

BAY COUNTY ROAD COMMISSION 2021

One Hundred and Twenty-Second

ANNUAL REPORT



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Engineer-Manager's Report

Attached is the 121st 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 2021, including revenues and expenditures realized during the 2020 fiscal year. Please see Exhibit A on Page 2 of this report for specific accounting information.

Operationally, 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, rebounded in 2021, as the COVID pandemic subsided. Revenues from the MTF increased by approximately \$1.10 million from 2020. Of the 17.9 miles of asphalt road rehabilitation scheduled for 2021, 13.4 miles were completed, 4.50 miles being moved to 2022 due to scheduling conflicts. Three major bridges were either rehabilitated or replaced in 2021, resulting in \$1.66 million in construction. Hopefully, MTF revenues continue to increase in 2022 and we are able to fund and complete road and bridge improvement projects in accordance with our Road and Bridge Asset Management Plans. We continue to make significant strides in our ability to properly maintain and improve the overall transportation system. Further, the BCRC was able to maintain its equipment replacement schedule, despite the reduction in revenue. However, we do expect longer lead times to receive purchased equipment, as the supply chain has not yet recovered to pre-COVID levels.

Our staff continues to receive compliments for their maintenance efforts throughout Bay County. BCRC crews, which provide snow plowing, concrete highway repair/patching, drainage repair, 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 also regularly heard during Board meetings, from many of the Township officials. Our commitment to Bay County's motoring public remains strong.

BCRC staff continue to complete in-house engineering design for BCRC and MDOT/Federal-Aid projects. Further, our construction engineering staff continue to complete the inspection and administrative duties associated with BCRC and MDOT/Federal-Aid road, bridge and drainage construction projects. In both cases, the use of BCRC employees, result in substantial savings to the BCRC. We expect these practices to continue in 2022 and beyond.

We enter 2022 with a substantial list of project needs. This is the first year MTF revenues will only increase via an inflationary formula, in accordance with the road funding legislation passed in 2016. The 4.50 miles of road construction delayed in 2021, are included in the Board approved 2022 budget. The 2022 budget includes 18.3 miles of hard-surface paving, the replacement of one bridge and four large culverts.

The BCRC's 10-Year Road Asset Management Plan is due in 2022. This plan will be crucial in guiding this agency to identify the "right fix, at the right time" for its roads and bridges. 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 cost-effectively use the revenues we receive and provide the best possible road and bridge system for Bay County.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "James C. Lillo".

James C. Lillo, P.E.
Engineer-Manager
July 11, 2022

EXHIBIT A

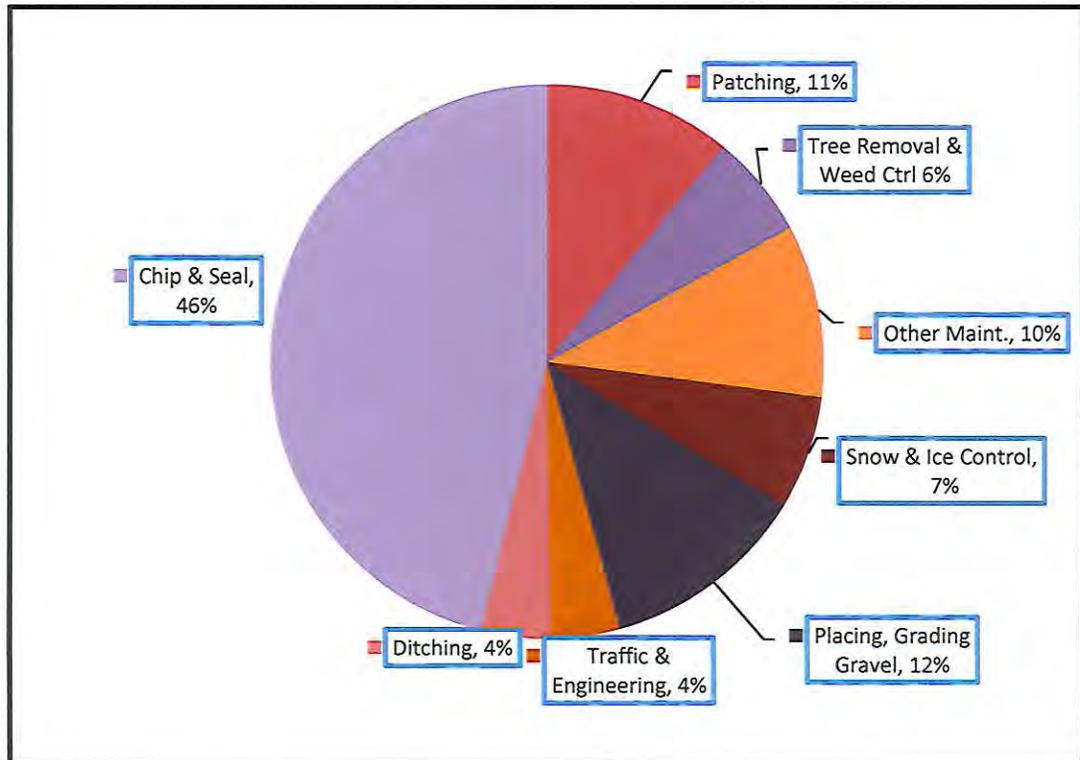
Bay County Residents:	101,974
Road Commission Employees:	53
Commissioners:	3
 Townships served:	 14
Bangor	Kawkawlin
Beaver	Merritt
Frankenlust	Monitor
Fraser	Mt. Forest
Garfield	Pinconning
Gibson	Portsmouth
Hampton	Williams

Total Revenue	\$21,609,277
MI Transportation Fund (MTF)	\$14,177,173
Federal Revenue	\$2,202,190
State Trunkline/Other	\$2,159,029
Township Contributions	\$1,823,812
Miles of 2021 Hvy Maint. Projects	37.28
Miles of Chip/Seal Projects	68.71
Building Better Local Road Used	\$240,000
Primary Heavy Maint. Projects	\$1,969,375
Local Heavy Maint. Projects	\$34,867
Bridge Inspections	\$31,960
Tons of Salt Used	9,137

Expense Categories for Local Road Maintenance:

	<u>% of Total</u>	<u>Amount for 2021</u>
Patching	11%	\$480,892
Tree Removal & Weed Control	6%	264,086
Other Maint.	10%	434,443
Snow & Ice Control (8% in 2020)	7%	287,871
Placing, Grading Gravel	12%	523,924
Traffic & Engineering	4%	173,662
Ditching	4%	179,056
Chip & Seal (47% in 2020)	<u>46%</u>	<u>2,005,468</u>
Total	100%	<u>\$4,349,402</u>

Total Miles of Road	1,034
Miles of Primary Road	371
Miles of Local Road	663
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 2021 MTF equaled \$12.6 million. The Board holds regularly scheduled public meetings, one every two weeks, to communicate with township officials and county residents on a variety of road, bridge and safety issues.



WILLIAM E.
SCHUMACHER
Chairman

Mr. William (Bill) Schumacher has been on the Board since 2019, a commissioner in 2019, Vice-Chairman in 2020 and, in 2021, was elected Chairman. Mr. Schumacher graduated from Delta College and was a former Trustee in Merritt Township.

ELECTED TERM
2019 - 2024



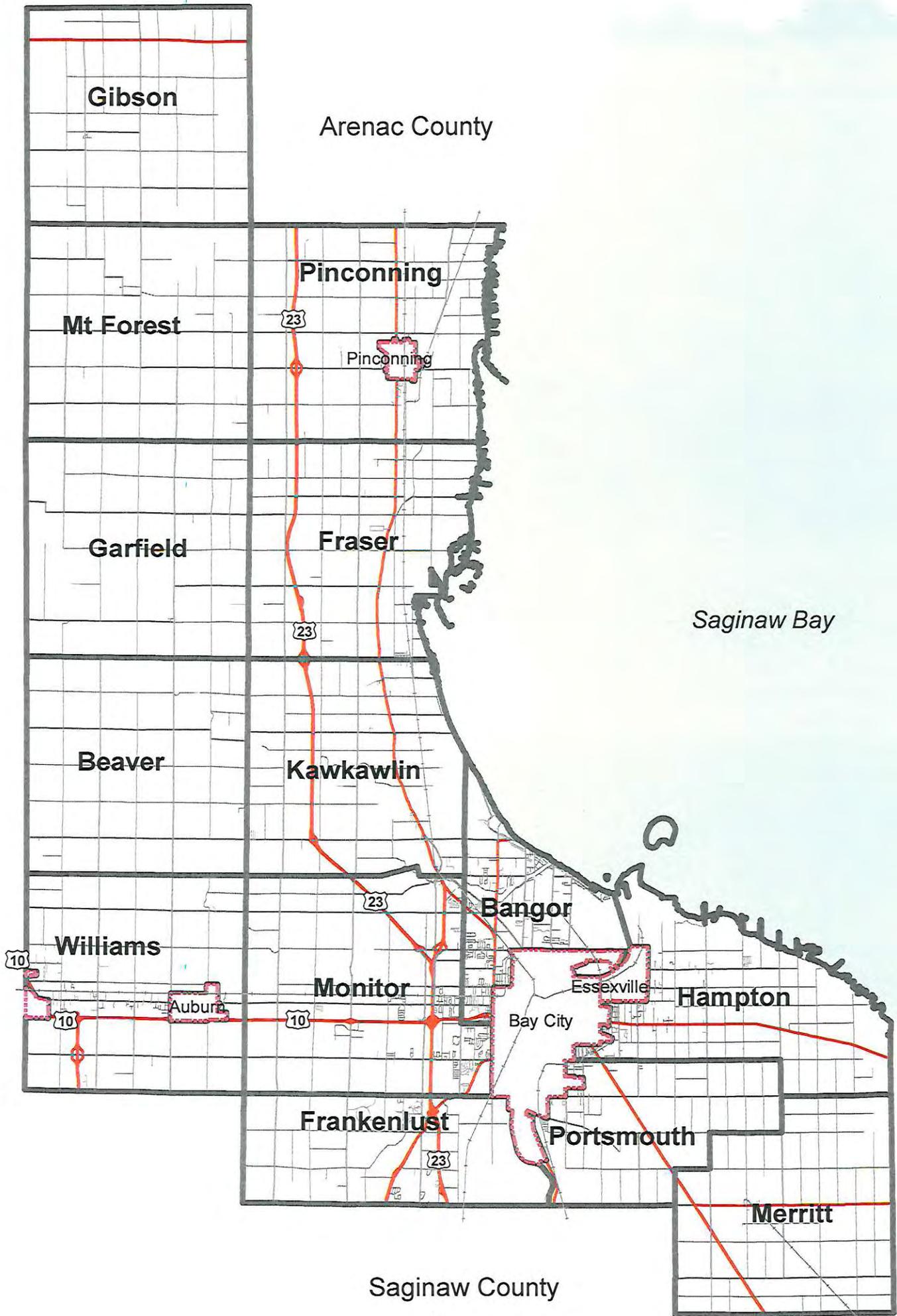
WILLIAM A. JORDAN
Vice-Chairman

ELECTED TERM
2021 - 2026

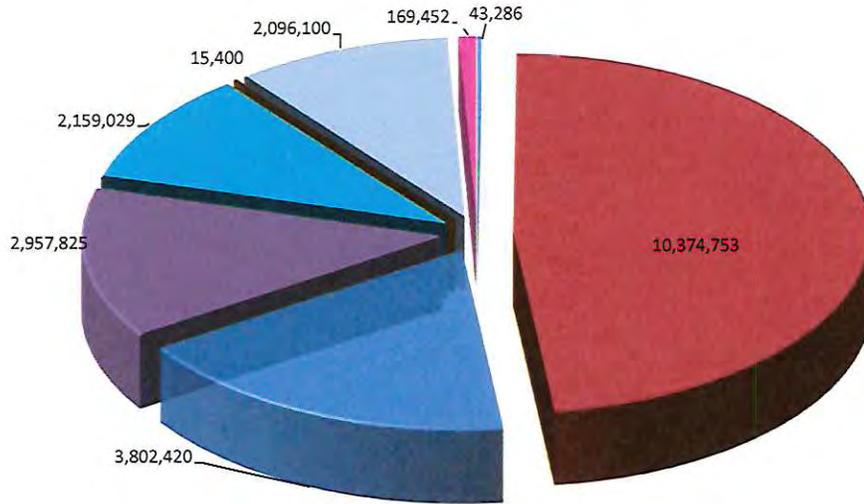


JACOB D. HILLIKER
Commissioner

COUNTY BOARD
APPROVED
TERM
2021 - 2022

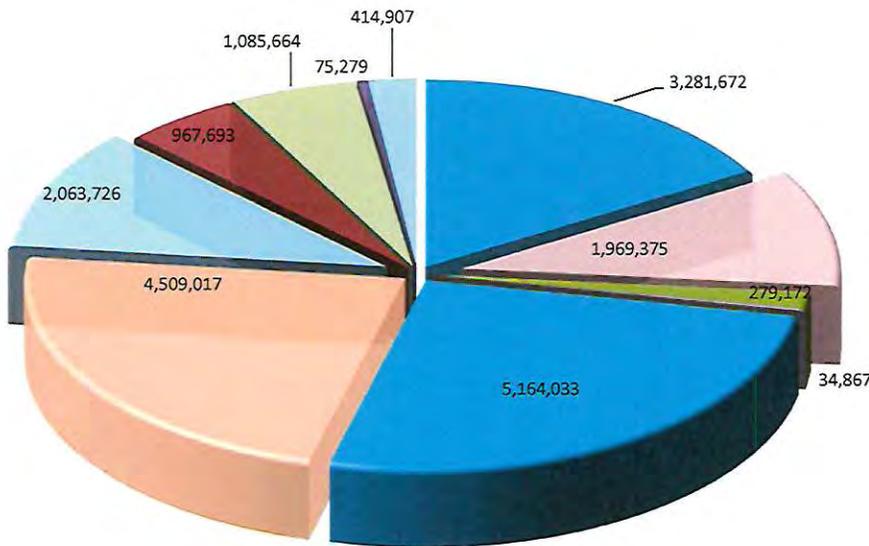


REVENUES



- INTEREST EARNED- \$ 34,298 0.2%
- MTF PRIMARY- \$ 10,374,753 48.0%
- MTF LOCAL- \$ 3,802,420 17.5%
- STATE & FED. GRANTS- \$ 2,957,825 13.7%
- STATE TRUNKLINES- \$ 2,159,029 10.0%
- GAIN ON DISPOSAL- \$ 15,400 0.1%
- LOCALLY RAISED FUNDS- \$ 2,096,100 9.7%
- PERMITS, ROYALTIES, MISC.- \$ 169,452 0.8%

EXPENSES



- HEAVY MAINT. PRIMARY - \$ 3,281,672 16.5%
- BRIDGES PRIMARY - \$ 1,969,375 9.9%
- HEAVY MAINT. LOCAL- \$ 279,172 1.4%
- BRIDGES LOCAL - \$ 34,867 0.2%
- ROUTINE MAINT. PRIMARY - \$ 5,164,033 26%
- ROUTINE MAINT. LOCAL- \$ 4,509,017 22.7%
- STATE TRUNKLINE MAINT. - \$ 2,063,716 10.4%
- ADMINISTRATION - \$ 967,693 4.9%
- OTHER - \$ 1,085,664 5.5%
- CAPITAL OUTLAY-NET - \$ 75,279 0.4%
- EQUIPMENT EXPENSE- \$ 414,907 2.1%

**BAY COUNTY ROAD COMMISSION
COMBINED BALANCE SHEET
ALL FUND TYPES AND ACCOUNT GROUPS
DECEMBER 31, 2021**

	<u>General Operating</u>
ASSETS	
Cash and Cash Equivalents-	
On Deposit with Banks	\$ 153,062
On Deposit with County Treasurer	4,409,654
State Motor Transportation Funds	2,549,652
State Trunkline Maintenance	294,966
State Transportation Dept.-Other	192
Township Road Agreements	43,497
Due from County General Fund	-
Accounts Receivable	30,244
Inventories - Road Materials	883,032
- Equipment Parts and Materials	251,636
Prepaid Expenses	91,868
Interest Receivable	7,502
Deferred Federal Aid	-
Fixed Assets Net of Accumulated Depreciation	-
Amount to be Provided for Retirement of General Long-Term Debt	-
 Total Assets	 <u><u>\$ 8,715,305</u></u>
LIABILITIES AND FUND EQUITY	
<u>Liabilities:</u>	
Accounts Payable	572,968
Notes Payable - Short Term	-
Accrued Liabilities	130,604
Deferred Revenue	-
Advances from State	499,435
Other Liabilities	15,000
Accrued Sick Leave & Vacation	-
Total Liabilities	1,218,007
<u>Fund Equity:</u>	
Investment in General Fixed Assets	-
Fund Balance:	
Primary	1,641,896
Local	4,664,363
County Road	1,191,039
Total Fund Balances	7,497,298
 Total Liabilities and Fund Equity	 <u><u>\$ 8,715,305</u></u>

Account Groups		Total (Memo Only)
Fixed Assets	Long-Term Debt	December 31, 2021
\$ -	\$ -	\$ 153,062
-	-	4,409,654
-	-	2,549,652
-	-	294,966
-	-	192
-	-	43,497
-	-	-
-	-	30,244
-	-	883,032
-	-	251,636
-	-	91,868
-	-	7,502
-	-	-
3,421,578	-	3,421,578
-	2,976,676	2,976,676
-	-	-
<u>\$ 3,421,578</u>	<u>\$ 2,976,676</u>	<u>\$ 15,113,559</u>
\$ -	\$ -	\$ 572,968
-	-	-
-	-	130,604
-	-	-
-	-	499,435
-	-	15,000
-	2,976,676	2,976,676
-	2,976,676	4,194,683
-	-	-
3,421,578	-	3,421,578
-	-	-
-	-	1,641,896
-	-	4,664,363
-	-	1,191,039
-	-	-
-	-	-
<u>\$ 3,421,578</u>	<u>\$ 2,976,676</u>	<u>15,113,559</u>

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2021

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	\$ 10,374,753	\$ 3,802,420	\$ -	\$ 14,177,173
State Other Funding	755,635	-	-	755,635
Federal Revenue	2,202,190	-	-	2,202,190
County Raised Revenue	-	2,096,100	-	2,096,100
State Trunkline	-	-	2,159,029	2,159,029
Gain on Disposal of Equipment	-	-	15,400	15,400
Interest Earned	2,824	24,107	7,367	34,298
Miscellaneous Revenue	38,022	17,127	114,303	169,452
Other - Drain Agreements	-	-	-	-
Total Revenue	<u>\$ 13,373,424</u>	<u>\$ 5,939,754</u>	<u>\$ 2,296,099</u>	<u>\$ 21,609,277</u>
<u>Expenditures</u>				
Construction	\$ -	\$ -	\$ -	\$ -
Heavy Maintenance	3,281,672	279,172	-	3,560,844
Heavy Maint. Structures	1,969,375	34,867	-	2,004,242
Routine Maintenance	5,164,033	4,509,017	-	9,673,050
Administrative	661,406	306,287	-	967,693
State Trunkline	-	-	2,063,726	2,063,726
Equipment Account	143,506	176,209	95,192	414,907
Other	432,800	-	33,898	466,698
Total Operating Expenditures	<u>\$ 11,652,792</u>	<u>\$ 5,305,552</u>	<u>\$ 2,192,816</u>	<u>\$ 19,151,160</u>
<u>Non-Operating Expenditures</u>				
Net Capital Outlay	-	-	75,279	75,279
Debt Principal Payment	550,486	-	-	550,486
Interest Expense	-	-	68,480	68,480
Total Expenditures	<u>\$ 12,203,278</u>	<u>\$ 5,305,552</u>	<u>\$ 2,336,575</u>	<u>\$ 19,845,405</u>
Increase (Decrease) In Available Operating Fund	1,170,146	634,202	(40,476)	\$ 1,763,872
Beginning Fund Balance 01/01/21	\$ 1,153,510	\$ 4,030,160	\$ 549,756	\$ 5,733,426
Adjustment to Fund Balance	\$ (681,760)	-	\$ 681,760	-
Intra-Fund Transfer	-	-	-	-
Ending Balance 12/31/21	<u>\$ 1,641,896</u>	<u>\$ 4,664,362</u>	<u>\$ 1,191,040</u>	<u>\$ 7,497,298</u>

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2021

STATEMENT OF REVENUES

Calendar Years 2021-2018

	2021	2020	2019	2018
<u>Michigan Transportation Fund</u>				
County Primary Road Fund	\$10,374,753	\$9,219,193	\$9,186,440	\$8,225,054
County Local Road Fund	3,802,420	3,423,236	3,407,747	3,070,009
Total MTF	14,177,173	12,642,429	12,594,187	11,295,063
<u>State Grants</u>				
Other State Funding PA 252	-	-	-	2,611,885
State Bridge, Tire Grant and other	755,635	238,111	763,557	-
Total State Grants	755,635	238,111	763,557	2,611,885
<u>Federal Aid Revenue</u>				
Surface Tran. Program (STP)	2,202,190	3,319,795	1,873,829	1,081,633
Total Federal Aid Revenue	2,202,190	3,319,795	1,873,829	1,081,633
<u>County Raised Revenue</u>				
City & Village Contributions	-	-	-	-
Township Contributions	1,823,812	2,374,166	2,238,526	1,476,400
Other Contributions	272,288	128,356	253,992	149,908
Total County Raised Revenue	2,096,100	2,502,522	2,492,518	1,626,308
Trunkline Maintenance	2,157,660	2,031,915	1,424,005	1,347,279
Trunkline Non-Maintenance	1,369	1,884	78,515	64,179
<u>Miscellaneous Revenue</u>				
Permit Fees	117,094	126,457	102,552	94,113
Salvage Sales	12,572	2,358	4,750	7,708
Interest Earned	34,298	43,286	125,425	97,174
Royalty Revenue	-	-	-	488
Sundry Refunds	309	279	332	534
Land & Building Sales	-	-	-	-
Gain on Disposal of Equipment	15,400	16,909	6,500	90,105
Drain Agreements	0	2,925,000	-	-
Other Revenues	39,477	47,763	409,929	92,475
Total Miscellaneous Revenue	219,150	3,162,052	649,488	382,597
Total Revenue	\$21,609,277	\$23,898,708	\$19,876,099	\$18,408,944

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2021

Statement of Expenditures

Calendar Years 2021-2018

	2021	2020	2019	2018
<u>Operating Expenditures</u>				
<u>Construction</u>				
Primary Road System	-	\$8,145	\$1,026,555	\$24,319
Local Road System	-	-	-	-
Total Construction	-	8,145	1,026,555	24,319
<u>Heavy Maintenance</u>				
Primary Road System	3,281,672	10,783,842	7,086,335	5,813,065
Primary Bridge & Structures	1,969,375	1,348,905	23,164	39,781
Total Primary Heavy Maintenance	5,251,047	12,132,747	7,109,499	5,852,846
Local Road System	279,172	721,662	1,835,065	555,795
Local Bridge & Structures	34,867	15,253	25,298	13,266
Total Local Heavy Maintenance	314,039	736,915	1,860,363	569,061
Total Heavy Maintenance	5,565,086	12,869,662	8,969,862	6,421,907
<u>Routine Maintenance</u>				
Primary Road System	3,966,262	2,417,496	2,604,127	2,542,418
Snow Removal and Ice Control	777,871	574,280	764,773	674,880
Traffic Control	419,900	398,237	437,371	463,891
Total Primary Maintenance	5,164,033	3,390,013	3,806,271	3,681,189
Local Road System	4,088,692	3,049,111	2,565,157	2,501,336
Snow Removal and Ice Control	287,871	268,439	376,795	233,997
Traffic Control	132,454	151,046	169,003	179,815
Total Local Maintenance	4,509,017	3,468,596	3,110,955	2,915,148
Total Routine Maintenance	9,673,050	6,858,609	6,917,226	6,596,337
Administrative Expense	967,693	958,931	1,006,266	973,376
State Trunkline Maintenance	2,062,361	2,034,935	1,430,717	1,392,680
State Trunkline Non-Maintenance	1,365	1,884	78,515	64,179

STATEMENT OF REVENUES AND EXPENDITURES
Year Ended December 31, 2021

Statement of Expenditures

Calendar Years 2021-2018

	2021	2020	2019	2018
<u>Equipment Expense</u>				
*Direct Expense	1,610,864	1,515,438	1,471,423	1,151,939
*Indirect Expense	845,773	868,296	932,000	828,977
*Operating Expense	320,078	185,612	332,891	362,212
Total Equipment Expense	<u>2,776,715</u>	<u>2,569,346</u>	<u>2,736,314</u>	<u>2,343,128</u>
*Credit to Equipment Expense	(2,361,808)	(1,892,406)	(2,235,859)	(2,049,617)
Net Equipment Expense	<u>414,907</u>	<u>676,940</u>	<u>500,455</u>	<u>293,511</u>
Total Operating Expenditures	\$ 18,684,462	\$ 23,409,106	\$ 19,929,596	\$ 15,766,309
<u>Non-Operating Expenditures</u>				
<u>Capital Outlay</u>				
Land	\$ -	\$ -	\$ -	\$ 7,735
Buildings	49,233	6,759	81,652	125,189
Road Equipment	987,564	933,386	764,006	979,864
Shop, Engineers, & Office Equipment	-	-	-	7,996
Yards & Storage	-	-	-	-
Equipment Retirement	-	(8,991)	-	-
Depletable Assets	-	-	360,000	-
Depreciation and Depletion	(961,518)	(898,799)	(878,135)	(656,142)
Net Capital Outlay	<u>75,279</u>	<u>32,355</u>	<u>327,523</u>	<u>464,642</u>
Debt Principal Payment	550,486	324,286	0	0
Other Expense	466,698	1,205,111	944,669	399,374
Interest Expense	68,480	24,000	0	0
Total Expenditures	<u>\$ 19,845,405</u>	<u>\$ 24,994,858</u>	<u>\$ 21,201,788</u>	<u>\$ 16,630,325</u>

*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.

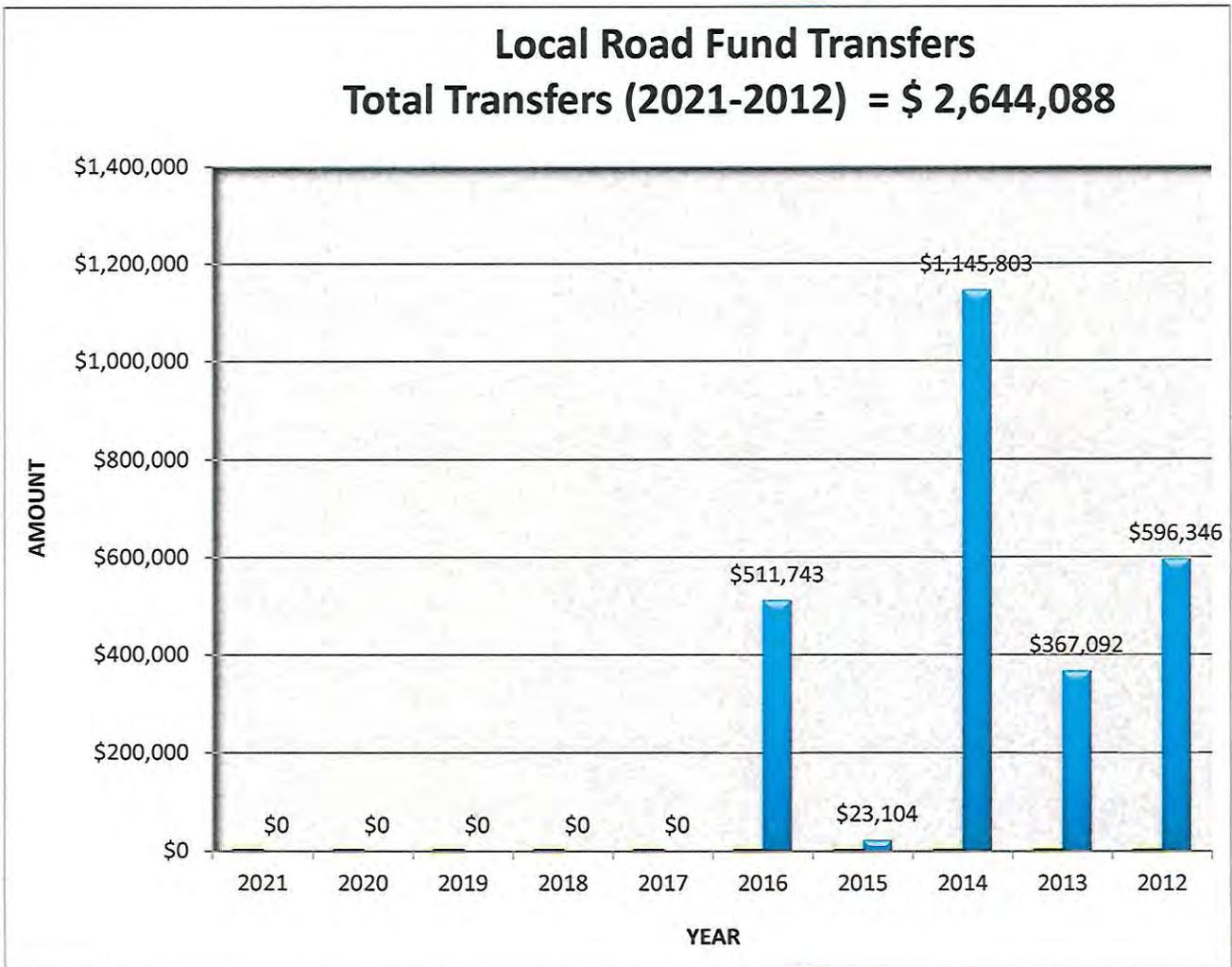
*Operating Expense-Gasoline, diesel, oil, grease, and anti-freeze.

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

STATEMENT OF CHANGES IN FUND BALANCE

Calendar Years 2021-2018

	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Total Revenues	\$ 21,609,277	\$ 23,898,708	\$ 19,876,099	\$ 18,408,944
Total Expenditures	\$ 19,845,405	\$ 24,994,858	\$ 21,201,788	\$ 16,630,325
Excess of Revenue Over (Under) Expenditures	<u>\$ 1,763,872</u>	<u>\$ (1,096,150)</u>	<u>\$ (1,325,689)</u>	<u>\$ 1,778,619</u>
Fund Equity - January 1	\$ 4,753,925	\$ 5,850,075	\$ 7,175,764	\$ 5,397,145
Adjustment	\$ -	\$ -	\$ -	\$ -
Fund Equity - December 31	<u>\$ 6,517,797</u>	<u>\$ 4,753,925</u>	<u>\$ 5,850,075</u>	<u>\$ 7,175,764</u>



BAY COUNTY ROAD COMMISSION

2021 - 2018

TOWNSHIP PAYMENTS

PAID CONTRIBUTIONS ON ROAD AGREEMENTS				
TOWNSHIP	2021	2020	2019	2018
BANGOR	360,025	355,629	316,049	3,053
BEAVER	153,048	154,996	186,935	139,751
FRANKENLUST	132,741	189,806	343,660	172,373
FRASER	201,461	125,718	182,294	199,926
GARFIELD	120,640	84,523	91,061	73,698
GIBSON	50,276	78,296	68,543	46,115
HAMPTON	152,897	92,234	378,237	61,138
KAWKAWLIN	57,053	408,256	89,689	139,954
MERRITT	154,878	91,826	110,026	51,459
MONITOR	1,666	161,134	106,499	61,247
MT. FOREST	95,777	24,501	64,922	41,806
PINCONNING	102,637	9,199	83,035	127,052
PORTSMOUTH	170,175	141,773	89,685	129,287
WILLIAMS	70,538	456,275	127,891	229,541
TOTALS	\$1,823,812	\$2,374,166	\$2,238,526	\$1,476,400

TOWNSHIP MAINTENANCE REPORT

MILEAGE: 370.62 663.12

PRIMARY LOCAL

Bangor Township	\$1,004,931.22	\$581,653.70
Beaver Township	\$319,703.84	\$453,788.16
Frankenlust Township	\$288,718.34	\$269,791.96
Fraser Township	\$124,065.28	\$353,456.76
Garfield Township	\$189,281.19	\$295,547.70
Gibson Township	\$270,321.29	\$244,083.63
Hampton Township	\$296,053.35	\$351,545.27
Kawkawlin Township	\$919,175.16	\$183,893.87
Merritt Township	\$160,243.55	\$252,723.58
Monitor Township	\$686,516.17	\$190,513.40
Mt. Forest Township	\$294,956.04	\$278,299.89
Pinconning Township	\$157,539.24	\$218,329.83
Portsmouth Township	\$175,867.56	\$341,329.34
Williams Township	\$276,660.55	\$334,445.39

Total Maintenance Expenditures \$ **5,164,032.78** **4,349,402.48**

2021 Original Budget \$ **3,854,575.00** **3,342,253.00**

Budget vs. Actual Costs \$ (1,309,457.78) (1,007,149.48)

Per above	4,349,402.48
City of Auburn Project	159,614.68
Total Of Maintenance Expenditures	<u>4,509,017.16</u>

TOWNSHIP MAINTENANCE REPORT

ALL TOWNSHIPS

PRIMARY LOCAL

MILEAGE: 370.62 663.12

DESCRIPTION OF WORK

Dust Control	\$17,757.74	\$133,541.88
Placing Gravel	\$10,249.73	\$92,598.40
Blading & Grading	\$844.35	\$297,784.01
Chip & Seal	\$4,699.91	\$37,949.43
AMZ Patching	\$28,175.60	\$161,840.31
Seal Blend	\$0.00	\$0.00
Surface Maintenance	\$362,917.24	\$319,051.46
Crack & Joint Sealing	\$8,431.55	\$30,842.40
Shoulder Maintenance	\$123,164.35	\$89,625.22
Curb & Gutter	\$21,266.77	\$0.00
Trees & Shrubs	\$92,813.20	\$226,344.94
Drainage & Backslope	\$76,020.34	\$101,829.40
Ditch Clean Out	\$129,329.43	\$77,226.57
Roadside Cleanup	\$9,419.85	\$3,559.15
Grass & Weed Control	\$228,607.18	\$37,740.98
Brush Cutting	\$24,822.80	\$49,944.54
Culvert / Underdrain Maintenance	\$99,447.78	\$249,652.48
Guard Rail & Post	\$29,085.13	\$4,899.40
Sweeping & Flushing	\$15,298.92	\$1,162.81
Winter Maintenance	\$777,870.45	\$287,871.18
Winter Maintenance Patrol	\$0.00	\$0.00
Bridge Structures	\$0.00	\$1,042.25
Traffic Signs	\$419,900.27	\$132,454.39
Engineering Services	\$17,013.48	\$0.00
Field Supervision	\$256,641.40	\$41,208.03
Roadway Inspection	\$553.84	\$0.00
Emergency Response	\$8,485.47	\$3,714.54
BCRC Projects	\$2,401,216.00	\$1,967,518.71
Sub-Total of Maint. Expenditures	5,164,032.78	4,349,402.48
2021 Original Budget	3,854,575.00	2,987,253.00
Countywide - Any Township & Turn Back to Gravel		<u>355,000.00</u>
		3,342,253.00
Budget vs. Actual Costs	(1,309,457.78)	(1,007,149.48)

TOWNSHIP MAINTENANCE REPORT

BANGOR TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 31.4 43.59

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	600.77
Blading & Grading	-	1,065.12
Chip & Seal	-	4,376.78
AMZ Patching	5,709.30	25,499.75
Seal Blend	-	-
Surface Maintenance	82,046.55	29,516.50
Crack & Joint Sealing	2,226.04	-
Shoulder Maintenance	8,105.99	-
Curb & Gutter	-	-
Trees & Shrubs	13,751.75	10,700.96
Cleaning Drainage Structures	14,248.90	50,101.05
Ditch Clean Out	7,709.84	11,607.56
Roadside Cleanup	1,371.73	265.94
Grass & Weed Control	14,641.85	1,872.91
Brush Cutting	2,260.06	2,241.30
Culvert / Underdrain Maintenance	9,412.76	30,809.47
Guard Rail & Post	-	459.56
Sweeping & Flushing	9,686.71	649.69
Winter Maintenance	116,692.95	29,331.26
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	95,751.81	12,499.22
Engineering Services	4,712.27	-
Field Supervision	28,333.60	-
Roadway Inspection	-	-
Emergency Response	1,687.20	-
BCRC Projects	\$ 586,581.91	\$ 370,055.86
Sub-Total of Maint. Expenditures	1,004,931.22	581,653.70
2021 Original Budget	551,405.00	234,057.00
Budget vs. Actual Costs	\$ (453,526.22)	\$ (347,596.70)

TOWNSHIP MAINTENANCE REPORT

BEAVER TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 24.18 44.81

DESCRIPTION OF WORK

Dust Control	\$ -	\$ -
Placing Gravel	-	587.32
Blading & Grading	-	-
Chip & Seal	-	6,557.48
AMZ Patching	15,171.32	37,819.47
Seal Blend	-	-
Surface Maintenance	60,172.88	27,972.41
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,076.62	3,631.84
Curb & Gutter	-	-
Trees & Shrubs	13,496.77	19,941.81
Cleaning Drainage Structures	2,086.94	1,476.25
Ditch Clean Out	5,196.97	8,533.65
Roadside Cleanup	-	-
Grass & Weed Control	10,148.02	2,028.21
Brush Cutting	298.51	3,582.13
Culvert / Underdrain Maintenance	10,969.39	61,751.35
Guard Rail & Post	6,852.80	-
Sweeping & Flushing	-	-
Winter Maintenance	50,538.97	15,750.42
Winter Maintenance Patrol	-	-
Bridge Structures	-	1,042.25
Traffic Signs	15,964.75	6,894.59
Engineering Services	-	-
Field Supervision	14,939.58	-
Roadway Inspection	-	-
Emergency Response	295.26	295.26
BCRC Projects	\$ 108,495.06	\$ 255,923.72
Sub-Total of Maint. Expenditures	319,703.84	453,788.16
2021 Original Budget	279,014.00	166,160.00
Budget vs. Actual Costs	\$ (40,689.84)	\$ (287,628.16)

TOWNSHIP MAINTENANCE REPORT

FRASER TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	28.39	57.62

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 4,457.00
Placing Gravel	604.86	4,186.04
Blading & Grading	-	8,617.59
Chip & Seal	476.90	24,685.11
AMZ Patching	-	15,802.52
Seal Blend	-	-
Surface Maintenance	17,481.12	27,107.73
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,618.83	746.90
Curb & Gutter	-	-
Trees & Shrubs	1,989.76	18,658.95
Cleaning Drainage Structures	2,031.92	5,264.28
Ditch Clean Out	2,799.30	3,516.23
Roadside Cleanup	295.31	306.37
Grass & Weed Control	16,527.75	762.60
Brush Cutting	3,934.51	899.40
Culvert / Underdrain Maintenance	3,040.71	7,657.47
Guard Rail & Post	-	332.54
Sweeping & Flushing	-	215.86
Winter Maintenance	35,257.37	13,728.15
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	9,601.93	8,009.35
Engineering Services		-
Field Supervision	23,892.71	-
Roadway Inspection	-	-
Emergency Response	512.30	168.93
BCRC Projects	\$ -	\$ 208,333.74
Sub-Total of Maint. Expenditures	124,065.28	353,456.76
2021 Original Budget	227,335.00	233,941.00
Budget vs. Actual Costs	\$ 103,269.72	\$ (119,515.76)

TOWNSHIP MAINTENANCE REPORT

GARFIELD TOWNSHIP

PRIMARY **LOCAL**
MILEAGE: 24.5 41.59

DESCRIPTION OF WORK

Dust Control	\$ 2,092.98	\$ 20,630.55
Placing Gravel	-	16,119.32
Blading & Grading	-	55,434.09
Chip & Seal	-	440.78
AMZ Patching	475.53	3,210.04
Seal Blend	-	-
Surface Maintenance	11,279.64	11,989.53
Crack & Joint Sealing	-	-
Shoulder Maintenance	5,226.81	3,834.28
Curb & Gutter	-	-
Trees & Shrubs	9,487.62	20,189.86
Cleaning Drainage Structures	393.14	6,062.76
Ditch Clean Out	215.12	3,539.85
Roadside Cleanup	543.69	384.81
Grass & Weed Control	16,519.12	2,206.53
Brush Cutting	974.30	11,244.30
Culvert / Underdrain Maintenance	317.53	11,963.33
Guard Rail & Post	-	632.32
Sweeping & Flushing	-	-
Winter Maintenance	38,521.41	25,594.37
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	7,695.58	2,223.79
Engineering Services	-	-
Field Supervision	20,829.06	-
Roadway Inspection	-	-
Emergency Response	1,644.33	392.23
BCRC Projects	\$ 73,065.33	\$ 99,454.96
Sub-Total of Maint. Expenditures	189,281.19	295,547.70
2021 Original Budget	153,863.00	307,457.00
Budget vs. Actual Costs	\$ (35,418.19)	\$ 11,909.30

TOWNSHIP MAINTENANCE REPORT

KAWKAWLIN TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	28.01	50.86

DESCRIPTION OF WORK

	\$	\$
Dust Control	-	-
Placing Gravel	378.28	646.82
Blading & Grading	-	976.43
Chip & Seal	-	-
AMZ Patching	273.17	7,991.69
Seal Blend	-	-
Surface Maintenance	26,393.91	35,295.50
Crack & Joint Sealing	-	-
Shoulder Maintenance	2,949.61	2,024.67
Curb & Gutter	-	-
Trees & Shrubs	2,483.75	6,742.34
Cleaning Drainage Structures	4,578.23	476.21
Ditch Clean Out	28,206.57	5,160.28
Roadside Cleanup	-	-
Grass & Weed Control	18,077.33	2,592.13
Brush Cutting	874.85	-
Culvert / Underdrain Maintenance	9,324.92	6,845.75
Guard Rail & Post	-	-
Sweeping & Flushing	-	-
Winter Maintenance	64,109.80	25,099.11
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	36,832.02	18,740.99
Engineering Services	-	-
Field Supervision	14,939.58	-
Roadway Inspection	-	-
Emergency Response	707.58	551.92
BCRC Projects	\$ 709,045.56	\$ 70,750.03
Sub-Total of Maint. Expenditures	919,175.16	183,893.87
2021 Original Budget	308,554.00	222,979.00
Budget vs. Actual Costs	\$ (610,621.16)	\$ 39,085.13

TOWNSHIP MAINTENANCE REPORT

MT. FOREST TOWNSHIP

	PRIMARY	LOCAL
MILEAGE:	27.14	41.55

DESCRIPTION OF WORK

Dust Control	\$ -	\$ 41,859.98
Placing Gravel	-	10,843.23
Blading & Grading	-	80,326.86
Chip & Seal	-	-
AMZ Patching	-	507.56
Seal Blend	-	-
Surface Maintenance	38,751.37	3,382.73
Crack & Joint Sealing	-	-
Shoulder Maintenance	2,228.05	14,170.62
Curb & Gutter	-	-
Trees & Shrubs	3,919.48	3,813.55
Cleaning Drainage Structures	4,114.74	1,826.62
Ditch Clean Out	2,650.90	5,575.61
Roadside Cleanup	780.40	57.46
Grass & Weed Control	14,543.86	1,028.86
Brush Cutting	3,513.38	187.40
Culvert / Underdrain Maintenance	5,968.94	5,422.59
Guard Rail & Post	1,462.61	-
Sweeping & Flushing	-	-
Winter Maintenance	41,806.43	18,080.20
Winter Maintenance Patrol	-	-
Bridge Structures	-	-
Traffic Signs	14,849.95	5,544.49
Engineering Services	-	-
Field Supervision	18,620.30	-
Roadway Inspection	-	-
Emergency Response	747.91	278.41
BCRC Projects	\$ 140,997.72	\$ 85,393.72
Sub-Total of Maint. Expenditures	294,956.04	278,299.89
2021 Original Budget	161,001.00	151,826.00
Budget vs. Actual Costs	\$ (133,955.04)	\$(126,473.89)

2021 LOCAL BRIDGE STRUCTURES

Project #	Description	Total Costs
201551	Bridge Safety Inspections	\$34,866.88

TOTAL 2021 LOCAL BRIDGE STRUCTURES COSTS \$34,866.88

2021 PRIMARY BRIDGE STRUCTURES

Project #	Description	Total Costs
118036	Seven Mile Road Bridge Over Tebo Drain	\$10,002.07
118047	Mackinaw Road Bridge Over Johnson Drain	\$2,692.60
119036	Anderson Road Bridge Over NB Kawkawlin	\$443,135.05
120009	Erickson Road Bridge Over Tebo Drain	\$61,749.94
120015	Mackinaw Road Bridge Over Johnson Drain	\$916,781.58
120016	Garfield Road Bridge Over SB Pinconning	\$500,029.08
201550	Bridge Safety Inspections	\$34,985.07

TOTAL 2021 PRIMARY BRIDGE STRUCTURES COSTS \$1,969,375.39

2021 PRIMARY HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
113014	Patterson	Wheeler	Wilder	Reconstruction of 2 Lane Road	\$10,055.45
116004	State Park	Entrance	Wilder	Design Rehabilitation of Road	\$35,723.10
118030	Chip	Mackinaw	Old Beaver	Crush & Shape	\$85,458.35
118031	Garfield	Hotchkiss	US-10	Cold Mill & Repave with HMA	\$12,175.75
118034	Salzburg	Garfield	11 Mile	Crush & Shape	\$113,255.95
118037	Euclid	M-84	Hotchkiss	Reconstruct Including Curb & Gutter	\$88,672.92
118038	Wheeler	M-247	Patterson	Survey and Design	\$34,409.33
119035	Bentley	Standish	11 Mile	Crush & Shape	\$1,730.06
119038	Old Kawkawlin	2 Mile	State Park	Reconstruction of 2 Lane Road	\$99,919.59
120004	German	M-15	Bullock	HMA, Cold Mill and Crush & Shape	\$36,512.63
120005	Mackinaw	Townline 16	Cody Estey	Reconstruct, Crush & Shape	\$25,262.98
120006	2 Mile	Midland	Wilder	HMA, Cold Mill and Crush & Shape	\$388,074.68
120008	Salzburg	2 Mile	M-84	Cold Mill & Repave with HMA	\$93,722.82
120010	Old Kawkawlin	M-13	Lauria	Cold Mill & Repave with HMA	\$34,383.36
200574	Garfield	Linwood	Erickson	3R Pulverize and HMA Pave	\$2,152,853.91
200576	3 Mile	M-84	Midland	3R Pulverize and HMA Pave	\$33,367.75
201820	Mackinaw	Townline 16 Intersection		Remove & Replace Storm Sewer	\$36,093.40

TOTAL 2021 PRIMARY HEAVY MAINT. COSTS

\$3,281,672.03

2021 LOCAL HEAVY MAINTENANCE

Project #	Road Name	From Location	To Location	Description	Total Costs
201746	Briggs	M-138	Kinney	Crush & Shape, Place Aggregate	\$72,575.07
201747	Cotter	Russell	.5 miles south	Crush & Shape, Place Aggregate	\$25,535.57
202001	11 Mile	Erickson	Kitchen	Place Aggregate, Double Chip Seal	\$1,299.48
202345	8 Mile	Pinconning	Neuman	Place Aggregate	\$44,233.09
202346	2 Mile	Neuman	Townline 16	Place Aggregate	\$1,187.00
202347	Mount Forest	7 Mile	8 Mile	Crush & Shape, Place Aggregate	\$27,405.37
202883	Douglas	Gregg	Shane	Ditch Enclosure	\$2,916.33
	Hospital	Buck	Hotchkiss	Ran by Saginaw County	\$104,020.39
TOTAL 2021 LOCAL HEAVY MAINT. COSTS					\$279,172.30

2021 PRIMARY CHIP SEAL

Project #	Road Name	From Location	To Location	Description	Total Costs
201267	Farley	Kinney	M-138	Single Seal	\$40,169.32
201268	Cass	M-15	Jones	Single Seal	\$36,935.80
201269	Fisher	2 Mile	M-13	Single Seal	\$21,031.16
201270	Salzburg	Mackinaw	3 Mile	Single Seal	\$44,661.07
201271	Mackinaw	Delta	Salzburg	Single Seal	\$47,815.95
202155	Parish	Bay Mid Line	Garfield	Single Seal	\$108,495.06
202161	Prevo	Garfield	7 Mile	Single Seal	\$73,065.33

TOTAL 2021 PRIMARY CHIP SEAL COSTS

\$372,173.69

2021 LOCAL CHIP SEAL

Project #	Road Name	Location	Location	Description	Costs
201475	Beechwood	Patterson	End	Double Seal	\$18,402.05
201476	Christiana	Patterson	Northview	Double Seal	\$21,128.60
201479	Schumann	Euclid	Old Kawkawlin	Double Seal	\$20,468.97
201495	Erickson	Mackinaw	M-13	Single Seal	\$18,970.32
201496	Fraser	Kitchen	Townline 16	Single Seal	\$54,824.32
201497	Turmell	Coggins	Newberg	Single Seal	\$9,479.47
201498	Hupter	Newberg	Townline 16	Single Seal	\$13,031.97
201499	Anderson	M-13	Fraser	Single Seal	\$22,065.72
201500	Erickson	7 Mile	End	Single Seal	\$4,748.08
201501	Kitchen	7 Mile	8 Mile	Single Seal	\$14,519.66
201502	Anderson	7 Mile	8 Mile	Single Seal	\$18,979.79
201503	Anderson	7 Mile	End	Single Seal	\$6,277.40
201504	Anderson	Fraser	End	Double Seal	\$12,441.88
201528	Seidlers	I-75	End	Single Seal	\$23,476.60
201529	Schmidt	M-13	End	Single Seal	\$8,881.03
201530	Jose	M-13	End	Single Seal	\$9,419.19
201531	Schmidt	7 Mile	8 Mile	Double Seal	\$16,435.36
201533	Seidlers	7 Mile	I-75	Single Seal	\$12,537.85
201590	German	M-15	Jones	Single Seal	\$23,366.80
201591	Lincoln	Bullock	Russell	Single Seal	\$19,674.31
201592	German	Knight	Finn	Single Seal	\$17,476.24
201593	German	Michigan	Bullock	Single Seal	\$22,476.62
201594	Burns	German	Cass	Single Seal	\$17,137.07
201595	Bullock	German	End	Single Seal	\$13,362.00
201596	27th	M-15	End	Single Seal	\$10,641.05
201597	Dewyse	Trumbull	Green	Single Seal	\$5,395.53
201598	Green	Cass	Dewyse	Single Seal	\$9,711.72
201599	Trumbull	German	Bullock	Single Seal	\$3,998.82
201600	York	Cass	End	Single Seal	\$6,939.52
201601	Michigan	German	Bullock	Single Seal	\$7,099.77
201609	Jones	Arms	End	Single Seal	\$29,055.47
201610	Nolet	M-25	End	Single Seal	\$38,337.21
201611	Nebobish	Knight	Nolet	Single Seal	\$70,322.30
201612	Youngsditch	Farley	End	Single Seal	\$47,526.58
201614	Halstead	Cotter	End	Single Seal	\$18,025.37
201636	Townline 14	Bay Mid Line	Garfield	Single Seal	\$49,104.20
201702	Brown	Flajole	Standish	Single Seal	\$10,660.20
201703	9 Mile	M-61	County Line	Double Seal	\$40,520.15
201744	Bowker	Russell	Schoof	Single Seal	\$27,619.49
201745	Nolet	M-138	Kinney	Single Seal	\$32,264.05
201907	Chip	8 Mile	9 Mile	Single Seal	\$20,771.55
201908	North Union	Garfield	11 Mile	Single Seal	\$17,000.19
201909	North Union	11 Mile	Carter	Single Seal	\$16,357.26
201993	German	Jones	Knight	Single Seal	\$17,100.17
201996	Linwood	Carter	Bay Mid Line	Single Seal	\$37,868.89
201998	Anderson	Garfield	9 Mile	Single Seal	\$20,072.94
201999	Kitchen	8 Mile	9 Mile	Single Seal	\$18,470.49
202001	11 Mile	Erickson	Kitchen	Double Seal	\$56,467.14
202158	Arms	Knight	SE Boutell	Single Seal	\$33,102.62
202348	Lapan	Shore	End	Single Seal	\$21,228.79
202349	Wirbel	Saginaw Bay Shore	End	Single Seal	\$9,904.15
202643	2 Mile	Amelith	County Line	Single Seal	\$20,699.83

TOTAL 2021 LOCAL CHIP SEAL COSTS

\$1,115,846.75