd to I-96 Overpass	1.80 mi	126,462
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Sealcoat w/ Fog Seal:

Davis Hwy, Guinea Rd to Canal Rd	1.00 mi	48,463
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Left Turn Lane

Creyts Rd, Mt Hope Hwy to I-496		92,454
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Traffic Signal

Creyts Rd, Mt Hope Hwy to I-496		186,088
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Final Expenditures for Prior Year Projects 29,652

Initial Expenditures for Future Projects 8,151

Local Roads:

Resurface:

Celtic Ln, Knockaderry Dr to E of Ireland Dr	0.47 mi	17,143
Ireland Dr, S of Mallow Ln to End	0.18 mi	47,290
Knockaderry Dr, S of Mallow Ln to Ireland Dr	0.21 mi	57,547

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP cont.

Local Roads:

Local Road Millage Paved Road Resurface:

Alan Ln, Bradford Ln to Its End	0.38 mi	92,002
Alexandria Dr, Remington Way to Arlington Dr E	0.27 mi	54,582
Alisa Ln, Lochgreen Dr to Prestwick Dr	0.06 mi	16,532
Amor Ln, Willow Hwy to Its End	0.25 mi	56,530
Anacapri Blvd, Creyts Rd to St. Joe Hwy	0.46 mi	388,784
Arlington Dr E, St. Joe Hwy to Its End	0.47 mi	95,507
Bennington Dr, Trenton Pl to Its End	0.46 mi	91,658
Bluestone Dr, Creyts Rd to Settlers Hill Dr	0.12 mi	10,057
Bradford Ln, Willowbrook Dr to Its End	0.21 mi	41,442
Cabrena Dr, Smokedrift Ln to Riley Ridge Dr	0.12 mi	42,568
Camden Dr, Arlington Dr E to Remington Way	0.18 mi	41,567
Carlson Rd, West Greenfield Rd to Broadbent Rd	0.20 mi	27,504
East Greenfield Rd, Amor Ln to Its End	0.11 mi	29,885
East Greenfield Rd, Greenfield Rd to Its End	0.48 mi	45,177
Greenfield Rd, E/W Greenfield Rd to M-43	0.07 mi	16,581
Grenoble Cir, Grenoble Dr to End of Loop	0.20 mi	38,467
Lochgreen Dr, St. Joe Hwy to Its End	0.23 mi	69,073
Pembroke Pl, Princeton Dr to Bennington Dr	0.16 mi	20,566
Prestwick Dr, St. Joe Hwy to Its End	0.26 mi	65,968
Princeton Dr, St. Joe Hwy to Bennington Dr	0.15 mi	34,798
Remington Way, Alexandria Dr to Camden Dr	0.09 mi	18,439
Riley Ridge Dr, Willowbrook Dr to Cabrena Dr	0.28 mi	80,651
Settlers Hill Dr, Windcharme Ave to Its End	0.14 mi	39,915
Smokedrift Ln, Cabrena Dr to Its End	0.13 mi	46,044
Starkweather Dr, M-43 to Its End	0.09 mi	22,095
Stoney Point Dr, Riley Ridge Dr to Its End	0.22 mi	58,124
Strawflower Cir, Blue Stone Dr to Its End	0.06 mi	21,513
Sunchase Cir, Riley Ridge Dr to Its End	0.06 mi	22,686
Trenton Pl, Bennington Dr to Alexandria Dr	0.29 mi	81,755
Upton Rd, M-43 to St. Joe Hwy	0.98 mi	209,573
Vista Ave, Broadbent Rd to Its End	0.27 mi	77,629
Walmar Dr, Willow Hwy to Bradford Ln	0.11 mi	18,610
West Greenfield Rd, Amor Ln to Its End	0.16 mi	37,840
West Greenfield Rd, Carlson Rd to Greenfield Rd	0.25 mi	74,817
Westshire St, Canal Rd to M-43	0.55 mi	163,986
Willowbrook Dr, Alan Ln to Its End	0.33 mi	63,024
Windcharme Ave, Alan Ln to Settlers Hill Dr	0.17 mi	36,329
Wyeth Dr, Montevideo Dr to Trenton Pl	0.06 mi	11,915
<i>Final Expenditures for Prior Year Projects</i>		13,787
<i>Initial Expenditures for Future Projects</i>		394

Delta Township Total

4,073,048

Delta Township Contributions

218,497

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP

Primary Roads:

Bridge Bundling

Five Point Hwy Bridge 1,181,085

Sealcoat w/ Fog Seal:

Brookfield Rd, M-50 to Narrow Lake Rd 1.00 mi 30,433

Narrow Lake Rd, Brookfield Rd to Mills Hwy 1.44 mi 32,991

Final Expenditures for Prior Year Projects 14,617

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Flanders Rd, M-50 to Narrow Lake Rd 1.46 mi 408,915

Local Road Millage Paved Road Resurface:

Kimberly Dr, Otto Rd to Its End 0.13 mi 23,650

Final Expenditures for Prior Year Projects 34,315

Eaton Township Total

1,726,006

Eaton Township Contributions

-

EATON RAPIDS TOWNSHIP

Primary Roads:

Overlay 2":

Royston Rd, M-50 to Island Hwy 2.44 mi 317,275

Final Expenditures for Prior Year Projects 4,577

Initial Expenditures for Future Projects 5,355

Local Roads:

Local Road Millage Regravel:

Bunker Hwy, Waverly Rd to End of Pavement 0.97 mi 37,402

Petrieville Hwy, Canal Rd to M-99 1.15 mi 33,393

Smith Rd, Columbia Hwy to Wilbur Hwy 1.03 mi 29,166

Smith Rd, Island Hwy to M-99 2.62 mi 78,531

Eaton Rapids Township Total

505,698

Eaton Rapids Township Contributions

-

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Bellevue Hwy, Clinton Tr to Waverly Rd	2.59 mi	81,473
<i>Final Expenditures for Prior Year Projects</i>		17,867
<i>Initial Expenditures for Future Projects</i>		2,324

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Houston Rd, Holmes Rd to Kinneville Rd	1.26 mi	321,876
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Local Road Millage Regravel:

Buck Hwy, Wilson Rd to M-99	0.78 mi	19,423
Wilson Rd, Springport Rd to Holmes Hwy	0.36 mi	8,877

Sealcoat w/ Fog Seal:

Holmes Hwy, Royston Rd to M-99	3.00 mi	91,241
<i>Final Expenditures for Prior Year Projects</i>		6,822

Hamlin Township Total

549,902

Hamlin Township Contributions

-

KALAMO TOWNSHIP

Primary Roads:

<i>Final Expenditures for Prior Year Projects</i>		3,370
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Local Roads:

Local Road Millage Regravel:

Howard Hwy, Lacey Lake Rd to Bradley Rd	0.51 mi	16,813
Shaytown Rd, Kalamo Hwy to Carlisle Hwy	1.00 mi	39,853
Swift Rd, Five Point Hwy to Carlisle Hwy	3.11 mi	108,800
Wildt Hwy, Ionia Rd to Swift Rd	1.51 mi	51,876

Culvert Replacement:

Pease Rd, Carlisle Hwy to M-79		20,182
<i>Final Expenditures for Prior Year Projects</i>		646

Kalamo Township Total

241,539

Kalamo Township Contributions

-

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ONEIDA TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Benton Rd, Grand Ledge Hwy to Eaton Hwy	2.05 mi	33,190
Needmore Hwy, Cochran Rd to Otto Rd	1.95 mi	47,874

Final Expenditures for Prior Year Projects: 1,358

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Benton Rd, M-43 to St. Joe Hwy	2.01 mi	564,846
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Local Road Millage Regravel:

Tallman Rd, County Line to City Limits	0.53 mi	19,194
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Final Expenditures for Prior Year Projects: 4,077

Oneida Township Total 670,539

Oneida Township Contributions -

ROXAND TOWNSHIP

Primary Roads:

Crush & Shape, Overlay 3":

Dow Rd, M-50 to St. Joe Hwy	2.50 mi	1,301,214
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Sealcoat w/ Fog Seal:

Mulliken Rd, Grand Ledge Hwy to Needmore Hwy	5.00 mi	107,321
Needmore Hwy, Clinton Tr to Cochran Rd	5.50 mi	136,231

Final Expenditures for Prior Year Projects:

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

St. Joe Hwy, Gates Rd to Dow Rd	1.03 mi	267,667
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Final Expenditures for Prior Year Projects: 8,366

Roxand Township Total 1,820,800

Roxand Township Contributions -

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUNFIELD TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 31,044

Local Roads:

Local Road Millage Crush, Shape and Asphalt Overlay:

Shaytown Rd, M-43 to End of Pavement 1.22 mi 327,031

Local Road Millage Regravel:

Saginaw Hwy, Sunfield Rd to Dow Rd 2.00 mi 72,497

Final Expenditures for Prior Year Projects 51,504

Sunfield Township Total

482,078

Sunfield Township Contributions

-

VERMONTVILLE TOWNSHIP

Primary Roads:

Bridge Repair:

W Vermontville Hwy Brdg, Shaytown Rd to Bradley Rd 136,026

Final Expenditures for Prior Year Projects 13,519

Local Roads:

Bridge Repair:

Mason Rd Bridge, Nashville Hwy to Scipio Hwy 94,162

Initial Expenditures for Future Projects 1,799

Vermontville Township Total

245,507

Vermontville Township Contributions

-

2021-2022

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WALTON TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Ainger Rd, Battle Creek Rd to Five Point Hwy	1.39 mi	47,917
Final Expenditures for Prior Year Projects		8,866

Local Roads:

Local Road Millage Paved Road Resurface:

Spicerville Hwy, Stine Rd to End of Pavement	0.51 mi	53,705
Sherwood Hwy, Olivet CL to End of Pavement	0.78 mi	90,360

Local Road Millage Regravel:

Matthews Rd, Five Point Hwy to Its End	0.35 mi	9,998
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Culvert Replacement:

Butterfield Culvert, between Matthews Rd and Cochran Rd		77,897
Final Expenditures for Prior Year Projects		93

Walton Township Total

288,836

Walton Township Contributions

-

WINDSOR TOWNSHIP

Primary Roads:

Sealcoat w/ Fog Seal:

Canal Rd, Lansing Rd to Davis Hwy	0.95 mi	64,374
Final Expenditures for Prior Year Projects		16,973

Local Roads:

Asphalt Overlay:

Anchor Cove, Lakeview Cir to End	0.17 mi	30,409
Highland Ct, Isaac Ln to Bailey Rd	0.20 mi	67,967
Isaac Ln, Highland Ct to Jacob Ct	0.16 mi	28,062
Jacob Ct, Isaac Ln to End	0.10 mi	46,334
Lakeview Cir, Strobel Rd to Anchor Cove	0.09 mi	31,314

Local Road Millage Crush, Shape and Asphalt Overlay:

Gunnell Rd, Windsor Hwy S to curve	0.98 mi	283,488
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Local Road Millage Regravel:

Smith Rd, Wilbur Hwy to Vermontville Hwy	2.00 mi	69,990
Wilbur Hwy, Smith Rd to M-99	0.98 mi	31,437
Final Expenditures for Prior Year Projects		37,113

Windsor Township Total

707,461

Windsor Township Contributions

-

2021-2022

PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 96,296	18.40	\$ 5,233
Benton	125,726	28.13	4,469
Brookfield	63,126	18.33	3,444
Carmel	124,676	23.36	5,337
Chester	73,957	13.70	5,398
Delta	461,660	55.85	8,266
Eaton	140,169	25.99	5,393
Eaton Rapids	84,328	24.09	3,501
Hamlin	110,132	26.30	4,188
Kalamo	67,772	18.30	3,703
Oneida	100,309	23.51	4,267
Roxand	243,980	20.72	11,775
Sunfield	108,288	22.80	4,749
Vermontville	101,355	17.51	5,788
Walton	101,833	23.09	4,410
Windsor	157,544	31.54	4,995
Total Primary Maintenance	\$ 2,161,153	391.62	\$ 5,518

2021-2022 LOCAL ROAD ROUTINE MAINTENANCE

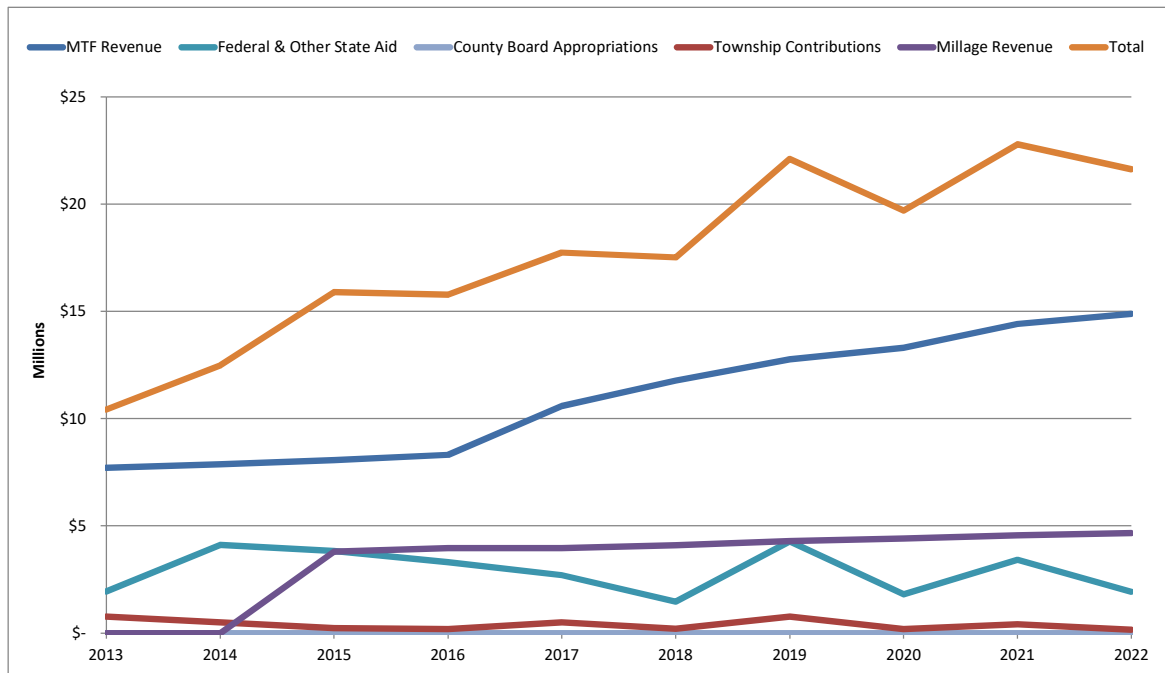
SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 213,461	48.67	\$ 4,386
Benton	180,759	33.62	5,377
Brookfield	229,582	53.97	4,254
Carmel	199,597	42.25	4,724
Chester	225,479	48.62	4,638
Delta	382,629	113.09	3,383
Eaton	190,762	41.98	4,544
Eaton Rapids	204,818	43.29	4,731
Hamlin	238,059	44.82	5,311
Kalamo	235,770	47.62	4,951
Oneida	205,515	40.35	5,093
Roxand	239,008	44.59	5,360
Sunfield	180,430	37.41	4,823
Vermontville	221,015	42.13	5,246
Walton	230,872	47.43	4,868
Windsor	311,781	53.10	5,872
Total Local Maintenance	\$ 3,689,538	782.94	\$ 4,712

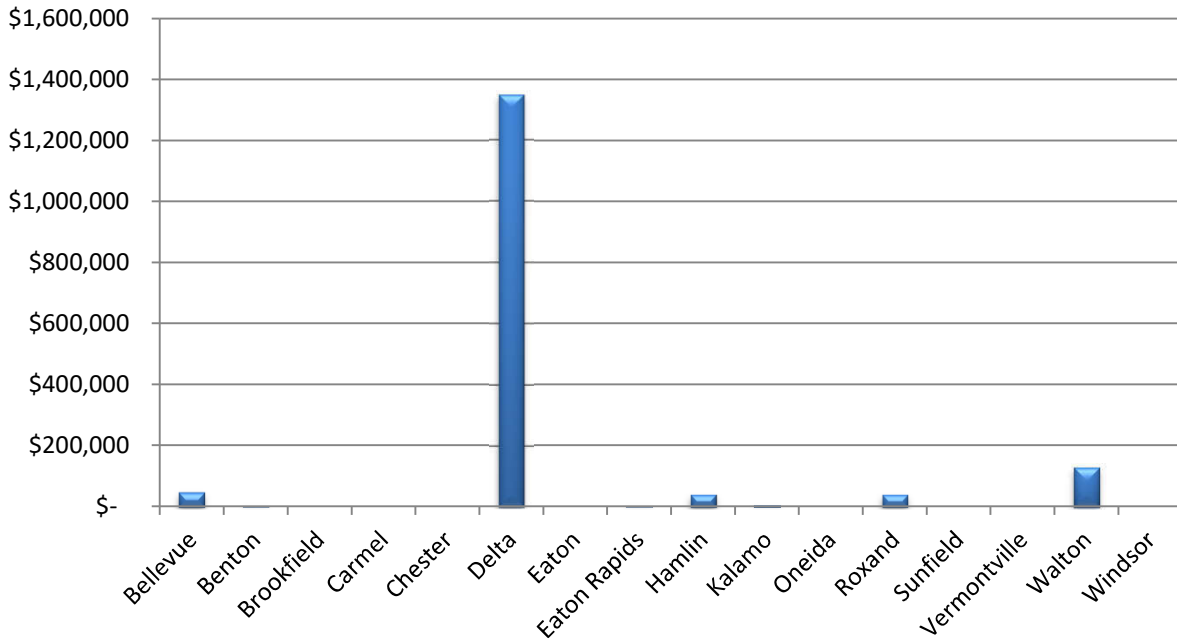
TEN YEAR HISTORY

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

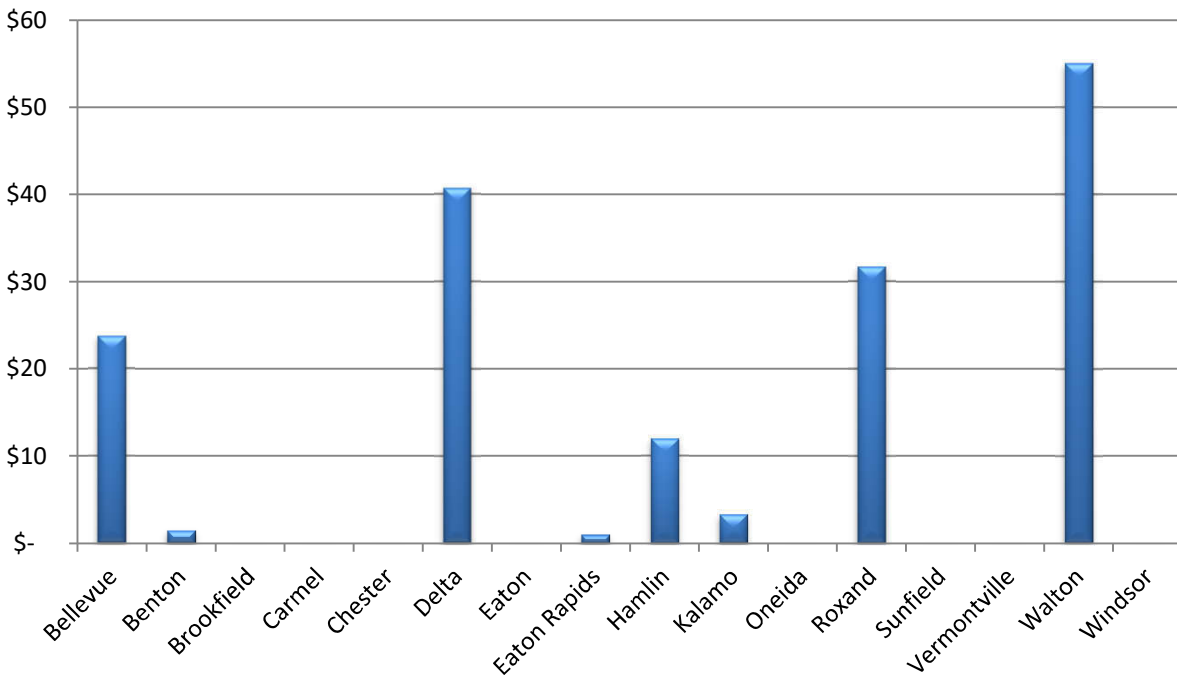
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2013	7,695,041	1,943,833	-	773,359	-	10,412,233	10.1%
2014	7,871,876	4,112,744	-	500,127	-	12,484,747	6.4%
2015	8,057,044	3,821,769	-	228,788	3,790,275	15,897,876	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%
2022	14,888,654	1,923,458	-	165,847	4,658,308	21,636,267	1.1%

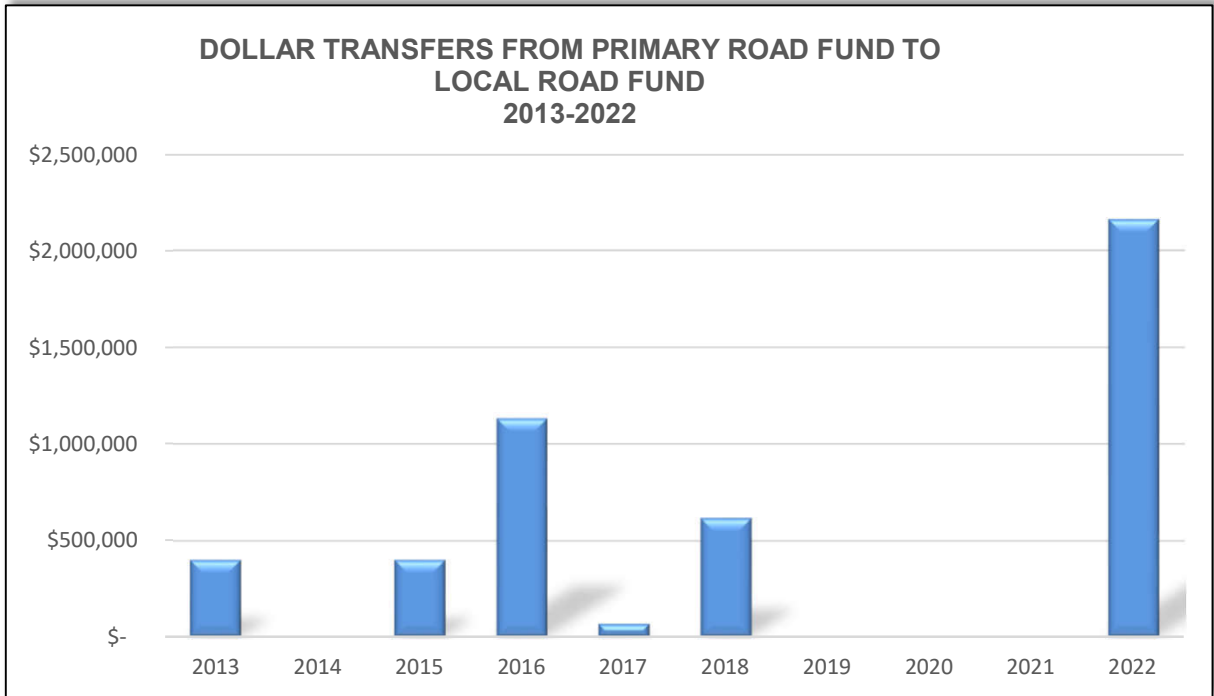
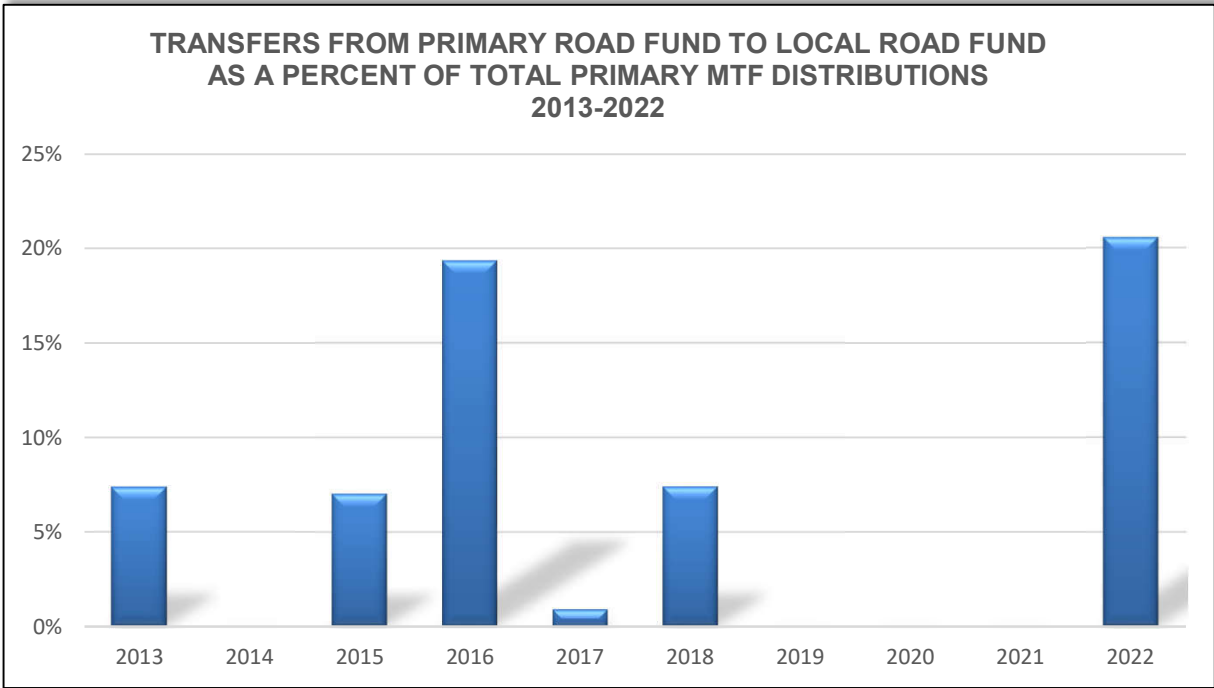


Five Year Township Contributions by Dollar to Primary and Local Roads



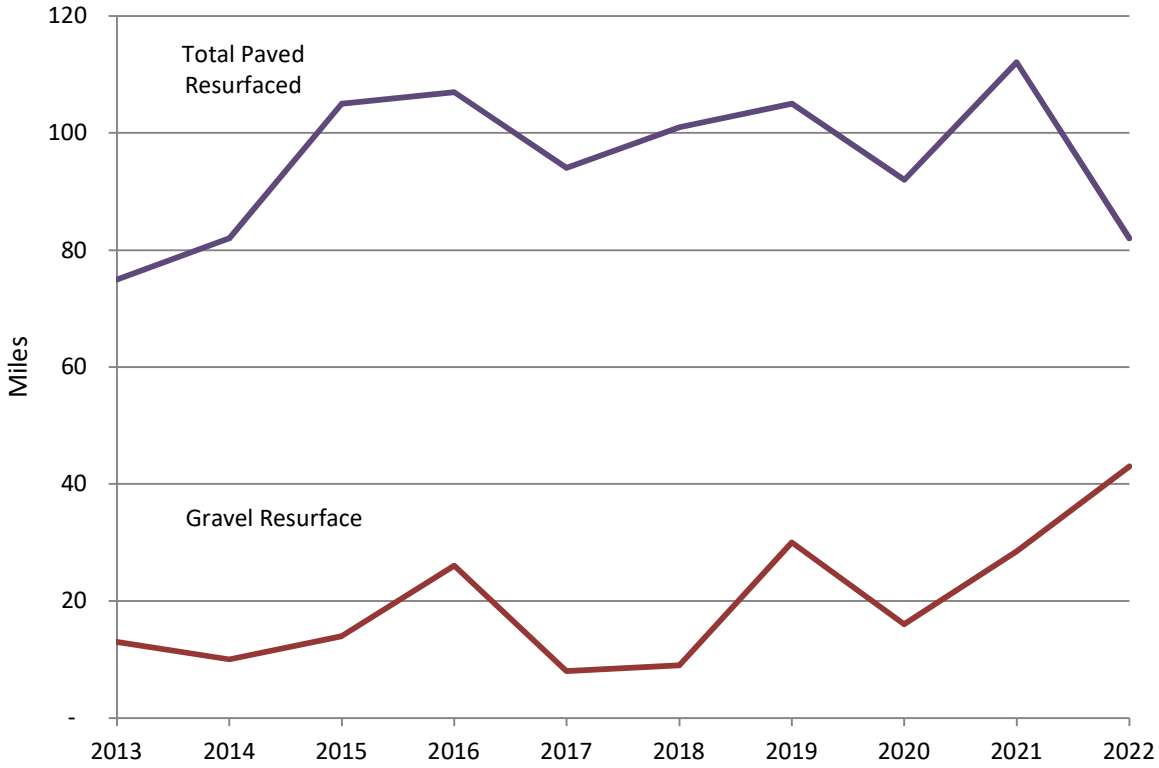
Five Year Township Contributions Per Capita to Primary and Local Roads





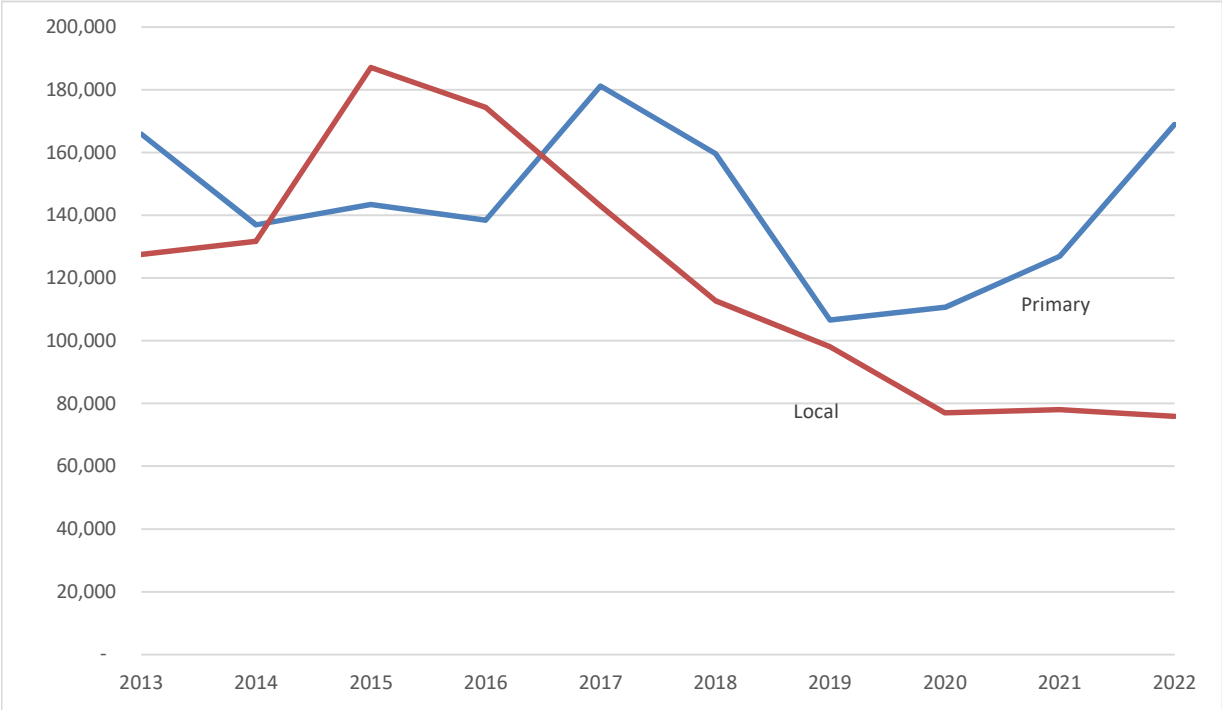
TEN YEAR HISTORY ROAD RESURFACING

YEAR	PRIMARY PAVED MILES RESURFACED	LOCAL PAVED MILES RESURFACED	TOTAL PAVED MILES RESURFACED	LOCAL MILES GRAVELED
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
2022	58	24	82	43

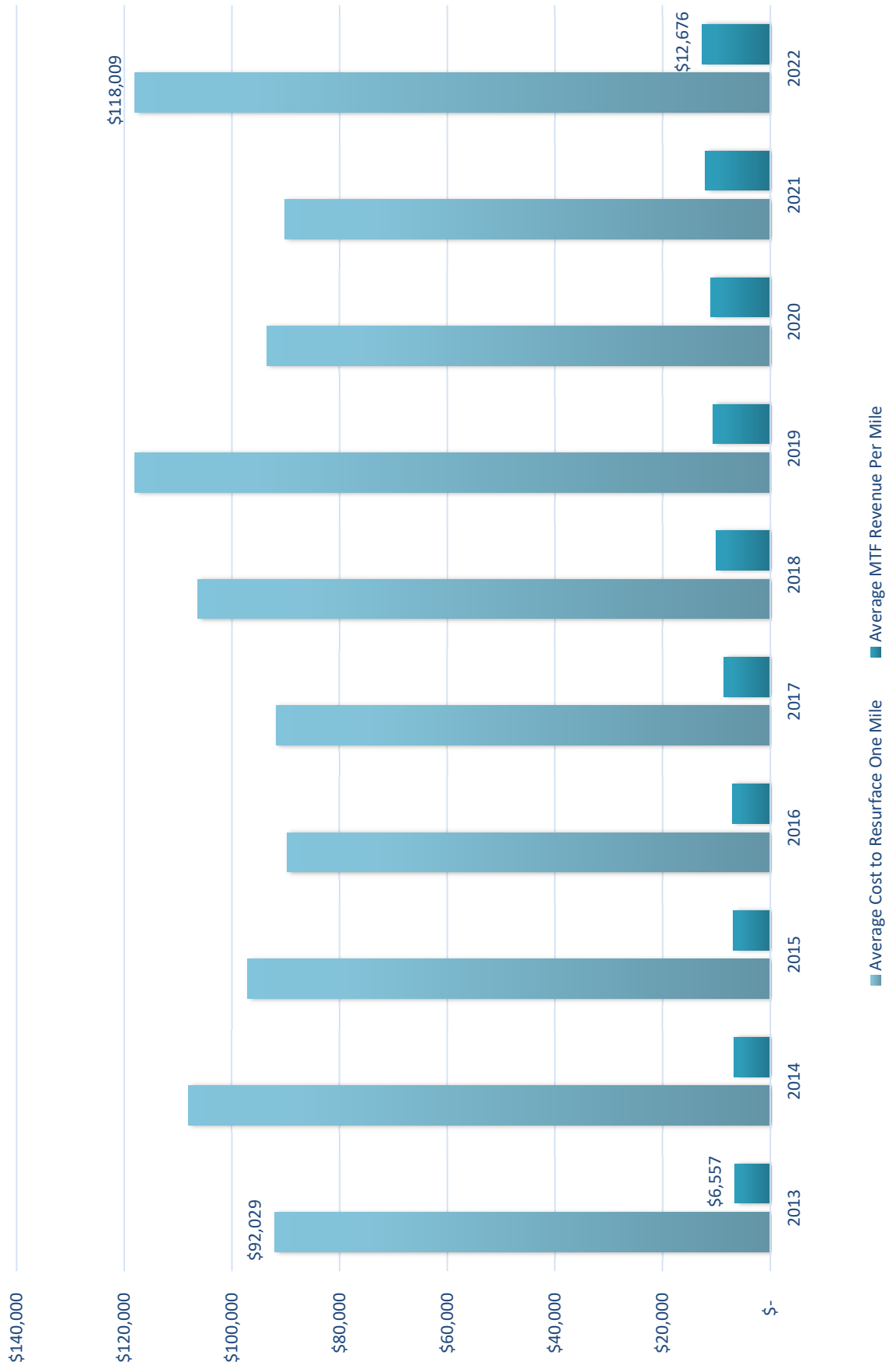


ANNUAL POTHOLE PATCHING COSTS

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
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
2022	289	109	398	169,002	75,939	244,941	432	270	616



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	368	
Single Move Permits	432	
Driveway Permits	144	
Utility Permits	228	
Building Move Permits	-	
Tap In Permits	-	
Road Bore	-	
		<hr/>
		\$ 92,485
Highway Permits/Bituminous Road Cuts	40	\$ 16,000
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	23	
Total Permit Fees Collected		<u><u>\$ 108,485</u></u>

2021-2022

CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Charlotte Roof Repair	\$ 23,819
Charlotte Shop M.A.U. Furnace Replacement	34,002
Miscellaneous Building Repairs	3,166
Total Building and Yard & Storage	<u>\$ 60,987</u>

Road Equipment

1 Sign Truck & Equipment	\$ 85,987
2 Tandem Truck / Equipment	246,234
2 1 Ton Patch Trucks	85,245
2 Hot Patch Truck Inserts	26,592
1 John Deere Tractor / Diamond Mower	146,150
Miscellaneous Road Equipment	11,354
Total Road Equipment	<u>\$ 601,561</u>

Shop Equipment

Miscellaneous Shop Equipment	\$ -
Total Shop Equipment	<u>\$ -</u>

Engineering Equipment

5 Traffic Data Recorders	\$ 7,975
Total Engineering Equipment	<u>\$ 7,975</u>

Office Equipment

	\$ -
Total Office Equipment	<u>\$ -</u>

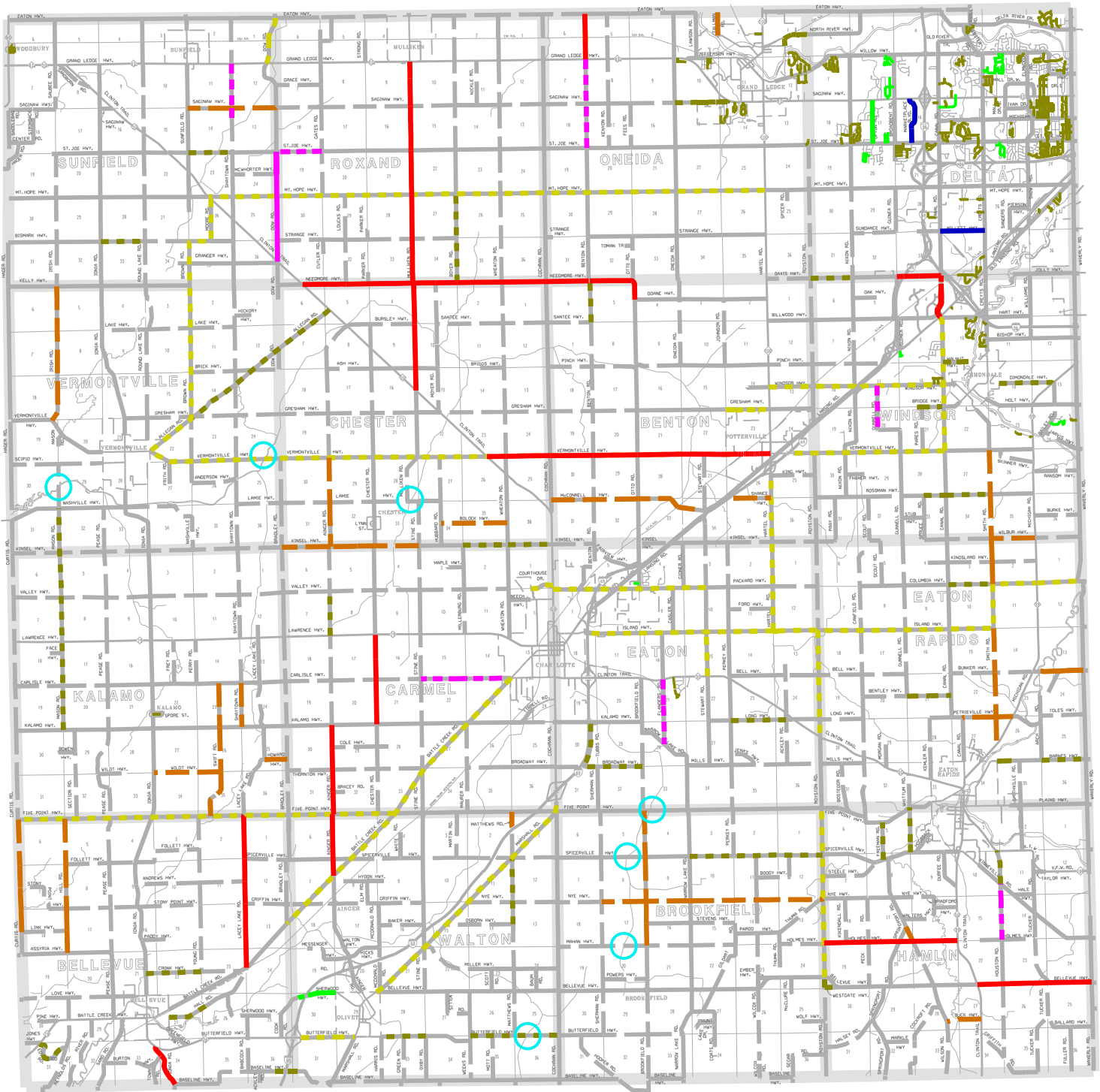
Total 2021-2022 Capital Outlay	<u>\$ 670,523</u>
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STATUS OF ROAD MILEAGE JANUARY 1, 2023

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	6.60	6.94	98.62	0.93	113.09	168.94	161.07	95.34%	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	26.30	-	26.30	13.00	31.72	-	0.10	44.82	71.12	39.30	55.26%	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	391.62	-	391.62	156.25	500.25	124.79	1.65	782.94	1,174.56	672.66	57.27%	501.90

EATON COUNTY ROAD COMMISSION CALENDAR YEAR 2022 COMPLETED PROJECTS

- ASPHALT OVERLAY - PRIMARY (XXX miles)
- ASPHALT OVERLAY - MILLAGE / LOCAL (13.3 miles)
- SAMI + ASPHALT OVERLAY (X.X miles)
- ASPHALT OVERLAY - CRUSH & SHAPE - PRIMARY (2.5 miles)
- - - ASPHALT OVERLAY - CRUSH & SHAPE - MILLAGE/LOCAL (6.8 miles)
- FEDERAL AID (5.5 miles)
- REGRAVEL - MILLAGE / LOCAL (46.3 miles)
- - - PRIMARY OVERBAND CRACK FILL (90.0 miles)
- - - LOCAL OVERBAND CRACK FILL (93.7 miles)
- SINGLE SEAL AND FOG (36.0 miles)
- BRIDGE / LARGE CULVERT PROJECT



EATON COUNTY ROAD COMMISSION

CALENDAR YEAR 2022 COMPLETED PROJECTS - URBAN AREA

- | | |
|--|--|
| <ul style="list-style-type: none"> — ASPHALT OVERLAY - PRIMARY (XXX miles) — ASPHALT OVERLAY - MILLAGE / LOCAL (13.3 miles) — SAMI + ASPHALT OVERLAY (X.X miles) — ASPHALT OVERLAY - CRUSH & SHAPE - PRIMARY (2.5 miles) - - - ASPHALT OVERLAY - CRUSH & SHAPE - MILLAGE/LOCAL (6.8 miles) | <ul style="list-style-type: none"> — FEDERAL AID (5.5 miles) - - - REGRAVEL - MILLAGE / LOCAL (46.3 miles) - - - PRIMARY OVERBAND CRACK FILL (90.0 miles) - - - LOCAL OVERBAND CRACK FILL (93.7 miles) — SINGLE SEAL AND FOG (36.0 miles) |
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