

# BAY COUNTY ROAD COMMISSION 2017 One Hundred and Eighteenth ANNUAL REPORT

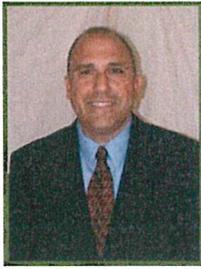


*Culvert Replacement With Mini Excavator*

*Durapatcher*

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## Engineer-Manager Report

Attached is the 118th 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 2017, as well as, revenues and expenditures as they apply to the 2017 fiscal year. Please see Exhibit A on Page 2 of this letter 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 2016. 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 \$2.76 million or 34.5%. Even though this was a much-needed infusion of new revenue, our Primary road conditions continued to deteriorate overall. After 11 years of minimal increases in MTF funding, the BCRC now finds itself trying desperately to "catch-up". Many of our Primary roads received minimal to no significant improvements during this 11-year timeframe. Thus, our poor to fair rated road mileage continues to increase. Although the new revenue is appreciated, it will take at least a decade to get the Primary Road system back to where it was 11 years ago, let alone improving 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, ditch clean-out, emergency signing, Michigan Department of Transportation (MDOT) trunkline general and contract maintenance, and many other road related services continuously receive accolades and high marks for their workmanship. Our commitment and service to Bay County's motoring public remains strong.

During 2017, in-house staff completed design and construction engineering for several road projects. Further, our crews continue to complete road reconstruction and rehabilitation projects, along with drainage improvement projects throughout Bay County. They completed these projects in a timely and 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 2018 and future years.

We enter 2018 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 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 18, 2018

## EXHIBIT A

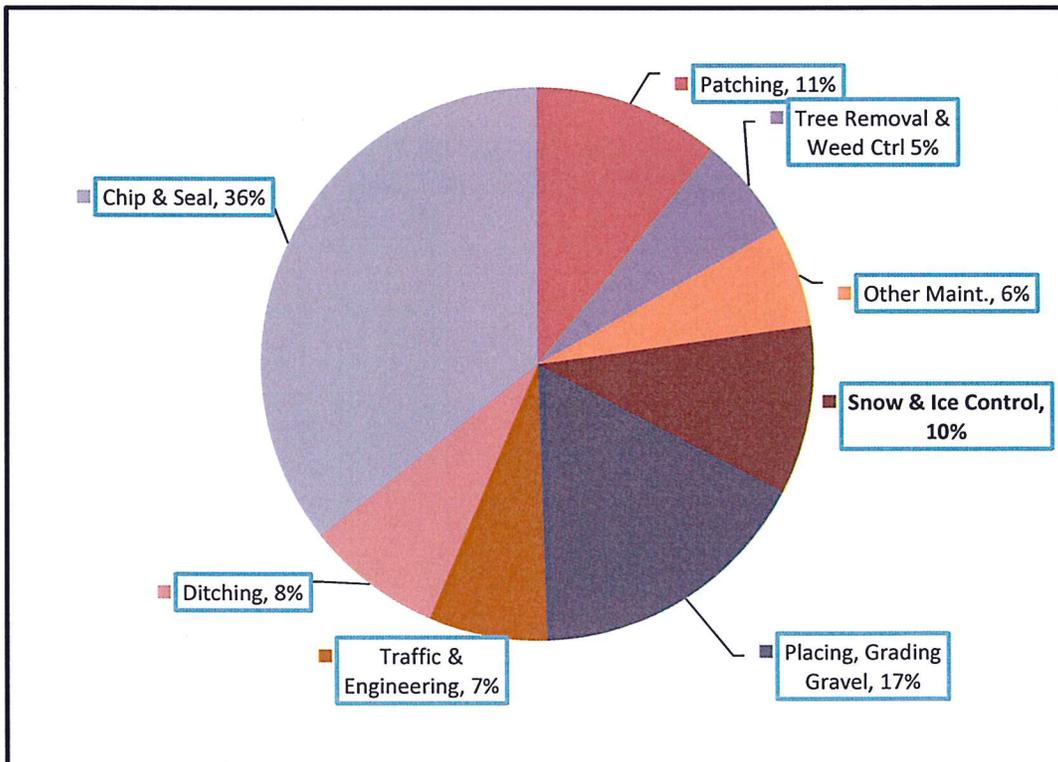
Bay County Residents:	107,771
Road Commission Employees:	53
Commissioners:	3
 Townships served:	 14
Bangor	Kawkawlin
Beaver	Merritt
Frankenlust	Monitor
Fraser	Mt. Forest
Garfield	Pinconning
Gibson	Portsmouth
Hampton	Williams

Total Revenue	\$15,286,728
MI Transportation Fund (MTF)	\$10,600,566
Federal Revenue	\$628,603
State Trunkline/Other	\$1,947,518
Township Contributions	\$1,295,089
Miles of 2017 Hvy Mtn. Projects	57.43
Miles of Chip/Seal Projects	60.25
Building Better Local Road Used	\$240,000
Primary Heavy Mtn Projects	\$3,272,673
Local Heavy Mtn Projects	\$1,078,541
Bridge Inspections	\$31,697
Tons of Salt Used	8,816

### Expense Categories for Local Road Maintenance:

	<u>% of Total</u>	<u>Amount for 2017</u>
Patching	11%	\$270,065
Tree Removal & Weed Cont.	6%	151,705
Other Maint.	6%	146,496
Snow & Ice Control (13% in 2016)	10%	246,334
Placing, Grading Gravel	17%	440,046
Traffic & Engineering	7%	178,671
Ditching	8%	194,730
Chip & Seal	<u>36%</u>	<u>900,000</u>
Total	100%	\$2,528,047

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 2017 MTF equaled \$10.6 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.



**RICHARD S. GROMASKI**  
Chairman

Mr. Richard (Dick) Gromaski has served as Chairman since January 2011 and had been Vice-Chairman since 2007. He is a graduate of Pinconning area schools and a lifelong resident of Bay County. He was the owner and operator of Dick's Super Service in Fraser Township for 38 years and served as Fraser Township Supervisor for 16 years.

ELECTED TERM  
2013 - 2018



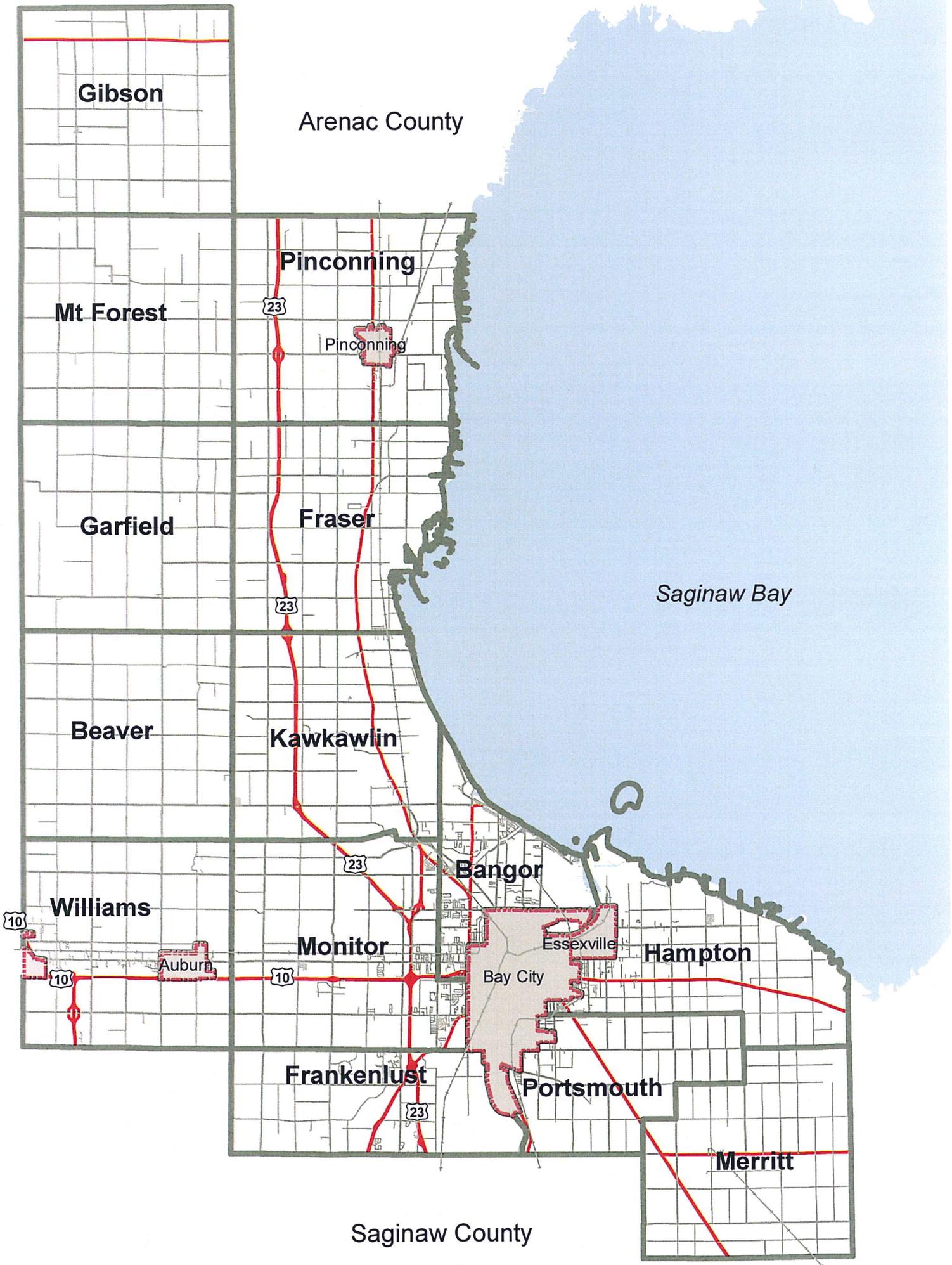
**EDWARD L. RIVET**  
Vice Chairman

ELECTED TERM  
2015- 2020



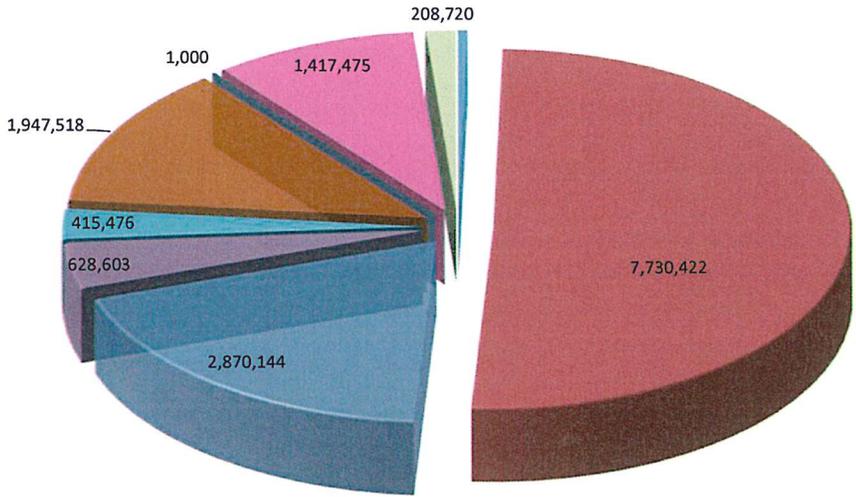
**MICHAEL G. RIVARD**  
Member

ELECTED TERM  
2017 - 2022



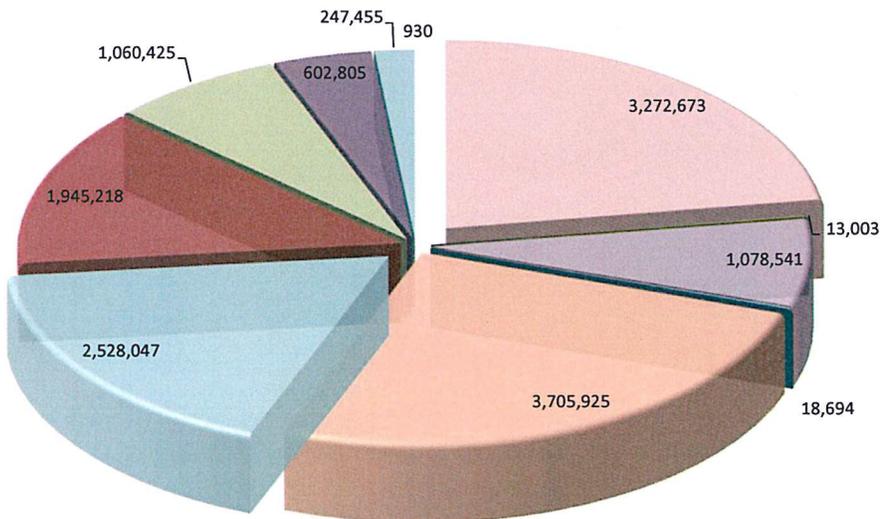
Saginaw County

### REVENUES



- INTEREST EARNED- \$ 67,370 0.4%
- MTF PRIMARY- \$ 7,730,422 50.6%
- MTF LOCAL- \$ 2,870,144 18.8%
- STATE & FED. GRANTS- \$ 628,603 4.1%
- OTHER STATE FD - \$ 415,476 .2.7%
- STATE TRUNKLINES- \$ 1,947,518 12.7%
- GAIN ON DISPOSAL- \$ 1,000 0.0%
- LOCALLY RAISED FUNDS- \$ 1,417,475 9.3%
- PERMITS, ROYALTIES, MISC.- \$ 208,720 1.4%

### EXPENSES



- CONSTRUCTION- \$ 930 0.0%
- HEAVY MAINT. PRIMARY - \$ 3,272,673 22.6%
- BRIDGES PRIMARY - \$ 13,003 0.1%
- HEAVY MAINT. LOCAL- \$ 1,078,541 7.5%
- BRIDGES LOCAL - \$ 18,694 0.1%
- ROUTINE MAINT. PRIMARY - \$ 3,705,925 25.6%
- ROUTINE MAINT. LOCAL- \$ 2,528,047 17.5%
- STATE TRUNKLINE MAINT. - \$ 1,945,218 13.4%
- ADMINISTRATION - \$ 1,060,425 7.3%
- OTHER - \$ 602,805 4.2%
- CAPITAL OUTLAY-NET - \$ 247,455 1.7%

**BAY COUNTY ROAD COMMISSION  
COMBINED BALANCE SHEET  
ALL FUND TYPES AND ACCOUNT GROUPS  
DECEMBER 31, 2017**

	<u>General Operating</u>
<b>ASSETS</b>	
Cash and Cash Equivalents-	
On Deposit with Banks	\$ 50,234
On Deposit with County Treasurer	3,695,348
State Motor Transportation Funds	1,647,082
State Trunkline Maintenance	250,610
State Transportation Dept.-Other	263,653
Township Road Agreements	175,763
Due from County General Fund	-
Accounts Receivable	159,586
Inventories - Road Materials	423,780
- Equipment Parts and Materials	206,246
Prepaid Expenses	88,457
Interest Receivable	-
Deferred Federal Aid	-
Fixed Assets Net of Accumulated Depreciation	-
Amount to be Provided for Retirement of General Long-Term Debt	-
 Total Assets	 <u><u>\$ 6,960,758</u></u>
 <b>LIABILITIES AND FUND EQUITY</b>	
<u>Liabilities</u>	
Accounts Payable	156,740
Notes Payable - Short Term	-
Accrued Liabilities	129,187
Deferred Revenue	-
Advances from State	-
Deferred Revenue - Township Road Agreements:	298,185
Accrued Sick Leave & Vacation	-
Total Liabilities	584,112
<u>Fund Equity:</u>	
Investment in General Fixed Assets	-
Fund Balance:	-
Primary -	3,530,456
Local -	335,858
County Road -	2,510,332
Total Fund Balances	6,376,646
 Total Liabilities and Fund Equity	 <u><u>\$ 6,960,758</u></u>

Account Groups		Total (Memo Only)
Fixed Assets	Long-Term Debt	December 31, 2017
\$ -	\$ -	\$ 50,234
-	-	3,695,348
-	-	1,647,082
-	-	250,610
-	-	263,653
-	-	175,763
-	-	-
-	-	159,586
-	-	423,780
-	-	206,246
-	-	88,457
-	-	-
-	-	-
2,537,631	-	2,537,631
-	940,311	940,311
<u>\$ 2,537,631</u>	<u>\$ 940,311</u>	<u>\$ 10,438,700</u>
\$ -	\$ -	\$ 156,740
-	-	-
-	-	129,187
-	-	-
-	-	-
-	-	298,185
-	940,311	940,311
-	940,311	1,524,423
2,537,631	-	2,537,631
-	-	-
-	-	3,530,456
-	-	335,858
-	-	2,510,332
-	-	6,376,646
-	-	-
<u>\$ 2,537,631</u>	<u>\$ 940,311</u>	<u>\$ 10,438,700</u>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2017

**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	\$ 7,730,422	\$ 2,870,144	\$ -	\$ 10,600,566
State Other Funding	415,476	-	-	415,476
Federal Revenue	628,603	-	-	628,603
County Raised Revenue	-	1,417,475	-	1,417,475
State Trunkline	-	-	1,947,518	1,947,518
Gain on Disposal of Equipment	-	-	1,000	1,000
Interest Earned	31,412	-	35,958	67,370
Miscellaneous Revenue	45,218	10,640	11,576	67,434
Other	-	10,785	130,501	141,286
<b>Total Revenue</b>	<b>\$ 8,851,131</b>	<b>\$ 4,309,044</b>	<b>\$ 2,126,553</b>	<b>\$ 15,286,728</b>
<b><u>Expenditures</u></b>				
Construction	\$ 930	\$ -	\$ -	\$ 930
Heavy Maintenance	3,272,673	1,078,541	-	4,351,214
Heavy Maint. Structures	13,003	18,694	-	31,697
Routine Maintenance	3,705,927	2,528,047	-	6,233,974
Administrative	698,360	362,065	-	1,060,425
State Trunkline	-	-	\$ 1,945,218	1,945,218
Equipment Account	(15,971)	(14,161)	(8,773)	(38,905)
Other	221,760	-	381,045	602,805
<b>Total Operating Expenditures</b>	<b>\$ 7,896,682</b>	<b>\$ 3,973,186</b>	<b>\$ 2,317,490</b>	<b>\$ 14,187,358</b>
<b><u>Non-Operating Expenditures</u></b>				
Net Capital Outlay	-	-	247,455	247,455
Debt Principal Payment	-	-	-	-
Interest Expense	-	-	-	-
<b>Total Expenditures</b>	<b>\$ 7,896,682</b>	<b>\$ 3,973,186</b>	<b>\$ 2,564,945</b>	<b>\$ 14,434,813</b>
Increase (Decrease) In Available Operating Fund	954,449	335,858	(438,392)	\$ 851,915
Beginning Fund Balance 01/01/17	\$ 2,576,006	\$ -	\$ 2,948,724	\$ 5,524,730
Adjustment to Fund Balance	-	-	-	-
Intra-Fund Transfer	-	-	-	-
<b>Ending Balance 12/31/17</b>	<b>\$ 3,530,455</b>	<b>\$ 335,858</b>	<b>\$ 2,510,332</b>	<b>\$ 6,376,645</b>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2017

**STATEMENT OF REVENUES**

Calendar Years 2017-2014

	2017	2016	2015	2014
<b><u>Michigan Transportation Fund</u></b>				
County Primary Road Fund	\$7,730,422	\$5,913,713	\$5,794,203	\$5,637,562
County Local Road Fund	2,870,144	2,193,735	2,140,292	2,058,739
Total MTF	10,600,566	8,107,448	7,934,495	7,696,301
<b><u>State Grants</u></b>				
Other State Funding PA 252	-	622,491	1,033,088	836,632
State Bridge Money and Tire Grant	415,476	1,087,567	-	262,385
Total State Grants	415,476	1,710,058	1,033,088	1,099,017
<b><u>Federal Aid Revenue</u></b>				
Surface Tran. Program (STP)	628,603	136,789	2,134,645	1,196,769
Total Federal Aid Revenue	628,603	136,789	2,134,645	1,196,769
<b><u>County Raised Revenue</u></b>				
City & Village Contributions	-	-	-	-
Township Contributions	1,295,089	1,873,380	2,105,451	2,486,322
Other Contributions	122,386	210,961	-	-
Total County Raised Revenue	1,417,475	2,084,341	2,105,451	2,486,322
Trunkline Maintenance	1,536,382	1,688,708	1,615,371	1,591,009
Trunkline Non-Maintenance	411,136	190,804	2,050	33,012
<b><u>Miscellaneous Revenue</u></b>				
Permit Fees	67,434	65,215	57,866	42,155
Salvage Sales	3,137	2,967	3,004	7,897
Interest Earned	67,370	49,865	(6,543)	56,526
Royalty Revenue	10,785	9,684	59,845	87,846
Sundry Refunds	557	7,378	7,845	978
Land & Building Sales	-	-	-	-
Gain on Disposal of Equipment	1,000	33,709	5,000	2,625
Other Revenues	126,807	141,532	-	-
Total Miscellaneous Revenue	277,090	310,350	127,017	198,027
<b>Total Revenue</b>	<b>\$15,286,728</b>	<b>\$14,228,498</b>	<b>\$14,952,117</b>	<b>\$14,300,457</b>

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2017

**Statement of Expenditures**

Calendar Years 2017-2014

<u>Operating Expenditures</u>	2017	2016	2015	2014
<b><u>Construction</u></b>				
Primary Road System	\$930	\$176,033	\$2,206,860	\$141,477
Local Road System	-	-	-	-
Total Construction	930	176,033	2,206,860	141,477
<b><u>Heavy Maintenance</u></b>				
Primary Road System	3,272,673	1,207,375	1,832,692	3,544,761
Primary Bridge & Structures	13,003	1,281,094	394,164	33,004
Total Primary Heavy Maintenance	3,285,676	2,488,469	2,226,856	3,577,765
Local Road System	1,078,541	1,314,860	1,606,138	1,950,782
Local Bridge & Structures	18,694	76,897	14,035	13,594
Total Local Heavy Maintenance	1,097,235	1,391,757	1,620,173	1,964,376
Total Heavy Maintenance	4,382,911	3,880,226	3,847,029	5,542,141
<b><u>Routine Maintenance</u></b>				
Primary Road System	2,676,968	2,629,359	1,242,184	908,119
Snow Removal and Ice Control	556,384	782,847	681,698	1,025,794
Traffic Control	472,575	403,299	346,174	373,639
Total Primary Maintenance	3,705,927	3,815,505	2,270,056	2,307,552
Local Road System	2,129,222	2,786,502	2,154,517	3,148,369
Snow Removal and Ice Control	246,334	417,116	471,643	626,666
Traffic Control	152,491	170,943	111,375	153,086
Total Local Maintenance	2,528,047	3,374,561	2,737,535	3,928,121
Total Routine Maintenance	6,233,974	7,190,066	5,007,591	6,235,673
Administrative Expense	1,060,425	1,137,432	1,246,043	942,483
State Trunkline Maintenance	1,534,103	1,506,614	1,646,998	1,512,658
State Trunkline Non-Maintenance	411,115	190,859	2,059	33,012

STATEMENT OF REVENUES AND EXPENDITURES  
Year Ended December 31, 2017

**Statement of Expenditures**

Calendar Years 2017-2014

	2017	2016	2015	2014
<b><u>Equipment Expense</u></b>				
*Direct Expense	1,074,058	1,017,268	968,540	1,035,059
*Indirect Expense	790,172	876,413	879,302	666,818
*Operating Expense	330,264	254,985	279,165	524,524
Total Equipment Expense	2,194,494	2,148,666	2,127,007	2,226,401
*Credit to Equipment Expense	(2,233,399)	(2,450,008)	(2,178,618)	(2,524,652)
Net Equipment Expense	(38,905)	(301,342)	(51,611)	(298,251)
Total Operating Expenditures				
<b>Total Operating Expenditures</b>	<b>\$ 13,584,553</b>	<b>\$ 13,779,888</b>	<b>\$ 13,904,969</b>	<b>\$ 14,109,193</b>
Non-Operating Expenditures				
<b><u>Capital Outlay</u></b>				
Land	\$ -	\$ -	\$ -	\$ -
Buildings	67,639	49,623	-	67,624
Road Equipment	728,028	570,328	377,370	49,515
Shop, Engineers, & Office Equipment	-	12,936	-	98,124
Yards & Storage	15,438	7,260	-	-
Equipment Retirement	-	(1,999)	-	-
Depreciation and Depletion	(563,650)	(463,893)	(530,002)	(548,853)
Net Capital Outlay	247,455	174,255	(152,632)	(333,590)
Debt Principal Payment	0	57,524	55,932	54,384
Other Expense	602,805	293,923	338,903	304,808
Interest Expense	0	1,637	3,229	4,777
<b>Total Expenditures</b>	<b>\$ 14,434,813</b>	<b>\$ 14,307,227</b>	<b>\$ 14,150,401</b>	<b>\$ 14,139,572</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.

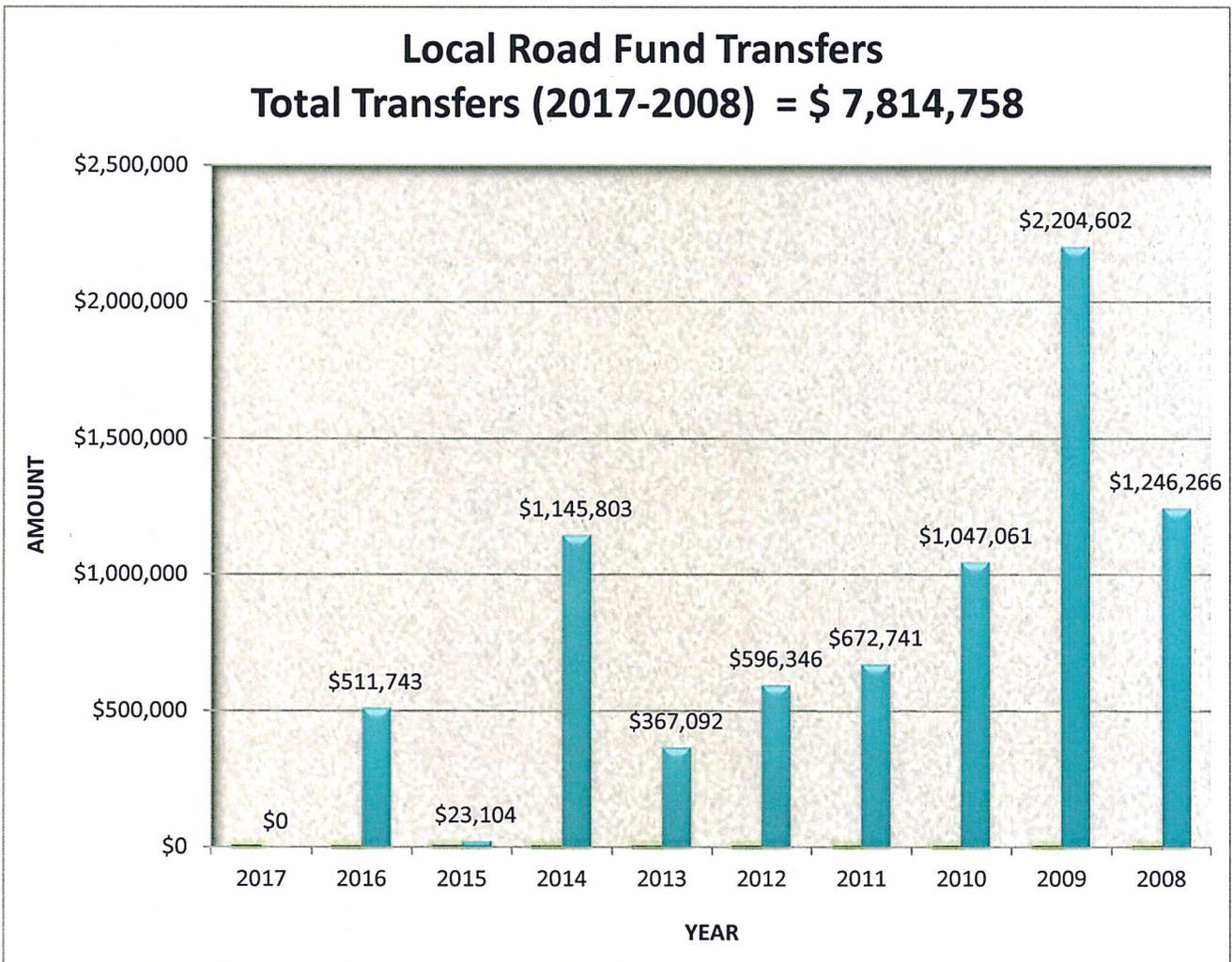
\*Operating Expense-Gasoline, diesel, oil, grease, and anti-freeze.

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

## STATEMENT OF CHANGES IN FUND BALANCE

Calendar Years 2017-2014

	2017	2016	2015	2014
Total Revenues	\$ 15,286,728	\$ 14,228,498	\$ 14,952,117	\$ 14,300,457
Total Expenditures	\$ 14,434,813	\$ 14,307,227	\$ 14,150,401	\$ 14,139,572
Excess of Revenue Over (Under) Expenditures	\$ 851,915	\$ (78,729)	\$ 801,716	\$ 160,885
Fund Equity - January 1	\$ 5,524,731	\$ 5,603,460	\$ 4,801,744	\$ 4,640,859
Adjustment	\$ -	\$ -	\$ -	\$ -
Fund Equity - December 31	\$ 6,376,646	\$ 5,524,731	\$ 5,603,460	\$ 4,801,744



# BAY COUNTY ROAD COMMISSION

2017 - 2014

## TOWNSHIP PAYMENTS

TOWNSHIP	PAID CONTRIBUTIONS ON ROAD AGREEMENTS			
	2017	2016	2015	2014
BANGOR	20,487	9,665	44,141	39,651
BEAVER	51,426	186,393	188,628	269,269
FRANKENLUST	170,768	242,758	224,470	179,774
FRASER	199,464	190,553	214,584	253,338
GARFIELD	107,768	78,718	61,655	61,234
GIBSON	43,691	23,188	28,594	24,290
HAMPTON	7,300	92,573	46,473	283,822
KAWKAWLIN	340,428	241,977	464,086	147,390
MERRITT	61,263	121,402	79,525	72,456
MONITOR	35,189	42,858	18,803	309,805
MT. FOREST	39,990	5,524	29,479	30,194
PINCONNING	61,478	90,379	134,756	122,311
PORTSMOUTH	54,241	333,033	115,282	21,984
WILLIAMS	101,596	214,360	149,706	187,738
<b>TOTALS</b>	<b>\$1,295,089</b>	<b>\$1,873,381</b>	<b>\$1,800,182</b>	<b>\$2,003,256</b>

# TOWNSHIP MAINTENANCE REPORT

MILEAGE:            369.28                            665.58

**PRIMARY                            LOCAL**

Bangor Township		\$445,021.04		\$346,736.25
Beaver Township		\$265,412.64		\$97,216.36
Frankenlust Township		\$301,004.77		\$171,557.72
Fraser Township		\$148,859.69		\$248,432.29
Garfield Township		\$233,337.84		\$209,476.07
Gibson Township		\$181,237.74		\$146,379.28
Hampton Township		\$244,368.03		\$141,014.66
Kawkawlin Township		\$242,093.42		\$171,503.40
Merritt Township		\$138,551.22		\$131,485.89
Monitor Township		\$399,071.32		\$182,433.02
Mt. Forest Township		\$123,277.44		\$159,867.88
Pinconning Township		\$151,337.16		\$158,825.82
Portsmouth Township		\$190,271.49		\$138,471.25
Williams Township		\$597,303.75		\$206,662.54

Various Maint Due to Storm Damage                            44,779.38                            17,984.66

Total Maintenance Expenditures                            \$    **3,705,926.93**                            **2,528,047.09**

2017 Original Budget                            \$    **2,808,299.59**                            **2,375,523.00**

Budget vs. Actual Costs                            \$    (897,627.34)                            (152,524.09)

# TOWNSHIP MAINTENANCE REPORT

## ALL TOWNSHIPS

**PRIMARY      LOCAL**

MILEAGE:            369.28      665.58

### DESCRIPTION OF WORK

Dust Control	\$0.00	\$112,912.94
Placing Gravel	\$5,352.18	\$29,635.63
Blading & Grading	\$1,517.78	\$297,497.18
Chip & Seal	\$492.38	\$561.32
AMZ Patching	\$41,761.14	\$25,132.53
Seal Blend	\$0.00	\$0.00
Surface Maintenance	\$328,056.02	\$244,932.00
Crack & Joint Sealing	\$3,751.18	\$0.00
Shoulder Maintenance	\$123,429.56	\$98,932.09
Curb & Gutter	\$0.00	\$0.00
Trees & Shrubs	\$113,157.17	\$121,880.49
Drainage & Backslope	\$111,579.49	\$156,425.52
Ditch Clean Out	\$88,841.51	\$38,304.95
Roadside Cleanup	\$89,726.83	\$10,507.18
Grass & Weed Control	\$164,102.05	\$29,824.89
Brush Cutting	\$24,740.26	\$9,581.12
Culvert / Underdrain Maintenance	\$33,402.17	\$2,400.80
Guard Rail & Post	\$10,013.01	\$3,985.88
Sweeping & Flushing	\$5,407.74	\$2,598.81
Winter Maintenance	\$565,152.85	\$246,334.22
Winter Maintenance Patrol	\$0.00	\$0.00
Bridge Structures	\$0.00	\$0.00
Traffic Signs	\$472,575.27	\$152,490.67
Engineering Services	\$9,436.80	\$15,411.63
Field Supervision	\$322,082.71	\$10,768.41
Roadway Inspection	\$5,762.25	\$504.89

BCRC Projects	\$1,140,807.20	\$899,439.28
Sub-Total of Maint. Expenditures	<b>3,661,147.55</b>	<b>2,510,062.43</b>
2017 Original Budget	<b>2,808,299.59</b>	<b>2,375,523.00</b>
Budget vs. Actual Costs	(852,847.96)	(134,539.43)

# TOWNSHIP MAINTENANCE REPORT

## BANGOR TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      31.4                      44.01

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	-	-
Chip & Seal	492.38	-
AMZ Patching	1,553.69	1,341.30
Seal Blend	-	-
Surface Maintenance	63,294.87	50,332.89
Crack & Joint Sealing	-	-
Shoulder Maintenance	8,010.17	826.91
Curb & Gutter	-	-
Trees & Shrubs	15,080.93	14,505.83
Cleaning Drainage Structures	6,396.36	38,083.14
Ditch Clean Out	799.79	438.25
Roadside Cleanup	16,988.77	2,210.48
Grass & Weed Control	10,613.17	-
Brush Cutting	2,760.75	394.37
Culvert / Underdrain Maintenance	6,465.75	-
Guard Rail & Post	-	-
Sweeping & Flushing	1,549.68	-
Winter Maintenance	81,570.71	20,969.95
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	80,253.02	10,349.21
Engineering Services	892.25	1,344.41
Field Supervision	46,759.03	1,692.59
Roadway Inspection	-	-
BCRC Projects	\$ 101,539.72	\$ 204,246.92
Sub-Total of Maint. Expenditures	<b>445,021.04</b>	<b>346,736.25</b>
2017 Original Budget	<b>416,541.00</b>	<b>214,225.00</b>
Budget vs. Actual Costs	\$ (28,480.04)	\$ (132,511.25)

# TOWNSHIP MAINTENANCE REPORT

## BEAVER TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      24.18                      44.81

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	969.50
Blading & Grading	-	938.16
Chip & Seal	-	-
AMZ Patching	-	1,566.40
Seal Blend	-	-
Surface Maintenance	24,136.82	7,801.94
Crack & Joint Sealing	1,215.54	-
Shoulder Maintenance	6,448.62	1,846.15
Curb & Gutter	-	-
Trees & Shrubs	20,059.10	6,737.50
Cleaning Drainage Structures	4,497.68	14,569.77
Ditch Clean Out	28,574.75	498.73
Roadside Cleanup	5,017.92	515.65
Grass & Weed Control	9,748.93	1,836.27
Brush Cutting	1,681.37	-
Culvert / Underdrain Maintenance	8,907.64	-
Guard Rail & Post	-	-
Sweeping & Flushing	-	-
Winter Maintenance	34,573.26	11,605.45
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	28,566.63	8,857.56
Engineering Services	1,058.88	1,135.98
Field Supervision	17,010.15	-
Roadway Inspection	-	-
BCRC Projects	\$ 73,915.35	\$ 38,337.30
Sub-Total of Maint. Expenditures	<b>265,412.64</b>	<b>97,216.36</b>
2017 Original Budget	<b>160,169.38</b>	<b>144,488.00</b>
Budget vs. Actual Costs	\$ (105,243.26)	\$ 47,271.64

# TOWNSHIP MAINTENANCE REPORT

## FRANKENLUST TOWNSHIP

	<b>PRIMARY</b>	<b>LOCAL</b>
<b>MILEAGE:</b>	13.35	33.09

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	750.92
Blading & Grading	-	772.40
Chip & Seal	-	-
AMZ Patching	1,795.46	2,496.76
Seal Blend	-	-
Surface Maintenance	26,752.02	10,375.20
Crack & Joint Sealing	-	-
Shoulder Maintenance	10,952.72	8,390.39
Curb & Gutter	-	-
Trees & Shrubs	3,248.80	2,476.61
Cleaning Drainage Structures	15,309.09	209.35
Ditch Clean Out	9,137.39	6,199.86
Roadside Cleanup	5,678.85	1,408.36
Grass & Weed Control	18,892.89	2,770.95
Brush Cutting	-	540.62
Culvert / Underdrain Maintenance	1,053.37	-
Guard Rail & Post	-	-
Sweeping & Flushing	-	1,544.15
Winter Maintenance	37,289.22	14,372.47
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	27,491.18	16,068.97
Engineering Services	647.63	1,286.00
Field Supervision	20,929.49	764.99
Roadway Inspection	1,113.25	504.89
<b>BCRC Projects</b>	<b>\$ 120,713.41</b>	<b>\$ 100,624.83</b>
<b>Sub-Total of Maint. Expenditures</b>	<b>301,004.77</b>	<b>171,557.72</b>
<b>2017 Original Budget</b>	<b>147,540.73</b>	<b>129,518.00</b>
<b>Budget vs. Actual Costs</b>	<b>\$ (153,464.04)</b>	<b>\$ (42,039.72)</b>

# TOWNSHIP MAINTENANCE REPORT

## FRASER TOWNSHIP

**PRIMARY**                      **LOCAL**  
**MILEAGE:**                      29.44                      56.62

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 3,396.43
Placing Gravel	171.00	830.13
Blading & Grading	-	17,373.67
Chip & Seal	-	-
AMZ Patching	-	1,678.00
Seal Blend	-	-
Surface Maintenance	15,027.70	12,258.19
Crack & Joint Sealing	-	-
Shoulder Maintenance	3,100.82	8,034.43
Curb & Gutter	-	-
Trees & Shrubs	7,007.13	8,974.25
Cleaning Drainage Structures	6,330.69	7,442.35
Ditch Clean Out	1,216.85	2,487.17
Roadside Cleanup	1,293.26	507.77
Grass & Weed Control	8,886.66	2,442.64
Brush Cutting	3,568.94	1,521.69
Culvert / Underdrain Maintenance	632.95	-
Guard Rail & Post	-	-
Sweeping & Flushing	869.93	-
Winter Maintenance	35,881.41	12,077.21
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	16,633.83	6,904.14
Engineering Services	867.48	1,829.00
Field Supervision	23,814.76	451.69
Roadway Inspection	-	-
BCRC Projects	\$ 23,556.28	\$ 160,223.53
Sub-Total of Maint. Expenditures	<b>148,859.69</b>	<b>248,432.29</b>
2017 Original Budget	<b>192,795.53</b>	<b>182,262.00</b>
Budget vs. Actual Costs	\$ 43,935.84	\$ (66,170.29)

# TOWNSHIP MAINTENANCE REPORT

## GARFIELD TOWNSHIP

**PRIMARY      LOCAL**

**MILEAGE:                      24.5                      41.59**

**DESCRIPTION OF WORK**

Dust Control	\$ -	\$ 30,668.00
Placing Gravel	1,063.24	4,812.61
Blading & Grading	-	57,877.40
Chip & Seal	-	-
AMZ Patching	-	3,463.31
Seal Blend	-	-
Surface Maintenance	8,223.40	6,295.69
Crack & Joint Sealing	-	-
Shoulder Maintenance	6,941.30	10,995.12
Curb & Gutter	-	-
Trees & Shrubs	7,115.53	16,330.86
Cleaning Drainage Structures	7,884.93	8,684.42
Ditch Clean Out	-	1,765.40
Roadside Cleanup	1,554.42	451.69
Grass & Weed Control	7,608.59	769.74
Brush Cutting	4,140.12	834.59
Culvert / Underdrain Maintenance	1,202.07	-
Guard Rail & Post	-	-
Sweeping & Flushing	-	-
Winter Maintenance	26,982.31	28,427.06
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	15,886.64	6,633.46
Engineering Services	99.59	455.68
Field Supervision	22,047.26	-
Roadway Inspection	-	-

BCRC Projects	\$ 122,588.44	\$ 31,011.04
Sub-Total of Maint. Expenditures	<b>233,337.84</b>	<b>209,476.07</b>
2017 Original Budget	<b>154,856.94</b>	<b>133,725.00</b>
Budget vs. Actual Costs	\$ (78,480.90)	\$ (75,751.07)

# TOWNSHIP MAINTENANCE REPORT

## GIBSON TOWNSHIP

	<b>PRIMARY</b>	<b>LOCAL</b>
<b>MILEAGE:</b>	16.97	46.64

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 17,883.02
Placing Gravel	1,056.48	6,489.51
Blading & Grading	497.52	64,666.91
Chip & Seal	-	-
AMZ Patching	772.12	-
Seal Blend	-	-
Surface Maintenance	13,393.57	7,266.86
Crack & Joint Sealing	-	-
Shoulder Maintenance	2,988.54	2,892.14
Curb & Gutter	-	-
Trees & Shrubs	15,335.38	12,623.48
Cleaning Drainage Structures	7,958.89	2,688.49
Ditch Clean Out	1,347.85	221.37
Roadside Cleanup	495.13	-
Grass & Weed Control	5,876.52	910.54
Brush Cutting	2,700.35	-
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	-	-
Sweeping & Flushing	770.88	-
Winter Maintenance	26,784.93	24,045.57
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	7,571.91	1,985.56
Engineering Services	541.07	1,382.64
Field Supervision	15,741.92	-
Roadway Inspection	-	-
<b>BCRC Projects</b>	<b>\$ 77,404.68</b>	<b>\$ 3,323.19</b>
<b>Sub-Total of Maint. Expenditures</b>	<b>181,237.74</b>	<b>146,379.28</b>
<b>2017 Original Budget</b>	<b>133,657.48</b>	<b>149,831.00</b>
<b>Budget vs. Actual Costs</b>	<b>\$ (47,580.26)</b>	<b>\$ 3,451.72</b>

# TOWNSHIP MAINTENANCE REPORT

## HAMPTON TOWNSHIP

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

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	-
Blading & Grading	-	2,069.41
Chip & Seal	-	-
AMZ Patching	1,766.15	3,039.84
Seal Blend	-	-
Surface Maintenance	40,630.96	15,927.34
Crack & Joint Sealing	1,508.09	-
Shoulder Maintenance	3,385.54	1,079.70
Curb & Gutter	-	-
Trees & Shrubs	1,904.93	1,326.13
Cleaning Drainage Structures	1,143.75	1,196.76
Ditch Clean Out	-	-
Roadside Cleanup	19,388.75	1,497.13
Grass & Weed Control	9,093.47	2,600.03
Brush Cutting	51.81	52.36
Culvert / Underdrain Maintenance	1,185.99	-
Guard Rail & Post	-	-
Sweeping & Flushing	904.52	424.29
Winter Maintenance	34,649.93	7,419.46
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	46,238.33	13,331.39
Engineering Services	682.02	2,087.06
Field Supervision	30,339.66	3,526.12
Roadway Inspection	1,884.64	-
BCRC Projects	\$ 49,609.49	\$ 85,437.64
Sub-Total of Maint. Expenditures	<b>244,368.03</b>	<b>141,014.66</b>
2017 Original Budget	<b>159,169.00</b>	<b>259,700.00</b>
Budget vs. Actual Costs	\$ (85,199.03)	\$ 118,685.34

# TOWNSHIP MAINTENANCE REPORT

## KAWKAWLIN TOWNSHIP

**PRIMARY      LOCAL**

**MILEAGE:      28.77      50.10**

**DESCRIPTION OF WORK**

Dust Control	\$ -	\$ 4,946.29
Placing Gravel	2,991.90	1,353.31
Blading & Grading	-	17,900.78
Chip & Seal	-	-
AMZ Patching	1,574.50	3,158.74
Seal Blend	-	-
Surface Maintenance	28,961.95	28,963.75
Crack & Joint Sealing	-	-
Shoulder Maintenance	26,211.96	25,569.91
Curb & Gutter	-	-
Trees & Shrubs	9,203.10	4,702.00
Cleaning Drainage Structures	18,615.57	14,168.31
Ditch Clean Out	20,722.27	11,811.44
Roadside Cleanup	3,753.19	1,090.09
Grass & Weed Control	14,026.52	801.77
Brush Cutting	1,623.73	1,773.96
Culvert / Underdrain Maintenance	215.70	-
Guard Rail & Post	-	2,380.50
Sweeping & Flushing	308.79	-
Winter Maintenance	44,996.69	18,631.72
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	39,406.31	13,053.99
Engineering Services	518.60	691.83
Field Supervision	17,980.98	451.69
Roadway Inspection	391.90	-
BCRC Projects	\$ 10,589.76	\$ 20,053.32
Sub-Total of Maint. Expenditures	<b>242,093.42</b>	<b>171,503.40</b>
2017 Original Budget	<b>197,640.01</b>	<b>162,569.00</b>
Budget vs. Actual Costs	\$ (44,453.41)	\$ (8,934.40)

# TOWNSHIP MAINTENANCE REPORT

## MERRITT TOWNSHIP

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

**DESCRIPTION OF WORK**

Dust Control	\$ -	\$ -
Placing Gravel	-	1,056.79
Blading & Grading	-	14,986.75
Chip & Seal	-	561.32
AMZ Patching	7,002.44	2,384.39
Seal Blend	-	-
Surface Maintenance	20,662.29	17,685.59
Crack & Joint Sealing	796.67	-
Shoulder Maintenance	540.76	772.74
Curb & Gutter	-	-
Trees & Shrubs	-	3,085.22
Cleaning Drainage Structures	2,397.07	685.63
Ditch Clean Out	5,420.79	-
Roadside Cleanup	7,695.47	772.30
Grass & Weed Control	11,357.09	4,165.05
Brush Cutting	1,490.61	467.11
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	-	1,605.38
Sweeping & Flushing	-	368.70
Winter Maintenance	26,168.91	8,571.32
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	19,168.55	13,519.32
Engineering Services	707.24	1,160.43
Field Supervision	22,159.10	946.07
Roadway Inspection	488.84	-

BCRC Projects	\$ 12,495.39	\$ 58,691.78
Sub-Total of Maint. Expenditures	<b>138,551.22</b>	<b>131,485.89</b>
2017 Original Budget	<b>133,937.03</b>	<b>180,758.00</b>
Budget vs. Actual Costs	\$ (4,614.19)	\$ 49,272.11

# TOWNSHIP MAINTENANCE REPORT

## MONITOR TOWNSHIP

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

**DESCRIPTION OF WORK**

Dust Control	\$ -	\$ 6,127.79
Placing Gravel	-	219.66
Blading & Grading	-	13,492.47
Chip & Seal	-	-
AMZ Patching	14,357.40	2,319.11
Seal Blend	-	-
Surface Maintenance	17,618.07	20,874.46
Crack & Joint Sealing	230.88	-
Shoulder Maintenance	20,188.39	10,747.68
Curb & Gutter	-	-
Trees & Shrubs	10,408.24	16,656.29
Cleaning Drainage Structures	12,366.18	26,366.37
Ditch Clean Out	5,411.12	2,479.72
Roadside Cleanup	4,499.77	488.79
Grass & Weed Control	19,958.49	1,950.89
Brush Cutting	1,232.72	26.18
Culvert / Underdrain Maintenance	1,463.61	27.67
Guard Rail & Post	7,371.41	-
Sweeping & Flushing	-	-
Winter Maintenance	60,847.56	27,614.48
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	90,992.24	23,263.16
Engineering Services	1,267.50	1,452.41
Field Supervision	17,003.71	-
Roadway Inspection	-	-

BCRC Projects	\$ 113,854.03	\$ 28,325.89
Sub-Total of Maint. Expenditures	<b>399,071.32</b>	<b>182,433.02</b>
2017 Original Budget	<b>381,161.38</b>	<b>241,785.00</b>
Budget vs. Actual Costs	\$ (17,909.94)	\$ 59,351.98

# TOWNSHIP MAINTENANCE REPORT

## MT. FOREST TOWNSHIP

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

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 35,131.98
Placing Gravel	-	6,184.07
Blading & Grading	374.84	57,687.01
Chip & Seal	-	-
AMZ Patching	2,656.59	418.67
Seal Blend	-	-
Surface Maintenance	12,830.62	4,928.53
Crack & Joint Sealing	-	-
Shoulder Maintenance	4,984.32	7,938.77
Curb & Gutter	-	-
Trees & Shrubs	12,018.24	7,423.20
Cleaning Drainage Structures	4,735.34	5,514.68
Ditch Clean Out	2,266.51	-
Roadside Cleanup	730.10	-
Grass & Weed Control	9,756.87	1,427.53
Brush Cutting	2,786.06	1,669.21
Culvert / Underdrain Maintenance	350.27	-
Guard Rail & Post	-	-
Sweeping & Flushing	86.90	-
Winter Maintenance	31,350.19	22,221.55
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	10,169.06	2,671.94
Engineering Services	97.59	276.74
Field Supervision	20,080.48	-
Roadway Inspection	-	-
BCRC Projects	\$ 8,003.46	\$ 6,374.00
Sub-Total of Maint. Expenditures	<b>123,277.44</b>	<b>159,867.88</b>
2017 Original Budget	<b>169,581.82</b>	<b>133,487.00</b>
Budget vs. Actual Costs	\$ 46,304.38	\$ (26,380.88)

# TOWNSHIP MAINTENANCE REPORT

## PINCONNING TOWNSHIP

	<b>PRIMARY</b>	<b>LOCAL</b>
<b>MILEAGE:</b>	28.44	56.33

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ 12,606.90
Placing Gravel	-	6,065.56
Blading & Grading	-	29,916.82
Chip & Seal	-	-
AMZ Patching	1,003.96	-
Seal Blend	-	-
Surface Maintenance	13,709.20	21,314.81
Crack & Joint Sealing	-	-
Shoulder Maintenance	7,124.38	11,887.14
Curb & Gutter	-	-
Trees & Shrubs	8,183.69	6,082.44
Cleaning Drainage Structures	12,409.53	6,553.41
Ditch Clean Out	1,050.15	-
Roadside Cleanup	1,631.53	104.71
Grass & Weed Control	7,696.21	2,984.65
Brush Cutting	2,155.82	1,545.96
Culvert / Underdrain Maintenance	-	-
Guard Rail & Post	146.67	-
Sweeping & Flushing	456.17	-
Winter Maintenance	37,547.01	16,909.09
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	15,531.35	4,215.15
Engineering Services	555.54	887.43
Field Supervision	25,093.90	-
Roadway Inspection	-	-
<b>BCRC Projects</b>	<b>\$ 17,042.05</b>	<b>\$ 37,751.75</b>
<b>Sub-Total of Maint. Expenditures</b>	<b>151,337.16</b>	<b>158,825.82</b>
<b>2017 Original Budget</b>	<b>218,415.65</b>	<b>179,513.00</b>
<b>Budget vs. Actual Costs</b>	<b>\$ 67,078.49</b>	<b>\$ 20,687.18</b>

# TOWNSHIP MAINTENANCE REPORT

## PORTSMOUTH TOWNSHIP

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

### DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	491.03
Blading & Grading	-	-
Chip & Seal	-	-
AMZ Patching	5,140.55	511.51
Seal Blend	-	-
Surface Maintenance	18,262.31	20,252.92
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,086.54	642.09
Curb & Gutter	-	-
Trees & Shrubs	1,602.45	2,407.65
Cleaning Drainage Structures	2,489.12	9,433.68
Ditch Clean Out	3,055.81	258.51
Roadside Cleanup	16,207.52	1,460.21
Grass & Weed Control	14,005.93	3,505.13
Brush Cutting	-	-
Culvert / Underdrain Maintenance	2,033.12	2,373.13
Guard Rail & Post	-	-
Sweeping & Flushing	460.87	261.67
Winter Maintenance	24,074.26	15,101.00
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	36,336.04	11,578.82
Engineering Services	674.30	429.76
Field Supervision	26,040.65	2,483.57
Roadway Inspection	1,883.62	-
BCRC Projects	\$ 32,918.40	\$ 67,280.57
Sub-Total of Maint. Expenditures	<b>190,271.49</b>	<b>138,471.25</b>
2017 Original Budget	<b>138,468.15</b>	<b>126,561.00</b>
Budget vs. Actual Costs	\$ (51,803.34)	\$ (11,910.25)



## 2017 LOCAL CONSTRUCTION

Project #	Road Name	Description	Total Costs

**TOTAL 2017 LOCAL CONSTRUCTION COSTS** **\$0.00**

## 2017 PRIMARY CONSTRUCTION

Project #	Road Name	Description	Total Costs
116002	New Road Engineering Services As Needed		\$930.51

## 2017 PRELIMINARY/DESIGN ENGINEERING PROJECTS

Project #	Road Name	Description	Total Costs

PE- Preliminary/Design Engineering  
 CE - Construction Engineering

**TOTAL 2017 PRIMARY PROJECT COSTS** **\$930.51**

## 2017 LOCAL BRIDGE STRUCTURES

Project #	Description	Total Costs
016051	Countywide Bridge Inspections >20'	\$3,767.99
017109	Ziegler Road Bridge Repair	\$14,926.38

**TOTAL 2017 LOCAL BRIDGE STRUCTURES COSTS      \$18,694.37**

## 2017 PRIMARY BRIDGE STRUCTURES

Project #	Description	Total Costs
114500	Midland Road Bridge Reconstruction	\$2,064.91
117053	Countywide Bridge Inspections >20'	\$4,069.43
117054	Countywide Bridge Inspections >20'	\$6,868.51

**TOTAL 2017 PRIMARY BRIDGE STRUCTURES COSTS      \$13,002.85**



## 2017 LOCAL HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
0150DD	8 Mile	Freeland	Delta	Work w/ others to Improve	\$167,236.76
015203	Old State	Newberg	Alameda Beach	Replace Failed Cross Culvert	\$494.63
016019	Seidlers	8 Mile	7 Mile	Crush & Shape, & Place Aggregate	\$107,549.63
016074	Michigan	Amelith	Freeland	Crush & Shape, & Place Aggregate	\$33,021.09
016202	North Union	Carter	Flajole	Replace Failed Cross Culvert	\$85,328.35
016227	Elevator	Cody Estey	Mount Forest	Replace Failed Cross Culvert	\$1,108.87
017001	Townline 14	Flajole	Bay Mid Line	Replace Failed Cross Culvert	\$4,742.80
017003	9 Mile	Wirbel	Cody Estey	Replace Failed Concrete Bridge	\$301.97
017004	Maida	Pinconning	Maida	Replace Failed Culvert	\$1,032.11
017006	8 Mile	Mount Forest	Cody Estey	Replace Failed Cross Culvert	\$2,710.54
017009	Cottage Grove	I-75	8 Mile	Crush & Shape, & Place Aggregate	\$155,164.94
017010	Boutell	7 Mile	East End	Place Aggregate	\$13,195.21
017011	Wetters	7 Mile	East End	Place Aggregate	\$13,856.73
017012	River	Mackinaw	House #1084	Place Aggregate	\$13,664.02
017017	11 Mile	Wilder	North Union	Crush & Shape, & Place Aggregate	\$56,972.52
017033	Coggins	7 Mile	8 Mile	Crush & Shape, & Place Aggregate	\$41,003.90
017048	Various			Place Aggregate	\$13,833.50
017055	South Euclid	Stone Island	End	Place Aggregate	\$8,399.74
017056	Heriter	Amelith	End	Place Aggregate	\$4,888.09
017070	Newberg	Fraser	Hupfer	Replace Cross Culvert	\$2,476.41
017071	Flajole	Anderson	Linwood	Replace Cross Culvert	\$3,455.60
017072	Heriter	Newberg	End	Crush & Shape, & Place Aggregate	\$9,478.65
017073	Newberg	7 Mile	End	Crush & Shape, & Place Aggregate	\$6,603.57
017074	8 Mile	Newberg	Townline 16	Crush & Shape, & Place Aggregate	\$20,550.72
017075	Erickson	Fraser	End	Crush & Shape, & Place Aggregate	\$10,508.27
017076	Lapan	Shore	Tower Beach	Crush & Shape, & Place Aggregate	\$11,477.41
017077	Wirbel	Maloney	End	Crush & Shape, & Place Aggregate	\$15,990.79
017078	Whitefeather	Shore	End	Crush & Shape, & Place Aggregate	\$26,024.26
017079	Neuman	Fraser	End	Crush & Shape, & Place Aggregate	\$14,776.05
017093	Cody Estey	Maloney	Bay Shore	Place Aggregate	\$21,185.66
017094	Bay Shore	Cody Estey	North	Place Aggregate	\$3,095.41
017117	Bay Mid Line	Anderson	End	Place Aggregate	\$25,187.17
017124	DNR Roadway	Killarney Beach	End	Place Aggregate	\$8,705.78
017126	Stevenson	Garfield	9 Mile	Place Aggregate	\$16,961.97
017127	Jerore	Saganing	Standish	Place Aggregate	\$20,535.91
017128	Saunders	Stevenson	Bay Areanac	Place Aggregate	\$9,514.98
017129	Various			Place Aggregate	\$1,595.87
017130	Carter	Erickson	Newberg	Place Aggregate	\$18,534.93
017131	Newberg	Carter	Flajole	Place Aggregate	\$14,605.58
017132	Townline 16	Flajole	Garfield	Place Aggregate	\$73,106.13
017134	Bay Sag Line	Jones	Knight	Crush & Shape, & Place Aggregate	\$19,664.63

**TOTAL 2017 LOCAL HEAVY MAINT. COSTS**

**\$1,078,541.15**

## **2017 PRIMARY CHIP SEAL**

<b>Project #</b>	<b>Road Name</b>	<b>From Location</b>	<b>To Location</b>	<b>Description</b>	<b>Total Costs</b>
117005	7 Mile	Salzburg	Freeland	Single Seal	\$67,978.83
117007	Mackinaw	Midland	Wilder	Single Seal	\$16,901.14
117008	Standish	Whitefeather	M-61	Single Seal	\$77,404.68
117025	Borton	Knight	City Limits	Single Seal	\$35,589.14
117028	Hotchkiss	3 Mile	Fraser	Single Seal	\$51,696.93
117029	Kiesel	M-13	2 Mile	Single Seal	\$15,413.11
117030	Pinconning	8 Mile	9 Mile	Single Seal	\$12,826.52
117032	Wheeler	Mackinaw	7 Mile	Single Seal	\$29,649.92
117042	Garfield	Wheeler	Beaver	Single Seal	\$25,132.75

**TOTAL 2017 PRIMARY CHIP SEAL COSTS**

**\$332,593.02**

## 2017 LOCAL CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
017008	Fraser	Salzburg	US-10	Double Seal	\$26,540.60
017015	Townline 14	Flajole	Bay Mid Line	Single Seal	\$17,212.24
017027	Townline 16	Fraser	Hupter	Single Seal	\$9,467.41
017028	Newberg	M-13	Mackinaw	Single Seal	\$13,097.09
017029	Kaiser Tower	Linwood	Newberg	Single Seal	\$66,813.59
017030	Old State	Erickson	Coggins	Single Seal	\$5,691.87
017031	Erickson	Mackinaw	Fraser	Single Seal	\$4,810.25
017032	Newberg	Mackinaw	I-75	Double Seal	\$59,541.04
017034	Finn	Youngs Ditch	Center	Single Seal	\$10,564.75
017035	Hampton	Farley	Callahan	Single Seal	\$10,311.59
017036	Arms	Boutell	Jones	Single Seal	\$5,938.03
017044	Finn	M-138	Kinney	Single Seal	\$25,998.32
017045	Colberg	Brown	Kinney	Single Seal	\$10,689.66
017046	Brown	M-15	Jones	Single Seal	\$8,460.25
017047	Briggs	M-138	Russell	Single Seal	\$13,543.55
017049	4 Mile	Hotchkiss	Delta	Single Seal	\$19,551.74
017050	Fraser	Delta	Hotchkiss	Single Seal	\$8,392.19
017051	Amelith	Mackinaw	Fraser	Single Seal	\$13,032.43
017052	Brandon	Matthew	Kara	Single Seal	\$7,960.38
017053	Blake	Kara	Ryan	Single Seal	\$3,676.32
017060	Zachary	Matthew	Kara	Single Seal	\$3,676.32
017061	Blake	Matthew	Kara	Single Seal	\$3,743.13
017062	Matthew	West Side Saginaw	Kara	Single Seal	\$8,087.31
017063	Kara	Matthew	West Side Sag.	Single Seal	\$3,676.32
017064	S Ryan	Blake	E Ryan	Single Seal	\$3,676.32
017065	W Ryan	S Ryan	N Ryan	Single Seal	\$3,966.22
017066	N Ryan	W Ryan	E Ryan	Single Seal	\$3,676.32
017067	E Ryan	N Ryan	S Ryan	Single Seal	\$3,937.79
017086	Trumbull	Bullock	Cass	Single Seal	\$19,401.15
017087	Green	Bullock	Munger	Single Seal	\$22,855.57
017088	Finn	Youngs Ditch	Cass	Single Seal	\$12,279.68
017089	Wagner	Cass	German	Single Seal	\$12,168.22
017095	Mount Forest	Mackinaw	Fraser	Double Seal	\$29,520.67
017096	Neuman	7 Mile	8 Mile	Single Seal	\$321.05
017097	Bond	River	Schmidt	Single Seal	\$4,023.32
017098	Schmidt	Bond	M-13	Single Seal	\$9,806.84
017099	Mosher	Beaver	Seidlers	Single Seal	\$5,192.01
017114	Kitchen	8 Mile	9 Mile	Single Seal	\$10,638.84
017115	Kitchen	Garfield	11 Mile	Single Seal	\$2,512.09
017116	Anderson	Garfield	9 Mile	Single Seal	\$10,675.32
017119	Lauria	Flajole	End	Single Seal	\$9,856.14
017120	Maida	Boutell	End	Single Seal	\$4,141.18
017121	River	Flajole	Bay Mid Line	Single Seal	\$11,772.32
017122	Seidlers	9 Mile	8 Mile	Single Seal	\$11,544.80

**TOTAL 2017 LOCAL CHIP SEAL COSTS**

**\$552,442.23**