

BAY COUNTY ROAD COMMISSION

2018

One Hundred and Nineteenth

ANNUAL REPORT



Mackinaw Road Reconstruction



Chip & Seal On Beaver Road



Take Your Kids To Work Day



US-10 Concrete Work

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Engineer-Manager Report

Attached is the 119th 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 2018, as well as, revenues and expenditures as they apply to the 2018 fiscal year. Please see Exhibit A on Page 2 of this report for specific accounting information.

Operationally, the BCRC was able to maintain approximately the same number of personnel, both field and administrative staff, as we did in 2017. 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, increased significantly, due to State legislation passed in mid-2016. MTF revenue received increased by \$1.01 million or 9.8%. Even though the new revenues from the past few years is much-needed, our Primary road conditions continued to deteriorate overall. After 12 years of minimal increases in MTF funding (2005 through 2016), the BCRC now finds itself trying desperately to "catch-up". Many of our Primary roads received minimal to no significant improvements during this 12-year timeframe. Thus, our poor to fair rated road mileage continues to increase. Even with the new revenue, it will take at least a decade to get the Primary Road system back to where it was 12 years ago, let alone being able to improve it. Equipment replacement remained on an "as-needed" basis, with the BCRC replacing equipment before it becomes a maintenance liability.

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 from the Michigan Department of Transportation (MDOT). These complimentary remarks are also regularly heard during Board meetings from many of the Township officials. Our commitment to serving Bay County's motoring public remains strong.

During 2018, in-house staff completed design and construction engineering for several road projects. Further, our crews continue to complete road reconstruction, rehabilitation and drainage improvement projects throughout Bay County. They completed these projects timely and in an efficient manner, 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 resulted in substantial savings to the Bay County Road Commission. These practices will continue in 2019 and future years.

We enter 2019 with a substantial list of project needs, but confidently anticipate the legislation passed in mid-2016 will deliver the revenue promised through 2021. With unfunded road and bridge needs within Bay County still well over \$100,000,000, the new revenue will allow the BCRC to realize a reduction in road mileage and bridges that fall into the fair to poor condition rating categories. As stated above, this will be a slow process and we will continue to struggle to maintain our roads and bridges. We continuously look for ways to reduce costs, identify and secure additional road and bridge funding through grant opportunities 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 19, 2019

EXHIBIT A

Bay County Residents: 103,923
 Road Commission Employees: 53
 Commissioners: 3

Townships served: 14

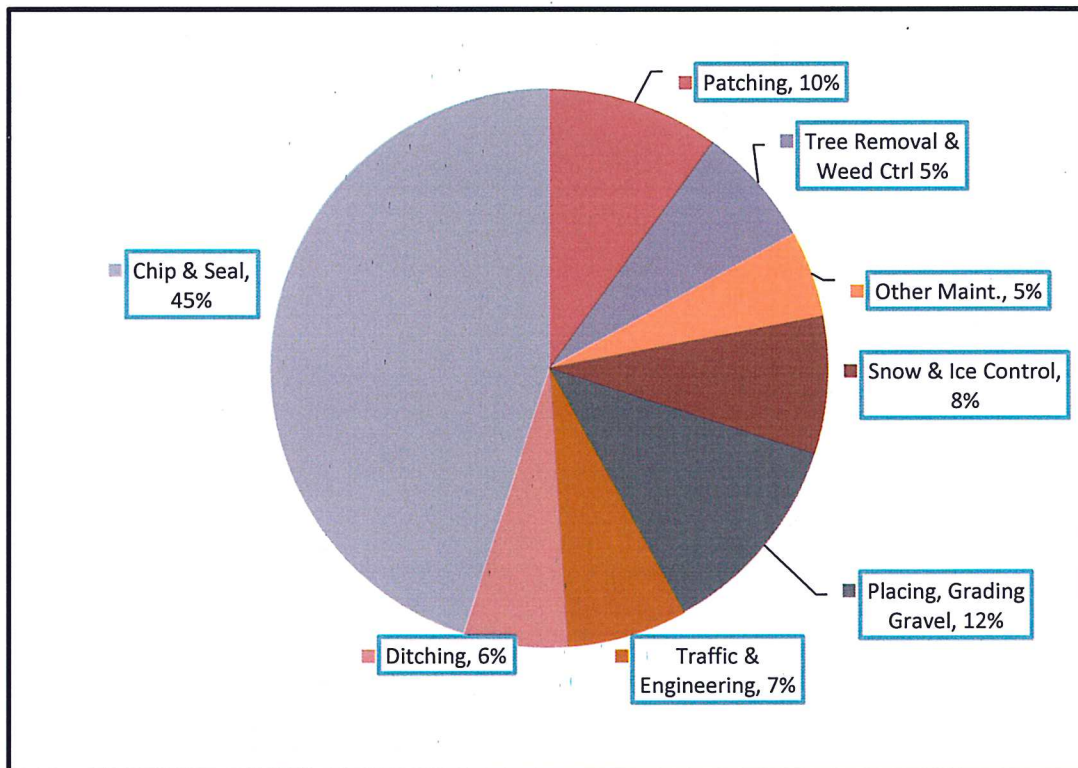
Bangor	Kawkawlin
Beaver	Merritt
Frankenlust	Monitor
Fraser	Mt. Forest
Garfield	Pinconning
Gibson	Portsmouth
Hampton	Williams

Total Revenue	\$18,408,944
MI Transportation Fund (MTF)	\$11,295,063
Federal Revenue	\$1,081,633
State Trunkline/Other	\$1,411,458
Township Contributions	\$1,476,400
Miles of 2018 Hvy Maint. Projects	42.47
Miles of Chip/Seal Projects	86.96
Building Better Local Road Used	\$260,000
Primary Heavy Maint. Projects	\$5,813,065
Local Heavy Maint. Projects	\$555,795
Bridge Inspections	\$31,697
Tons of Salt Used	8,816

Expense Categories for Local Road Maintenance:

	<u>% of Total</u>	<u>Amount for 2018</u>
Patching	10%	\$298,971
Tree Removal & Weed Control	7%	213,563
Other Maint.	5%	141,135
Snow & Ice Control (10% in 2017)	8%	233,997
Placing, Grading Gravel	12%	335,959
Traffic & Engineering	7%	191,427
Ditching	6%	180,258
Chip & Seal (36% in 2017)	<u>45%</u>	<u>1,319,838</u>
Total	100%	\$2,915,148

Total Miles of Road	1,035
Miles of Primary Road	369
Miles of Local Road	666
Miles of Paved Road	891
Bridges	77



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 2018 MTF equaled \$11.4 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



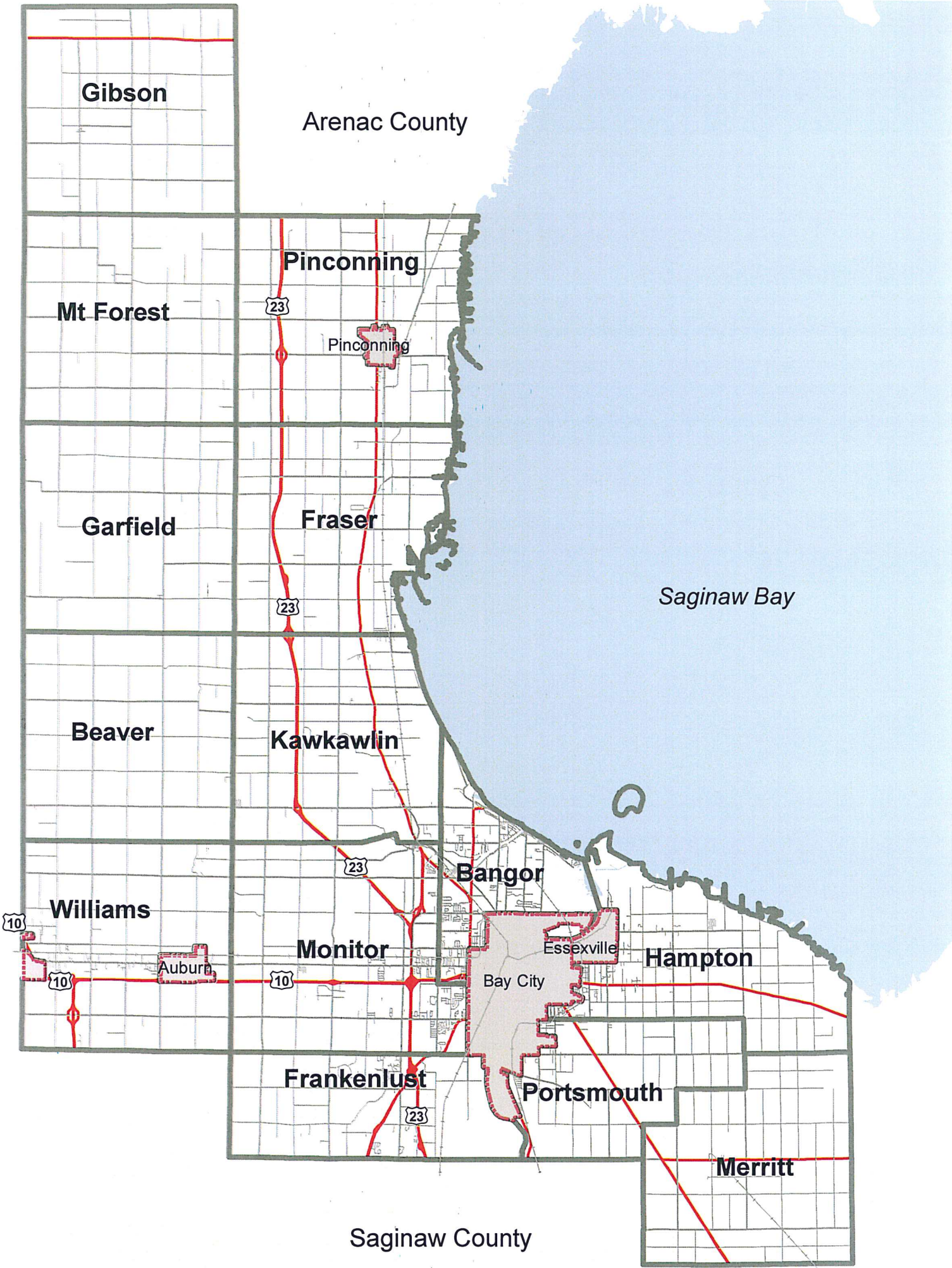
MICHAEL G. RIVARD
Vice-Chairman

ELECTED TERM
2017- 2022

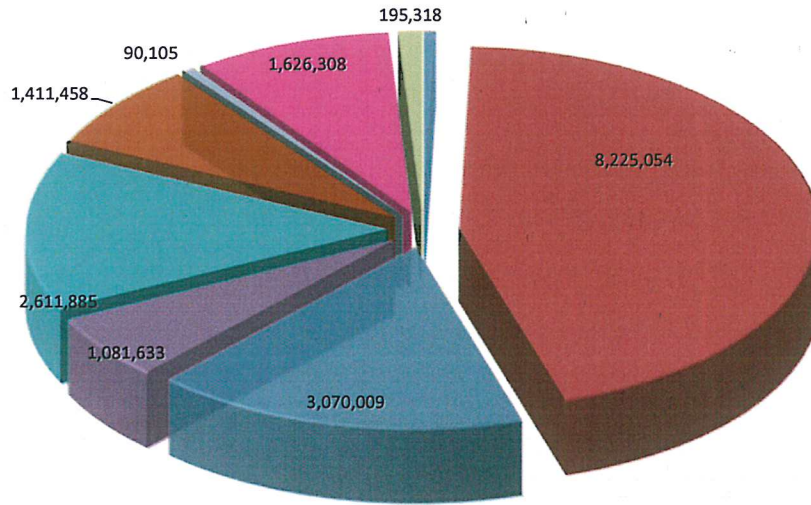


WILLIAM E. SCHUMACHER
Commissioner

ELECTED TERM
2019 - 2024

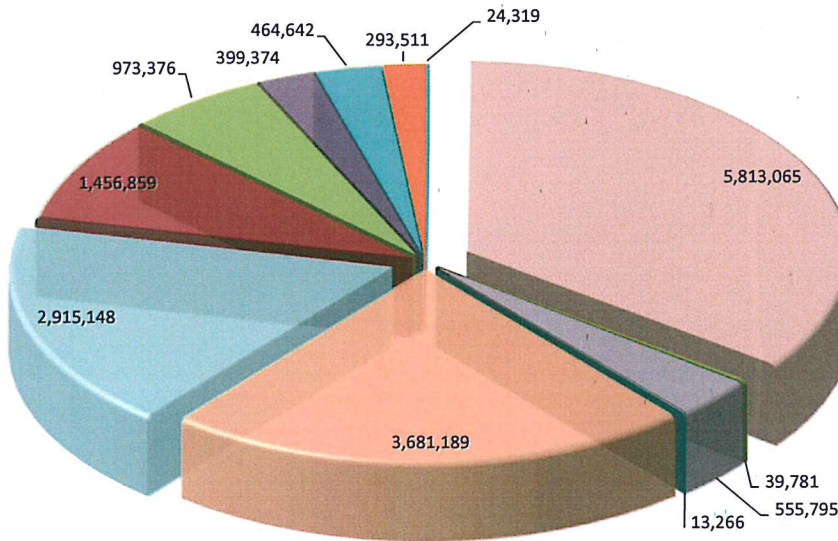


REVENUES



- INTEREST EARNED- \$ 97,174 0.5%
- MTF PRIMARY- \$ 8,225,054 44.7%
- MTF LOCAL- \$ 3,070,009 16.7%
- STATE & FED. GRANTS- \$ 1,081,633 5.9%
- OTHER STATE FD - \$ 2,611,885 14.2%
- STATE TRUNKLINES- \$ 1,411,458 7.7%
- GAIN ON DISPOSAL- \$ 90,105 0.5%
- LOCALLY RAISED FUNDS- \$ 1,626,308 8.8%
- PERMITS, ROYALTIES, MISC.- \$ 195,318 1.0%

EXPENSES



- CONSTRUCTION- \$ 24,319 0.1%
- HEAVY MAINT. PRIMARY - \$ 5,813,065 35.0%
- BRIDGES PRIMARY - \$ 39,781 0.2%
- HEAVY MAINT. LOCAL- \$ 555,795 3.3%
- BRIDGES LOCAL - \$ 13,266 0.1%
- ROUTINE MAINT. PRIMARY - \$ 3,681,189 22.1%
- ROUTINE MAINT. LOCAL- \$ 2,915,148 17.5%
- STATE TRUNKLINE MAINT. - \$ 1,456,859 8.8%
- ADMINISTRATION - \$ 973,376 5.9%
- OTHER - \$ 399,374 2.4%
- CAPITAL OUTLAY-NET - \$ 464,642 2.8%
- EQUIPMENT EXPENSE- \$ 293,511 1.8%

**BAY COUNTY ROAD COMMISSION
COMBINED BALANCE SHEET
ALL FUND TYPES AND ACCOUNT GROUPS
DECEMBER 31, 2018**

General
Operating

ASSETS

Cash and Cash Equivalents-	
On Deposit with Banks	\$ 66,698
On Deposit with County Treasurer	5,356,133
State Motor Transportation Funds	1,597,425
State Trunkline Maintenance	100,571
State Transportation Dept.-Other	745,189
Township Road Agreements	116,234
Due from County General Fund	-
Accounts Receivable	142,911
Inventories - Road Materials	651,307
- Equipment Parts and Materials	212,587
Prepaid Expenses	93,744
Interest Receivable	-
Deferred Federal Aid	36,097
Fixed Assets Net of Accumulated Depreciation	-
Amount to be Provided for Retirement of General Long-Term Debt	-
 Total Assets	 <u><u>\$ 9,118,896</u></u>

LIABILITIES AND FUND EQUITY

Liabilities

Accounts Payable	527,588
Notes Payable - Short Term	-
Accrued Liabilities	71,447
Deferred Revenue	-
Advances from State	364,596
Deferred Revenue - Township Road Agreements:	
Accrued Sick Leave & Vacation	-
Total Liabilities	963,631

Fund Equity:

Investment in General Fixed Assets	-
Fund Balance:	-
Primary	4,005,367
Local	2,325,675
County Road	1,824,223
Total Fund Balances	8,155,265

Total Liabilities and Fund Equity	<u><u>\$ 9,118,896</u></u>
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Account Groups		Total (Memo Only)
Fixed Assets	Long-Term Debt	December 31, 2018
\$ -	\$ -	\$ 66,698
-	-	5,356,133
-	-	1,597,425
-	-	100,571
-	-	745,189
-	-	116,234
-	-	-
-	-	142,911
-	-	651,307
-	-	212,587
-	-	93,744
-	-	-
-	-	36,097
3,000,227	-	3,000,227
-	977,985	977,985
-	-	-
<u>\$ 3,000,227</u>	<u>\$ 977,985</u>	<u>\$ 13,097,108</u>
\$ -	\$ -	\$ 527,588
-	-	-
-	-	71,447
-	-	-
-	-	364,596
-	-	-
-	977,985	977,985
-	977,985	1,941,616
-	-	-
3,000,227	-	3,000,227
-	-	-
-	-	4,005,367
-	-	2,325,675
-	-	1,824,223
-	-	8,155,265
-	-	-
<u>\$ 3,000,227</u>	<u>\$ 977,985</u>	<u>\$ 13,097,108</u>

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2018

STATEMENT OF REVENUES & EXPENSES BY FUND

<u>DESCRIPTION</u>	Primary Road Fund	Local Road Fund	Road Comm. Fund	Total
<u>Revenue</u>				
Michigan Transportation Fund	\$ 8,225,054	\$ 3,070,009	\$ -	\$ 11,295,063
State Other Funding	1,486,441	1,125,444	-	2,611,885
Federal Revenue	1,081,633	-	-	1,081,633
County Raised Revenue	-	1,626,308	-	1,626,308
State Trunkline	-	-	1,411,458	1,411,458
Gain on Disposal of Equipment	-	-	90,105	90,105
Interest Earned	53,801	5,118	38,255	97,174
Miscellaneous Revenue	21,763	6,377	65,973	94,113
Other	-	489	100,716	101,205
Total Revenue	<u>\$ 10,868,692</u>	<u>\$ 5,833,745</u>	<u>\$ 1,706,507</u>	<u>\$ 18,408,944</u>
<u>Expenditures</u>				
Construction	\$ 24,319	\$ -	\$ -	\$ 24,319
Heavy Maintenance	5,813,065	555,795	-	6,368,860
Heavy Maint. Structures	39,781	13,266	-	53,047
Routine Maintenance	3,681,189	2,915,148	-	6,596,337
Administrative	713,347	260,029	-	973,376
State Trunkline	-	-	1,456,859	1,456,859
Equipment Account	122,079	99,690	71,742	293,511
Other	-	-	399,374	399,374
Total Operating Expenditures	<u>\$ 10,393,780</u>	<u>\$ 3,843,928</u>	<u>\$ 1,927,975</u>	<u>\$ 16,165,683</u>
<u>Non-Operating Expenditures</u>				
Net Capital Outlay	-	-	464,642	464,642
Debt Principal Payment	-	-	-	-
Interest Expense	-	-	-	-
Total Expenditures	<u>\$ 10,393,780</u>	<u>\$ 3,843,928</u>	<u>\$ 2,392,617</u>	<u>\$ 16,630,325</u>
Increase (Decrease) In Available Operating Fund	474,912	1,989,817	(686,110)	\$ 1,778,619
Beginning Fund Balance 01/01/18	\$ 3,530,456	\$ 335,858	\$ 2,510,332	\$ 6,376,646
Adjustment to Fund Balance	-	-	-	-
Intra-Fund Transfer	-	-	-	-
Ending Balance 12/31/18	<u>\$ 4,005,368</u>	<u>\$ 2,325,675</u>	<u>\$ 1,824,222</u>	<u>\$ 8,155,265</u>

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2018

STATEMENT OF REVENUES

Calendar Years 2018-2015

	2018	2017	2016	2015
<u>Michigan Transportation Fund</u>				
County Primary Road Fund	\$8,225,054	\$7,730,422	\$5,913,713	\$5,794,203
County Local Road Fund	3,070,009	2,870,144	2,193,735	2,140,292
Total MTF	11,295,063	10,600,566	8,107,448	7,934,495
<u>State Grants</u>				
Other State Funding PA 252	2,611,885	-	622,491	1,033,088
State Bridge Money and Tire Grant	-	415,476	1,087,567	-
Total State Grants	2,611,885	415,476	1,710,058	1,033,088
<u>Federal Aid Revenue</u>				
Surface Tran. Program (STP)	1,081,633	628,603	136,789	2,134,645
Total Federal Aid Revenue	1,081,633	628,603	136,789	2,134,645
<u>County Raised Revenue</u>				
City & Village Contributions	-	-	-	-
Township Contributions	1,476,400	1,295,089	1,873,380	2,105,451
Other Contributions	149,908	122,386	210,961	-
Total County Raised Revenue	1,626,308	1,417,475	2,084,341	2,105,451
Trunkline Maintenance	1,347,279	1,536,382	1,688,708	1,615,371
Trunkline Non-Maintenance	64,179	411,136	190,804	2,050
<u>Miscellaneous Revenue</u>				
Permit Fees	94,113	67,434	65,215	57,866
Salvage Sales	7,708	3,137	2,967	3,004
Interest Earned	97,174	67,370	49,865	(6,543)
Royalty Revenue	488	10,785	9,684	59,845
Sundry Refunds	534	557	7,378	7,845
Land & Building Sales	-	-	-	-
Gain on Disposal of Equipment	90,105	1,000	33,709	5,000
Other Revenues	92,475	126,807	141,532	-
Total Miscellaneous Revenue	382,597	277,090	310,350	127,017
Total Revenue	\$18,408,944	\$15,286,728	\$14,228,498	\$14,952,117

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2018

Statement of Expenditures

Calendar Years 2018-2015

<u>Operating Expenditures</u>	2018	2017	2016	2015
<u>Construction</u>				
Primary Road System	\$24,319	\$930	\$176,033	\$2,206,860
Local Road System	-	-	-	-
Total Construction	24,319	930	176,033	2,206,860
<u>Heavy Maintenance</u>				
Primary Road System	5,813,065	3,272,673	1,207,375	1,832,692
Primary Bridge & Structures	39,781	13,003	1,281,094	394,164
Total Primary Heavy Maintenance	5,852,846	3,285,676	2,488,469	2,226,856
Local Road System	555,795	1,078,541	1,314,860	1,606,138
Local Bridge & Structures	13,266	18,694	76,897	14,035
Total Local Heavy Maintenance	569,061	1,097,235	1,391,757	1,620,173
Total Heavy Maintenance	6,421,907	4,382,911	3,880,226	3,847,029
<u>Routine Maintenance</u>				
Primary Road System	2,542,418	2,676,968	2,629,359	1,242,184
Snow Removal and Ice Control	674,880	556,384	782,847	681,698
Traffic Control	463,891	472,575	403,299	346,174
Total Primary Maintenance	3,681,189	3,705,927	3,815,505	2,270,056
Local Road System	2,501,336	2,129,222	2,786,502	2,154,517
Snow Removal and Ice Control	233,997	246,334	417,116	471,643
Traffic Control	179,815	152,491	170,943	111,375
Total Local Maintenance	2,915,148	2,528,047	3,374,561	2,737,535
Total Routine Maintenance	6,596,337	6,233,974	7,190,066	5,007,591
Administrative Expense	973,376	1,060,425	1,137,432	1,246,043
State Trunkline Maintenance	1,392,680	1,534,103	1,506,614	1,646,998
State Trunkline Non-Maintenance	64,179	411,115	190,859	2,059

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2018

Statement of Expenditures

Calendar Years 2018-2015

	2018	2017	2016	2015
<u>Equipment Expense</u>				
*Direct Expense	1,151,939	1,074,058	1,017,268	968,540
*Indirect Expense	828,977	790,172	876,413	879,302
*Operating Expense	362,212	330,264	254,985	279,165
Total Equipment Expense	2,343,128	2,194,494	2,148,666	2,127,007
*Credit to Equipment Expense	(2,049,617)	(2,233,399)	(2,450,008)	(2,178,618)
Net Equipment Expense	293,511	(38,905)	(301,342)	(51,611)
Total Operating Expenditures	\$ 15,766,309	\$ 13,584,553	\$ 13,779,888	\$ 13,904,969
<u>Non-Operating Expenditures</u>				
<u>Capital Outlay</u>				
Land	\$ 7,735	\$ -	\$ -	\$ -
Buildings	125,189	67,639	49,623	-
Road Equipment	979,864	728,028	570,328	377,370
Shop, Engineers, & Office Equipment	7,996	-	12,936	-
Yards & Storage	-	15,438	7,260	-
Equipment Retirement	-	-	(1,999)	-
Depreciation and Depletion	(656,142)	(563,650)	(463,893)	(530,002)
Net Capital Outlay	464,642	247,455	174,255	(152,632)
Debt Principal Payment	0	0	57,524	55,932
Other Expense	399,374	602,805	293,923	338,903
Interest Expense	0	0	1,637	3,229
Total Expenditures	\$ 16,630,325	\$ 14,434,813	\$ 14,307,227	\$ 14,150,401

*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.

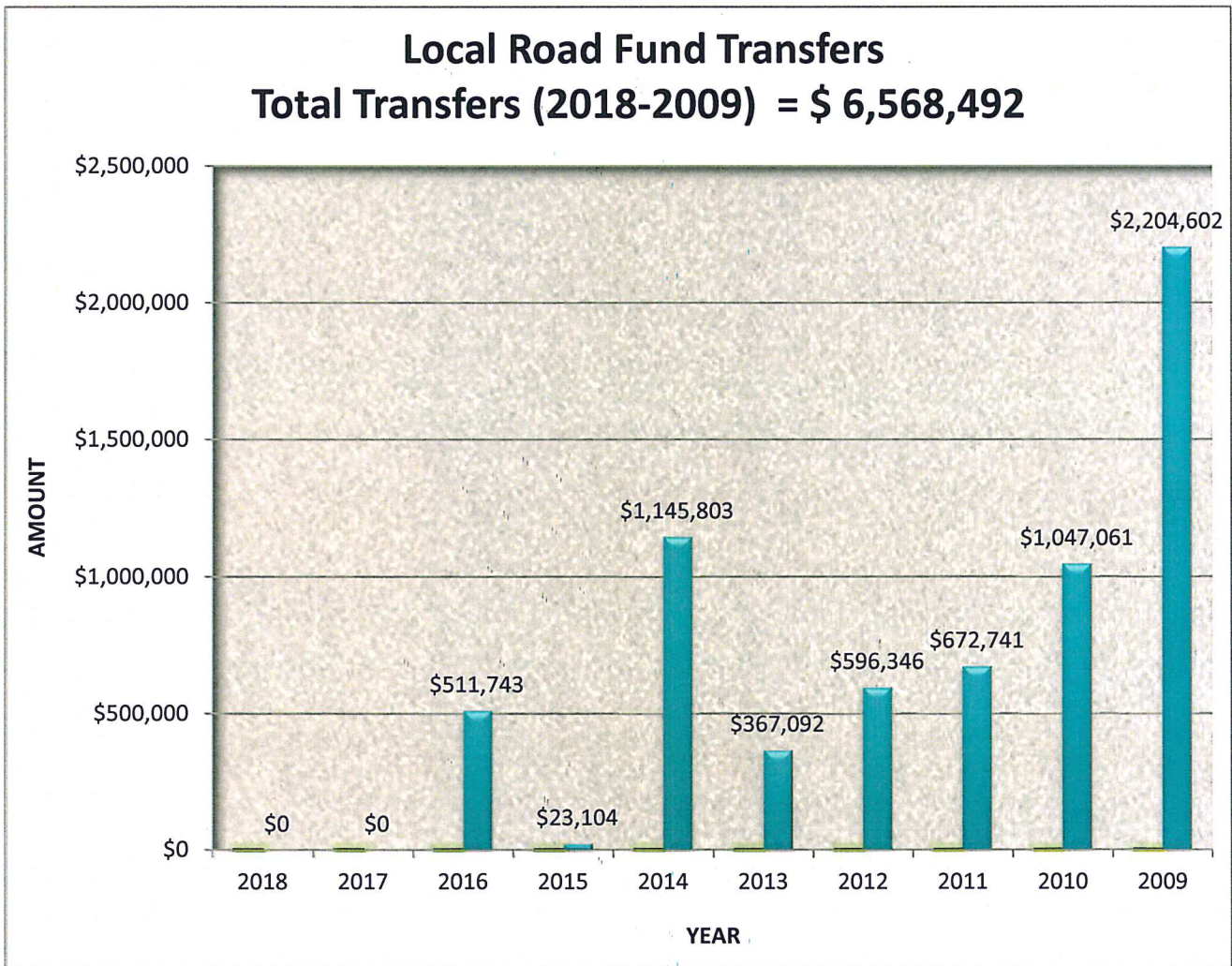
*Operating Expense-Gasoline, diesel, oil, grease, and anti-freeze.

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

STATEMENT OF CHANGES IN FUND BALANCE

Calendar Years 2018-2015

	2018	2017	2016	2015
Total Revenues	\$ 18,408,944	\$ 15,286,728	\$ 14,228,498	\$ 14,952,117
Total Expenditures	\$ 16,630,325	\$ 14,434,813	\$ 14,307,227	\$ 14,150,401
Excess of Revenue Over (Under) Expenditures	\$ 1,778,619	\$ 851,915	\$ (78,729)	\$ 801,716
Fund Equity - January 1	\$ 6,376,646	\$ 5,524,731	\$ 5,603,460	\$ 4,801,744
Adjustment	\$ -	\$ -	\$ -	\$ -
Fund Equity - December 31	\$ 8,155,265	\$ 6,376,646	\$ 5,524,731	\$ 5,603,460



BAY COUNTY ROAD COMMISSION

2018 - 2015

TOWNSHIP PAYMENTS

PAID CONTRIBUTIONS ON ROAD AGREEMENTS				
TOWNSHIP	2018	2017	2016	2015
BANGOR	3,053	20,487	9,665	44,141
BEAVER	139,751	51,426	186,393	188,628
FRANKENLUST	172,373	170,768	242,758	224,470
FRASER	199,926	199,464	190,553	214,584
GARFIELD	73,698	107,768	78,718	61,655
GIBSON	46,115	43,691	23,188	28,594
HAMPTON	61,138	7,300	92,573	46,473
KAWKAWLIN	139,954	340,428	241,977	464,086
MERRITT	51,459	61,263	121,402	79,525
MONITOR	61,247	35,189	42,858	18,803
MT. FOREST	41,806	39,990	5,524	29,479
PINCONNING	127,052	61,478	90,379	134,756
PORTSMOUTH	129,287	54,241	333,033	115,282
WILLIAMS	229,541	101,596	214,360	149,706
TOTALS	\$1,476,400	\$1,295,089	\$1,873,381	\$1,800,182

TOWNSHIP MAINTENANCE REPORT

MILEAGE: 369.28 665.58

PRIMARY LOCAL

Bangor Township		\$414,663.32	\$130,234.97
Beaver Township		\$213,141.82	\$126,620.75
Frankenlust Township		\$244,530.06	\$188,284.02
Fraser Township		\$317,484.62	\$304,387.54
Garfield Township		\$158,236.83	\$351,309.60
Gibson Township		\$105,423.11	\$155,338.48
Hampton Township		\$360,062.98	\$132,133.81
Kawkawlin Township		\$388,030.49	\$227,141.97
Merritt Township		\$153,679.06	\$157,550.70
Monitor Township		\$392,187.06	\$258,774.75
Mt. Forest Township		\$164,930.33	\$147,076.12
Pinconning Township		\$271,620.40	\$219,871.02
Portsmouth Township		\$199,968.40	\$264,170.20
Williams Township		\$297,231.09	\$252,254.12

Total Maintenance Expenditures	\$	3,681,189.57	2,915,148.05
2018 Original Budget	\$	3,943,235.00	2,396,679.00
Budget vs. Actual Costs	\$	262,045.43	(518,469.05)

TOWNSHIP MAINTENANCE REPORT

ALL TOWNSHIPS

PRIMARY LOCAL

MILEAGE: 369.28 665.58

DESCRIPTION OF WORK

Dust Control	\$0.00	\$88,663.95
Placing Gravel	\$3,491.48	\$31,726.46
Blading & Grading	\$2,896.12	\$215,568.14
Chip & Seal	\$0.00	\$5,658.35
AMZ Patching	\$33,418.96	\$82,006.86
Seal Blend	\$0.00	\$0.00
Surface Maintenance	\$510,848.86	\$216,964.34
Crack & Joint Sealing	\$2,524.08	\$0.00
Shoulder Maintenance	\$142,404.36	\$51,116.01
Curb & Gutter	\$7,072.06	\$0.00
Trees & Shrubs	\$82,326.67	\$181,637.37
Drainage & Backslope	\$83,224.97	\$116,913.29
Ditch Clean Out	\$114,098.64	\$63,345.22
Roadside Cleanup	\$80,611.99	\$11,111.59
Grass & Weed Control	\$208,854.21	\$31,925.30
Brush Cutting	\$16,852.71	\$48,863.24
Culvert / Underdrain Maintenance	\$40,863.35	\$5,478.48
Guard Rail & Post	\$36,861.23	\$14,101.98
Sweeping & Flushing	\$15,434.32	\$5,196.96
Winter Maintenance	\$674,880.71	\$233,997.02
Winter Maintenance Patrol	\$0.00	\$0.00
Bridge Structures	\$0.00	\$0.00
Traffic Signs	\$463,890.84	\$179,814.67
Engineering Services	\$19,572.75	\$4,054.08
Field Supervision	\$338,521.28	\$7,558.47
Roadway Inspection	\$5,675.31	\$1,788.65
Emergency Response	\$13,388.01	\$3,477.87
BCRC Projects	\$783,476.66	\$1,314,179.75
Sub-Total of Maint. Expenditures	3,681,189.57	2,915,148.05
2018 Original Budget	3,943,235.00	2,396,679.00
Budget vs. Actual Costs	262,045.43	(518,469.05)

TOWNSHIP MAINTENANCE REPORT

BANGOR TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	31.4	44.01

DESCRIPTION OF WORK

DESCRIPTION OF WORK		
Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	2,090.81	-
Chip & Seal	-	-
AMZ Patching	8,444.87	2,857.00
Seal Blend	-	-
Surface Maintenance	92,633.64	26,955.91
Crack & Joint Sealing	-	-
Shoulder Maintenance	6,596.55	813.87
Curb & Gutter	-	-
Trees & Shrubs	20,689.52	8,212.29
Cleaning Drainage Structures	9,149.99	41,595.97
Ditch Clean Out	4,179.71	-
Roadside Cleanup	4,022.58	571.43
Grass & Weed Control	12,142.13	-
Brush Cutting	2,664.67	1,418.65
Culvert / Underdrain Maintenance	7,395.61	-
Guard Rail & Post	-	682.44
Sweeping & Flushing	4,466.97	-
Winter Maintenance	101,294.85	26,421.16
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	69,513.66	10,470.68
Engineering Services	8,009.87	67.27
Field Supervision	31,500.79	-
Roadway Inspection	112.69	-
Emergency Response	1,338.81	-

BCRC Projects	\$ 28,415.60	\$ 10,168.30
Sub-Total of Maint. Expenditures	414,663.32	130,234.97
2018 Original Budget	571,496.00	216,367.00
Budget vs. Actual Costs	\$ 156,832.68	\$ 86,132.03

TOWNSHIP MAINTENANCE REPORT

BEAVER TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	24.18	44.81

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	-	520.44
Chip & Seal	-	5,658.35
AMZ Patching	8,052.69	-
Seal Blend	-	-
Surface Maintenance	50,636.63	12,483.48
Crack & Joint Sealing	-	-
Shoulder Maintenance	567.68	849.33
Curb & Gutter	-	-
Trees & Shrubs	9,508.64	8,677.92
Cleaning Drainage Structures	11,914.44	7,528.98
Ditch Clean Out	27,140.46	22,175.92
Roadside Cleanup	247.31	880.45
Grass & Weed Control	13,883.17	1,575.72
Brush Cutting	1,068.12	7,147.20
Culvert / Underdrain Maintenance	1,121.60	-
Guard Rail & Post	5,217.16	1,818.16
Sweeping & Flushing	-	-
Winter Maintenance	44,157.45	10,506.61
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	22,587.11	12,063.22
Engineering Services	234.89	-
Field Supervision	15,594.03	-
Roadway Inspection	-	-
Emergency Response	1,210.44	-
BCRC Projects	\$ -	\$ 34,734.97
Sub-Total of Maint. Expenditures	213,141.82	126,620.75
2018 Original Budget	236,041.00	145,932.00
Budget vs. Actual Costs	\$ 22,899.18	\$ 19,311.25

TOWNSHIP MAINTENANCE REPORT

FRANKENLUST TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 13.35 33.09

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	267.71	214.16
Blading & Grading	678.20	1,705.15
Chip & Seal	-	-
AMZ Patching	2,526.22	10,009.66
Seal Blend	-	-
Surface Maintenance	37,627.33	21,526.53
Crack & Joint Sealing	-	-
Shoulder Maintenance	16,139.55	21,898.33
Curb & Gutter	-	-
Trees & Shrubs	756.27	7,452.61
Cleaning Drainage Structures	1,092.67	2,598.57
Ditch Clean Out	5,758.27	1,530.99
Roadside Cleanup	24,464.55	4,120.07
Grass & Weed Control	13,182.31	1,220.56
Brush Cutting	3,225.67	2,490.43
Culvert / Underdrain Maintenance	5,500.88	-
Guard Rail & Post	2,815.86	-
Sweeping & Flushing	3,220.26	4,445.58
Winter Maintenance	51,385.25	11,111.76
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	19,992.06	18,355.86
Engineering Services	588.22	88.38
Field Supervision	37,867.31	1,475.85
Roadway Inspection	2,303.28	624.12
Emergency Response	1,122.41	-
BCRC Projects	\$ 14,015.78	\$ 77,415.41
Sub-Total of Maint. Expenditures	244,530.06	188,284.02
2018 Original Budget	210,456.00	130,813.00
Budget vs. Actual Costs	\$ (34,074.06)	\$ (57,471.02)

TOWNSHIP MAINTENANCE REPORT

FRASER TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	29.44	56.62

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 5,503.70
Placing Gravel	-	1,606.94
Blading & Grading	-	12,981.11
Chip & Seal	-	-
AMZ Patching	-	14,142.04
Seal Blend	-	-
Surface Maintenance	25,710.32	9,955.92
Crack & Joint Sealing	-	-
Shoulder Maintenance	10,256.49	1,195.40
Curb & Gutter	-	-
Trees & Shrubs	3,721.72	9,154.88
Cleaning Drainage Structures	5,511.79	9,075.19
Ditch Clean Out	2,627.35	4,112.84
Roadside Cleanup	129.19	510.38
Grass & Weed Control	12,663.61	2,431.68
Brush Cutting	3,061.75	1,961.00
Culvert / Underdrain Maintenance	2,679.28	-
Guard Rail & Post	3,421.18	969.62
Sweeping & Flushing	668.52	-
Winter Maintenance	34,057.26	17,403.31
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	29,497.12	13,997.93
Engineering Services	1,125.19	-
Field Supervision	23,171.26	472.86
Roadway Inspection	-	-
Emergency Response	464.80	445.05
BCRC Projects	\$ 158,717.79	\$ 198,467.69
Sub-Total of Maint. Expenditures	317,484.62	304,387.54
2018 Original Budget	263,690.00	184,084.00
Budget vs. Actual Costs	\$ (53,794.62)	\$ (120,303.54)

TOWNSHIP MAINTENANCE REPORT

GARFIELD TOWNSHIP

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

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 14,644.07
Placing Gravel	-	8,123.05
Blading & Grading	127.11	42,316.04
Chip & Seal	-	-
AMZ Patching	160.61	230.22
Seal Blend	-	-
Surface Maintenance	17,336.02	8,714.88
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,958.43	2,583.10
Curb & Gutter	-	-
Trees & Shrubs	2,319.83	48,258.77
Cleaning Drainage Structures	7,955.18	6,315.25
Ditch Clean Out	2,375.32	3,663.69
Roadside Cleanup	379.45	-
Grass & Weed Control	13,659.38	1,842.16
Brush Cutting	1,182.07	8,270.47
Culvert / Underdrain Maintenance	1,587.06	-
Guard Rail & Post	-	-
Sweeping & Flushing	282.47	-
Winter Maintenance	34,813.38	17,359.67
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	16,324.35	3,755.90
Engineering Services	203.86	227.91
Field Supervision	24,370.61	-
Roadway Inspection	561.60	-
Emergency Response	2,059.33	864.48
BCRC Projects	\$ 26,580.77	\$ 184,139.94
Sub-Total of Maint. Expenditures	158,236.83	351,309.60
2018 Original Budget	210,866.00	135,062.00
Budget vs. Actual Costs	\$ 52,629.17	\$ (216,247.60)

TOWNSHIP MAINTENANCE REPORT

GIBSON TOWNSHIP

PRIMARY LOCAL

MILEAGE: 16.97 46.64

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 17,617.39
Placing Gravel	-	10,757.00
Blading & Grading	-	42,797.66
Chip & Seal	-	-
AMZ Patching	-	-
Seal Blend	-	-
Surface Maintenance	22,212.15	8,297.82
Crack & Joint Sealing	-	-
Shoulder Maintenance	4,336.59	9,474.79
Curb & Gutter	-	-
Trees & Shrubs	4,662.17	26,894.95
Cleaning Drainage Structures	2,171.68	5,102.81
Ditch Clean Out	1,678.18	1,495.09
Roadside Cleanup	-	-
Grass & Weed Control	7,996.86	589.59
Brush Cutting	1,208.77	9,752.34
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	2,010.97	-
Sweeping & Flushing	531.99	-
Winter Maintenance	26,449.28	13,366.65
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	13,527.55	4,639.44
Engineering Services	926.86	638.21
Field Supervision	16,358.42	-
Roadway Inspection	-	-
Emergency Response	-	-

BCRC Projects	\$ 1,351.64	\$ 3,914.74
Sub-Total of Maint. Expenditures	105,423.11	155,338.48
2018 Original Budget	175,220.00	151,329.00
Budget vs. Actual Costs	\$ 69,796.89	\$ (4,009.48)

TOWNSHIP MAINTENANCE REPORT

HAMPTON TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	20.87	64.99

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	-	14,003.80
Chip & Seal	-	-
AMZ Patching	4,047.66	7,844.29
Seal Blend	-	-
Surface Maintenance	30,031.94	13,809.69
Crack & Joint Sealing	-	-
Shoulder Maintenance	9,427.93	262.33
Curb & Gutter	-	-
Trees & Shrubs	2,603.85	1,411.62
Cleaning Drainage Structures	1,396.78	222.31
Ditch Clean Out	-	-
Roadside Cleanup	21,796.75	1,639.58
Grass & Weed Control	12,058.44	349.04
Brush Cutting	270.19	476.42
Culvert / Underdrain Maintenance	644.92	-
Guard Rail & Post	2,112.98	-
Sweeping & Flushing	1,177.87	-
Winter Maintenance	47,637.73	5,182.80
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	35,413.16	13,988.20
Engineering Services	1,331.20	1,176.91
Field Supervision	32,825.60	545.98
Roadway Inspection	1,102.05	540.40
Emergency Response	-	-

BCRC Projects	\$ 156,183.93	\$ 70,680.44
Sub-Total of Maint. Expenditures	360,062.98	132,133.81
2018 Original Budget	235,831.00	259,700.00
Budget vs. Actual Costs	\$ (124,231.98)	\$ 127,566.19

TOWNSHIP MAINTENANCE REPORT

KAWKAWLIN TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 28.77 50.10

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 1,324.74
Placing Gravel	-	-
Blading & Grading	-	3,234.70
Chip & Seal	-	-
AMZ Patching	1,301.83	1,239.11
Seal Blend	-	-
Surface Maintenance	42,243.63	20,988.36
Crack & Joint Sealing	2,524.08	-
Shoulder Maintenance	28,588.99	1,679.33
Curb & Gutter	-	-
Trees & Shrubs	9,623.29	11,304.95
Cleaning Drainage Structures	2,947.75	816.42
Ditch Clean Out	10,667.88	2,613.62
Roadside Cleanup	516.76	582.51
Grass & Weed Control	15,789.58	3,279.92
Brush Cutting	1,460.27	564.54
Culvert / Underdrain Maintenance	7,263.26	-
Guard Rail & Post	449.26	8,183.25
Sweeping & Flushing	744.49	-
Winter Maintenance	59,680.04	13,517.98
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	40,053.58	15,740.05
Engineering Services	1,088.64	88.38
Field Supervision	15,047.01	464.80
Roadway Inspection	-	-
Emergency Response	200.16	445.05
BCRC Projects	\$ 147,839.99	\$ 141,074.26
Sub-Total of Maint. Expenditures	388,030.49	227,141.97
2018 Original Budget	287,497.00	164,195.00
Budget vs. Actual Costs	\$ (100,533.49)	\$ (62,946.97)

TOWNSHIP MAINTENANCE REPORT

MERRITT TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	17.44	56.49
DESCRIPTION OF WORK		
Dust Control	\$ -	\$ 2,192.73
Placing Gravel	-	2,024.42
Blading & Grading	-	12,200.34
Chip & Seal	-	-
AMZ Patching	5,353.10	24,676.14
Seal Blend	-	-
Surface Maintenance	16,248.16	15,437.19
Crack & Joint Sealing	-	-
Shoulder Maintenance	8,393.57	6,644.48
Curb & Gutter	-	-
Trees & Shrubs	728.16	697.49
Cleaning Drainage Structures	4,867.89	1,986.52
Ditch Clean Out	8,936.98	2,368.29
Roadside Cleanup	9,266.62	741.02
Grass & Weed Control	14,524.99	8,090.46
Brush Cutting	-	-
Culvert / Underdrain Maintenance	133.48	-
Guard Rail & Post	-	-
Sweeping & Flushing	-	-
Winter Maintenance	42,927.10	11,147.90
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	10,359.74	5,710.15
Engineering Services	636.38	-
Field Supervision	29,525.54	1,233.52
Roadway Inspection	1,312.55	353.94
Emergency Response	464.80	-
BCRC Projects	\$ -	\$ 62,046.11
Sub-Total of Maint. Expenditures	153,679.06	157,550.70
2018 Original Budget	186,520.00	182,566.00
Budget vs. Actual Costs	\$ 32,840.94	\$ 25,015.30

TOWNSHIP MAINTENANCE REPORT

MONITOR TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	53.83	59.04

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 2,210.63
Placing Gravel	1,885.63	-
Blading & Grading	-	7,134.00
Chip & Seal	-	-
AMZ Patching	-	2,130.20
Seal Blend	-	-
Surface Maintenance	62,215.44	18,296.70
Crack & Joint Sealing	-	-
Shoulder Maintenance	21,163.00	907.20
Curb & Gutter	7,072.06	-
Trees & Shrubs	7,752.46	21,448.00
Cleaning Drainage Structures	8,658.27	15,589.92
Ditch Clean Out	18,952.09	14,867.59
Roadside Cleanup	-	134.71
Grass & Weed Control	26,448.84	1,447.06
Brush Cutting	168.89	568.76
Culvert / Underdrain Maintenance	7,252.95	-
Guard Rail & Post	1,547.39	-
Sweeping & Flushing	726.57	682.34
Winter Maintenance	70,403.44	33,196.93
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	85,388.56	23,368.77
Engineering Services	667.26	549.73
Field Supervision	18,911.54	-
Roadway Inspection	-	-
Emergency Response	2,456.50	116.21
BCRC Projects	\$ 50,516.17	\$ 116,126.00
Sub-Total of Maint. Expenditures	392,187.06	258,774.75
2018 Original Budget	554,588.00	244,203.00
Budget vs. Actual Costs	\$ 162,400.94	\$ (14,571.75)

TOWNSHIP MAINTENANCE REPORT

MT. FOREST TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 27.14 41.55

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 27,918.03
Placing Gravel	246.81	5,088.22
Blading & Grading	-	44,880.13
Chip & Seal	-	-
AMZ Patching	259.50	470.94
Seal Blend	-	-
Surface Maintenance	22,856.20	2,943.98
Crack & Joint Sealing	-	-
Shoulder Maintenance	7,351.02	3,359.76
Curb & Gutter	-	-
Trees & Shrubs	1,762.20	9,906.53
Cleaning Drainage Structures	4,856.87	2,204.46
Ditch Clean Out	-	2,500.88
Roadside Cleanup	116.08	534.02
Grass & Weed Control	11,107.46	1,957.46
Brush Cutting	-	685.86
Culvert / Underdrain Maintenance	368.25	-
Guard Rail & Post	-	-
Sweeping & Flushing	251.07	69.04
Winter Maintenance	33,705.12	16,167.18
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	23,546.73	4,002.14
Engineering Services	861.03	304.12
Field Supervision	20,321.55	464.80
Roadway Inspection	-	-
Emergency Response	814.61	116.21
BCRC Projects	\$ 36,505.83	\$ 23,502.36
Sub-Total of Maint. Expenditures	164,930.33	147,076.12
2018 Original Budget	219,969.00	134,822.00
Budget vs. Actual Costs	\$ 55,038.67	\$ (12,254.12)

TOWNSHIP MAINTENANCE REPORT

PINCONNING TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 28.44 56.33

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 15,481.46
Placing Gravel	185.30	3,912.67
Blading & Grading	-	17,427.75
Chip & Seal	-	-
AMZ Patching	-	6,446.92
Seal Blend	-	-
Surface Maintenance	10,331.19	19,385.14
Crack & Joint Sealing	-	-
Shoulder Maintenance	6,970.86	1,022.74
Curb & Gutter	-	-
Trees & Shrubs	6,101.96	23,673.32
Cleaning Drainage Structures	15,144.83	7,459.09
Ditch Clean Out	8,092.66	7,129.46
Roadside Cleanup	56.86	-
Grass & Weed Control	17,962.49	2,490.15
Brush Cutting	1,588.08	15,527.57
Culvert / Underdrain Maintenance	2,019.00	-
Guard Rail & Post	-	1,289.06
Sweeping & Flushing	1,686.03	-
Winter Maintenance	33,759.86	14,254.35
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	32,287.31	10,038.12
Engineering Services	800.32	576.34
Field Supervision	26,011.78	464.80
Roadway Inspection	-	-
Emergency Response	929.58	813.41
BCRC Projects	\$ 107,692.29	\$ 72,478.67
Sub-Total of Maint. Expenditures	271,620.40	219,871.02
2018 Original Budget	280,893.00	181,308.00
Budget vs. Actual Costs	\$ 9,272.60	\$ (38,563.02)

TOWNSHIP MAINTENANCE REPORT

PORTSMOUTH TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	18.03	34.91

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	-	-
Chip & Seal	-	-
AMZ Patching	3,272.48	6,022.82
Seal Blend	-	-
Surface Maintenance	24,178.00	13,659.84
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,060.11	425.35
Curb & Gutter	-	-
Trees & Shrubs	4,886.63	-
Cleaning Drainage Structures	1,202.63	5,842.69
Ditch Clean Out	2,554.92	774.16
Roadside Cleanup	18,523.21	1,014.02
Grass & Weed Control	11,065.25	4,918.91
Brush Cutting	-	-
Culvert / Underdrain Maintenance	1,479.58	5,475.73
Guard Rail & Post	-	-
Sweeping & Flushing	1,678.08	-
Winter Maintenance	30,763.49	26,008.51
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	26,494.50	15,794.75
Engineering Services	2,238.51	-
Field Supervision	31,064.36	1,506.27
Roadway Inspection	283.14	270.19
Emergency Response	-	561.25
BCRC Projects	\$ 35,223.51	\$ 181,895.71
Sub-Total of Maint. Expenditures	199,968.40	264,170.20
2018 Original Budget	208,366.00	127,826.00
Budget vs. Actual Costs	\$ 8,397.60	\$ (136,344.20)

TOWNSHIP MAINTENANCE REPORT

WILLIAMS TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	34.92	35.41

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 1,771.20
Placing Gravel	906.03	-
Blading & Grading	-	16,367.02
Chip & Seal	-	-
AMZ Patching	-	5,937.52
Seal Blend	-	-
Surface Maintenance	56,588.21	24,508.90
Crack & Joint Sealing	-	-
Shoulder Maintenance	11,593.59	-
Curb & Gutter	-	-
Trees & Shrubs	7,209.97	4,544.04
Cleaning Drainage Structures	6,354.20	10,575.11
Ditch Clean Out	21,134.82	112.69
Roadside Cleanup	1,092.63	383.40
Grass & Weed Control	26,369.70	1,732.59
Brush Cutting	954.23	-
Culvert / Underdrain Maintenance	3,417.48	2.75
Guard Rail & Post	19,286.43	1,159.45
Sweeping & Flushing	-	-
Winter Maintenance	63,846.46	18,352.21
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	38,905.41	27,889.46
Engineering Services	860.52	336.83
Field Supervision	15,951.48	929.59
Roadway Inspection	-	-
Emergency Response	2,326.57	116.21
BCRC Projects	\$ 20,433.36	\$ 137,535.15
Sub-Total of Maint. Expenditures	297,231.09	252,254.12
2018 Original Budget	301,802.00	138,472.00
Budget vs. Actual Costs	\$ 4,570.91	\$ (113,782.12)

2018 LOCAL CONSTRUCTION

Project #	Road Name	Description	Total Costs

TOTAL 2018 LOCAL CONSTRUCTION COSTS

\$0.00

2018 PRIMARY CONSTRUCTION

Project #	Road Name	Description	Total Costs
114100	Garfield Road	Reconstruction	\$24,319.65

TOTAL 2018 PRIMARY PROJECT COSTS

\$24,319.65

2018 LOCAL BRIDGE STRUCTURES

Project #	Description	Total Costs
018000	Countywide Bridge Inspections >20'	\$320.50
018005	Old State Road Culvert	\$12,945.73

TOTAL 2018 LOCAL BRIDGE STRUCTURES COSTS \$13,266.23

2018 PRIMARY BRIDGE STRUCTURES

Project #	Description	Total Costs
118039	Countywide Bridge Inspections >20'	\$24,037.82
118040	Avalon Road Underwater Bridge Inspection	\$8,691.64
118047	Mackinaw Road over Johnson Drain	\$7,051.00

TOTAL 2018 PRIMARY BRIDGE STRUCTURES COSTS \$39,780.46

2018 PRIMARY HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
112105	Salzburg	Mackinaw	4 Mile	Reconstruction of 2 Lane Road	\$85,513.46
113015	Old Kawkawlin	M-13	State Park	Reconstruction of 2 Lane Road	\$26,367.86
116004	State Park	Entrance	Wilder	Design Rehabilitation of Road	\$17,607.76
116005	3 Mile	M-84	Amelith	Reconstruction of 2 Lane Road	\$138.68
116028	Linwood Beach	N. Boutell	Lebourdais	Survey and Design	\$262,755.42
117034	Midland	US-10	Garfield	Survey and Design	\$2,841.10
117036	Mackinaw	Freeland	Delta	Cold Mill, HMA	\$1,698,645.74
117037	Garfield	Seidlers	River	Crush & Shape Existing HMA	\$758.33
117038	Garfield	Beaver	Seidlers	Cold Mill & Pave with HMA	\$1,040,354.33
117039	Pine	Munger	German	Crush & Shape Existing HMA	\$1,483,428.13
117040	Monitor	Pine	Fraser	Construct Drainage Outlet	\$74,402.05
117050	Beaver	Euclid	2 Mile	Install Storm Sewer & Catch Basins	-\$2,874.88
118030	Chip	Mackinaw	Old Beaver	Crush & Shape	\$5,250.25
118031	Garfield	Hotchkiss	US-10	Cold Mill & Repave with HMA	\$86.04
118032	Midland	4 Mile	Mackinaw	Cold Mill & Repave with HMA	\$586,998.60
118033	Mackinaw	US-10	Midland	Crush & Shape	\$283,980.89
118034	Salzburg	Garfield	11 Mile	Crush & Shape	\$31,582.46
118037	Euclid	M-84	Stone Island	Full Reconstruction	\$23,902.01
118038	Wheeler	M-247	Patterson	Survey and Design	\$59,113.54
118043	Wheeler	M-247	State	Survey and Design	\$38,397.20
118054	Garfield	US-10	Midland	Widening into 3 Lanes	\$43,948.79
119009	Flajole	Salzburg	Fisher	Reconstruction of Road	\$7,110.85
119010	Salzburg	Rockwell	Flajole	Mill & Fill	\$7,110.85
119011	Salzburg	Flajole	Carter	Mill & Fill, Crush & Shape	\$12,708.65
119034	11 Mile	Bentley	M-61	Crush & Shape & Repave with HMA	\$15,825.90
119035	Bentley	Standish	11 Mile	Crush & Shape & Repave with HMA	\$7,110.85

TOTAL 2018 PRIMARY HEAVY MAINT. COSTS

\$5,813,064.86

2018 LOCAL HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
016075	Nebobish	Jones	Wagner	Pulverize Existing Asphalt	\$53,982.31
017041	Elizabeth	Borton	North End	Wedge & Overlay Existing Surface	\$22,150.98
017042	Jane	Borton	North End	Wedge & Overlay Existing Surface	\$22,150.96
017043	Nebobish	Wagner	Knight	Pave Outside 3' with HMA	\$7,028.13
017057	Amelith	Michigan	2 Mile	Cold Mill & Cement Stabilize	\$105,925.25
017076	Lapan	Shore	Tower Beach	Crush & Shape, & Place Aggregate	\$115.84
017078	Whitefeather	Shore	End	Crush & Shape, & Place Aggregate	\$115.84
017079	Neuman	Fraser	End	Crush & Shape, & Place Aggregate	\$115.84
017092	Seidlers	Garfield	9 Mile	Single Course Overlay	\$98,597.83
017111	Court	Midland	End	Crush & Shape, & Place Aggregate	\$57,490.78
018004	8 Mile	Midland	End	Crush & Shape, & Place Aggregate	\$9,922.93
018012	Bay Mid Line	Anderson	Linwood	Place Aggregate	\$24,735.16
018035	11 Mile	River		Install Sheet Pilings at Intersection	\$12,596.95
018060	Briggs	Russell		Place Aggregate	\$4,406.00
018065	Rose			Install Catch Basin at House #4663	\$3,709.79
018071	9 Mile	Townline 16	Neuman	Place Aggregate	\$24,789.78
018085	Wirbel	Maloney	End	Place Aggregate	\$21,534.31
018086	Lapan	Shore	End	Place Aggregate	\$35,448.05
018093	8 Mile	Saganing	Grim	Place Aggregate	\$3,554.85
018094	8 Mile	Saganing	Townline 17	Place Aggregate	\$16,504.07
018095	9 Mile	Saganing	Townline 17	Place Aggregate	\$18,880.56
018096	Saganing	Standish	Flajole	Place Aggregate	\$10,313.14
018097	Various			Place Aggregate in Cemetery	\$1,725.26

TOTAL 2018 LOCAL HEAVY MAINT. COSTS

\$555,794.61

2018 PRIMARY CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
118001	3 Mile	Amelith	Freeland	Single Seal	\$14,015.78
118004	Beaver	Old Beaver S Leg	M-247	Single Seal	\$47,365.43
118005	11 Mile	Cody Estey	Pinconning	Single Seal	\$15,176.31
118009	Hotchkiss	Garfield	7 Mile	Single Seal	\$37,742.90
118012	Neuman	Bay Mid Line	Flajole	Single Seal	\$15,068.69
118013	7 Mile	Pinconning	Bay Arenac	Single Seal	\$63,373.60
118014	Pinconning	City Limits	End	Single Seal	\$19,551.68
118016	7 Mile	River	Linwood	Single Seal	\$40,442.56
118018	Parish	M-13	Linwood Beach	Single Seal	\$19,431.46
118019	Cass	Michigan	M-15	Single Seal	\$35,223.51
118020	Knight	Cass	Hampton	Single Seal	\$44,559.66
118021	Hampton	City Limits	Farley	Single Seal	\$56,773.23
118022	Farley	M-25	Hampton	Single Seal	\$23,275.30
118023	Scheurman	Youngs Ditch	Nebobish	Single Seal	\$31,575.74
118025	Kitchen	M-13	Tower Beach	Double Seal	\$36,934.23
118027	Tower Beach	Kitchen	Coggins	Double Seal	\$35,808.86
118029	Coggins	Tower Beach	M-13	Double Seal	\$31,498.84

TOTAL 2018 PRIMARY CHIP SEAL COSTS

\$567,817.78

2018 LOCAL CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
017099	Mosher	Beaver	Seidlers	Single Seal	\$8,274.50
018001	Fraser	Salzburg	US-10	Single Seal	\$11,717.95
018002	8 Mile	Midland	Wilder	Single Seal	\$14,017.99
018003	8 Mile	US-10	Salzburg	Double Seal	\$90,390.06
018008	11 Mile	Wilder	North Union	Double Seal	\$36,998.70
018011	11 Mile	Wilder	Wheeler	Single Seal	\$14,086.14
018013	Ridge	Pine	Knight	Single Seal	\$22,798.82
018014	Nebobish	Orchard	Jones	Single Seal	\$10,673.39
018015	Arms	Knight	Finn	Single Seal	\$12,996.99
018020	Brandon	Matthew	Kara	Fog Seal	\$3,083.33
018021	Blake	Kara	Ryan	Fog Seal	\$1,277.79
018022	Blake	Matthew	Kara	Fog Seal	\$676.60
018023	Zachary	Matthew	Kara	Fog Seal	\$2,476.08
018024	Kara	Matthew	WS Saginaw	Fog Seal	\$1,069.20
018025	Matthew	WS Saginaw	Kara	Fog Seal	\$672.53
018026	Ryan	Blake	Ryan	Fog Seal	\$1,017.99
018030	Ziegler	Bridge	Stone Island	Single Seal	\$12,206.87
018031	Amelith	3 Mile	Overpass	Single Seal	\$12,147.04
018032	Fraser	Amelith	Delta	Single Seal	\$10,569.59
018033	Hupfer	Amelith	Delta	Single Seal	\$10,585.35
018036	Boutell	Mackinaw	M-13	Single Seal	\$16,424.80
018037	River	Mackinaw	M-13	Single Seal	\$12,889.75
018038	Seidlers	8 Mile	7 Mile	Single Seal	\$10,871.55
018039	Cottage Grove	8 Mile	I-75	Single Seal	\$21,421.02
018043	Fraser	Linwood	Kitchen	Single Seal	\$32,565.98
018044	Newberg	8 Mile	7 Mile	Single Seal	\$8,544.15
018045	Kaiser	Newberg	Townline 16	Single Seal	\$9,836.50
018046	Anderson	Kaiser	End	Single Seal	\$6,312.41
018047	Elevator	Anderson	Sherman	Single Seal	\$3,465.03
018048	Sherman	Kaiser	End	Single Seal	\$5,805.88
018049	Peters Beach	Elevator	End	Single Seal	\$4,670.60
018050	Bellor	Elevator	End	Single Seal	\$4,175.19
018052	Newberg	Mackinaw	End	Single Seal	\$17,573.06
018053	Coggins	8 Mile	7 Mile	Double Seal	\$31,121.53
018054	8 Mile	Newberg	Townline 16	Double Seal	\$71,198.53
018055	Russell	Tuscola	Knight	Single Seal	\$3,320.01
018056	Knight	Kinney	Wilshire	Single Seal	\$11,698.53
018057	Burns	Kinney	Wilshire	Single Seal	\$11,553.01
018058	Markel	Burns	Callahan	Single Seal	\$17,526.93
018059	Brown	Farley	Nolet	Single Seal	\$16,362.05
018061	Bowker	Cass	Youngs Ditch	Single Seal	\$10,609.87
018062	Warner	Cotter	End	Single Seal	\$13,601.37
018068	Scheurman	Munger	Russell	Single Seal	\$12,873.99
018069	Russell	Lincoln	M-15	Single Seal	\$48,832.14
018072	9 Mile	Pinconning	Cody Estey	Single Seal	\$11,477.91
018078	Freeland	3 Mile	Michigan	Single Seal	\$8,749.51
018080	Limerick	Amelith	End	Single Seal	\$6,465.02
018084	Carter	Erickson	Newberg	Double Seal	\$32,723.45
018087	Cody Estey	Shore	End	Double Seal	\$23,384.31

018088	Bay Shore	Cody Estey	End	Double Seal	\$20,570.33
018089	Mount Forest	Fraser	Mackinaw	Single Seal	\$10,409.64
018090	Boutell	7 Mile	I-75	Double Seal	\$22,201.29
018091	Wetters	7 Mile	I-75	Double Seal	\$23,154.66
018092	River	Mackinaw	River	Double Seal	\$25,836.69

TOTAL 2018 LOCAL CHIP SEAL COSTS

\$865,963.60