

SUPPLEMENTAL ANNUAL REPORT



2016-2017

Eaton County Road Commission

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

www.eatoncountyroad.com

Version 3-19



SUPPLEMENTAL ANNUAL REPORT

OCTOBER 1, 2016 – SEPTEMBER 30, 2017

Board of Eaton County Road Commissioners



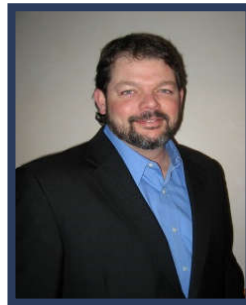
Duane A. Eldred
CHAIR
Term expires: 12-31-19



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



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



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



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

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

LORI N. FRIEDLIS, CPA, FINANCE DIRECTOR

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INTRODUCTION

The Eaton County Road Commission was established in 1912 by resolution of the County Board of Supervisors and charged by law with the duty “to keep in reasonable repair, so that they shall be reasonably safe and convenient for public travel, all county roads, bridges, and culverts that are under their care and control, and which are open to public travel.” State law also requires the Road Commission to permit and regulate certain activities in road right-of-way, authorizes the Road Commission to set reasonable standards for adopting new roads into the county system and to enforce state restrictions on vehicle size and weight on county roads.

Over the past 106 years, the Eaton County road system has grown to include over 391 miles that are now designated as Primary roads. Passage of the McNitt Act in 1931 abolished the old township road system and transferred over 650 miles of township roads to the Road Commission. These old township roads, together with over 120 miles of subdivision streets built since that time, make up what is now the nearly 783 mile system of County Local roads. Overall, 57%, or 676 miles, of all Eaton County roads are paved, with the remaining 500 miles being gravel surfaced but otherwise unimproved.



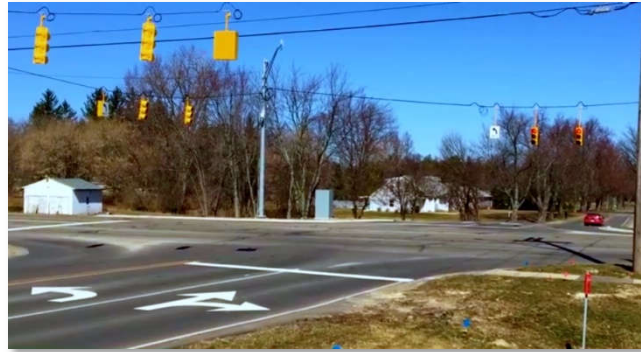
Routine maintenance by Road Commission workers is organized into four service areas. Crews working in the southeast and southwest areas of the County operate out of the main garage in Charlotte. The northwest quarter of the County is served by the crew based in Vermontville, and the northeast area covered by workers from our garage in Delta Township.

While the Road Commission continues to use its own forces for emergency and minor repairs, and most of the routine maintenance of snow removal, gravel blading and seal coating, all construction and most other heavy maintenance work is performed by private contractors selected through competitive bids. Many other routine maintenance operations that require specialized equipment such as mowing, pavement markings and street sweeping are also

provided by private firms. The dollar amount contracted with private companies in fiscal year 2016-2017 equaled 67% of the total expenditures for road maintenance and construction.

On Primary Roads in 2017 the Road Commission completed a project to partially reconstruct and resurface Willow Highway from Elmwood Road to Waverly Road, including the installation of bicycle lanes. A combination of federal STP-U and CMAQ grant funds paid for 78% of the \$1,060,000 construction cost of the project, and Delta Charter Township provided the required local matching funds for the grants.

Delta Charter Township also provided 50% of the funds necessary to complete a project to widen and resurface the Broadbent Road approaches to M-43 to accommodate the installation of a traffic signal at that intersection by the Michigan Department of Transportation.



The existing traffic signals on Snow Road at the Michigan Avenue and St. Joe Highway intersections were upgraded with new computerized signal controllers and pedestrian/vehicle detection systems using federal CMAQ grant program funding to pay \$248,000 of the \$420,000 total cost. Delta Charter Township and the Road Commission shared equally in providing the local funding required.

Using a federal STP-U grant to cover 81.85% of the \$819,000 total cost we were able to resurface 2.6 miles of Canal Road from Osborn Street, in the Michigan State Secondary Complex, north to 600 feet north of Mt. Hope Highway.

South of Olivet the Road Commission completed a project to restore and resurface Marshall



Road to all season standards from Butterfield Highway south to the Calhoun County line. A combination of state TEDF grant funds and federal STP-R grant funds paid 100% of the contracted construction costs on the project.

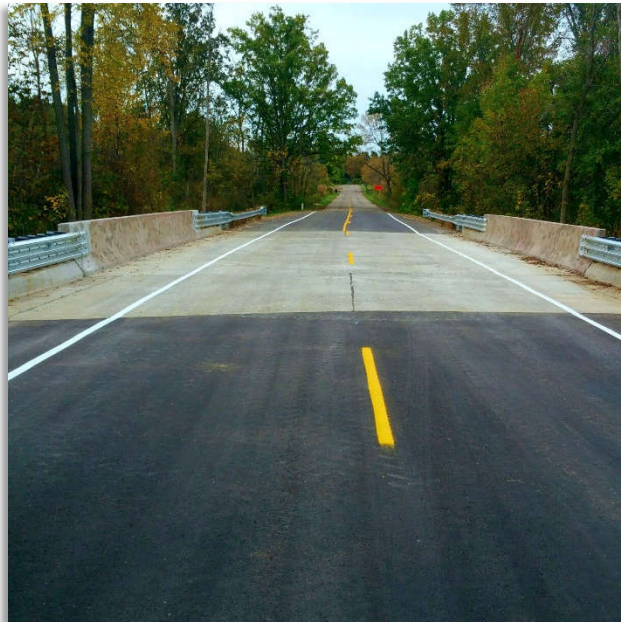
The Primary Road resurfacing program in 2017 included 45 miles of sealcoating with a fog seal cover and 9.8 miles of asphalt overlay work.

No Primary Road bridges were replaced in 2017.

On Local Roads in 2017, the third year of the 12-year road rehabilitation millage program, the Road Commission repaired and resurfaced 32.3 miles of paved Local Roads and re-graded and re-graveled 4.2 miles of unimproved Local Roads. While those projects are noted in the following pages, a separate supplemental report regarding the millage program projects with supporting information is available.



On Local Road bridges in 2017, the Road Commission was able to remove and replace the Whittum Road bridge in Hamlin Township using state and federal Critical Bridge funds to pay 95% of the \$504,000 construction costs. Hamlin Township and the Road Commission shared equally the \$111,000 local costs of the project.

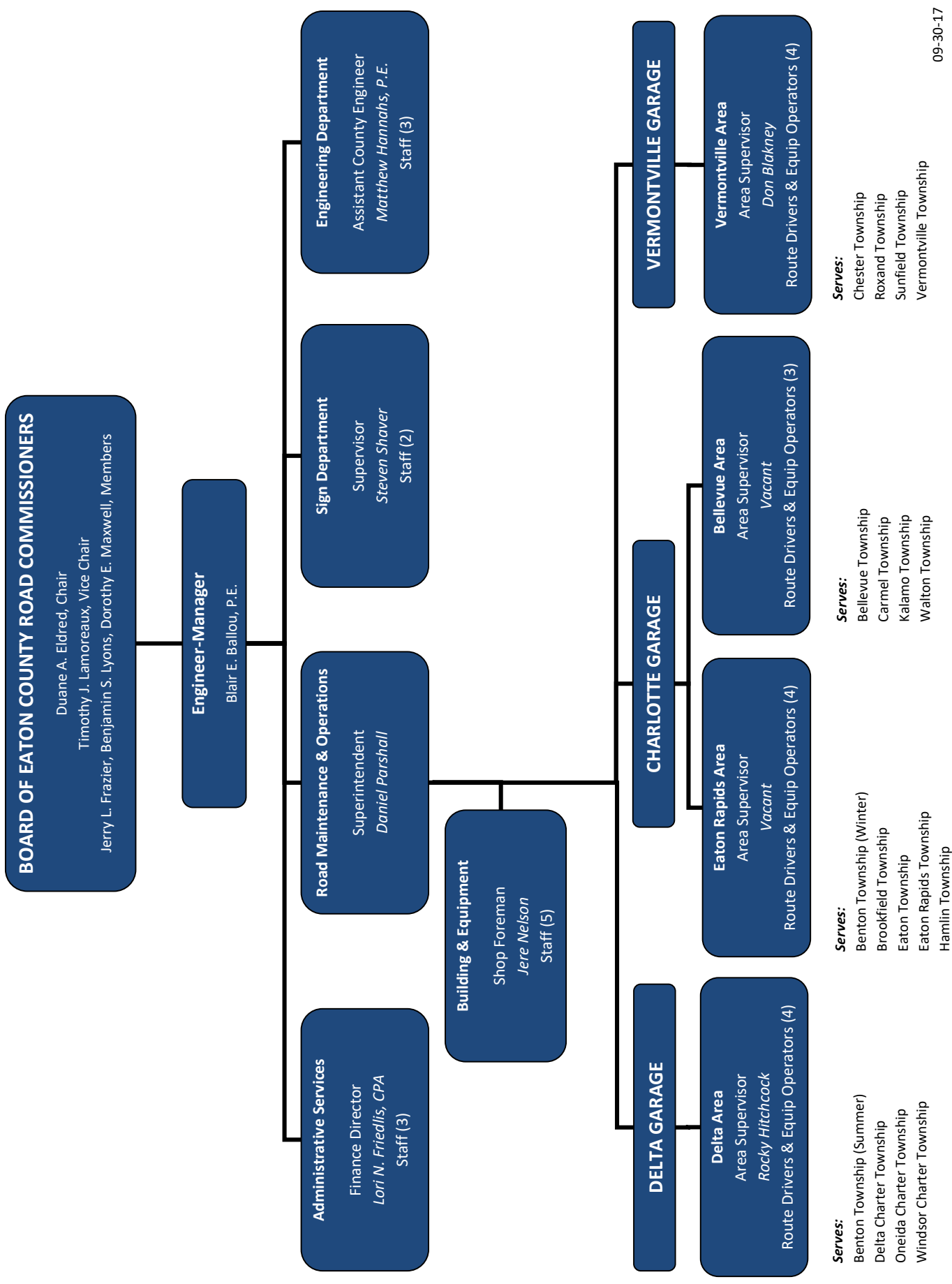


While the Road Commission's first priority is public safety on all county roads, we continue to work towards keeping the existing good roads in Eaton County in good condition, rather than deferring needed maintenance in order to pay for the construction of new paved roads.

Recognizing the need for long range planning for improvements on the county road system, the Road Commission participates in the Tri-County Regional Planning Commission planning process, and actively competes for

federal and state grant funds and other local government funds for specific improvement projects whenever possible.

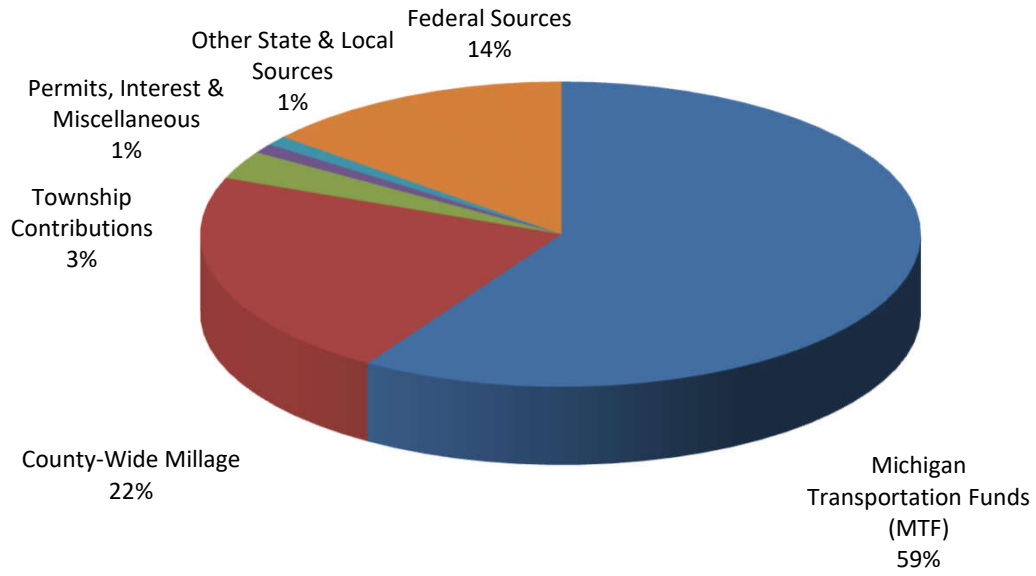
The Road Commission welcomes comments, suggestions and discussion on both programs and specific projects at any time.



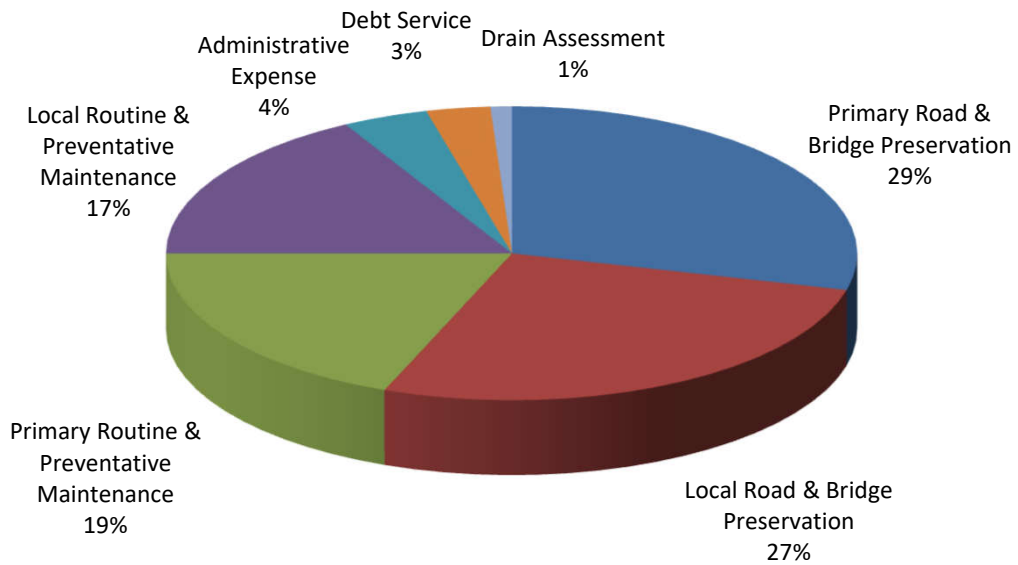
FINANCIAL SUMMARY

	2013-2014 ACTUAL	2014-2015 ACTUAL	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 BUDGET
REVENUES					
County-Wide Millage	\$ -	\$ 3,790,275	\$ 3,964,993	\$ 3,964,117	\$ 4,096,067
Permit Revenue	80,116	76,449	75,358	87,227	75,000
Intergovernmental:					
Federal Sources	3,212,498	2,215,891	1,872,677	2,503,173	1,447,350
Michigan Transportation Funds	7,871,876	8,057,044	8,315,167	10,578,775	11,197,314
Other State Sources	900,246	1,605,878	1,437,457	193,777	15,000
Township Contributions	500,127	228,788	190,786	501,944	620,000
Other Local Sources	172,475	45,295	34,263	17,156	-
Charges for Services	-	-	10	1,841	-
Interest and Rentals	9,043	6,350	16,582	54,245	60,000
Other Revenue	114,989	249,115	102,666	81,629	100,000
Total Revenues	\$ 12,861,370	\$ 16,275,085	\$ 16,009,959	\$ 17,983,884	\$ 17,610,731
EXPENDITURES					
Primary Roads and Bridges:					
Construction/Capacity Improvements	\$ 4,674	\$ 3,931	\$ -	\$ -	\$ -
Preservation/Structural Improvements	4,836,894	4,234,000	2,243,254	4,871,913	3,702,300
Routine Maintenance	2,138,219	1,529,171	1,522,790	1,863,465	2,766,250
Preventative Maintenance	1,376,719	1,537,339	1,456,166	1,339,123	1,500,000
Local Roads and Bridges:					
Construction/Capacity Improvements	-	-	-	-	-
Preservation/Structural Improvements	428,351	4,333,585	5,533,196	4,459,885	4,729,067
Routine Maintenance	2,168,422	2,622,198	2,601,549	2,758,640	3,000,000
Preventative Maintenance	164,736	29,086	18,235	100	-
Equipment Expense (net)	(57,828)	19,545	232,099	(19,476)	-
Administration (net)	843,614	819,702	830,648	676,992	850,000
Maintenance Service for Other Units	129,478	81,678	74,024	87,482	100,000
Non-Road Projects	245,280	36,976	-	-	-
Capital Outlay (net)	247,952	247,190	48,814	(167,845)	507,600
Debt Service	571,400	549,847	533,495	517,225	516,171
Drain Assessment	242,823	282,733	277,045	242,576	300,000
Total Expenditures	\$ 13,340,734	\$ 16,326,981	\$ 15,371,315	\$ 16,630,080	\$ 17,971,388
Net Revenues (Expenditures)	(479,364)	(51,896)	638,644	1,353,804	(360,657)
Fund Balance at Beginning of Year	5,768,694	5,289,330	5,237,434	5,876,078	7,229,882
Fund Balance at End of Year	\$ 5,289,330	\$ 5,237,434	\$ 5,876,078	\$ 7,229,882	\$ 6,869,225

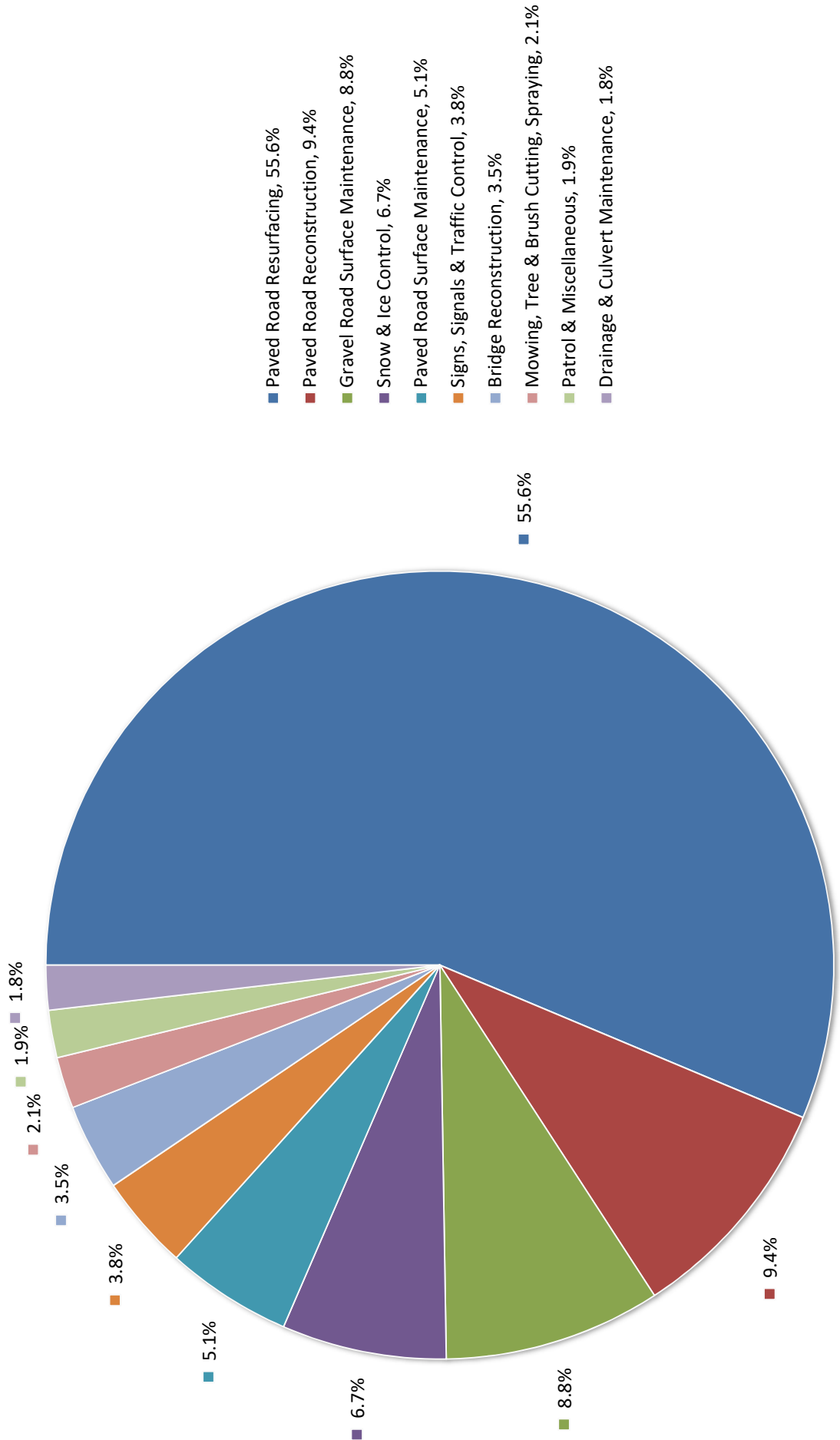
REVENUE



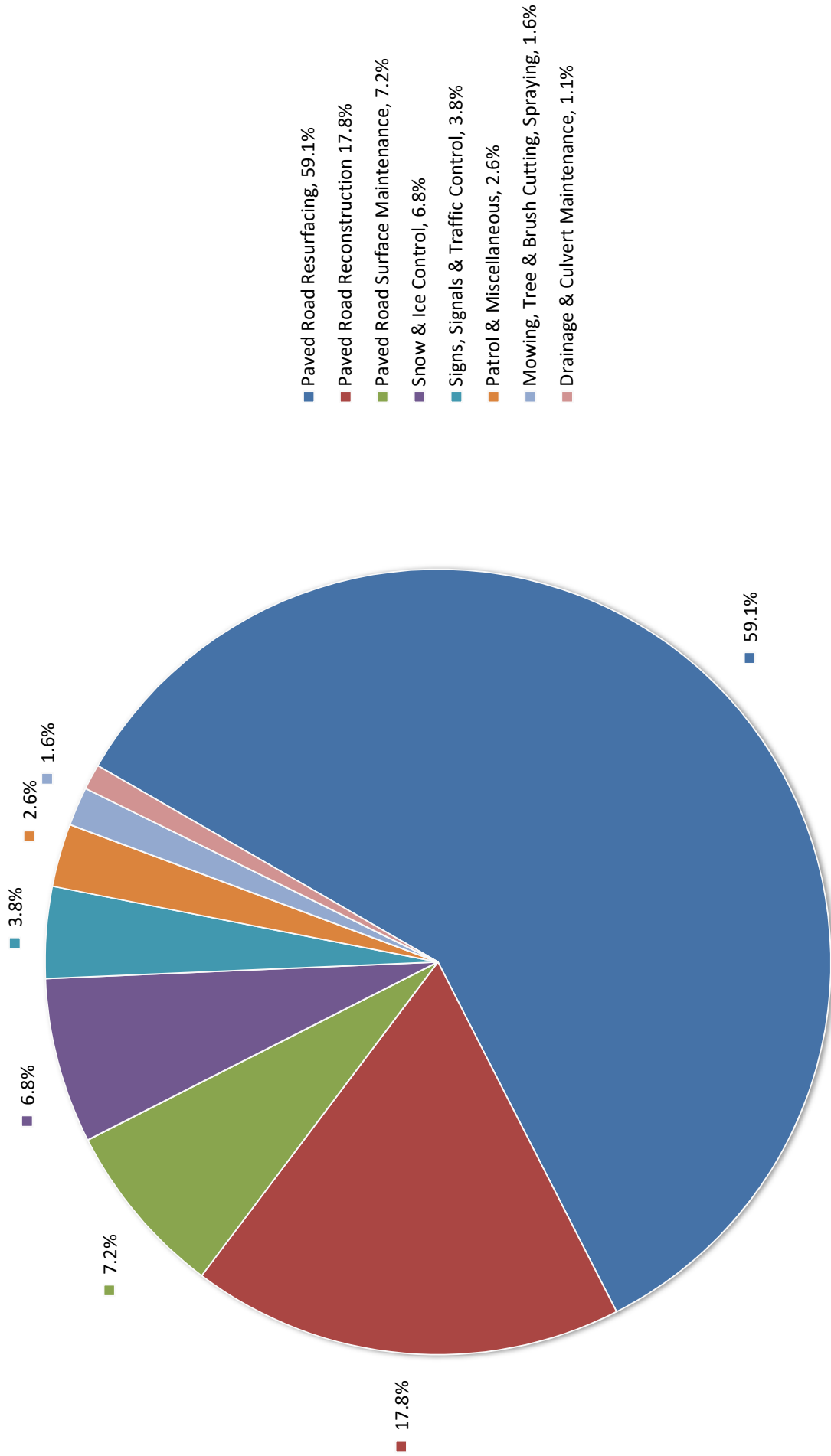
EXPENDITURES



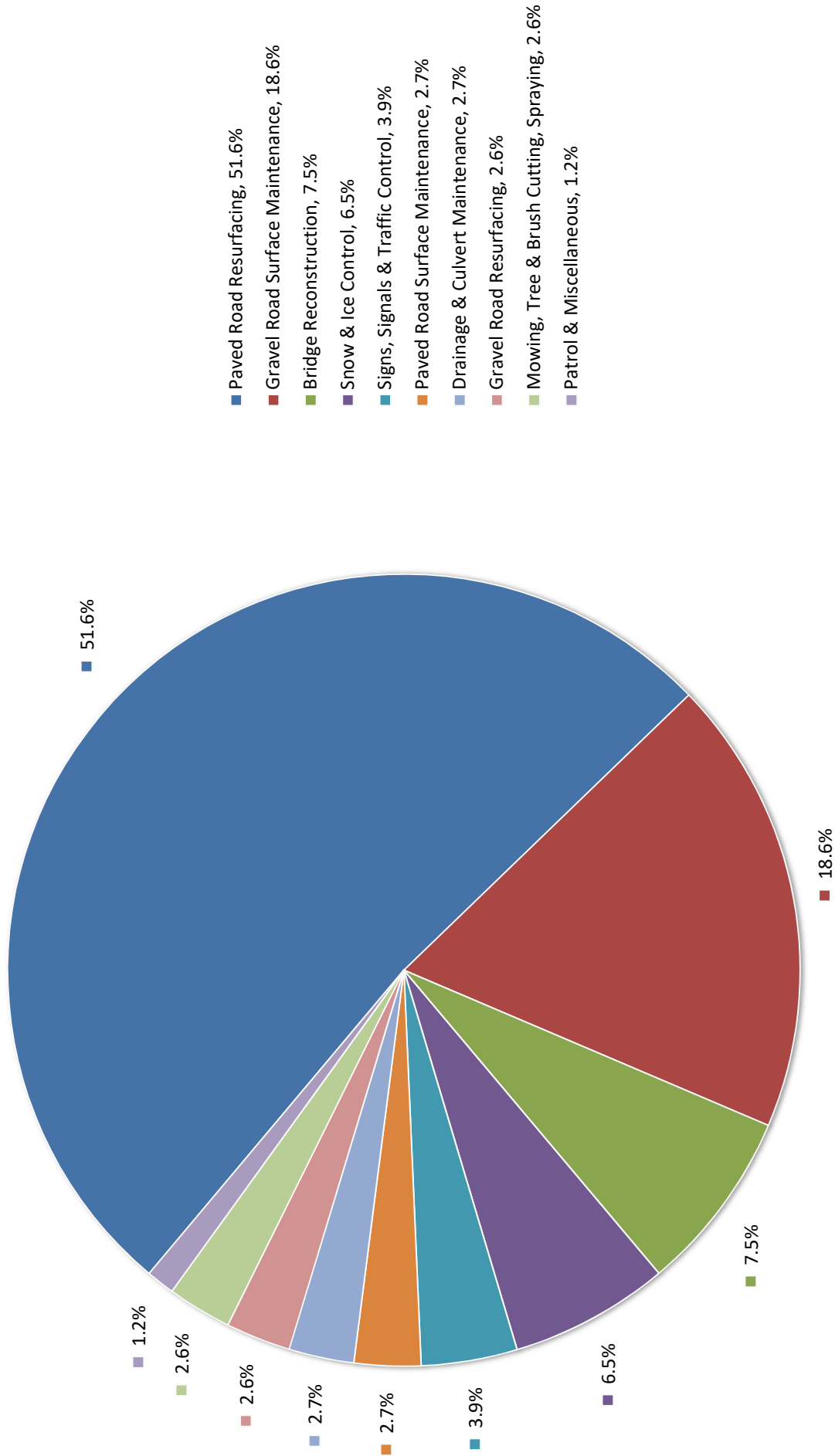
OVERALL PRIMARY AND LOCAL ROAD AND BRIDGE EXPENDITURES



PRIMARY ROAD AND BRIDGE EXPENDITURES



LOCAL ROAD AND BRIDGE EXPENDITURES



2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUMMARY

Primary Roads:

Total Construction/Capacity Improvement Projects	\$	-
Total Preservation/Structural Improvement Projects	\$	4,871,913
Total Preventative Maintenance Projects	\$	<u>1,339,123</u>
Total Primary Road and Bridge Projects	\$	<u><u>6,211,036</u></u>

Local Roads:

Total Construction/Capacity Improvement Projects	\$	-
Total Preservation/Structural Improvement Projects	\$	4,459,885
Total Preventative Maintenance Projects	\$	<u>100</u>
Total Local Road and Bridge Projects	\$	<u><u>4,459,985</u></u>

Grand Total **\$ 10,671,021**

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BELLEVUE TOWNSHIP

Primary Roads:

Sealcoat:

Battle Creek Rd, Cronk to Bellevue village limit	1.76 mi	\$	34,919
Greenfield Hwy, Butterfield to Bellevue village limit	0.80 mi		16,953
Lacey Lake Rd, Griffin to Five Point	2.00 mi		46,315
<i>Final Expenditures for Prior Year Projects</i>			1,392

Local Roads:

Local Road Millage Paved Road Resurface:

Cronk Hwy, Ionia to Young	1.21 mi		130,039
<i>Final Expenditures for Prior Year Projects</i>			437

Bellevue Township Total

\$ 230,055

Bellevue Township Contributions

\$ -

BENTON TOWNSHIP

Primary Roads:

Asphalt Overlay:

Gresham Hwy, M-100 to end of primary	1.00 mi	\$	146,253
<i>Final Expenditures for Prior Year Projects</i>			7,141

Local Roads:

Local Road Millage Paved Road Resurface:

Gresham Hwy, section line to one mile east of Otto	1.00 mi		94,353
<i>Final Expenditures for Prior Year Projects</i>			217

Benton Township Total

\$ 247,964

Benton Township Contributions

\$ -

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

BROOKFIELD TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 40,221

Local Roads:

Local Road Millage Paved Road Resurface:

Spicerville Hwy, Wilcox to Royston 1.50 mi 159,186

Final Expenditures for Prior Year Projects 22,499

Brookfield Township Total \$ 221,906

Brookfield Township Contributions \$ -

CARMEL TOWNSHIP

Primary Roads:

Sealcoat:

Chester Rd, M-79 to Kinsel 2.01 mi \$ 48,197

Five Point Hwy, Bradley to southbound Stine 3.03 mi 59,286

Kalamo Hwy, Bradley to Chester 2.03 mi 40,498

Wheaton Rd, Valley to Kinsel 1.00 mi 19,275

Final Expenditures for Prior Year Projects 1,325

Local Roads:

Local Road Millage Paved Road Resurface:

Carlisle Hwy, Gregory to State 0.21 mi 31,895

Kalamo Hwy, Battle Creek to end of pavement 0.98 mi 95,609

Final Expenditures for Prior Year Projects 1,959

Carmel Township Total \$ 298,044

Carmel Township Contributions \$ -

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

CHESTER TOWNSHIP

Primary Roads:

Sealcoat:

Chester Rd, Kinsel to Vermontville	2.02 mi	\$	44,614
Wheaton Rd, Kinsel to M-50	1.60 mi		29,311

Final Expenditures for Prior Year Projects 3,768

Local Roads:

Local Road Millage Paved Road Resurface:

Kinsel Hwy, Millerburg to Wheaton	1.02 mi		102,701
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Local Road Millage Regravel:

Kinsel Hwy, Stine to Millerburg	1.03 mi		19,143
Wheaton Rd, Clinton Trl to Gresham	1.42 mi		26,065

Final Expenditures for Prior Year Projects 140

Chester Township Total \$ 225,742

Chester Township Contributions \$ -

DELTA TOWNSHIP

Primary Roads:

Asphalt Overlay:

Canal Rd, Mt. Hope to Northport	1.00 mi	\$	279,909
Canal Rd, Northport to Osborn	1.67 mi		469,453
Mt. Hope Hwy, Lansing to Canal	2.69 mi		336,908
Willow Hwy, Elmwood to Waverly	1.47 mi		1,245,528

Signal Modernization

Snow Rd at Michigan and St. Joe			474,678
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Widen Intersection:

Broadbent Rd at M-43			237,241
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Final Expenditures for Prior Year Projects 65,460

Initial Expenditures for 2018 Projects 141

Local Roads:

Local Road Millage Paved Road Resurface:

Blue Lagoon Dr, St. Joe to Flagstone	0.28 mi		26,767
Canton Dr, Meaford to Chesley	0.12 mi		13,970

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

DELTA TOWNSHIP continued

Centennial Way, Century to its end	0.33 mi	49,008
Centurion Dr, Centennial to Century	0.20 mi	27,588
Century Blvd, St. Joe to Anacapri	0.23 mi	28,886
Charleston Rd, St. Joe to pvt joint	0.02 mi	3,624
Chesley Dr, London to St. Joe	0.32 mi	37,088
Cloverhill Dr, Flagstone to Blue Lagoon	0.17 mi	18,152
Davis Hwy, Centerline to end of jurisdiction	0.25 mi	37,162
Dornet Dr, Ivan to Elmwood	0.19 mi	18,922
Flagstone Dr, Blue Lagoon to St. Joe	0.18 mi	16,202
Grand River Dr, Willow to township line	0.22 mi	27,633
Gull Rd, Pickton to Meadowview	0.36 mi	37,203
Hoover St, Richard to Winifred	0.12 mi	12,474
Iris Ave, Ivan to its end	0.19 mi	18,156
Ivan St, Elmwood to Richard	0.24 mi	28,632
Julian Ave, Michigan to Saginaw	0.50 mi	57,209
London Dr, Gull to Meaford	0.25 mi	25,385
Mandell Cir, Williamsburg to its end	0.11 mi	17,840
Meaford St, Weston to Chesley	0.18 mi	18,300
Norwick St, Weston to its end	0.21 mi	13,471
Oakcrest Dr, Old Erin to Meadowview	0.14 mi	13,584
Old Erin Way, Gull to Oakcrest	0.18 mi	28,033
Pickton Dr, Gull to Weston	0.16 mi	18,336
Richard Ave, Michigan to Saginaw	0.50 mi	51,775
Stiefel Ave, Richard to Winifred	0.12 mi	37,359
Theo Ave, Michigan to Saginaw	0.50 mi	59,973
Tindalaya Dr, Gull to Oakcrest	0.16 mi	16,197
Weston St, Gull to St. Joe	0.40 mi	41,157
Williamsburg (portions), Canal to Michigan	0.43 mi	50,549
Winifred Ave, Michigan to Saginaw	0.50 mi	40,474
Yorktown Rd, pvt joint to pvt joint	0.06 mi	7,156
<i>Final Expenditures for Prior Year Projects</i>		168,388
Delta Township Total		\$ 4,175,971
Delta Township Contributions		\$ 402,209

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

EATON TOWNSHIP

Primary Roads:

Sealcoat:

Otto Rd, Lansing to Kinsel 0.59 mi \$ 17,744

Final Expenditures for Prior Year Projects 14,839

Local Roads:

Local Road Millage Paved Road Resurface:

Bell Hwy, Perkey to Ackley 1.26 mi 118,479

Broadway Hwy, Sherman to Brookfield 1.01 mi 85,920

Final Expenditures for Prior Year Projects 545

Eaton Township Total \$ 237,527

Eaton Township Contributions \$ 460

EATON RAPIDS TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 37,304

Local Roads:

Local Road Millage Paved Road Resurface:

Bentley Hwy, Gunnell to Canal 1.01 92,197

Final Expenditures for Prior Year Projects 133

Eaton Rapids Township Total \$ 129,634

Eaton Rapids Township Contributions \$ -

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

HAMLIN TOWNSHIP

Primary Roads:

Asphalt Overlay:

Springport Rd, Bellevue to Spicerville 3.07 mi \$ 416,051

HMA Wedging:

Kinneville Rd, Tucker to Waverly 0.02 mi \$ 568

Final Expenditures for Prior Year Projects 29,644

Local Roads:

Critical Bridge Replacement:

Whittum Rd over Spring Brook 523,955

Local Road Millage Paved Road Resurface:

Holmes Hwy, Royston to Wilson 2.10 mi 259,279

Final Expenditures for Prior Year Projects 1,184

Hamlin Township Total \$ 1,230,681

Hamlin Township Contributions \$ 56,801

KALAMO TOWNSHIP

Primary Roads:

Sealcoat:

Five Point Hwy, Lacey Lake to Bradley 1.02 mi 20,950

Kalamo Hwy, Ionia to Bradley 3.03 mi 54,213

Final Expenditures for Prior Year Projects 2,589

Local Roads:

Culvert Replacement:

Pease Rd over the Martens Drain 3,092

Local Road Millage Paved Road Resurface:

Mason Rd, Lawrence to Kinsel 2.02 mi 222,498

Final Expenditures for Prior Year Projects 446

Kalamo Township Total \$ 303,788

Kalamo Township Contributions \$ 1,599

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

ONEIDA TOWNSHIP

Primary Roads:

Final Expenditures for Prior Year Projects 1,633

Local Roads:

Local Road Millage Paved Road Resurface:

Chippewa Dr, Iroquois to Grand River	0.36 mi	27,675
Grand River Dr, township line to end of jurisdiction	0.57 mi	98,487
Grand Willow Dr, Willow to Grand River	0.22 mi	30,219
Iroquois Dr, Willow to Grand River	0.33 mi	27,562
Melody Rd, Willow to E Melody	0.24 mi	43,857
E Melody Rd, Melody to Grand River	0.34 mi	48,621
W Melody Dr, Melody to Grand River	0.30 mi	27,895
Sioux Dr, E Melody to Chippewa	0.06 mi	5,190

Final Expenditures for Prior Year Projects 56,145

Oneida Township Total \$ 367,284

Oneida Township Contributions \$ -

ROXAND TOWNSHIP

Local Roads:

Local Road Millage Paved Road Resurface:

Boyer Rd, St. Joe to Mt. Hope	1.01 mi	167,515
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Local Road Millage Regravel:

Gates Rd, Eaton to Gates	0.79 mi	15,451
Grace Hwy, Dow to Gates	1.03 mi	4,449

Final Expenditures for Prior Year Projects 46,400

Roxand Township Total \$ 233,815

Roxand Township Contributions \$ -

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

SUNFIELD TOWNSHIP

Primary Roads:

Asphalt Overlay:

Bismark Hwy, Brown to Moore	0.50 mi	\$	69,401
Brown Rd, Kelly to Bismark	1.02 mi	\$	144,046
Moore Rd, Bismark to M-50	0.97 mi	\$	127,685

Sealcoat:

Ionia Rd, Kelly to Mt. Hope	2.04 mi	\$	29,708
Ionia Rd, M-50 to M-43	0.73 mi	\$	12,828
Kelly Hwy, Hager to Brown	4.12 mi	\$	59,033
Mt. Hope Hwy, M-50 to the county line	4.54 mi	\$	74,303

Final Expenditures for Prior Year Projects 873

Local Roads:

Local Road Millage Paved Road Resurface:

Bismark Hwy, Hager to Ionia	2.09 mi		214,151
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Final Expenditures for Prior Year Projects 14,212

Sunfield Township Total

\$ 746,240

Sunfield Township Contributions

\$ 40,875

VERMONTVILLE TOWNSHIP

Primary Roads:

Asphalt Overlay:

Brown Rd, Allegan to Kelly	3.04 mi	\$	423,536
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Sealcoat:

Ionia Rd, Lake to Kelly	1.00 mi	\$	19,172
Ionia Rd, Kinsel to Vermontville village limit	1.76 mi	\$	38,383
Vermontville Hwy, Hager to Vermontville village limit	2.37 mi	\$	45,447
Vermontville Hwy, Bradley to Vermontville village limit	3.03 mi	\$	55,609

Final Expenditures for Prior Year Projects 1,219

Local Roads:

Local Road Millage Paved Road Resurface:

Mason Rd, Kinsel to Nashville	1.00 mi		116,371
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Final Expenditures for Prior Year Projects 348

Vermontville Township Total

\$ 700,085

Vermontville Township Contributions

\$ -

2016-2017

PRIMARY AND LOCAL ROAD IMPROVEMENTS

WALTON TOWNSHIP

Primary Roads:

Joint Repair & Asphalt Overlay:

Marshall Rd, Baseline to Olivet city limit	1.20 mi	\$	723,651
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Sealcoat:

Ainger Rd, I-69 to Olivet city limit	0.57 mi	\$	17,041
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Stine Rd, Marshall to Five Point	3.06 mi	\$	61,519
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<i>Final Expenditures for Prior Year Projects</i>			709
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Local Roads:

Local Road Millage Paved Road Resurface:

Butterfield Hwy, Harris to Oxby	1.01 mi		108,613
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Oxby Rd, Baseline to Butterfield	1.01 mi		102,227
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<i>Final Expenditures for Prior Year Projects</i>			396
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Walton Township Total		\$	1,014,156
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Walton Township Contributions		\$	-
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WINDSOR TOWNSHIP

Primary Roads:

Asphalt Overlay:

Bridge Hwy, Canal to Dimondale village limit	0.39 mi	\$	48,437
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<i>Final Expenditures for Prior Year Projects</i>			10,978
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Local Roads:

Local Road Millage Paved Road Resurface:

Aberdeen Dr, W Galway to Billwood	0.49 mi		49,842
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Centerline Dr, Woodlane to Davis	0.17 mi		23,219
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E Galway Cir, Glenkirk to Thornhill	0.36 mi		51,954
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W Galway Cir, Thornhill to Glenkirk	0.62 mi		48,199
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Glenkirk Dr, Galway to attribute change	0.07 mi		6,900
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Thornhill Dr, E Galway to Billwood	0.12 mi		14,257
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Woodlane Dr, Davis to its end	0.27 mi		48,482
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<i>Final Expenditures for Prior Year Projects</i>			2,721
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Windsor Township Total		\$	304,989
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Windsor Township Contributions		\$	-
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2016-2017 PRIMARY ROAD ROUTINE MAINTENANCE

SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 67,945	18.40	\$ 3,693
Benton	134,108	28.13	4,767
Brookfield	78,040	18.41	4,239
Carmel	91,641	23.36	3,923
Chester	51,352	13.70	3,748
Delta	557,950	55.85	9,990
Eaton	132,890	25.99	5,113
Eaton Rapids	94,000	24.09	3,902
Hamlin	59,247	26.47	2,238
Kalamo	74,623	18.30	4,078
Oneida	60,197	23.51	2,560
Roxand	66,640	20.72	3,216
Sunfield	89,041	22.80	3,905
Vermontville	71,875	17.51	4,105
Walton	87,278	23.00	3,795
Windsor	146,638	31.54	4,649
Total Primary Maintenance	\$ 1,863,465	391.78	\$ 4,756

2016-2017 LOCAL ROAD ROUTINE MAINTENANCE

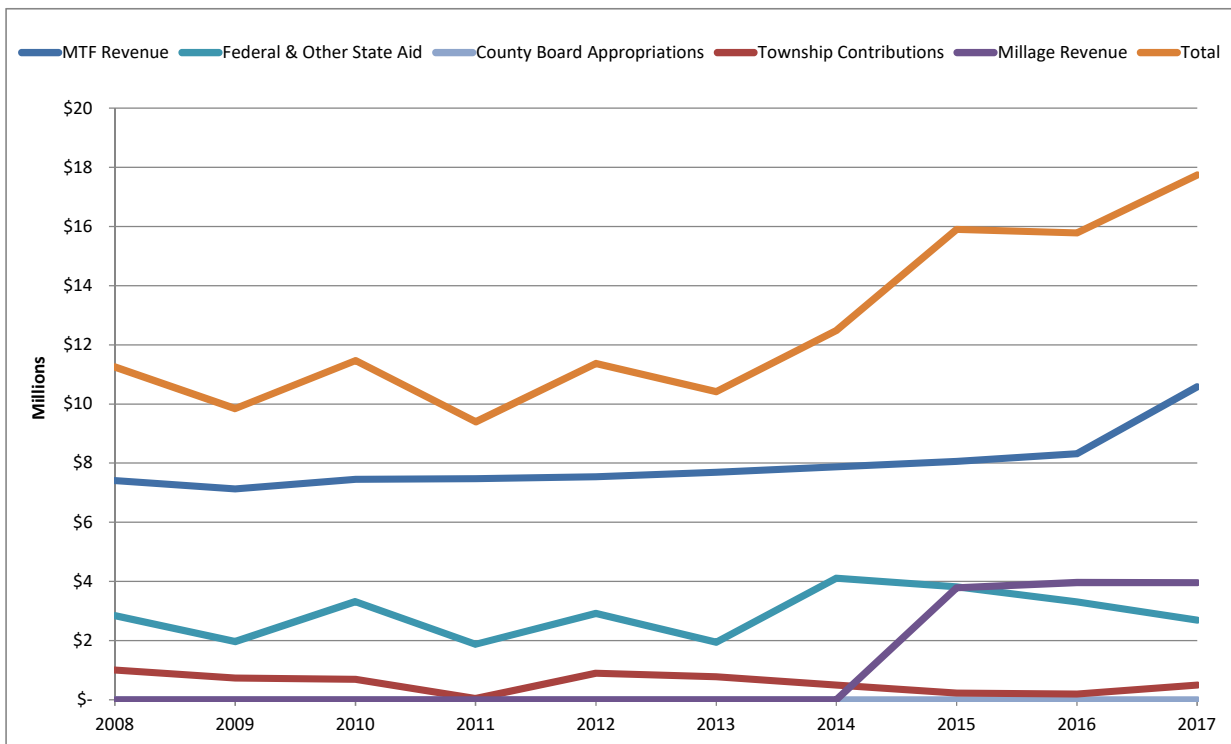
SUMMARY BY TOWNSHIP

TOWNSHIP	ROAD COMMISSION COST	MILES	AVERAGE COST PER MILE
Bellevue	\$ 156,947	48.67	\$ 3,225
Benton	192,927	33.62	5,738
Brookfield	159,096	54.02	2,945
Carmel	164,791	42.25	3,900
Chester	169,387	48.62	3,484
Delta	286,095	112.46	2,544
Eaton	131,438	42.17	3,117
Eaton Rapids	175,381	43.29	4,051
Hamlin	146,031	44.82	3,258
Kalamo	163,844	47.62	3,441
Oneida	159,513	40.35	3,953
Roxand	160,416	44.59	3,598
Sunfield	142,019	37.41	3,796
Vermontville	180,432	42.13	4,283
Walton	141,053	47.71	2,956
Windsor	229,270	53.14	4,314
Total Local Maintenance	\$ 2,758,640	782.87	\$ 3,524

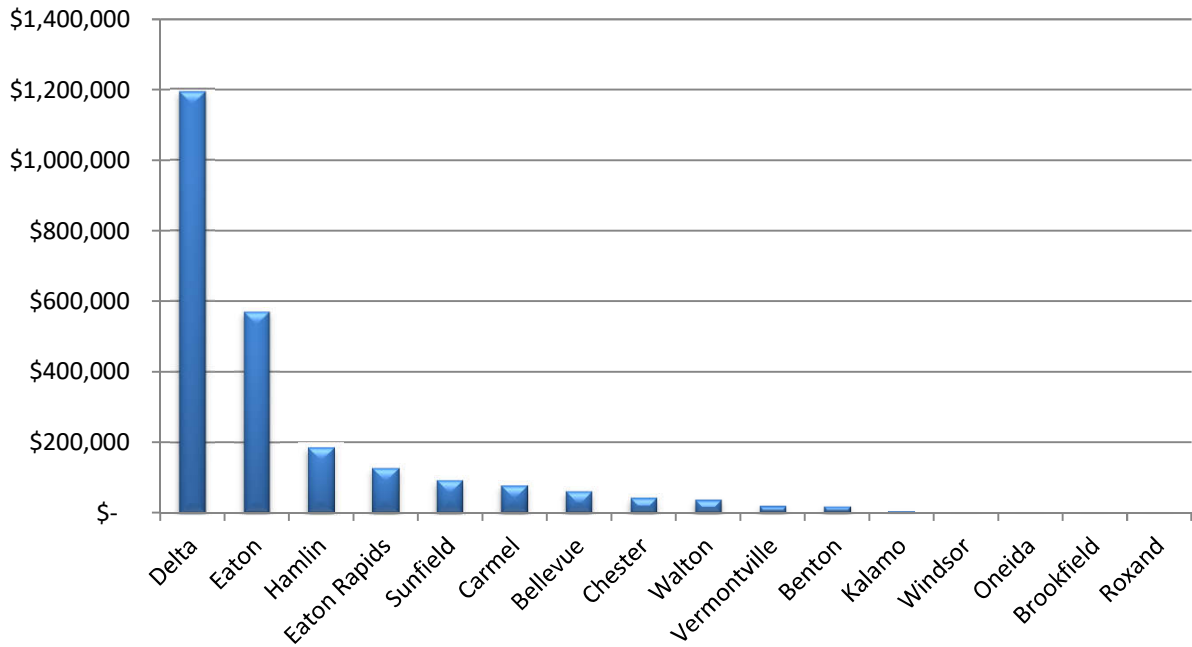
TEN YEAR HISTORY

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

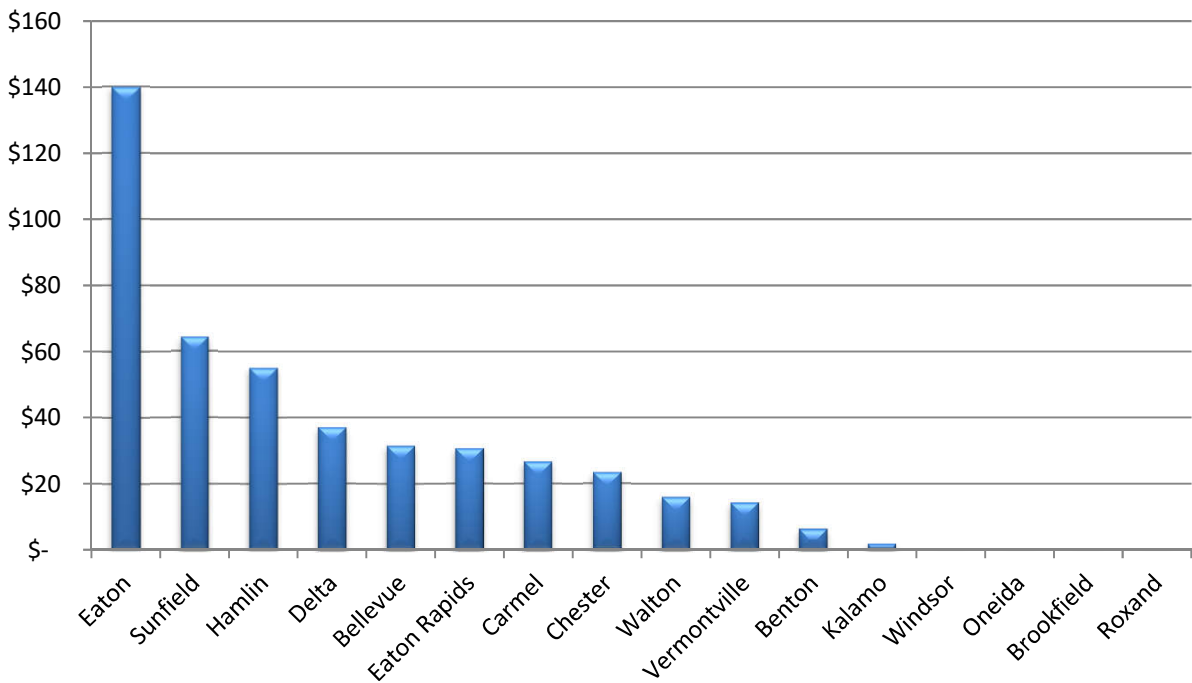
YEAR	EATON COUNTY SHARE OF MTF	FEDERAL & OTHER STATE AID	COUNTY BOARD APPROP.	TOWNSHIP CONTR.	MILLAGE PROCEEDS	TOTAL	TOWNSHIP CONTR. AS % OF MTF
2008	7,406,648	2,841,462	-	1,006,718	-	11,254,828	13.6%
2009	7,128,770	1,972,174	-	737,984	-	9,838,928	10.4%
2010	7,448,713	3,317,154	-	697,084	-	11,462,951	9.4%
2011	7,475,999	1,877,891	-	42,128	-	9,396,018	0.6%
2012	7,545,228	2,920,113	-	902,228	-	11,367,569	12.0%
2013	7,695,041	1,943,833	-	773,359	-	10,412,233	10.1%
2014	7,871,876	4,112,744	-	500,127	-	12,484,747	6.4%
2015	8,057,044	3,821,769	-	228,788	3,790,275	15,897,876	2.8%
2016	8,315,167	3,310,134	-	190,786	3,964,993	15,781,080	2.3%
2017	10,578,775	2,696,950	-	501,944	3,964,117	17,741,786	4.7%



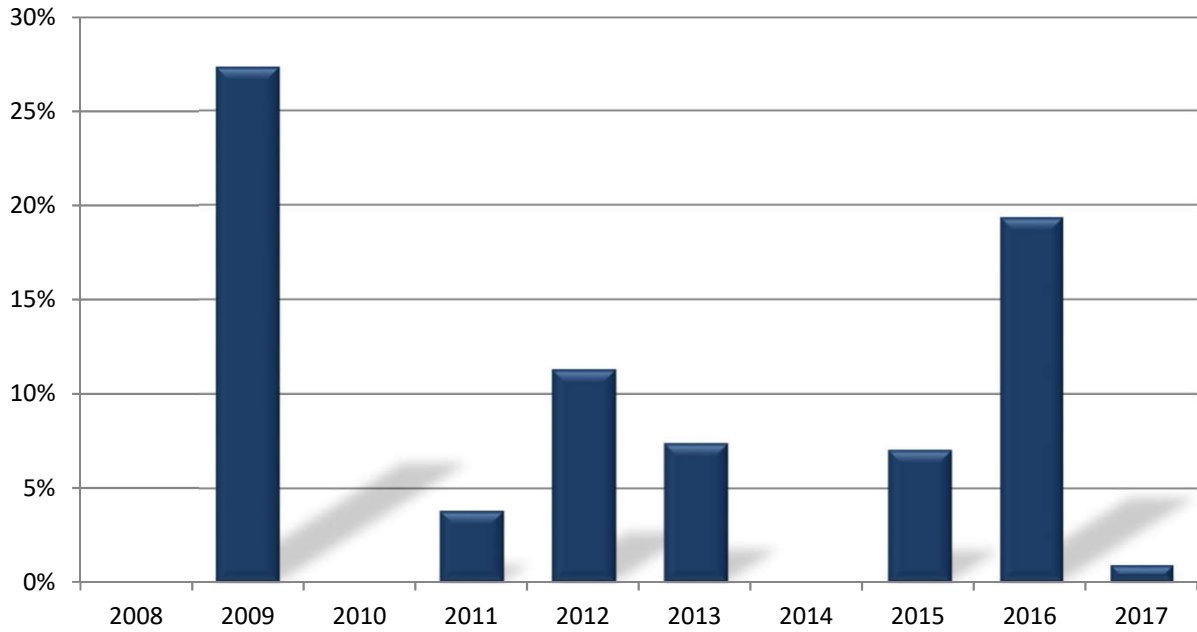
Five Year Township Contributions by Dollar to Primary and Local Roads



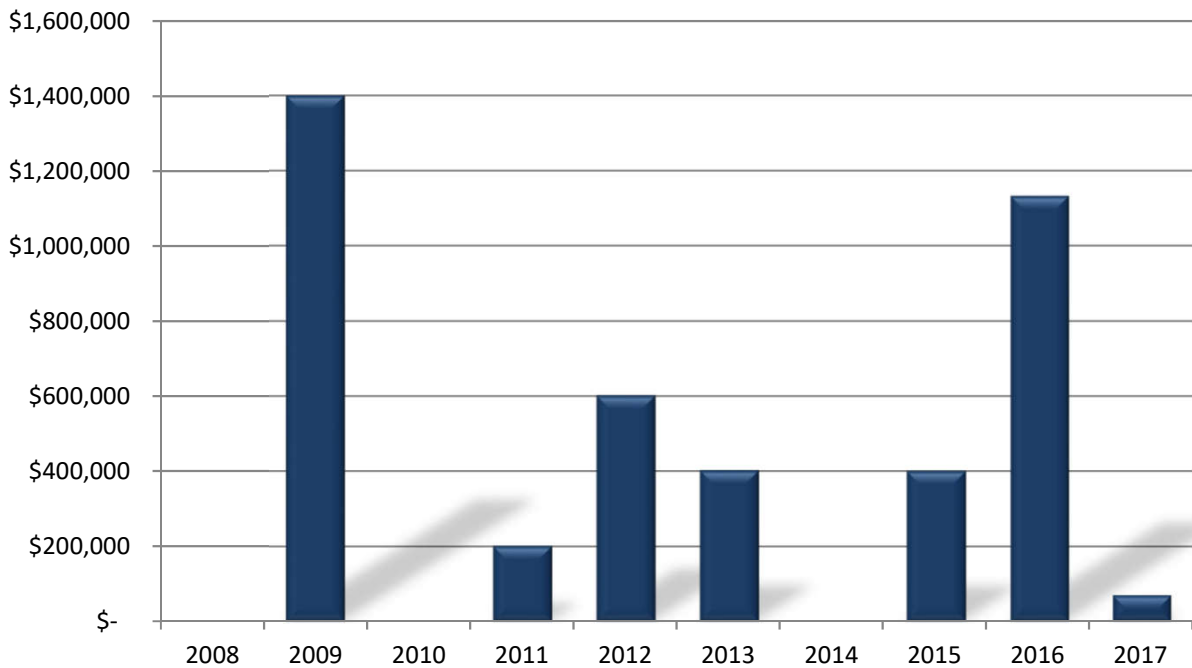
Five Year Township Contributions Per Capita to Primary and Local Roads



**TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL ROAD FUND
AS A PERCENT OF TOTAL PRIMARY MTF DISTRIBUTIONS
2008-2017**

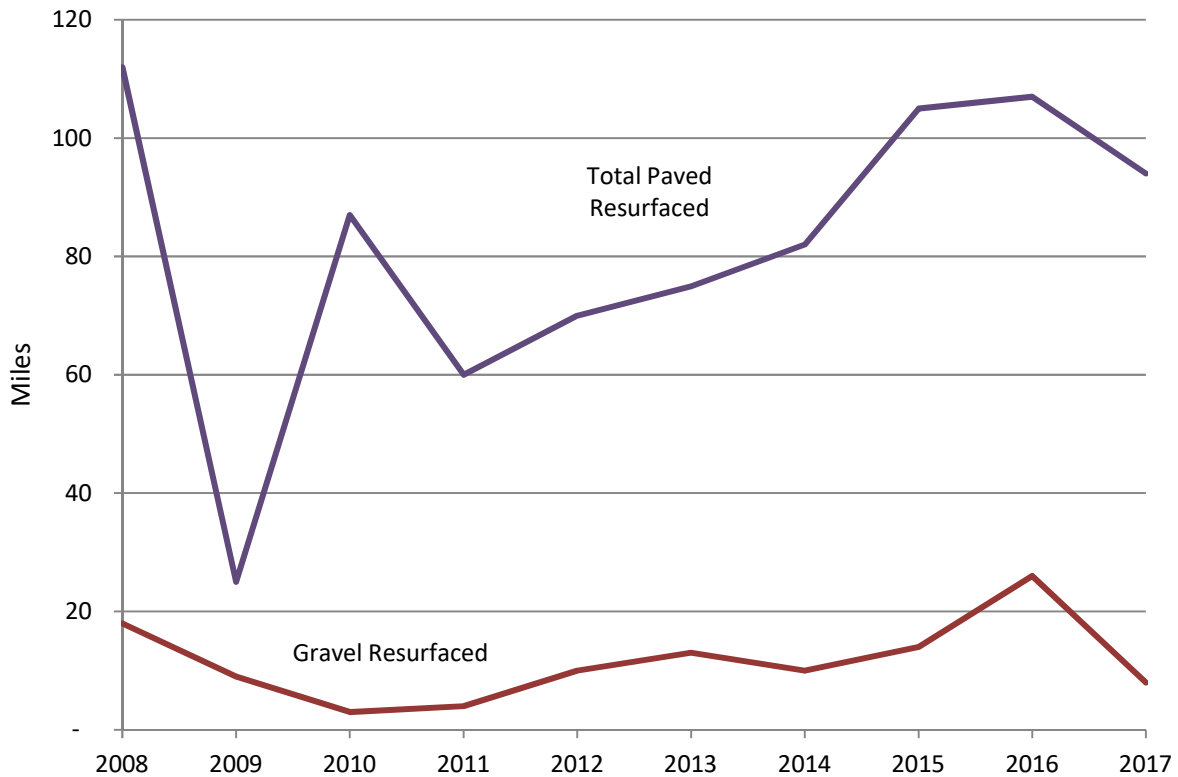


**DOLLAR TRANSFERS FROM PRIMARY ROAD FUND TO LOCAL
ROAD FUND
2008-2017**



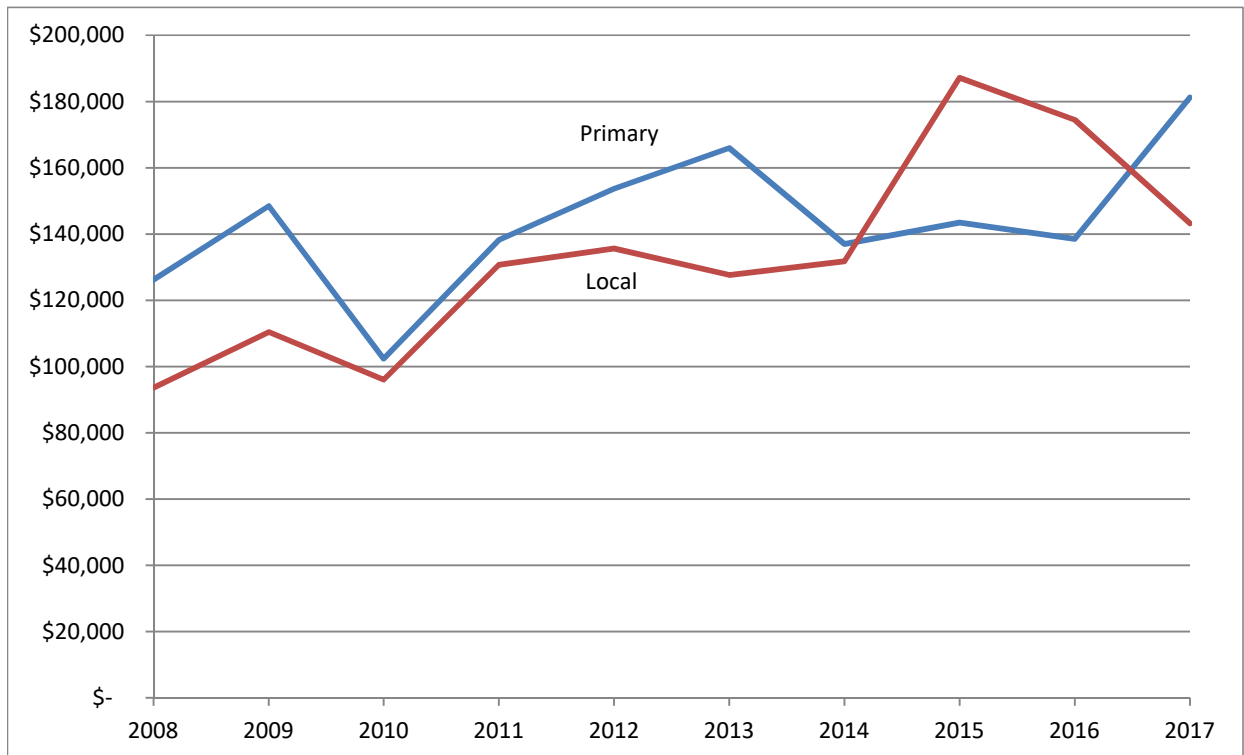
TEN YEAR HISTORY ROAD RESURFACING

<u>YEAR</u>	<u>PRIMARY PAVED MILES RESURFACED</u>	<u>LOCAL PAVED MILES RESURFACED</u>	<u>TOTAL MILES RESURFACED</u>	<u>LOCAL MILES GRAVELLED</u>
2008	97	15	112	18
2009	2	23	25	9
2010	87	-	87	3
2011	56	4	60	4
2012	61	9	70	10
2013	66	9	75	13
2014	76	6	82	10
2015	77	28	105	14
2016	77	30	107	26
2017	62	32	94	8

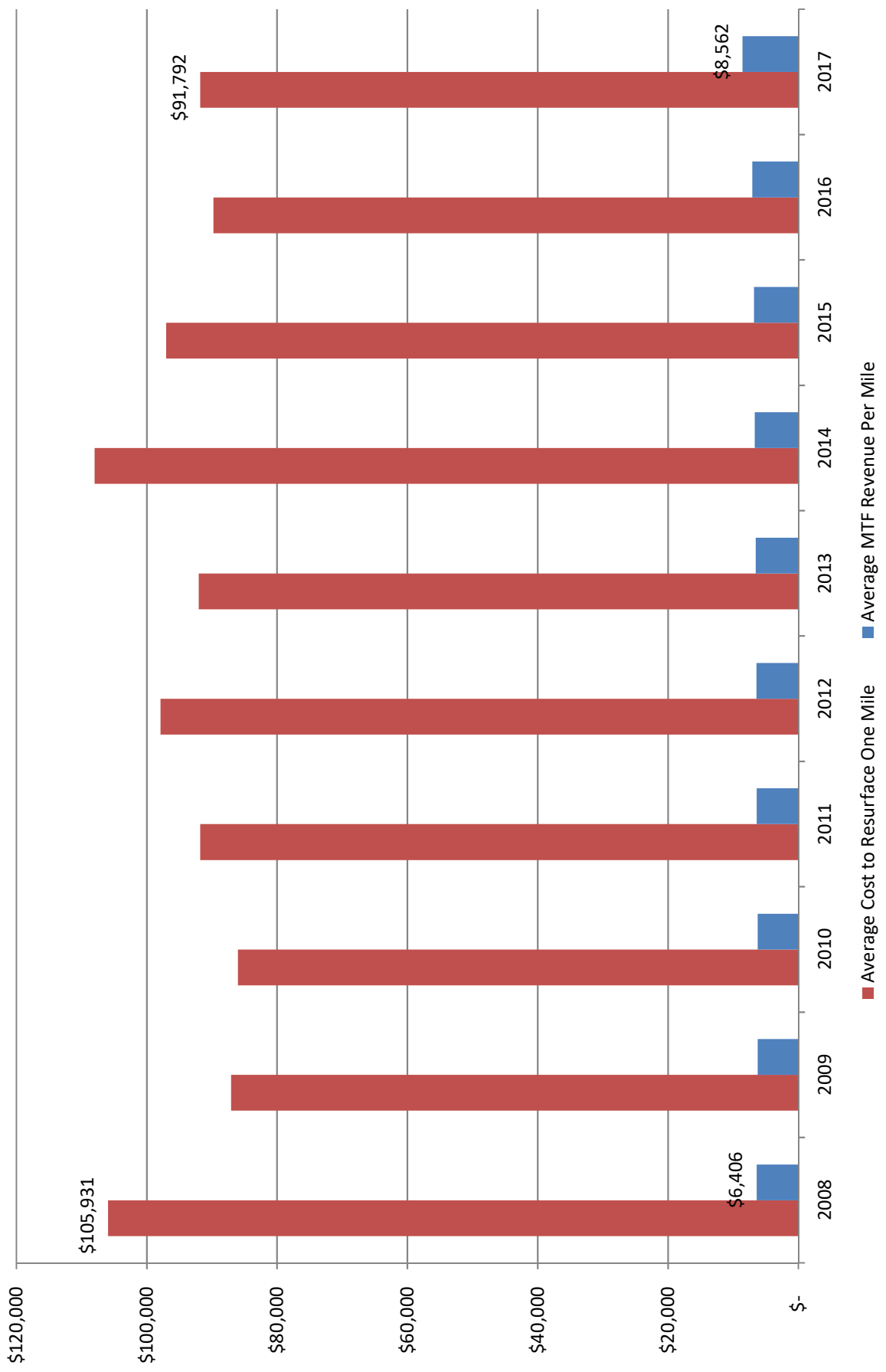


ANNUAL POTHOLE PATCHING COSTS

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
2008	269	206	475	\$ 126,126	\$ 93,649	\$ 219,775	\$ 322	\$ 341	\$ 463
2009	304	226	530	148,508	110,430	258,938	379	402	489
2010	168	182	350	102,375	96,049	198,424	261	349	567
2011	217	270	487	138,209	130,727	268,936	353	465	552
2012	208	236	444	153,715	135,620	289,335	392	483	652
2013	258	215	473	165,932	127,585	293,517	424	454	621
2014	228	243	471	137,026	131,731	268,757	350	468	571
2015	246	341	587	143,466	187,172	330,638	366	665	563
2016	244	331	575	138,506	174,466	312,972	354	620	544
2017	327	276	603	181,248	143,124	324,372	463	504	538



PAVING COST TRENDS PER MILE



SUMMARY OF PERMIT DEPARTMENT OPERATIONS

Permit Type	Number Issued	Amount Collected
Annual Permits/Cab Cards	325	
Single Move Permits	512	
Driveway Permits	216	
Utility Permits	108	
Building Move Permits	-	
Tap In Permits	-	
Road Bore	43	
		\$ 81,227
Highway Permits/Bituminous Road Cuts	15	\$ 6,000
Accident/Sign Damages Recovered		\$ -
Highway Permits/Miscellaneous (no charge)	38	
Total Permit Fees Collected		\$ 87,227

2016-2017 CAPITAL OUTLAY

EQUIPMENT AND BUILDING PURCHASES

Buildings and Yard & Storage

Furnace - Delta garage	\$ 2,798
Total Building and Yard & Storage	<u>\$ 2,798</u>

Road Equipment

1 Freightliner Tandem Truck (chassis)	\$ 114,365
1 Freightliner Tractor Package	118,611
1 Brine Tank Trailer	19,200
Radio Equipment	4,440
5 Samsung Mobile Phones	1,484
Miscellaneous Equipment	4,500
Rebuilt Transmissions/Engines and Repairs - various vehicles	16,659
Total Road Equipment	<u>\$ 279,259</u>

Engineering Equipment

GPS Survey Equipment	\$ 30,279
Wide Format Scanner	4,495
Total Shop Equipment	<u>\$ 34,774</u>

Office Equipment

Xerox Copier	\$ 5,414
Total Shop Equipment	<u>\$ 5,414</u>

Total 2016-2017 Capital Outlay Expense \$ 322,245

STATUS OF ROAD MILEAGE JANUARY 1, 2018

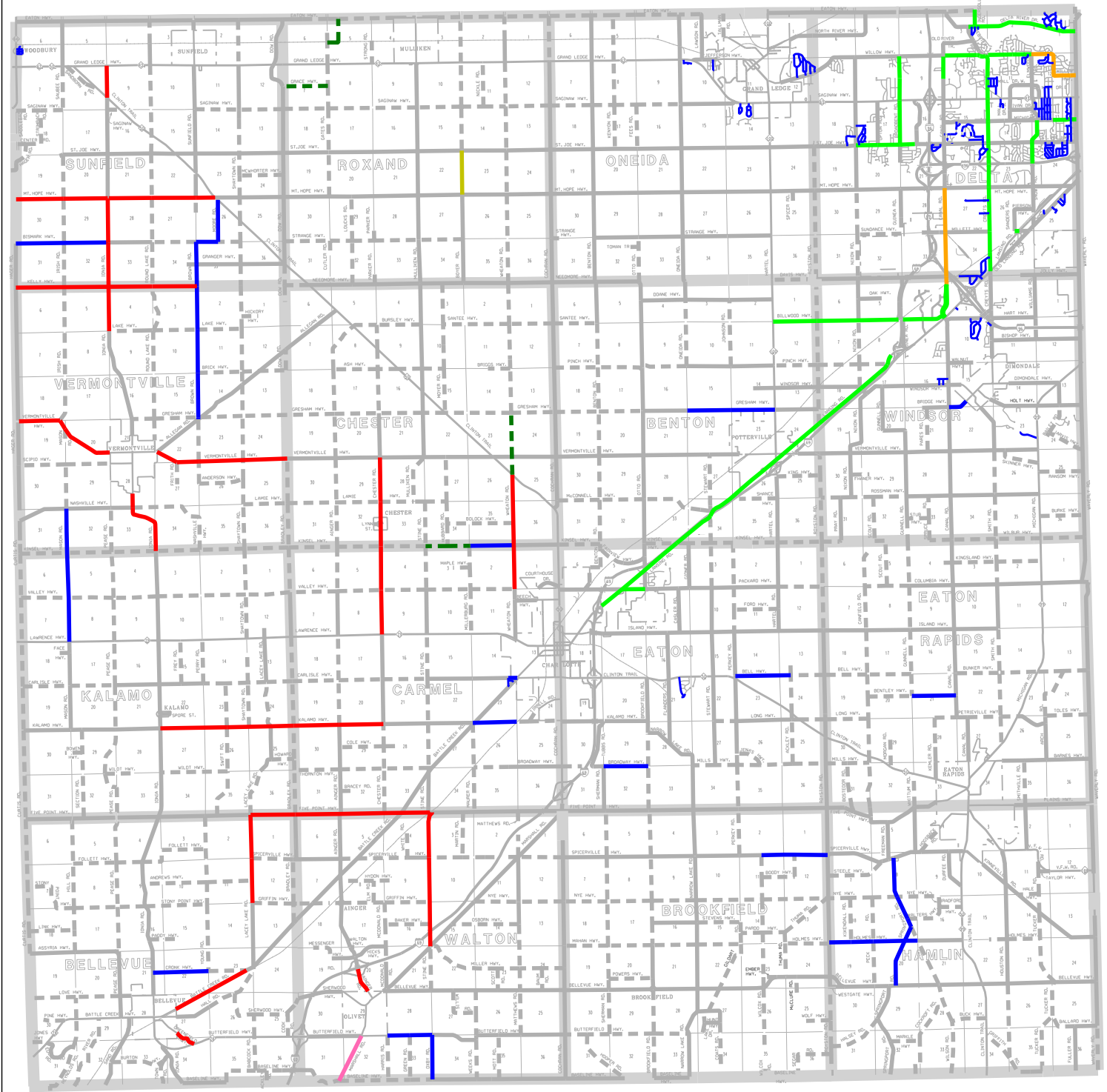
TOWNSHIP	PRIMARY ROADS		TOTAL MILES PRIMARY	LOCAL ROADS		PLATTED STREETS		TOTAL MILES LOCAL	TOTAL MILES IN TWP	TOTAL MILES PAVED	TOTAL PERCENT PAVED	TOTAL MILES GRAVEL
	PAVED	GRAVEL		PAVED	GRAVEL	PAVED	GRAVEL					
Bellevue	18.40	-	18.40	3.66	44.78	0.23	-	48.67	67.07	22.29	33.23%	44.78
Benton	28.13	-	28.13	7.02	26.60	-	-	33.62	61.75	35.15	56.92%	26.60
Brookfield	18.41	-	18.41	9.19	44.83	-	-	54.02	72.43	27.60	38.11%	44.83
Carmel	23.36	-	23.36	8.26	33.66	0.33	-	42.25	65.61	31.95	48.70%	33.66
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	7.44	6.13	98.25	0.64	112.46	168.31	161.54	95.98%	6.77
Eaton	25.99	-	25.99	19.28	18.61	4.28	-	42.17	68.16	49.55	72.70%	18.61
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	31.66	-	0.10	44.82	71.29	39.53	55.45%	31.76
Kalamo	18.30	-	18.30	8.26	39.10	0.26	-	47.62	65.92	26.82	40.69%	39.10
Oneida	23.51	-	23.51	16.19	14.55	9.42	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	23.00	-	23.00	12.29	35.42	-	-	47.71	70.71	35.29	49.91%	35.42
Windsor	31.54	-	31.54	16.19	25.80	10.85	0.30	53.14	84.68	58.58	69.18%	26.10
TOTAL	391.78	-	391.78	159.53	497.64	124.34	1.36	782.87	1,174.65	675.65	57.52%	499.00

EATON COUNTY, MICHIGAN

2017 PROJECTS










- ASPHALT OVERLAY
- REGRAVEL
- COLD MILL OVERLAY
- SINGLE SEAL AND FOG
- OVERBAND CRACK FILL
- CRUSH AND SHAPE
- JOINT REPAIR AND RESURFACE
- BRIDGE REPLACEMENT
- INTERSECTION WIDENING

DECEMBER 31, 2017



EATON COUNTY, MICHIGAN

URBAN AREA 2017 PROJECTS

- | | | | |
|---|---------------------|---|----------------------------|
|  | ASPHALT OVERLAY |  | OVERBAND CRACK FILL |
|  | REGRAVEL |  | CRUSH AND SHAPE |
|  | COLD MILL, OVERLAY |  | JOINT REPAIR AND RESURFACE |
|  | SINGLE SEAL AND FOG |  | BRIDGE REPLACEMENT |
| | |  | INTERSECTION WIDENING |

DECEMBER 31, 2017

