

# BAY COUNTY ROAD COMMISSION

## 2019

One Hundred and Twentieth

### ANNUAL REPORT



*Garfield Road from US-10 to Midland*



*11 Mile Road from Bentley Road to M-61*



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## Engineer-Manager Report

Attached is the 120th Annual Report for the Board of County Road Commissioners, County of Bay (BCRC). This report is a brief summary of services the BCRC provided in 2019, as well as, revenues and expenditures as they apply to the 2019 fiscal year. Please see Exhibit A on Page 2 of this report for specific accounting information.

Operationally, the BCRC was able to maintain the same number of personnel, both field and administrative staff, as it did in 2018. Our staffing level has remained steady at or around 53 employees for the past several years. Michigan Transportation Fund (MTF) revenue, which represents the BCRC's primary operating and maintenance funding source, has increased significantly due to State legislation passed in mid-2016. MTF revenue received in 2019 increased by \$775,000 or 6.9% over that received in 2018. This new revenue allowed the BCRC to complete 20 miles of hard-surface paving (asphalt) on its Primary road system. Nothing close to this volume of road improvement work has occurred since 2005. Our hope is that MTF revenue increases, parallel inflation and we are able to continue to complete this amount of road and bridge work every year. The new revenue is making a significant difference in our ability to properly maintain and improve the system. It will still be a long-term process, but progress is definitely being made. The increase in MTF revenue also had a positive effect on our equipment, as we are beginning to be able to utilize an equipment replacement schedule verses basing replacements on an "as-needed" basis.

Our staff continues to receive compliments for their maintenance efforts throughout Bay County. BCRC crews, which provide snow plowing, concrete road repair/patching, address drainage issues, emergency signing and a host of other services, continually receive accolades and high marks for their workmanship, especially from the Michigan Department of Transportation (MDOT). These complimentary remarks are regularly heard during Board meetings from many of the Township officials. Our commitment to serving Bay County's motoring public remains strong.

During 2019, in-house staff continued to expand and complete more design and construction engineering projects during 2019. Further, our field crews continue to complete road rehabilitation and drainage improvement projects throughout Bay County, saving the costs associated with hiring a third-party contractor. In addition, we utilized BCRC staff to complete various components of Federal-Aid projects. In these cases, the use of BCRC manpower results in substantial savings to the BCRC. These practices will continue in 2020 and future years.

We enter 2020 with a substantial list of project needs, but confidently anticipate the legislation passed in mid-2016 will deliver the revenue promised through 2021. As a reflection of 2019, the BCRC's 2020 budget includes over 20 miles of hard-surface paving and the replacement of four bridges. This is where the BCRC needs to be to reach the State's goal of providing the public a road and bridge system that is rated "Good" or better. The BCRC is required to complete a 5-10 Year Road Asset Management Plan by October 1, 2020. This plan will be crucial in guiding this agency to reach that goal. Not only will the plan identify the "right fix, at the right time", it will also assist staff and the Board in "right-sizing" the overall road and bridge system to adequately and efficiently move traffic. We continuously look for ways to reduce costs, identify and secure road and bridge grant funding and work with the Townships to address road needs. We diligently review our policies and procedures, institute new when necessary, in an ongoing effort to achieve financial stability and provide the best possible road and bridge system for Bay County.

Respectfully submitted,

James C. Lillo, P.E.  
Engineer-Manager  
June 25, 2020

## EXHIBIT A

Bay County Residents: 103,923  
 Road Commission Employees: 54  
 Commissioners: 3

Townships served: 14

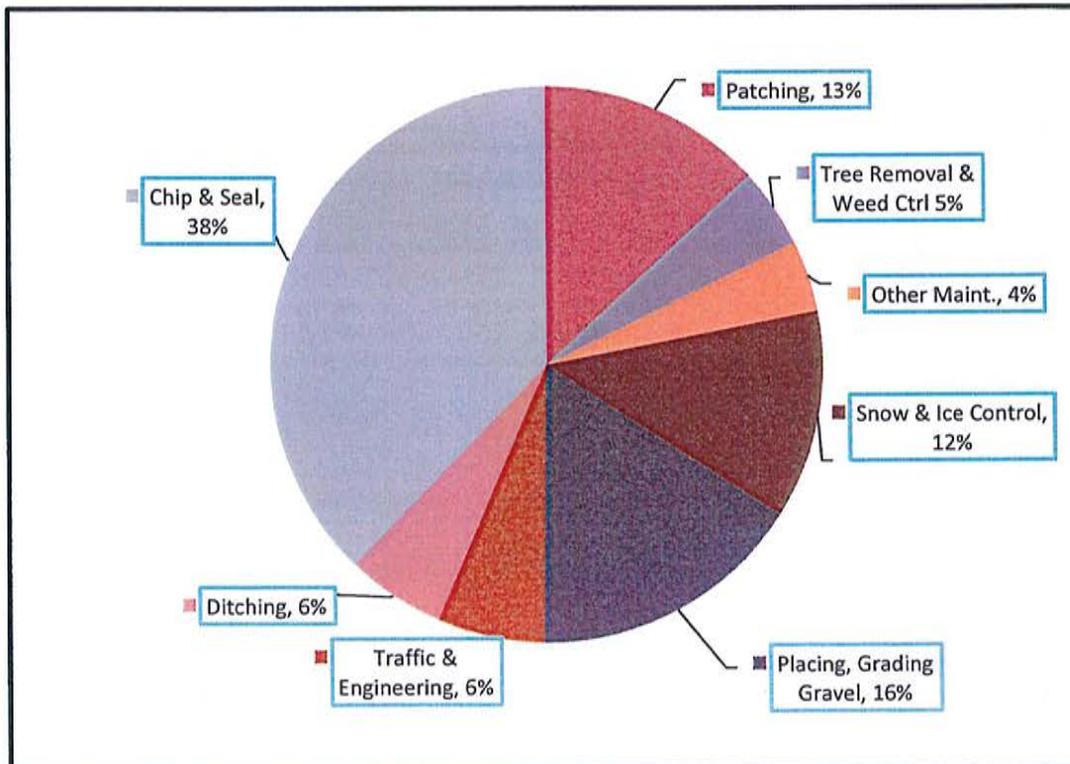
Bangor	Kawkawlin
Beaver	Merritt
Frankenlust	Monitor
Fraser	Mt. Forest
Garfield	Pinconning
Gibson	Portsmouth
Hampton	Williams

Total Revenue	\$19,876,099
MI Transportation Fund (MTF)	\$12,594,187
Federal Revenue	\$1,873,829
State Trunkline/Other	\$1,502,520
Township Contributions	\$2,492,518
Miles of 2019 Hvy Maint. Projects	79.14
Miles of Chip/Seal Projects	60.43
Building Better Local Road Used	\$260,000
Primary Heavy Maint. Projects	\$7,086,335
Local Heavy Maint. Projects	\$1,835,065
Bridge Inspections	\$48,262
Tons of Salt Used	8,565

### Expense Categories for Local Road Maintenance:

	% of Total	Amount for 2019
Patching	13%	\$407,078
Tree Removal & Weed Control	5%	144,028
Other Maint.	4%	126,532
Snow & Ice Control (8% in 2018)	12%	376,795
Placing, Grading Gravel	16%	518,077
Traffic & Engineering	6%	194,157
Ditching	6%	177,257
Chip & Seal (45% in 2018)	38%	1,167,031
<b>Total</b>	<b>100%</b>	<b>\$3,110,955</b>

Total Miles of Road	1,035
Miles of Primary Road	371
Miles of Local Road	664
Miles of Paved Road	863
Bridges	84



## Mission Statement



**Our mission** is to maintain a county road system that is safe and convenient for public travel. We will strive to provide the highest quality, cost-effective services to maintain and improve our road system.

**Our work** is a co-operative effort - a partnership between employees, residents, townships, and other government units.

**Our policy** is to be available and responsive to the needs of the citizens of Bay County.

**Our Philosophy** is to create an environment where all employees:

- Support working together and are involved in the organization process.
- Are properly trained and informed to help them achieve their full potential.
- Are willing to listen to and treat each other with respect.
- Are willing to be pro-active and utilize problem solving, cost reduction techniques.
- Engage in continuous improvement and education in all aspects of our mission.
- Are proud to be members of the Road Commission team.

**BAY COUNTY ROAD COMMISSION – Safety and Service**

## Board of County Road Commissioners

The Board of County Road Commissioners, County of Bay, consists of three members who are elected by a majority of the voting public. The road commissioners serve six-year staggered terms (one road commissioner being elected every two years). Their compensation, fixed by the Bay County Board of Commissioners, is paid from road funds on a salary basis.

The Board is the policy-making body of the Bay County Road Commission and is responsible for establishing budget priorities and managing Motor Transportation Funds (MTF) received on an annual basis. The 2019 MTF equaled \$12.6 million. The Board holds regularly scheduled public meetings, as well as, frequent public hearings to communicate with township officials and county residents on a variety of road and safety issues.



**EDWARD L. RIVET**  
Chairman

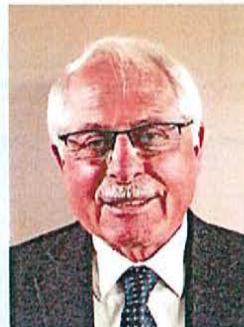
Mr. Edward (Ed) Rivet has been on the Board since 2009, was Vice-Chairman from 2011 through 2018 and, in 2019, was elected Chairman. Mr. Rivet graduated from Michigan State University and has held many township and county elected positions throughout his lifetime.

**ELECTED TERM**  
2015 - 2020



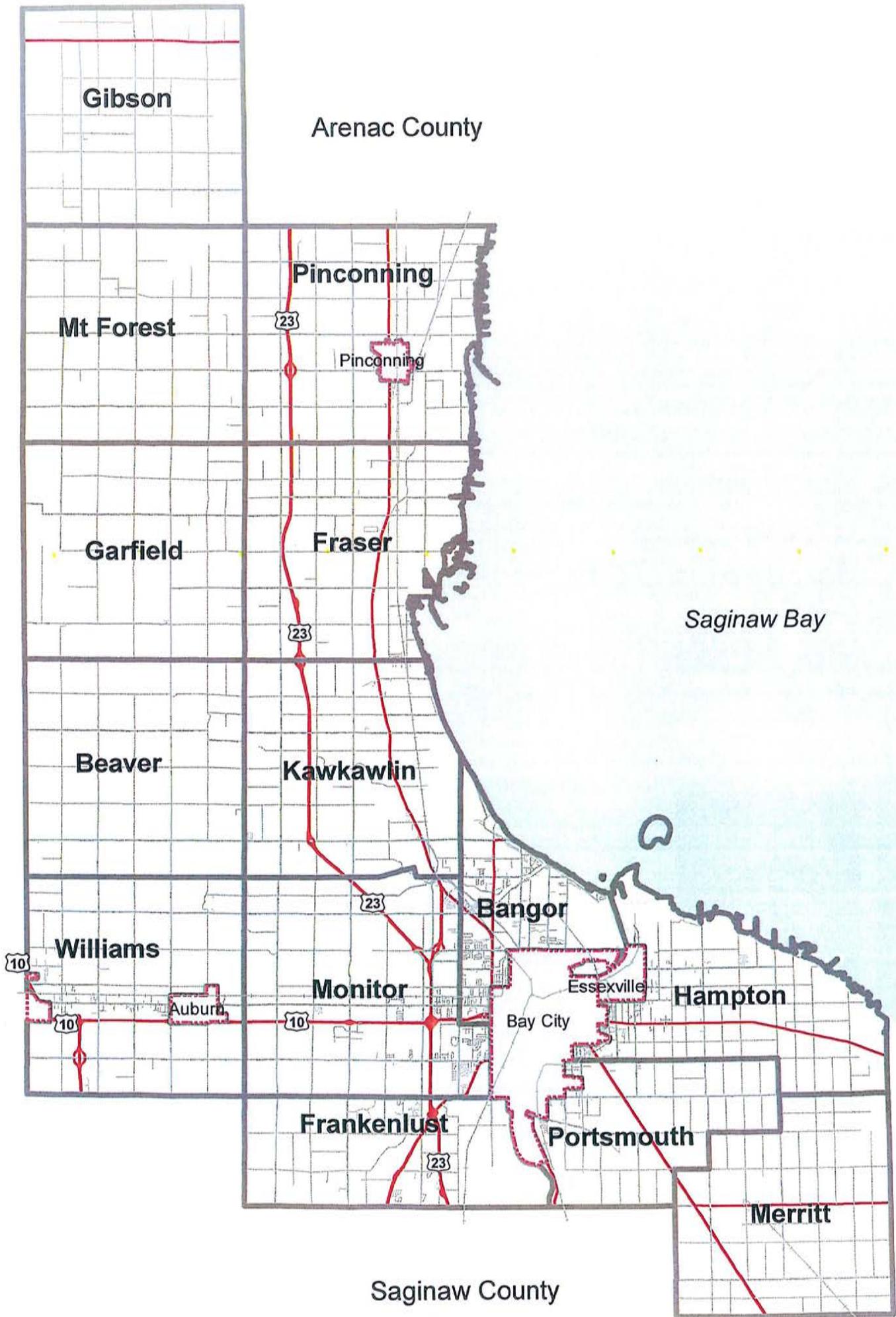
**MICHAEL G. RIVARD**  
Vice-Chairman

**ELECTED TERM**  
2017- 2022

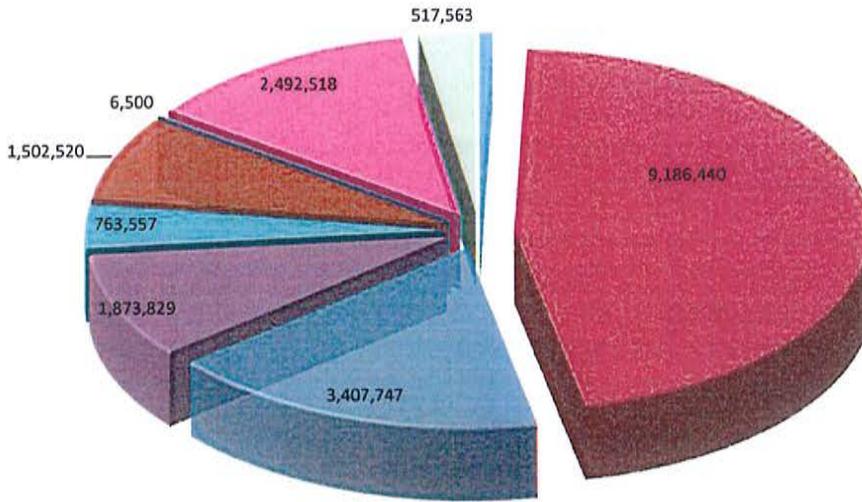


**WILLIAM E. SCHUMACHER**  
Commissioner

**ELECTED TERM**  
2019 - 2024

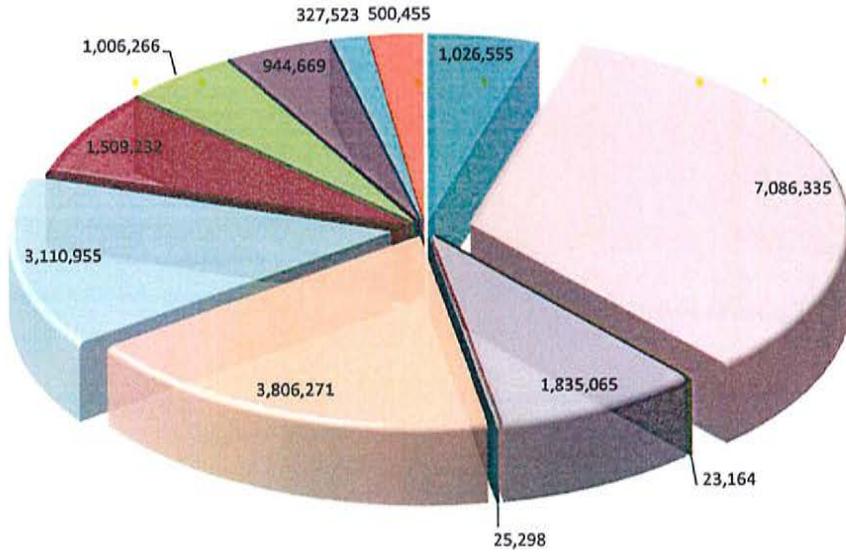


## REVENUES



- INTEREST EARNED- \$ 125,425 0.6%
- MTF PRIMARY- \$ 9,186,400 46.2%
- MTF LOCAL- \$ 3,407,747 17.2%
- STATE & FED. GRANTS- \$ 1,873,829 9.4%
- OTHER STATE FD - \$ 763,557 3.8%
- STATE TRUNKLINES- \$ 1,502,520 7.6%
- GAIN ON DISPOSAL- \$ 6,500 0.1%
- LOCALLY RAISED FUNDS- \$ 2,492,518 12.5%
- PERMITS, ROYALTIES, MISC.- \$ 517,863 2.6%

## EXPENSES



- CONSTRUCTION- \$ 1,026,555 4.8%
- HEAVY MAINT. PRIMARY - \$ 7,086,335 33.4%
- BRIDGES PRIMARY - \$ 23,164 0.1%
- HEAVY MAINT. LOCAL- \$ 1,835,065 8.7%
- BRIDGES LOCAL - \$ 25,298 0.1%
- ROUTINE MAINT. PRIMARY - \$ 3,806,271 18.0%
- ROUTINE MAINT. LOCAL- \$ 3,110,955 14.7%
- STATE TRUNKLINE MAINT. - \$ 1,509,232 7.1%
- ADMINISTRATION - \$ 1,006,266 4.7%
- OTHER - \$ 944,669 4.5%
- CAPITAL OUTLAY-NET - \$ 327,523 1.5%
- EQUIPMENT EXPENSE- \$ 500,455 2.4%

**BAY COUNTY ROAD COMMISSION  
 COMBINED BALANCE SHEET  
 ALL FUND TYPES AND ACCOUNT GROUPS  
 DECEMBER 31, 2019**

	<u>General Operating</u>
<b>ASSETS</b>	
Cash and Cash Equivalents-	
On Deposit with Banks	\$ 107,439
On Deposit with County Treasurer	3,925,786
State Motor Transportation Funds	2,121,025
State Trunkline Maintenance	125,920
State Transportation Dept.-Other	553
Township Road Agreements	340,698
Due from County General Fund	-
Accounts Receivable	403,779
Inventories - Road Materials	782,273
- Equipment Parts and Materials	292,590
Prepaid Expenses	90,558
Interest Receivable	20,432
Deferred Federal Aid	-
Fixed Assets Net of Accumulated Depreciation	-
Amount to be Provided for Retirement of General Long-Term Debt	-
 Total Assets	 <u><u>\$ 8,211,053</u></u>
 <b>LIABILITIES AND FUND EQUITY</b>	
<u>Liabilities</u>	
Accounts Payable	846,988
Notes Payable - Short Term	-
Accrued Liabilities	82,140
Deferred Revenue	-
Advances from State	437,224
Other Liabilities	15,125
Accrued Sick Leave & Vacation	-
Total Liabilities	1,381,477
 <u>Fund Equity:</u>	
Investment in General Fixed Assets	-
Fund Balance:	-
Primary	3,095,956
Local	2,801,153
County Road	932,467
Total Fund Balances	6,829,576
 Total Liabilities and Fund Equity	 <u><u>\$ 8,211,053</u></u>

Account Groups		Total (Memo Only)
Fixed Assets	Long-Term Debt	December 31, 2019
\$ -	\$ -	\$ 107,439
-	-	3,925,786
-	-	2,121,025
-	-	125,920
-	-	553
-	-	340,698
-	-	-
-	-	403,779
-	-	782,273
-	-	292,590
-	-	90,558
-	-	20,432
-	-	-
3,324,942	-	3,324,942
-	1,043,142	1,043,142
-	-	-
<u>\$ 3,324,942</u>	<u>\$ 1,043,142</u>	<u>\$ 12,579,137</u>
\$ -	\$ -	\$ 846,988
-	-	-
-	-	82,140
-	-	-
-	-	437,224
-	-	15,125
-	1,043,142	1,043,142
-	1,043,142	2,424,619
-	-	-
3,324,942	-	3,324,942
-	-	-
-	-	3,095,956
-	-	2,801,153
-	-	932,467
-	-	6,829,576
-	-	-
<u>\$ 3,324,942</u>	<u>\$ 1,043,142</u>	<u>\$ 12,579,137</u>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2019

**STATEMENT OF REVENUES & EXPENSES BY FUND**

<u>DESCRIPTION</u>	Primary Road Fund	Local Road Fund	Road Comm. Fund	Total
<b><u>Revenue</u></b>				
Michigan Transportation Fund	\$ 9,186,440	\$ 3,407,747	\$ -	\$ 12,594,187
State Other Funding	763,557	-	-	763,557
Federal Revenue	1,873,829	-	-	1,873,829
County Raised Revenue	-	2,492,518	-	2,492,518
State Trunkline	-	-	1,502,520	1,502,520
Gain on Disposal of Equipment	-	-	6,500	6,500
Interest Earned	61,601	35,768	28,056	125,425
Miscellaneous Revenue	46,367	2,241	53,944	102,552
Other	-	6	415,005	415,011
<b>Total Revenue</b>	<b>\$ 11,931,794</b>	<b>\$ 5,938,280</b>	<b>\$ 2,006,025</b>	<b>\$ 19,876,099</b>
<b><u>Expenditures</u></b>				
Construction	\$ 1,026,555	\$ -	\$ -	\$ 1,026,555
Heavy Maintenance	7,086,335	1,835,065	-	8,921,400
Heavy Maint. Structures	23,164	25,298	-	48,462
Routine Maintenance	3,806,270	3,110,956	-	6,917,226
Administrative	710,501	295,765	-	1,006,266
State Trunkline	-	-	1,509,232	1,509,232
Equipment Account	188,381	195,718	116,356	500,455
Other	-	-	944,669	944,669
<b>Total Operating Expenditures</b>	<b>\$ 12,841,206</b>	<b>\$ 5,462,802</b>	<b>\$ 2,570,257</b>	<b>\$ 20,874,265</b>
<b><u>Non-Operating Expenditures</u></b>				
Net Capital Outlay	-	-	327,523	327,523
Debt Principal Payment	-	-	-	-
Interest Expense	-	-	-	-
<b>Total Expenditures</b>	<b>\$ 12,841,206</b>	<b>\$ 5,462,802</b>	<b>\$ 2,897,780</b>	<b>\$ 21,201,788</b>
Increase (Decrease) In Available Operating Fund	(909,412)	475,478	(891,755)	\$ (1,325,689)
Beginning Fund Balance 01/01/19	\$ 4,005,367	\$ 2,325,675	\$ 1,824,223	\$ 8,155,265
Adjustment to Fund Balance Intra-Fund Transfer	-	-	-	-
<b>Ending Balance 12/31/19</b>	<b>\$ 3,095,955</b>	<b>\$ 2,801,153</b>	<b>\$ 932,468</b>	<b>\$ 6,829,576</b>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2019

**STATEMENT OF REVENUES**

Calendar Years 2019-2016

	2019	2018	2017	2016
<b><u>Michigan Transportation Fund</u></b>				
County Primary Road Fund	\$9,186,440	\$8,225,054	\$7,730,422	\$5,913,713
County Local Road Fund	3,407,747	3,070,009	2,870,144	2,193,735
<b>Total MTF</b>	<b>12,594,187</b>	<b>11,295,063</b>	<b>10,600,566</b>	<b>8,107,448</b>
<b><u>State Grants</u></b>				
Other State Funding PA 252	-	2,611,885	-	622,491
State Bridge, Tire Grant and other	763,557	-	415,476	1,087,567
<b>Total State Grants</b>	<b>763,557</b>	<b>2,611,885</b>	<b>415,476</b>	<b>1,710,058</b>
<b><u>Federal Aid Revenue</u></b>				
Surface Tran. Program (STP)	1,873,829	1,081,633	628,603	136,789
<b>Total Federal Aid Revenue</b>	<b>1,873,829</b>	<b>1,081,633</b>	<b>628,603</b>	<b>136,789</b>
<b><u>County Raised Revenue</u></b>				
City & Village Contributions	-	-	-	-
Township Contributions	2,238,526	1,476,400	1,295,089	1,873,380
Other Contributions	253,992	149,908	122,386	210,961
<b>Total County Raised Revenue</b>	<b>2,492,518</b>	<b>1,626,308</b>	<b>1,417,475</b>	<b>2,084,341</b>
Trunkline Maintenance	1,424,005	1,347,279	1,536,382	1,688,708
Trunkline Non-Maintenance	78,515	64,179	411,136	190,804
<b><u>Miscellaneous Revenue</u></b>				
Permit Fees	102,552	94,113	67,434	65,215
Salvage Sales	4,750	7,708	3,137	2,967
Interest Earned	125,425	97,174	67,370	49,865
Royalty Revenue	0	488	10,785	9,684
Sundry Refunds	332	534	557	7,378
Land & Building Sales	-	-	-	-
Gain on Disposal of Equipment	6,500	90,105	1,000	33,709
Other Revenues	409,929	92,475	126,807	141,532
<b>Total Miscellaneous Revenue</b>	<b>649,488</b>	<b>382,597</b>	<b>277,090</b>	<b>310,350</b>
<b>Total Revenue</b>	<b>\$19,876,099</b>	<b>\$18,408,944</b>	<b>\$15,286,728</b>	<b>\$14,228,498</b>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2019

**Statement of Expenditures**

Calendar Years 2019-2016

	2019	2018	2017	2016
<b><u>Operating Expenditures</u></b>				
<b><u>Construction</u></b>				
Primary Road System	\$1,026,555	\$24,319	\$930	\$176,033
Local Road System	-	-	-	-
Total Construction	1,026,555	24,319	930	176,033
<b><u>Heavy Maintenance</u></b>				
Primary Road System	7,086,335	5,813,065	3,272,673	1,207,375
Primary Bridge & Structures	23,164	39,781	13,003	1,281,094
Total Primary Heavy Maintenance	7,109,499	5,852,846	3,285,676	2,488,469
Local Road System	1,835,065	555,795	1,078,541	1,314,860
Local Bridge & Structures	25,298	13,266	18,694	76,897
Total Local Heavy Maintenance	1,860,363	569,061	1,097,235	1,391,757
Total Heavy Maintenance	8,969,862	6,421,907	4,382,911	3,880,226
<b><u>Routine Maintenance</u></b>				
Primary Road System	2,604,127	2,542,418	2,676,968	2,629,359
Snow Removal and Ice Control	764,773	674,880	556,384	782,847
Traffic Control	437,371	463,891	472,575	403,299
Total Primary Maintenance	3,806,271	3,681,189	3,705,927	3,815,505
Local Road System	2,565,157	2,501,336	2,129,222	2,786,502
Snow Removal and Ice Control	376,795	233,997	246,334	417,116
Traffic Control	169,003	179,815	152,491	170,943
Total Local Maintenance	3,110,955	2,915,148	2,528,047	3,374,561
Total Routine Maintenance	6,917,226	6,596,337	6,233,974	7,190,066
Administrative Expense	1,006,266	973,376	1,060,425	1,137,432
State Trunkline Maintenance	1,430,717	1,392,680	1,534,103	1,506,614
State Trunkline Non-Maintenance	78,515	64,179	411,115	190,859

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2019

**Statement of Expenditures**

Calendar Years 2019-2016

	2019	2018	2017	2016
<b><u>Equipment Expense</u></b>				
*Direct Expense	1,471,423	1,151,939	1,074,058	1,017,268
*Indirect Expense	932,000	828,977	790,172	876,413
*Operating Expense	332,891	362,212	330,264	254,985
Total Equipment Expense	<u>2,736,314</u>	<u>2,343,128</u>	<u>2,194,494</u>	<u>2,148,666</u>
*Credit to Equipment Expense	(2,235,859)	(2,049,617)	(2,233,399)	(2,450,008)
Net Equipment Expense	500,455	293,511	(38,905)	(301,342)
<b>Total Operating Expenditures</b>	<b>\$ 19,929,596</b>	<b>\$ 15,766,309</b>	<b>\$ 13,584,553</b>	<b>\$ 13,779,888</b>
<b><u>Non-Operating Expenditures</u></b>				
<b><u>Capital Outlay</u></b>				
Land	\$ -	\$ 7,735	\$ -	\$ -
Buildings	81,652	125,189	67,639	49,623
Road Equipment	764,006	979,864	728,028	570,328
Shop, Engineers, & Office Equipment	-	7,996	-	12,936
Yards & Storage	-	-	15,438	7,260
Equipment Retirement	-	-	-	(1,999)
Depletable Assets	360,000			
Depreciation and Depletion	(878,135)	(656,142)	(563,650)	(463,893)
Net Capital Outlay	<u>327,523</u>	<u>464,642</u>	<u>247,455</u>	<u>174,255</u>
Debt Principal Payment	0	0	0	57,524
Other Expense	944,669	399,374	602,805	293,923
Interest Expense	0	0	0	1,637
<b>Total Expenditures</b>	<b><u>\$ 21,201,788</u></b>	<b><u>\$ 16,630,325</u></b>	<b><u>\$ 14,434,813</u></b>	<b><u>\$ 14,307,227</u></b>

\*Direct Expense-Mechanics Wages, fringe benefits and repair parts.

\*Indirect Expense-Garage supervision, storage cost, insurances, utilities, garage building maintenance, yard maintenance and building depreciation.

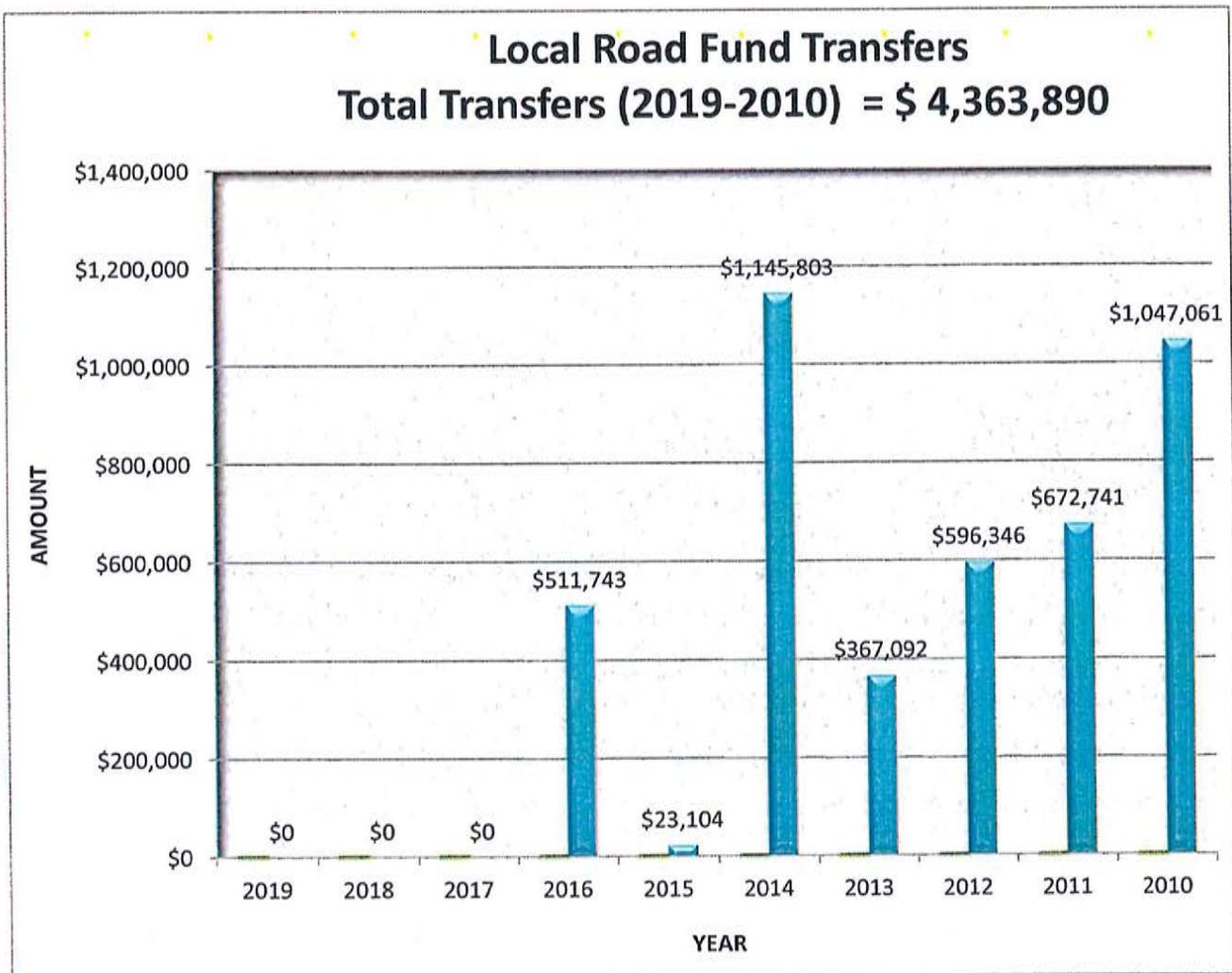
\*Operating Expense-Gasoline, diesel, oil, grease, and anti-freeze.

\*Credit to Equipment Expense-Equipment rental charged against construction, maintenance and heavy maintenance projects.

## STATEMENT OF CHANGES IN FUND BALANCE

Calendar Years 2019-2016

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Total Revenues	\$ 19,876,099	\$ 18,408,944	\$ 15,286,728	\$ 14,228,498
Total Expenditures	\$ 21,201,788	\$ 16,630,325	\$ 14,434,813	\$ 14,307,227
Excess of Revenue Over (Under) Expenditures	<u>\$ (1,325,689)</u>	<u>\$ 1,778,619</u>	<u>\$ 851,915</u>	<u>\$ (78,729)</u>
Fund Equity - January 1	\$ 8,155,265	\$ 6,376,646	\$ 5,524,731	\$ 5,603,460
Adjustment	\$ -	\$ -	\$ -	\$ -
Fund Equity - December 31	<u>\$ 6,829,576</u>	<u>\$ 8,155,265</u>	<u>\$ 6,376,646</u>	<u>\$ 5,524,731</u>



# BAY COUNTY ROAD COMMISSION

2019 - 2016

## TOWNSHIP PAYMENTS

PAID CONTRIBUTIONS ON ROAD AGREEMENTS				
TOWNSHIP	2019	2018	2017	2016
BANGOR	316,049	3,053	20,487	9,665
BEAVER	186,935	139,751	51,426	186,393
FRANKENLUST	343,660	172,373	170,768	242,758
FRASER	182,294	199,926	199,464	190,553
GARFIELD	91,061	73,698	107,768	78,718
GIBSON	68,543	46,115	43,691	23,188
HAMPTON	378,237	61,138	7,300	92,573
KAWKAWLIN	89,689	139,954	340,428	241,977
MERRITT	110,026	51,459	61,263	121,402
MONITOR	106,499	61,247	35,189	42,858
MT. FOREST	64,922	41,806	39,990	5,524
PINCONNING	83,035	127,052	61,478	90,379
PORTSMOUTH	89,685	129,287	54,241	333,033
WILLIAMS	127,891	229,541	101,596	214,360
<b>TOTALS</b>	<b>\$2,238,526</b>	<b>\$1,476,400</b>	<b>\$1,295,089</b>	<b>\$1,873,381</b>

## TOWNSHIP MAINTENANCE REPORT

MILEAGE:            370.62                            663.79

**PRIMARY                            LOCAL**

Bangor Township		\$794,158.51		\$277,915.78
Beaver Township		\$251,247.58		\$214,248.59
Frankenlust Township		\$168,836.12		\$181,023.91
Fraser Township		\$239,049.42		\$212,334.42
Garfield Township		\$168,728.58		\$348,725.91
Gibson Township		\$104,601.29		\$219,029.18
Hampton Township		\$201,783.97		\$287,771.49
Kawkawlin Township		\$316,934.17		\$240,865.03
Merritt Township		\$154,791.80		\$211,934.39
Monitor Township		\$409,562.18		\$185,409.76
Mt. Forest Township		\$130,056.58		\$182,574.05
Pinconning Township		\$167,637.66		\$216,660.20
Portsmouth Township		\$151,117.66		\$169,383.27
Williams Township		\$547,765.04		\$163,079.52

Total Maintenance Expenditures	\$	<b>3,806,270.56</b>	<b>3,110,955.50</b>
2019 Original Budget	\$	<b>4,125,626.00</b>	<b>2,880,148.00</b>
Budget vs. Actual Costs	\$	319,355.44	(230,807.50)

# TOWNSHIP MAINTENANCE REPORT

## ALL TOWNSHIPS

**PRIMARY      LOCAL**

MILEAGE:            370.62      663.79

### DESCRIPTION OF WORK

Dust Control	\$0.00	\$127,009.25
Placing Gravel	\$5,238.83	\$85,195.90
Blading & Grading	\$828.88	\$305,872.24
Chip & Seal	\$0.00	\$0.00
AMZ Patching	\$35,569.45	\$110,467.57
Seal Blend	\$0.00	\$0.00
Surface Maintenance	\$492,336.17	\$296,610.68
Crack & Joint Sealing	\$4,226.14	\$0.00
Shoulder Maintenance	\$130,658.68	\$88,535.20
Curb & Gutter	\$0.00	\$0.00
Trees & Shrubs	\$80,937.05	\$126,938.85
Drainage & Backslope	\$100,962.79	\$125,449.85
Ditch Clean Out	\$73,450.98	\$51,807.06
Roadside Cleanup	\$14,943.19	\$3,494.82
Grass & Weed Control	\$143,383.38	\$17,089.27
Brush Cutting	\$38,137.30	\$16,799.45
Culvert / Underdrain Maintenance	\$33,133.93	\$742.38
Guard Rail & Post	\$63,902.26	\$9,614.57
Sweeping & Flushing	\$11,469.90	\$3,470.18
Winter Maintenance	\$764,772.75	\$376,795.06
Winter Maintenance Patrol	\$0.00	\$0.00
Bridge Structures	\$0.00	\$0.00
Traffic Signs	\$437,906.08	\$169,003.32
Engineering Services	\$6,380.49	\$6,156.76
Field Supervision	\$285,785.52	\$18,516.41
Roadway Inspection	\$412.23	\$480.91
Emergency Response	\$6,759.05	\$3,874.53
BCRC Projects	\$1,075,075.51	\$1,167,031.24
Sub-Total of Maint. Expenditures	<b>3,806,270.56</b>	<b>3,110,955.50</b>
2019 Original Budget	<b>4,125,626.00</b>	<b>2,880,148.00</b>
Budget vs. Actual Costs	319,355.44	(230,807.50)

# TOWNSHIP MAINTENANCE REPORT

## BANGOR TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      31.4                      43.56

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	556.39
Blading & Grading	-	2,295.13
Chip & Seal	-	-
AMZ Patching	5,382.84	9,944.51
Seal Blend	-	-
Surface Maintenance	139,367.59	26,175.23
Crack & Joint Sealing	-	-
Shoulder Maintenance	16,106.34	-
Curb & Gutter	-	-
Trees & Shrubs	8,582.53	8,706.65
Cleaning Drainage Structures	9,757.64	16,689.14
Ditch Clean Out	6,453.84	612.86
Roadside Cleanup	1,787.61	236.49
Grass & Weed Control	12,679.79	1,406.87
Brush Cutting	1,637.10	1,917.65
Culvert / Underdrain Maintenance	8,002.99	-
Guard Rail & Post	43,560.69	283.21
Sweeping & Flushing	4,625.32	318.34
Winter Maintenance	117,531.18	56,108.74
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	83,583.47	7,263.74
Engineering Services	2,749.55	3,667.79
Field Supervision	30,345.11	-
Roadway Inspection	-	-
Emergency Response	1,695.32	-
BCRC Projects	\$ 300,309.60	\$ 141,733.04
Sub-Total of Maint. Expenditures	<b>794,158.51</b>	<b>277,915.78</b>
2019 Original Budget	<b>590,842.00</b>	<b>251,154.00</b>
Budget vs. Actual Costs	\$ (203,316.51)	\$ (26,761.78)



# TOWNSHIP MAINTENANCE REPORT

## FRANKENLUST TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      16.5                      29.94

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	1,728.18
Blading & Grading	-	3,626.88
Chip & Seal	-	-
AMZ Patching	592.73	1,468.57
Seal Blend	-	-
Surface Maintenance	17,274.45	16,807.00
Crack & Joint Sealing	-	-
Shoulder Maintenance	16,931.67	3,031.64
Curb & Gutter	-	-
Trees & Shrubs	6,613.85	2,353.47
Cleaning Drainage Structures	7,222.76	6,894.73
Ditch Clean Out	911.03	2,178.32
Roadside Cleanup	2,392.34	365.33
Grass & Weed Control	10,800.05	3,769.51
Brush Cutting	1,646.35	802.88
Culvert / Underdrain Maintenance	1,304.81	-
Guard Rail & Post	8,361.01	-
Sweeping & Flushing	550.25	229.28
Winter Maintenance	45,165.47	17,015.67
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	25,434.23	14,838.52
Engineering Services	-	-
Field Supervision	22,587.33	3,579.93
Roadway Inspection	137.41	-
Emergency Response	910.38	397.29
BCRC Projects	\$ -	\$ 101,936.71
Sub-Total of Maint. Expenditures	<b>168,836.12</b>	<b>181,023.91</b>
2019 Original Budget	<b>223,512.00</b>	<b>220,474.00</b>
Budget vs. Actual Costs	\$ 54,675.88	\$ 39,450.09

# TOWNSHIP MAINTENANCE REPORT

## FRASER TOWNSHIP

**PRIMARY**      **LOCAL**  
**MILEAGE:**      28.39      57.67

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 4,948.75
Placing Gravel	70.63	2,524.90
Blading & Grading	-	12,193.21
Chip & Seal	-	-
AMZ Patching	184.65	9,079.58
Seal Blend	-	-
Surface Maintenance	24,372.10	11,703.60
Crack & Joint Sealing	1,018.84	-
Shoulder Maintenance	4,873.23	6,952.77
Curb & Gutter	-	-
Trees & Shrubs	6,435.31	2,230.47
Cleaning Drainage Structures	9,257.58	10,096.50
Ditch Clean Out	1,146.75	4,640.49
Roadside Cleanup	148.39	-
Grass & Weed Control	11,951.47	1,174.38
Brush Cutting	943.34	-
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	-	5,795.41
Sweeping & Flushing	1,264.70	187.82
Winter Maintenance	41,065.34	27,912.36
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	18,785.94	15,239.53
Engineering Services	-	-
Field Supervision	24,420.28	-
Roadway Inspection	-	-
Emergency Response	298.69	530.57
BCRC Projects	\$ 92,812.18	\$ 97,124.08
Sub-Total of Maint. Expenditures	<b>239,049.42</b>	<b>212,334.42</b>
2019 Original Budget	<b>271,552.00</b>	<b>242,413.00</b>
Budget vs. Actual Costs	\$ 32,502.58	\$ 30,078.58

# TOWNSHIP MAINTENANCE REPORT

## GARFIELD TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      24.5                      41.59

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 32,989.07
Placing Gravel	281.87	11,409.02
Blading & Grading	127.03	63,023.38
Chip & Seal	-	-
AMZ Patching	2,466.64	1,991.00
Seal Blend	-	-
Surface Maintenance	19,238.20	11,313.95
Crack & Joint Sealing	-	-
Shoulder Maintenance	4,544.69	16,276.22
Curb & Gutter	-	-
Trees & Shrubs	11,816.42	11,250.20
Cleaning Drainage Structures	4,832.99	7,117.83
Ditch Clean Out	-	-
Roadside Cleanup	126.89	128.22
Grass & Weed Control	10,346.57	-
Brush Cutting	9,968.43	5,538.18
Culvert / Underdrain Maintenance	629.74	-
Guard Rail & Post	-	-
Sweeping & Flushing	751.29	-
Winter Maintenance	43,261.98	25,196.36
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	16,621.89	3,355.65
Engineering Services	-	-
Field Supervision	23,663.12	-
Roadway Inspection	-	-
Emergency Response	313.00	-
BCRC Projects	\$ 19,737.83	\$ 159,136.83
Sub-Total of Maint. Expenditures	<b>168,728.58</b>	<b>348,725.91</b>
2019 Original Budget	<b>216,866.00</b>	<b>154,664.00</b>
Budget vs. Actual Costs	\$ 48,137.42	\$ (194,061.91)

# TOWNSHIP MAINTENANCE REPORT

## GIBSON TOWNSHIP

**PRIMARY**      **LOCAL**  
**MILEAGE:**      16.97      46.64

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 24,764.96
Placing Gravel	490.17	30,192.62
Blading & Grading	-	73,506.43
Chip & Seal	-	-
AMZ Patching	-	-
Seal Blend	-	-
Surface Maintenance	26,636.55	12,470.61
Crack & Joint Sealing	-	-
Shoulder Maintenance	4,693.69	16,229.20
Curb & Gutter	-	-
Trees & Shrubs	6,288.67	27,248.64
Cleaning Drainage Structures	2,917.74	2,139.01
Ditch Clean Out	-	-
Roadside Cleanup	-	-
Grass & Weed Control	3,713.88	584.08
Brush Cutting	7,474.56	129.68
Culvert / Underdrain Maintenance	70.30	-
Guard Rail & Post	-	-
Sweeping & Flushing	554.45	-
Winter Maintenance	33,628.88	19,884.04
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	1,835.73	3,504.18
Engineering Services	-	-
Field Supervision	15,827.24	-
Roadway Inspection	-	-
Emergency Response	469.43	313.00
BCRC Projects	\$ -	\$ 8,062.73
Sub-Total of Maint. Expenditures	<b>104,601.29</b>	<b>219,029.18</b>
2019 Original Budget	<b>184,060.00</b>	<b>172,029.00</b>
Budget vs. Actual Costs	\$ 79,458.71	\$ (47,000.18)

# TOWNSHIP MAINTENANCE REPORT

## HAMPTON TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      20.87                      64.99

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	6,361.85
Blading & Grading	-	1,158.75
Chip & Seal	-	-
AMZ Patching	-	2,644.03
Seal Blend	-	-
Surface Maintenance	21,754.90	30,486.11
Crack & Joint Sealing	564.25	-
Shoulder Maintenance	10,913.42	16,093.06
Curb & Gutter	-	-
Trees & Shrubs	4,124.14	3,627.65
Cleaning Drainage Structures	4,605.23	8,881.34
Ditch Clean Out	-	-
Roadside Cleanup	3,442.54	650.88
Grass & Weed Control	7,156.88	1,272.07
Brush Cutting	-	2,932.75
Culvert / Underdrain Maintenance	5,769.46	-
Guard Rail & Post	842.91	-
Sweeping & Flushing	1,254.38	596.24
Winter Maintenance	41,240.86	9,918.31
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	32,695.64	15,468.52
Engineering Services	-	-
Field Supervision	20,273.37	4,848.78
Roadway Inspection	137.41	480.91
Emergency Response	-	-

BCRC Projects	\$ 47,008.58	\$ 182,350.24
Sub-Total of Maint. Expenditures	<b>201,783.97</b>	<b>287,771.49</b>
2019 Original Budget	<b>254,376.00</b>	<b>299,600.00</b>
Budget vs. Actual Costs	\$ 52,592.03	\$ 11,828.51

# TOWNSHIP MAINTENANCE REPORT

## KAWKAWLIN TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      28.01                      50.86

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 1,195.81
Placing Gravel	-	-
Blading & Grading	-	4,752.64
Chip & Seal	-	-
AMZ Patching	-	16,676.77
Seal Blend	-	-
Surface Maintenance	36,917.78	41,826.22
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,549.93	3,433.85
Curb & Gutter	-	-
Trees & Shrubs	2,146.79	7,686.06
Cleaning Drainage Structures	3,677.17	7,023.19
Ditch Clean Out	13,560.85	16,912.30
Roadside Cleanup	-	251.64
Grass & Weed Control	11,330.49	1,415.59
Brush Cutting	530.42	1,049.47
Culvert / Underdrain Maintenance	769.04	-
Guard Rail & Post	-	-
Sweeping & Flushing	-	187.16
Winter Maintenance	74,187.38	29,441.14
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	41,174.70	11,436.24
Engineering Services	871.26	419.43
Field Supervision	17,690.74	-
Roadway Inspection	-	-
Emergency Response	800.25	606.19
BCRC Projects	\$ 107,727.37	\$ 96,551.33
Sub-Total of Maint. Expenditures	<b>316,934.17</b>	<b>240,865.03</b>
2019 Original Budget	<b>307,888.00</b>	<b>190,516.00</b>
Budget vs. Actual Costs	\$ (9,046.17)	\$ (50,349.03)

# TOWNSHIP MAINTENANCE REPORT

## MERRITT TOWNSHIP

**PRIMARY**      **LOCAL**  
**MILEAGE:**      17.44      56.49

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	11,785.99
Blading & Grading	-	20,230.41
Chip & Seal	-	-
AMZ Patching	11,983.64	4,363.34
Seal Blend	-	-
Surface Maintenance	15,329.92	24,301.09
Crack & Joint Sealing	-	-
Shoulder Maintenance	8,913.38	2,691.16
Curb & Gutter	-	-
Trees & Shrubs	2,782.90	1,906.93
Cleaning Drainage Structures	5,928.10	2,848.26
Ditch Clean Out	7,407.93	2,395.76
Roadside Cleanup	1,347.16	352.51
Grass & Weed Control	6,954.86	1,407.33
Brush Cutting	2,870.14	1,291.50
Culvert / Underdrain Maintenance	1,204.88	-
Guard Rail & Post	3,302.19	921.74
Sweeping & Flushing	183.42	594.68
Winter Maintenance	40,601.40	17,222.59
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	18,725.04	15,219.76
Engineering Services	-	-
Field Supervision	18,271.30	6,556.74
Roadway Inspection	-	-
Emergency Response	-	293.05
BCRC Projects	\$ 8,985.54	\$ 97,551.55
Sub-Total of Maint. Expenditures	<b>154,791.80</b>	<b>211,934.39</b>
2019 Original Budget	<b>193,251.00</b>	<b>211,666.00</b>
Budget vs. Actual Costs	\$ 38,459.20	\$ (268.39)

# TOWNSHIP MAINTENANCE REPORT

## MONITOR TOWNSHIP

**PRIMARY**                    **LOCAL**  
**MILEAGE:**                53.83                    59.04

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 1,912.58
Placing Gravel	4,288.00	-
Blading & Grading	-	8,338.42
Chip & Seal	-	-
AMZ Patching	9,640.23	12,561.28
Seal Blend	-	-
Surface Maintenance	51,364.58	21,815.26
Crack & Joint Sealing	2,643.05	-
Shoulder Maintenance	24,485.43	1,289.97
Curb & Gutter	-	-
Trees & Shrubs	6,419.37	2,081.87
Cleaning Drainage Structures	15,134.26	17,027.77
Ditch Clean Out	7,421.71	6,458.83
Roadside Cleanup	136.22	443.17
Grass & Weed Control	13,793.83	265.21
Brush Cutting	898.19	-
Culvert / Underdrain Maintenance	3,316.01	-
Guard Rail & Post	3,111.42	-
Sweeping & Flushing	168.63	187.16
Winter Maintenance	80,225.86	49,655.43
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	86,313.39	24,010.95
Engineering Services	2,144.79	1,145.75
Field Supervision	20,971.65	-
Roadway Inspection	-	-
Emergency Response	900.40	925.61
BCRC Projects	\$ 76,185.16	\$ 37,290.50
Sub-Total of Maint. Expenditures	<b>409,562.18</b>	<b>185,409.76</b>
2019 Original Budget	<b>570,045.00</b>	<b>281,678.00</b>
Budget vs. Actual Costs	\$ 160,482.82	\$ 96,268.24

# TOWNSHIP MAINTENANCE REPORT

## MT. FOREST TOWNSHIP

**PRIMARY**      **LOCAL**  
**MILEAGE:**      27.14      41.55

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 38,642.90
Placing Gravel	-	16,079.09
Blading & Grading	-	68,875.67
Chip & Seal	-	-
AMZ Patching	2,250.85	1,155.78
Seal Blend	-	-
Surface Maintenance	28,420.81	4,260.76
Crack & Joint Sealing	-	-
Shoulder Maintenance	4,135.20	13,495.32
Curb & Gutter	-	-
Trees & Shrubs	6,515.70	2,573.53
Cleaning Drainage Structures	3,946.37	5,551.26
Ditch Clean Out	652.94	-
Roadside Cleanup	378.18	128.22
Grass & Weed Control	14,117.42	292.06
Brush Cutting	3,619.01	64.83
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	-	-
Sweeping & Flushing	648.35	-
Winter Maintenance	37,441.45	23,858.58
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	4,982.44	4,993.70
Engineering Services	-	-
Field Supervision	16,863.66	-
Roadway Inspection	-	-
Emergency Response	-	-
BCRC Projects	\$ 6,084.20	\$ 2,602.35
Sub-Total of Maint. Expenditures	<b>130,056.58</b>	<b>182,574.05</b>
2019 Original Budget	<b>236,390.00</b>	<b>156,612.00</b>
Budget vs. Actual Costs	\$ 106,333.42	\$ (25,962.05)

# TOWNSHIP MAINTENANCE REPORT

## PINCONNING TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      28.44                      56.33

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 15,143.64
Placing Gravel	-	3,063.99
Blading & Grading	-	24,118.24
Chip & Seal	-	-
AMZ Patching	-	2,851.61
Seal Blend	-	-
Surface Maintenance	14,403.52	25,102.60
Crack & Joint Sealing	-	-
Shoulder Maintenance	8,397.22	384.09
Curb & Gutter	-	-
Trees & Shrubs	6,609.77	7,404.35
Cleaning Drainage Structures	4,846.45	9,919.74
Ditch Clean Out	482.63	589.90
Roadside Cleanup	715.36	68.90
Grass & Weed Control	10,155.75	648.14
Brush Cutting	4,952.48	-
Culvert / Underdrain Maintenance	167.90	-
Guard Rail & Post	-	-
Sweeping & Flushing	1,285.69	-
Winter Maintenance	41,377.10	23,442.29
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	17,675.71	13,732.30
Engineering Services	-	-
Field Supervision	24,946.03	-
Roadway Inspection	-	-
Emergency Response	-	217.58
BCRC Projects	\$ 31,622.05	\$ 89,972.83
Sub-Total of Maint. Expenditures	<b>167,637.66</b>	<b>216,660.20</b>
2019 Original Budget	<b>295,035.00</b>	<b>210,905.00</b>
Budget vs. Actual Costs	\$ 127,397.34	\$ (5,755.20)

# TOWNSHIP MAINTENANCE REPORT

## PORTSMOUTH TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      18.03                      34.91

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	251.64
Blading & Grading	-	-
Chip & Seal	-	-
AMZ Patching	-	13,283.49
Seal Blend	-	-
Surface Maintenance	12,587.73	16,976.73
Crack & Joint Sealing	-	-
Shoulder Maintenance	9,232.45	2,520.63
Curb & Gutter	-	-
Trees & Shrubs	4,177.37	960.05
Cleaning Drainage Structures	9,392.04	4,121.38
Ditch Clean Out	1,421.38	6,290.50
Roadside Cleanup	3,851.23	869.46
Grass & Weed Control	8,660.07	1,874.54
Brush Cutting	758.97	1,329.72
Culvert / Underdrain Maintenance	2,689.80	742.38
Guard Rail & Post	-	-
Sweeping & Flushing	183.42	795.18
Winter Maintenance	34,229.18	22,925.22
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	27,194.17	11,259.34
Engineering Services	-	-
Field Supervision	18,437.81	3,530.96
Roadway Inspection	137.41	-
Emergency Response	-	308.01
<b>BCRC Projects</b>	<b>\$ 18,164.63</b>	<b>\$ 81,344.04</b>
<b>Sub-Total of Maint. Expenditures</b>	<b>151,117.66</b>	<b>169,383.27</b>
<b>2019 Original Budget</b>	<b>211,496.00</b>	<b>148,056.00</b>
<b>Budget vs. Actual Costs</b>	<b>\$ 60,378.34</b>	<b>\$ (21,327.27)</b>

# TOWNSHIP MAINTENANCE REPORT

## WILLIAMS TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	34.92	35.41
<b>DESCRIPTION OF WORK</b>		
Dust Control	\$ -	\$ 7,411.54
Placing Gravel	108.16	-
Blading & Grading	701.85	20,035.50
Chip & Seal	-	-
AMZ Patching	-	13,656.52
Seal Blend	-	-
Surface Maintenance	45,871.39	35,782.18
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,442.77	2,400.92
Curb & Gutter	-	-
Trees & Shrubs	5,691.80	3,019.55
Cleaning Drainage Structures	14,268.28	9,417.34
Ditch Clean Out	3,601.56	326.52
Roadside Cleanup	481.05	-
Grass & Weed Control	10,841.13	1,583.16
Brush Cutting	1,512.25	719.40
Culvert / Underdrain Maintenance	6,285.49	-
Guard Rail & Post	4,724.04	2,614.21
Sweeping & Flushing	-	-
Winter Maintenance	73,674.06	31,094.88
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	39,381.28	18,278.86
Engineering Services	614.89	923.79
Field Supervision	15,743.94	-
Roadway Inspection	-	-
Emergency Response	1,273.38	283.23
BCRC Projects	\$ 317,547.72	\$ 15,531.92
Sub-Total of Maint. Expenditures	<b>547,765.04</b>	<b>163,079.52</b>
2019 Original Budget	<b>324,923.00</b>	<b>160,415.00</b>
Budget vs. Actual Costs	\$ (222,842.04)	\$ (2,664.52)

### 2019 LOCAL CONSTRUCTION

Project #	Road Name	Description	Total Costs

**TOTAL 2019 LOCAL CONSTRUCTION COSTS**

**\$0.00**

### 2019 PRIMARY CONSTRUCTION

Project #	Road Name	Description	Total Costs
114100	Garfield Road	Reconstruction	\$1,026,554.60

**TOTAL 2019 PRIMARY PROJECT COSTS**

**\$1,026,554.60**

## 2019 LOCAL BRIDGE STRUCTURES

Project #	Description	Total Costs
019023	Countywide Bridge Inspections >20'	\$14,079.33
019024	Bridge Load Ratings	\$3,717.67
019118	Stevenson Road Bridge Head Wall Repair	\$7,501.33

**TOTAL 2019 LOCAL BRIDGE STRUCTURES COSTS      \$25,298.33**

## 2019 PRIMARY BRIDGE STRUCTURES

Project #	Description	Total Costs
119042	Countywide Bridge Inspections >20'	\$14,403.30
119043	Bridge Load Ratings	\$1,672.95
119081	Underwater Bridge Inspections	\$7,088.25

**TOTAL 2019 PRIMARY BRIDGE STRUCTURES COSTS      \$23,164.50**

## 2019 PRIMARY HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
113015	Old Kawkawlin	M-13	State Park	Reconstruction of 2 Lane Road	\$794,982.87
115012	Farley	M-138	Cass	HMA, Cold Mill and Crush & Shape	\$40,612.42
116004	State Park	Entrance	Wilder	Design Rehabilitation of Road	\$47,214.16
117034	Midland	US-10	Garfield	Survey and Design	\$343,219.93
117037	Garfield	Seidlers	River	Crush & Shape Existing HMA	\$53.11
118030	Chip	Mackinaw	Old Beaver	Crush & Shape	\$726.19
118031	Garfield	Hotchkiss	US-10	Cold Mill & Repave with HMA	\$35,461.94
118034	Salzburg	Garfield	11 Mile	Crush & Shape	\$15,604.53
118038	Wheeler	M-247	Patterson	Survey and Design	\$1,121,263.83
118043	Wheeler	M-247	State	Survey and Design	\$5,240.73
118054	Garfield	US-10	Midland	Widening into 3 Lanes	\$113,905.25
119000	Mackinaw	Wheeler	Beaver	Cold Mill & Repave with HMA	\$274,567.08
119008	Wheeler	7 Mile	Rockwell	Cold Mill & Repave with HMA	\$811,839.92
119009	Flajole	Salzburg	Fisher	Reconstruction of Road	\$1,462,611.38
119010	Salzburg	Rockwell	Flajole	Mill & Fill	\$42,148.86
119011	Salzburg	Flajole	Carter	Mill & Fill, Crush & Shape	\$42,601.19
119034	11 Mile	Bentley	M-61	Crush & Shape & Repave with HMA	\$1,264,213.08
119035	Bentley	Standish	11 Mile	Crush & Shape & Repave with HMA	\$1,766.74
119038	Old Kawkawlin	2 Mile	State Park	Reconstruction of 2 Lane Road	\$120,527.33
119040	Mackinaw	Schmidt	River	Place HMA	\$41,876.53
119072	Zimmer	Bangor	Patterson	Crush & Shape	\$67,284.26
119084	Midland	7 Mile	Mackinaw	Mill existing HMA	\$395,513.11
119089	Pinconning	9 Mile	11 Mile	Geotechnical Investigation	\$8,656.85
119090	Garfield	Townline 16	Pinconning	Geotechnical Investigation	\$8,656.85
120004	German	M-15	Bullock	HMA, Cold Mill and Crush & Shape	\$10,530.07
120005	Mackinaw	Townline 16	Cody Estey	Reconstruct, Crush & Shape	\$12,076.75
120010	Old Kawkawlin	M-13	Lauria	Remove Existing Intersection	\$3,179.93

**TOTAL 2019 PRIMARY HEAVY MAINT. COSTS**

**\$7,086,334.89**

## 2019 LOCAL HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
018017	Jones	Hampton	Arms	Overlay Existing HMA	\$568.26
019000	Amelith	M-84	3 Mile	Place HMA	\$93,577.59
019004	Rogers	Raymond	Bis	Place HMA	\$213.68
019005	Lagoon Beach	State Park	River	Place HMA	\$65,335.19
019006	River	Lagoon Beach	End	Place HMA	\$50,371.28
019009	Seidlers	11 Mile	Garfield	Overlay with HMA	\$97,060.27
019012	Powell	Ridge	M-25	Cold Mill and Pave HMA	\$89,285.81
019020	Borton	Knight	Finn	Overlay with HMA	\$100,713.10
019021	Jones	Hampton	Arms	Wedge and Overlay with HMA	\$51,520.33
019022	Bay Mid Line	Beaver	Townline 14	Wedge and Overlay with HMA	\$49,514.27
019039	Blake	Kara	Ryan	Replace Failed Concrete Headwall	\$7,976.22
019042	Schumann	Old Kawkawlin	M-247	Crush & Shape, Place Aggregate	\$14,176.04
019043	Beechwood	Patterson	End	Crush & Shape, Place Aggregate	\$6,868.14
019044	Christiana	Patterson	Northview	Crush & Shape, Place Aggregate	\$5,380.12
019045	Oakridge	Christiana	End	Crush & Shape, Place Aggregate	\$5,370.82
019046	Northview	Christiana	End	Crush & Shape, Place Aggregate	\$1,888.74
019050	North Union	Garfield	11 Mile	Crush & Shape, Place Aggregate	\$32,640.71
019052	Neuman	9 Mile	Garfield	Install Cross Culvert	\$1,979.87
019063	Briggs	Kinney	North	Place Aggregate	\$17,590.99
019065	8 Mile	Midland	End	Place Aggregate	\$17,971.69
019066	North Union	Fraser	7 Mile	Place Aggregate	\$93,808.28
019073	North Union	7 Mile	Fraser	Install Catch Basin	\$10,566.36
019085	Erickson	Tower Beach	End	Place Aggregate	\$62,274.35
019086	Kitchen	Tower Beach	End	Place Aggregate	\$8,306.88
019087	Tower Beach	Kitchen	End	Place Aggregate	\$8,369.89
019098	Rail Trail	Wilder	Smith	Crush & Shape, Place Aggregate	\$460,558.68
019100	John Solinski	Lincoln	End	Crush & Shape, Place Aggregate	\$15,876.54
019104	Rail Trail	M-25	Youngs Ditch	Crush & Shape, Place Aggregate	\$16,506.25
019105	Rail Trail	Lincoln	Trumbull	Crush & Shape, Place Aggregate	\$7,095.02
019117	Center	Cotter	Warner	Crush & Shape, Place Aggregate	\$38,963.93
019120	Chip	8 Mile	9 Mile	Crush & Shape, Place Aggregate	\$61,584.25
019133	Kitchen	Carter	Flajole	Place Aggregate	\$20,794.12
019134	Flajole	Anderson	Linwood	Place Aggregate	\$20,583.23
019135	Townline 16	Garfield	9 Mile	Place Aggregate	\$17,907.54
019136	Grim	8 Mile	9 Mile	Place Aggregate	\$20,826.74
019137	Grim	Garfield	11 Mile	Place Aggregate	\$20,890.26
019138	Saganing	Bay Gladwin Line	Flajole	Place Aggregate	\$7,143.54
019139	Saunders	M-61	End	Place Aggregate	\$14,937.05
019140	Bentley Ball Park			Place Aggregate	\$2,211.73
019142	Hodder	Fraser	End	Place Aggregate	\$6,900.00
019147	Saunders	Brown	Stevenson	Install Culvert	\$4,099.17
019148	Pinconning	Bay Gladwin Line	Flajole	Place Aggregate	\$20,924.22
019149	Mount Forest	Garfield	9 Mile	Place Aggregate	\$10,780.76
019150	Gilbert	Mount Forest	End	Place Aggregate	\$4,037.80
019151	Neuman	Garfield	9 Mile	Place Aggregate	\$11,578.31
019154	Bay Valley	Hotchkiss	End	Cold Mill and Pave HMA	\$43,368.01
019155	Old Hickory	Hotchkiss	Bay Valley	Cold Mill and Pave HMA	\$43,368.03
019156	Maple Ridge	Old Hickory	Bay Valley	Cold Mill and Pave HMA	\$43,368.05
019165	Arms	Boutell	Knight	Place Aggregate	\$27,432.49

**TOTAL 2019 LOCAL HEAVY MAINT. COSTS**

**\$1,835,064.60**

## 2019 PRIMARY CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
119001	Linwood	M-13	Linwood Beach	Single Seal	\$26,824.64
119003	Trumbull	Cass	Youngs Ditch	Single Seal	\$17,837.66
119007	Linwood	Garfield	7 Mile	Single Seal	\$59,596.36
119024	2 Mile	Fisher	Hotchkiss	Single Seal	\$48,964.42
119025	3 Mile	North Union	Midland	Single Seal	\$10,555.91
119026	Carter	Hotchkiss	Salzburg	Single Seal	\$20,507.19
119027	Erickson	9 Mile	8 Mile	Single Seal	\$17,679.76
119028	Garfield	River	Linwood	Single Seal	\$48,890.65
119029	Hotchkiss	M-84	Euclid	Single Seal	\$13,092.47
119030	Pinconning	7 Mile	8 Mile	Single Seal	\$20,486.37
119031	Prevo	7 Mile	M-13	Single Seal	\$39,645.31
119032	Wheeler	Monitor	M-247	Single Seal	\$27,616.20
119033	Youngs Ditch	Knight	Farley	Single Seal	\$32,981.83
119070	Killarney Beach	M-247	Athlone	Double Seal	\$266,228.51

**TOTAL 2019 PRIMARY CHIP SEAL COSTS**

**\$650,907.28**

## 2019 LOCAL CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
019010	4 Mile	Beaver	End	Double Seal	\$41,647.90
019011	Jose	4 Mile	M-13	Double Seal	\$25,318.31
019056	Wetters	7 Mile	End	Single Seal	\$9,430.54
019057	Boutell	7 Mile	End	Single Seal	\$9,650.39
019058	River	Mackinaw	River	Single Seal	\$10,504.19
019059	Finn	M-138	German	Single Seal	\$36,767.11
019060	Burns	Russell	German	Single Seal	\$16,323.69
019061	Russell	Nolet	Bowker	Single Seal	\$13,685.78
019062	German	Nolet	Bowker	Single Seal	\$10,621.44
019068	Fraser	Freeland	Amelith	Single Seal	\$16,001.24
019070	Old Bridge	End	3 Mile	Single Seal	\$8,093.01
019072	Frankenlust	Mackinaw	Delta	Single Seal	\$31,268.02
019074	Ridge	Knight	Farley	Single Seal	\$30,151.22
019075	Cotter	Cass	Warner	Single Seal	\$35,814.91
019079	Knodt	Callahan	End	Single Seal	\$7,189.11
019080	Kitchen	M-13	Fraser	Single Seal	\$24,875.31
019081	8 Mile	Kitchen	Newberg	Single Seal	\$20,539.27
019082	Tower Beach	Coggins	Townline 16	Single Seal	\$24,347.18
019083	Oak	Newberg	End	Single Seal	\$6,493.72
019084	Coggins	7 Mile	8 Mile	Single Seal	\$14,619.07
019099	SE Boutell	Munger	Russell	Single Seal	\$15,638.77
019101	Meilan	German	Youngs Ditch	Single Seal	\$31,747.58
019102	Cnudde	Cass	End	Single Seal	\$4,046.15
019103	Jones	German	Youngs Ditch	Single Seal	\$29,809.58
019107	Cottage Grove	11 Mile	Garfield	Single Seal	\$16,418.81
019108	Cottage Grove	Garfield	End	Single Seal	\$6,899.04
019109	Flajole	Parish	Cottage Grove	Single Seal	\$15,332.98
019110	Seidlers	Carter	Flajole	Single Seal	\$16,905.99
019113	Carter	Erickson	Newberg	Single Seal	\$15,088.40
019114	8 Mile	Newberg	Townline 16	Single Seal	\$16,432.94
019122	Wilder	8 Mile	9 Mile	Single Seal	\$16,010.74
019123	8 Mile	US-10	Salzburg	Single Seal	\$12,739.11
019125	Wirbel	Maloney	End	Double Seal	\$21,411.61
019126	Lapan	Shore	End	Double Seal	\$40,074.83
019127	Cody Estey	Shore	End	Single Seal	\$19,521.15
019128	Bay Shore	Cody Estey	End	Single Seal	\$2,722.47

**TOTAL 2019 LOCAL CHIP SEAL COSTS**

**\$674,141.56**