NOTICE: IN ORDER TO FACILITATE REMOTE ELECTRONIC PARTICIPATION, AS REQUIRED, FOR THE **FEBRUARY 23, 2021 TOWNSHIP BOARD SPECIAL MEETING**, A ZOOM MEETING HAS BEEN SCHEDULED. **TOWNSHIP RESIDENTS/PROPERTY OWNERS AND OTHER INTERESTED PARTIES ARE INVITED TO ATTEND.** INSTRUCTIONS FOR CONNECTING TO THE MEETING APPEAR BELOW.

Whitewater Zoom is inviting you to a scheduled Zoom meeting.

Topic: Township Board Special Meeting-Budget Time: Feb 23, 2021 06:00 PM Eastern Time (US and Canada)

Join Zoom Meeting https://zoom.us/j/96043810912?pwd=VVM3ZjZUY0k3d283U2tuakNIajI1dz09

Meeting ID: 960 4381 0912 Passcode: 594287 One tap mobile +16465588656,,96043810912#,,,,*594287# US (New York)

Dial by your location +1 646 558 8656 US (New York) Meeting ID: 960 4381 0912 Passcode: 594287 Find your local number: <u>https://zoom.us/u/atHtnaJWj</u>

Contact Information for Board Members: Supervisor Ron Popp – 231-267-5141 x23 <u>supervisor@whitewatertownship.org</u> Clerk Cheryl Goss – 231-267-5141 x24 <u>clerk@whitewatertownship.org</u> Treasurer Ardella Benak – 231-267-5141 x22 <u>treasurer@whitewatertownship.org</u> Trustee Paul Hubbell – 231-267-5141 <u>trustee02@whitewatertownship.org</u> Trustee Heidi Vollmuth - 231-633-9468 <u>heidivyourtrustee@gmail.com</u>

Whitewater Township will provide necessary reasonable auxiliary aids and services to individuals with disabilities upon reasonable advance notice. Contact the township clerk at 231-267-5141 or the TDD at 800-649-3777.

WHITEWATER TOWNSHIP BOARD <u>Agenda for Special Meeting – February 23, 2021</u> <u>6:00 p.m. at the Whitewater Township Hall</u> 5777 Vinton Road, Williamsburg, MI 49690 Phone 231-267-5141/Fax 231-267-9020

- A. Call to Order
- B. Roll Call of Board Members
- C. Set/Adjust Meeting Agenda
- D. Declaration of Conflict of Interest

E. Public Comment

Any person shall be permitted to address a meeting of the township board. Public comment shall be carried out in accordance with following board rules and procedures:

- 1. Comments shall be directed to the board, with questions directed to the chair.
- 2. Any person wishing to address the board shall speak from the lectern and state his or her name and address.
- 3. Persons may address the board on matters that are relevant to township government issues.
- 4. No person shall be allowed to speak more than once on the same matter, excluding the time needed to answer board members' questions. The chair shall control the amount of time each person shall be allowed to speak, which shall not exceed five (5) minutes.
- 5. In order to avoid unscheduled debates, the board generally will not comment or respond to presenters. Silence or non-response from the board should not be interpreted as disinterest or disagreement by the board.
- F. Agenda Items as Listed in Special Meeting Notice
 - 1. Budget Work Session General Fund
- G. Board Comments/Discussion
- H. Public Comment
- I. Adjournment

Whitewater Township

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whitewater Township								12:35 PIVI
	Prior		C	urrent Year		- (6)	(7)	(8)
	Year	Original	Amended	Actual Thru	Estimated			
Month: 1/31/2021 Fund: 101 - GENERAL FUND	Actual	Budget	Budget	January	Total	Requested	Recommended	Adopted
Revenues								
Dept: 000	107 001	107 400	107 400	22 674	0	141.000		
402 Property Taxes	127,281	127,400	127,400	23,574	0	<u>.</u>		
445 Penalties & Interest	2,814	1,000	1,000	2,039	0			
447 Property Tax Admin Fees	65,491	64,000	64,000	46,987	0			
448 Collection Fees	0	4,250	4,250	7,078	0			
451 Franchise Fees	31,517	32,400	32,400	23,153	0			
476 Licenses & Permits	3,220	2,100	2,100	2,585	0	2,300	. <u></u> .	
566 State Grants	0	0	0	0	0	0		
573 Local Community Stabilization	0	0	0	0	0	0		
574 State-Shared Revenues	229,546	230,000	230,000	192,233	0	235,135		
575 Swamp Taxes/Comm Forest Distri	30,481	25,000	25,000	29,975	0	29,000		
590 Grants-Private Sources	0	0	0	0	0	0		
607 Service Fees	1,650	1,500	1,500	1,625	0	1,600		
608 Interment Fees	3,575	2,000	2,000	3,150	0	3,000		
633 Election Reimbursement	0	3,000	3,000	5,115	0	0		
642 Sale of Cemetery Lots	1,600	600	600	600	0	600		
643 Miscellaneous Sales	39	0	0	108	0	0		
665 Interest Earned	2,979	1,800	1,800	1,228	0	1,000		
668 Oil & Gas Lease	0	0	0	0	0	0		
670 Cell Tower Lease	41,883	42,300	42,300	28,619	0	34,800		
671 Other Revenues	694	1,000	1,000	1,881	0	1,000		
673 Sale of Fixed Assets	4	0	0	0	0	0		
678 Gypsy Moth Assessment	0	0	0	0	0	0		
687 Refunds	33	100	100	0	0	0		
699 Transfers From Other Funds	0	0	0	0	0	0		
Dept: 000	542,807	538,450	538,450	369,950	0	554,223		0 0
Total Revenues	542,807	538,450	538,450	369,950	0	554,223		0 0

Expenditures Dept: 101 Township Board								
702 Salaries	5,600	9,000	9,000	5,200	0	6,000	 	
703 Wages	1,124	3,000	3,000	2,140	0	3,000	 	
715 Social Security (Employer)	417	744	744	443	0	558	 	
716 Medicare (Employer)	97	174	174	104	0	131	 	
727 Office Supplies & Expense	1,298	1,600	1,600	2,408	0	2,600	 	
728 Postage	572	800	800	585	0	800	 	
802 Audit & Accounting Services	6,678	7,000	7,000	6,682	0	7,000	 	
804 Professional Services	4,180	15,000	15,000	0	0	2,500	 	
Fund: 101 - GENERAL FUND Expenditures Dept: 101 Township Board								
817 Clean Up Day Services	9,985	12,000	12,000	9,810	0	12,000	 	
830 Pension Plan	3,042	3,209	3,209	3,232	0	4,000	 	
840 Dues and Memberships	3,587	3,800	3,800	3,775	0	4,000	 	
852 Promotional Expenses	1,250	1,500	1,500	1,000	0	1,500	 	
853 Finance Charges	0	0	0	0	0	0	 	
854 Late Fees	0	0	0	0	0		 	
860 Mileage Reimbursement	0	100	100	0	0	100	 	
865 Meal/Lodging Expense	0	200	200	0	0	200	 	
880 Education & Training	0	250	250	0	0	250	 	
901 Publishing	1,427	2,500	2,500	1,375	0	2,500	 	
902 Printing	0	100	100	0	0	100	 	
903 Township Newsletter Expense	2,345	2,500	2,500	820	0	2,000	 	
940 Equipment Rental	1,049	1,200	1,200	2,119	0	1,500	 	
941 Postage Meter Rental/Fees	1,071	1,300	1,300	0	0	0	 	
955 Grand Vision	0	0	0	0	0	0	 	
956 Miscellaneous Expense	0	750	750	130	0	500	 	
957 Boardman River Project	0	0	0	0	0	0	 	
958 Gypsy Moth Program	0	0	0	0	0	0	 	
959 Scrap Tire Expense	234	400	400	388	0	400	 	
964 Refunds	0	500	500	239	0	400	 	
Township Board	43,956	67,627	67,627	40,450	0	52,039	 0	0
Dept: 171 Supervisor 702 Salaries	26,780	27,585	27,585	22,280	0	27,585	 	

703 Wages	0	2,000	2,000	0	0	2,000	 	
715 Social Security (Employer)	1,660	1,835	1,835	1,381	0	1,835		
716 Medicare (Employer)	388	429	429	323	0	429	 	
727 Office Supplies & Expense	0	250	250	55	0	250	 	
728 Postage	45	40	40	1	0	40	 	
860 Mileage Reimbursement	35	400	400	84	0	400	 	
865 Meal/Lodging Expense	0	250	250	0	0	250	 	
880 Education & Training	0	500	500	0	0	400	 	
Supervisor	28,908	33,289	33,289	24,124	0	33,189	0	0
Dept: 195 Elections	2 000	10 000	10.000	0.001	0	6 000		
703 Wages	2,990	10,000	10,000	8,891	0	6,000	 	
715 Social Security (Employer)	22	300	300	67	0	300	 	
716 Medicare (Employer)	5	100	100	16	0	100	 	
727 Office Supplies & Expense	3,006	2,500	2,500	2,928	0	2,500	 	
Fund: 101 - GENERAL FUND Expenditures Dept: 195 Elections 728 Postage	661	1,500	1,500	2,603	0	1,500		
847 Software Support	120	0	0	2,003	0	0	 	
860 Mileage Reimbursement	120	400	400	0	0	200	 	
865 Meal/Lodging Expense	105	200	200	297	0	300	 	
880 Education & Training	135	500	500	932	0	750	 	
901 Publishing	86	500	500	341	0	400	 	
970 Capital Expenditure	0	0	0	0	0	0	 	
Elections	7,308	16,000	16,000	16,075	0	12,050	 0	0
Dept: 209 Assessor	7,500	10,000	10,000	10,075	0	12,030	0	0
702 Salaries	1,200	1,200	1,200	1,000	0	1,200	 	
715 Social Security (Employer)	74	75	75	62	0	75	 	
716 Medicare (Employer)	17	18	18	15	0	18	 	
727 Office Supplies & Expense	507	300	300	212	0	350	 	
728 Postage	853	1,000	1,000	772	0	1,000	 	
807 Assessing Services	22,650	24,000	24,000	19,400	0	24,000	 	
847 Software Support	633	700	700	645	0	700	 	
880 Education & Training	0	0	0	0	0	0	 	
901 Publishing	0	50	50	0	0	50	 	
Assessor	25,934	27,343	27,343	22,106	0	27,393	0	0

Dept: 210 Attorney 801 Legal Services	17,337	35,000	35,000	25,908	0	35000	 	
Attorney	17,337	35,000	35,000	25,908	0	35,000	0	0
Dept: 215 Clerk 702 Salaries	27,295	28,115	28,115	22,708	0	28,115		
703 Wages	11,970	13,000	13,000	10,982	0	13,500	 	
715 Social Security (Employer)	2,432	2,488	2,488	2,061	0	2,600	 	
716 Medicare (Employer)	569	582	582	482	0	610	 	
727 Office Supplies & Expense	1,680	1,500	1,500	1,488	0	1,600	 	
728 Postage	106	100	100	43	0	100	 	
840 Dues and Memberships	150	120	120	-30	0	120	 	
847 Software Support	3,135	2,400	2,400	2,473	0	2,600	 	
860 Mileage Reimbursement	307	600	600	0	0	600	 	
865 Meal/Lodging Expense	428	600	600	0	0	600	 	
880 Education & Training	485	1,000	1,000	-485	0	1,000	 	
901 Publishing	1,086	1,500	1,500	999	0	1,500	 	
Clerk	49,643	52,005	52,005	40,721	0	52,945	0	0
Dept: 247 Board of Review 702 Salaries	1,050	1,200	1,200	325	0	1,200	 	
Fund: 101 - GENERAL FUND Expenditures Dept: 247 Board of Review 715 Social Security (Employer)	65	75	75	18	0	75		
716 Medicare (Employer)	15	18	18	4	0	18	 	
727 Office Supplies & Expense	0	50	50	0	0	50		
728 Postage	0	100	100	0	0	50	 	
860 Mileage Reimbursement	99	400	400	46	0	250		
865 Meal/Lodging Expense	0	200	200	78	0	200		
880 Education & Training	209	1,000	1,000	199	0	1,000		
901 Publishing	40	250	250	0	0	100	 	
Board of Review	1,478	3,293	3,293	670	0	2,943	0	0
Dept: 253 Treasurer								
702 Salaries	26,780	27,585	27,585	22,280	0	27,585	 	
703 Wages	9,532	11,356	11,356	7,001	0	12,000	 	
715 Social Security (Employer)	2,251	2,415	2,415	1,780	0	750	 	
716 Medicare (Employer)	527	565	565	416	0	175	 	

727 Office Supplies & Expense	2,189	1,600	1,600	1,096	0	1,600	 	
728 Postage	2,149	2,600	2,600	2,035	0	2,600	 	
804 Professional Services	0	0	0	0	0	0	 	
840 Dues and Memberships	0	100	100	0	0	100	 	
847 Software Support	1,305	1,500	1,500	1,330	0	1,500	 	
860 Mileage Reimbursement	670	1,350	1,350	641	0	1,350	 	
865 Meal/Lodging Expense	0	600	600	0	0	600	 	
880 Education & Training	706	1,000	1,000	-706	0	1,000	 	
901 Publishing	0	125	125	0	0	125	 	
Treasurer	46,109	50,796	50,796	35,873	0	49,385	 0	0
Dept: 265 Township Hall & Grounds								
703 Wages	0	2,000	2,000	0	0	2,000	 	
715 Social Security (Employer)	0	124	124	0	0	124	 	
716 Medicare (Employer)	0	29	29	0	0	29	 	
740 Operating Expense & Supplies	895	1,500	1,500	1,836	0	1,500	 ·	
809 Lawn Maintenance Services	695	1,000	1,000	890	0	1,200	 	
810 Janitorial Services	1,375	1,600	1,600	990	0	1,800	 	
811 Waste Removal Services	192	225	225	161	0	225	 	
845 Snowplowing Services	970	1,500	1,500	150	0	1,500	 	
851 Internet/Website	1,402	1,500	1,500	2,381	0	1,500	 	
922 Electricity	2,008	2,500	2,500	1,672	0	2,500	 	
923 Electric Heat	4,427	3,500	3,500	2,939	0	4,000	 	
924 Telephone	2,720	2,750	2,750	2,362	0	2,750	 	
Fund: 101 - GENERAL FUND Expenditures Dept: 265 Township Hall & Grounds 930 Facility Repairs/Maintenance	2,971	10,000	10,000	3,234	0	10,000		
931 Office Equipment Repairs/Maint	2,467	3,000	3,000	6,489	0	3,000		
Township Hall & Grounds	20,122	31,228	31,228	23,104	0	32,128	0	0
Dept: 276 Cemetery			- , -	.,		- , -		
703 Wages	8	500	500	0	0	500	 	
715 Social Security (Employer)	0	31	31	0	0	31	 	
716 Medicare (Employer)	0	7	7	0	0	7	 	
740 Operating Expense & Supplies	296	1,000	1,000	327	0	1,000	 	
808 Cemetery Sexton	3,575	5,000	5,000	3,150	0	5,000	 	
809 Lawn Maintenance Services	3,100	4,000	4,000	3,450	0	4,000	 	

847 Software Support	0	0	0	0	0	0	 	
922 Electricity	305	400	400	623	0	800	 	
930 Facility Repairs/Maintenance	350	7,000	7,000	235	0	5,000	 	
Cemetery	7,634	17,938	17,938	7,785	0	16,338	 0	0
Dept: 400 Planning Commission								
702 Salaries	5,950	11,000	11,000	1,590	0	11,000	 	
703 Wages	2,000	3,600	3,600	862	0	3,600	 	
715 Social Security (Employer)	493	905	905	152	0	905	 	
716 Medicare (Employer)	115	212	212	35	0	212	 	
727 Office Supplies & Expense	0	1,000	1,000	0	0	1,000	 	
728 Postage	0	2,000	2,000	0	0	2,000	 	
804 Professional Services	0	5,000	5,000	0	0	10,000	 	
840 Dues and Memberships	0	500	500	0	0	250	 	
860 Mileage Reimbursement	58	500	500	0	0	250	 	
865 Meal/Lodging Expense	0	0	0	0	0	0	 	
880 Education & Training	329	2,000	2,000	0	0	2,000	 	
901 Publishing	114	1,000	1,000	116	0	1,000	 	
902 Printing	0	500	500	0	0	500	 	
Planning Commission	9,059	28,217	28,217	2,755	0	32,717	 0	0
Dept: 405 Zoning Administrator/Planning								
702 Salaries	9,422	0	0	0	0	0	 	
703 Wages	17	4,100	4,100	0	0	2,000	 	
715 Social Security (Employer)	585	254	254	0	0	124		
716 Medicare (Employer)			204	0	0			
	137	60	60	0	0	29	 	
727 Office Supplies & Expense	137 79	60 400			· · · ·		 	
727 Office Supplies & Expense 728 Postage			60	0	0	29	 	
	79	400	60 400	0 13	00	29 250	 	
728 Postage	79 13	400 100	60 400 100	0 13 3	0 0 0	29 250 100	 	
 728 Postage 803 Medical Professional Services Fund: 101 - GENERAL FUND Expenditures 	79 13	400 100	60 400 100	0 13 3	0 0 0	29 250 100	 	
728 Postage 803 Medical Professional Services Fund: 101 - GENERAL FUND Expenditures Dept: 405 Zoning Administrator/Planning	79 13 0	400 100 0	60 400 100 0	0 13 3 0	0 0 0	29 250 100 0	 	
 728 Postage 803 Medical Professional Services Fund: 101 - GENERAL FUND Expenditures Dept: 405 Zoning Administrator/Planning 804 Professional Services 	79 13 0 11,241	400 100 0 20,012	60 400 100 0 20,012	0 13 3 0 11,552	0 0 0 0	29 250 100 0 20,212	 	
 728 Postage 803 Medical Professional Services Fund: 101 - GENERAL FUND Expenditures Dept: 405 Zoning Administrator/Planning 804 Professional Services 830 Pension Plan 	79 13 0 11,241 0	400 100 0 20,012 0	60 400 100 0 20,012 0	0 13 3 0 11,552 0	0 0 0 0 0	29 250 100 0 20,212 0		
 728 Postage 803 Medical Professional Services Fund: 101 - GENERAL FUND Expenditures Dept: 405 Zoning Administrator/Planning 804 Professional Services 830 Pension Plan 840 Dues and Memberships 	79 13 0 11,241 0 0	400 100 0 20,012 0 0	60 400 0 20,012 0 0	0 13 3 0 11,552 0 0	0 0 0 0 0	29 250 100 0 20,212 0 0		

865 Meal/Lodging Expense	0	0	0	0	0	0		
880 Education & Training	0	0	0	0	0	0		
Zoning Administrator/Planning	21,869	25,626	25,626	11,844	0	23,215	0	0
Dept: 410 Zoning Board of Appeals 702 Salaries	1,935	3,100	3,100	415	0	3,100		
703 Wages	500	1,600	1,600	150	0	1,600		
715 Social Security (Employer)	151	292	292	35	0	292		
716 Medicare (Employer)	35	68	68	8	0	68		
728 Postage	24	50	50	0	0	50		
860 Mileage Reimbursement	0	250	250	0	0	250		
865 Meal/Lodging Expense	0	250	250	0	0	250		
880 Education & Training	208	500	500	0	0	500		
901 Publishing	366	600	600	115	0	600		
Zoning Board of Appeals	3,219	6,710	6,710	723	0	6,710	0	0
Dept: 803 Historical Society 702 Salaries	0	15,000	15,000	709	0	15,000		
703 Wages	6,607	1,200	1,200	700	0	1,200		
715 Social Security (Employer)	410	1,005	1,005	87	0	1,005		
716 Medicare (Employer)	96	235	235	20	0	235		
727 Office Supplies & Expense	652	1,200	1,200	3	0	1,200		
728 Postage	0	25	25	0	0	25		
803 Medical Professional Services	260	0	0	61	0	0		
804 Professional Services	0	500	500	0	0	500		
840 Dues and Memberships	0	100	100	0	0	100		
847 Software Support	0	0	0	0	0	0		
860 Mileage Reimbursement	0	250	250	0	0	250		
865 Meal/Lodging Expense	0	250	250	0	0	250		
880 Education & Training	0	250	250	0	0	250		
Historical Society	8,025	20,015	20,015	1,580	0	20,015	0	0
Dept: 852 Employee Health Insurance 714 Health Insurance	0	0	0	0	0	0		
Employee Health Insurance	0	0	0	0	0	0	0	0
Dent: 862 Soc Sec/Medicare (Employer)								

Dept: 862 Soc Sec/Medicare (Employer) Fund: 101 - GENERAL FUND

Expenditures

Dept: 862 Soc Sec/Medicare (Employer)

715 Social Security (Employer)	0	0	0	0	0	0	 	
716 Medicare (Employer)	0	0	0	0	0	0	 	
Soc Sec/Medicare (Employer)	0	0	0	0	0	0	0	0
Dept: 865 Insurance 820 Liability Insurance	5,476	13,500	13,500	6,371	0	13,500	 	
821 Workers Compensation	934	4,000	4,000	1,063	0	4,000	 	
Insurance	6,410	17,500	17,500	7,434	0	17,500	0	0
Dept: 890 Contingency 890 Contingency	0	25,000	20,000	0	0	20,000	 	
Contingency	0	25,000	20,000	0	0	20,000	0	0
Dept: 901 Capital Expenditure 970 Capital Expenditure	11,074	27,000	27,000	1,800	0	20,000	 	
971 Land	0	20,000	0	0	0	0	 	
Capital Expenditure	11,074	47,000	27,000	1,800	0	20,000	0	0
Dept: 966 Transfers Out 999 Transfers To Other Funds 20K PRAC, 5K Road 45K fire cap.100K rd replace.	207,600	250,000	275,000	25,000	0	170,000	 	
Transfers Out	207,600	250,000	275,000	25,000	0	170,000	0	0
Total Expenditures	515,685	754,587	754,587	287,952	0	623,567	0	0
	Change In Balance)	(69,344)	Fund	Balance as of	12.31.2021		762,405

Historical Society Questions:

1) How should the H/S handle donations? Can they accept monetary and artifacts?

2) Thinking about new members, what is the process? Appointment? Hire?

3) The last regular attending member has passed away. What is the Board's wishes for meetings? Approval of minutes?

4) Addressing items that maybe on loan from time to time. How shall those items be inventoried? Receipts? Insurance?

	F	Rev thru 12/31 - E	xp thru 1/19						Page: 1 1/21/2021
Whitewater Township									12:35 PM
	Prior			urrent Year		(6)	(7)		(8)
Month: 1/31/2021	Year Actual	Original Budget	Amended Budget	Actual Thru January	Estimated Total	Requested	Recommended	,	Adopted
Fund: 203 - ROAD FUND Revenues Dept: 000									
452 METRO Act Fees	8,747	8,000	8,000	9,654	0	9,000	·		
665 Interest Earned	44	5	5	32	0	30			
Dept: 000	8,791	8,005	8,005	9,686	0	9,030		0	0
Dept: 931 Transfers IN 699 Transfers From Other Funds	10,000	5,000	5,000	0	0	5,000			
Transfers IN	10,000	5,000	5,000	0	0	14,030		0	0
Total Revenues	18,791	13,005	13,005	9,686	0	14,030		0	0
Expenditures Dept: 446 Road Right of Way 846 Road Brining Service	11,084	18,000	18,000	16,839	0	20,000			
921 Street Lights	1,761	1,700	1,700	968	0	2,000			
Road Right of Way	12,845	19,700	19,700	17,807	0	22,000		0	0
Dept: 890 Contingency 890 Contingency	0	0	0	0	0	0			
Contingency	0	0	0	0	0	22,000		0	0
Total Expenditures	12,845	19,700	19,700	17,807	0	22,000		0	0
	Change in Balance	9	(7,970)	F	Fund Balance a	s of 12.31.2020			14,927

BUDGET WORKSHEET	
Dov thru 12/31 Evo thru 1/10	

	R	ev thru 12/31 - E	xp thru 1/19						Page: 1 1/21/2021
Whitewater Township									12:35 PM
	Prior		CI	urrent Year		(6)	(7)		(8)
	Year	Original	Amended	Actual Thru	Estimated				
Month: 1/31/2021	Actual	Budget	Budget	January	Total	Requested	Recommended		Adopted
Fund: 204 - ROAD REPAIR/REPLACEMENT FUND Revenues Dept: 000									
665 Interest Earned	465	275	275	415	0	400			
699 Transfers From Other Funds	50,000	50,000	50,000	0	0	100,000			
Dept: 000	50,465	50,275	50,275	415	0	100,400		0	0
Total Revenues	50,465	50,275	50,275	415	0	100,400		0	0
Expenditures Dept: 000									
935 Road Repair 434,462 25% = 110K 11.10.2020 5 yr Crack Fill & !0 year Chip 46K	0	0	0	1,000	0	156,000			
Dept: 000	0	0	0	1,000	0	156,000		0	0
Dept: 890 Contingency 890 Contingency	0	0	0	-767	0	5,000			
Contingency	0	0	0	-767	0	161,000		0	0
Total Expenditures	0	0	0	233	0	161,000		0	0
	Change in Balance	2	(60,600)	F	und Balance as	s of 12.31.2020		2	266,346.00

Office of the Whitewater Township Supervisor

Memo

To:	Whitewater Township Board
From:	Ron Popp, Supervisor
CC:	None
Date:	02-10-2021
Re:	2021 Recommended Road Funding

All,

The following spreadsheet pages use data from Grand Traverse County Road Commission's 2019 Pavement Surface Evaluation and Rating (PASER) system Report released February 27, 2020. The full report is available by request.

Page three is a summary of the data helping to organize it for quick review. For those who want to dive a little deeper, the next four pages display specific details of all Township Roads. Page 8 provides cost per mile information along with cost sharing percentages currently allowed by the Road Commission. The last two pages are an image of the original opinion of probable cost for repairs to Skegemog Point Road. Please recall there are no work scope changes slated for the "first two miles" of the project so, the opinion can be used with a high degree of confidence for budgeting purposes. The Township may want to consider policy regarding its level of future funding for any such project.

For the 2021/2022 budget I am recommending the Board allow for up to a 25% cost share of repairs to the "first two miles" of Skegemog Point Road as detailed under scenario #1 in the October 8, 2020 Opinion of Probable Cost. This impacts the Township Budget at a little under \$110,000.00. Listening to community input, future construction work on the "last mile" will not meet current minimum Road Commission Asset Management Policy and no public funds have been set aside. If that changes, budgeting can be amended as needed.

Additionally, I recommend we fund the Road Commission's Asset Management Plan addressing the 5-year crack sealing and 10-year chip sealing maintenance schedule resulting in an estimated 2021 investment of almost \$46,000.00.

Total 2021/2022 proposed Road Repair and Replacement Fund expenditures are: \$156,000.00

Thank you for your work.

Row Turp

Ron Popp Supervisor, Whitewater Township

Whitewater Township	5 Year Road N	/laintenance and	Replacement Pla	anning Guide Su	mmary		
Asphalt Roads				Annual Infl	ation Rate		3%
		2020	2021	2022	2023	2024	2025
Total Asphalt Road Miles		25.987					
Average Paser Rating		3.811					
Total 5 Yr. Crack Sealing Costs		\$40,539.72	\$41,755.91	\$43,008.59	\$44,298.85	\$45,627.81	\$46,996.65
Total 10 Yr. Chip Sealing Costs		\$368,280.00	\$379,328.40	\$390,708.25	\$402,429.50	\$414,502.38	\$426,937.46
Annual Crack and Chip Sealing Costs		\$44,586.65	\$45,924.25	\$47,301.97	\$48,721.03	\$50,182.67	\$51,688.15
2020 Costs to Replace all Roads		\$7,369,057.44	\$7,590,129.16	\$7,817,833.04	\$8,052,368.03	\$8,293,939.07	\$8,542,757.24
Annual Road Replacement Amortization		\$245,635.25	\$253,004.31	\$260,594.43	\$268,412.27	\$276,464.64	\$284,758.57
Required Annual Road Fund Amounts		\$290,221.90	\$298,928.55	\$307,896.41	\$317,133.30	\$326,647.30	\$336,446.72
Annual Township Contribution to Road Replacement	25%	\$72,555.47	\$74,732.14	\$76,974.10	\$79,283.33	\$81,661.83	\$84,111.68
Annual Township Contribution to Road Maintenance	100%	\$44,586.65	\$45,924.25	\$47,301.97	\$48,721.03	\$50,182.67	\$51,688.15
Annual Alternate Funding Sources Amounts		\$173,079.77	\$178,272.17	\$183,620.33	\$189,128.94	\$194,802.81	\$200,646.89

				Whitewater Townsl	nip 5 Yea	ar Road Maintenance ar	nd Replacement	Planning Guid	le Detail - Pa	ge 1		
State of Mich PRNo	Road Segment Name	From Desc	: To Desc	Segment Length	Eval Year	PASER Recommend Rating Fix Type	Projected Maintenance Year	5 Yr Crack Sealing Costs	10 Yr Chip Sealing Costs	5Yr Crack Sealing and 10 yr Chip Sealing Costs Presented Annually	Costs to Replace	30 Year Road Replacement Cost Presented Annually Without Inflation
1003505	Ayers Rd	Cram	Cook	0.412 Asphalt-Standa	2018	3 Crush & Shape		\$642.72	\$5 <i>,</i> 932.80	\$721.82	\$216,300.00	\$7,210.00
3280670	Bluff Trl	Elk Lake	Attribute C	0.126 Asphalt-Standa	2018	2 Crush & Shape		\$196.56	\$1,814.40	\$220.75	\$66,150.00	\$2,205.00
1003804	Carns Rd	Elk Lake	Topview Dr	0.448 Asphalt-Standa	2018	2 Crush & Shape		\$698.88	\$6,451.20	\$784.90	\$235,200.00	\$7,840.00
1003804	Carns Rd	Topview D	Clearview [0.083 Asphalt-Standa	2018	2 Crush & Shape		\$129.48	\$1,195.20		\$43,575.00	
1003804	Carns Rd	Clearview	[Trail End N	0.009 Asphalt-Standa	2018	2 Crush & Shape		\$14.04	\$129.60	-	\$4,725.00	
	N Broomh		O Dell Rd	0.5 Asphalt-Standa	2018	3 Crush & Shape		\$780.00	\$7,200.00			
994606	N Broomh	e O Dell Rd	Deal	0.498 Asphalt-Standa	2018	3 Crush & Shape		\$776.88	\$7,171.20			
994606	N Broomh	e Deal	M 72	0.358 Asphalt-Standa	2018	3 Crush & Shape		\$558.48	\$5,155.20			
1003503	Deal Rd	Broomhea	Broomhead	0.503 Asphalt-Standa	2018	6 Chip Seal		\$784.68	\$7,243.20		· ·	
1003503	Deal Rd	Broomhea	Battle Cree	0.626 Asphalt-Standa	2018	6 Chip Seal		\$976.56	\$9,014.40		\$9,014.40	
1003503	Deal Rd	Battle Cree	e Mabel	0.117 Asphalt-Standa	2018	6 Chip Seal		\$182.52	\$1,684.80	•	• •	•
1003503		Mabel	Fairbanks C	0.245 Asphalt-Standa	2018	6 Chip Seal		\$382.20	\$3,528.00		\$3,528.00	
1865919	Elk Lake Tr	'l Angell	Bluff	0.375 Asphalt-Standa	2018	2 Crush & Shape		\$585.00	\$5 <i>,</i> 400.00	\$657.00	\$196,875.00	\$6,562.50
1000302		Elk Lake	Innis Ln	0.584 Asphalt-Standa	2018	2 Crush & Shape		\$911.04	\$8,409.60			• •
1000302	•	Innis Ln	Dead End c	0.056 Asphalt-Standa	2018	3 Crush & Shape		\$87.36	\$806.40	•	\$29,400.00	
	Island Lake		Terrace	0.22 Asphalt-Standa	2017	7 Chip Seal		\$343.20	\$3,168.00			
3280012	Lackey Rd	Fairbanks	C Hanna Rd	0.135 Asphalt-Standa	2018	6 Chip Seal		\$210.60	\$1,944.00		· ·	
	•		[Undescrib	0.357 Asphalt-Standa	2018	6 Chip Seal		\$556.92	\$5,140.80			
3280012	Lackey Rd	[Undescrib	o Truax Lake	0.001 Asphalt-Standa	2006	6 Chip Seal		\$1.56	\$14.40	\$1.75	\$14.40	\$0.48
3280012	Lackey Rd	Truax Lake	e Pickerd Ct	0.142 Asphalt-Standa	2018	5 Chip Seal		\$221.52	\$2,044.80	\$248.78	\$2,044.80	\$68.16
3280012	Lackey Rd	Pickerd Ct	Lackey	0.033 Asphalt-Standa	2018	5 Chip Seal		\$51.48	\$475.20	\$57.82	\$475.20	
3280012	Lackey Rd	Pickerd Ct	Truax Lake	0.077 Asphalt-Standa	2018	5 Chip Seal		\$120.12	\$1,108.80	\$134.90	\$1,108.80	\$36.96
1003703	Mabel Rd	Deal	Watson	0.533 Asphalt-Standa	2018	6 Chip Seal		\$831.48	\$7,675.20	\$933.82	\$7,675.20	\$255.84
994603	Moore Rd	Crisp	M 72	0.49 Asphalt-Standa	2018	3 Crush & Shape		\$764.40	\$7,056.00			
994603	Moore Rd	M 72	M 72	0.001 Asphalt-Standa	2011	3 Crush & Shape		\$1.56	\$14.40			
994603	Moore Rd	M 72	Watson	0.027 Asphalt-Standa	2018	3 Crush & Shape		\$42.12	\$388.80	\$47.30	\$14,175.00	\$472.50
3281419	Pickerd Ct	Lackey Rd	Dead End c	0.168 Asphalt-Standa	2018	7 Chip Seal		\$262.08	\$2,419.20	\$294.34		
994701	Skegemog	Watson	M 72	0.424 Asphalt-Standa	2018	7 Chip Seal		\$661.44	\$6,105.60	\$742.85	\$6,105.60	\$203.52
994605	Vinton Rd	M 72	Watson	0.129 Asphalt-Standa	2017	2 Crush & Shape		\$201.24	\$1,857.60	\$226.01	\$67,725.00	\$2,257.50

				Whitewater Towns	nip 5 rea	ar Roau i	viaintenance an	iu Replacement	. Planning Guid	ie Detail - Pa	ige z		
State of Mich PRNo	Road Segment Name	From Desc	To Desc	Segment Surf Sub Type Length	Eval Year	PASER Rating	Recommend Fix Type	Projected Maintenance Year	5 Yr Crack Sealing Costs	10 Yr Chip Sealing Costs	5Yr Crack Sealing and 10 yr Chip Sealing Costs Presented Annually	2021 Estimated Costs to Replace All Roads to PASER Rating of 9 or Above	0 Year Road Replacement Cost Presented Annually Without Inflation
994602	Old M72	M 72	Matterhorr	0.232 Asphalt-Standa	2018	5	Chip Seal		\$361.92	\$3,340.80	\$406.46	\$3,340.80	\$111.36
994602	Old M72	Matterhor	r Moore Rd	0.035 Asphalt-Standa	2018	3	Crush & Shape		\$54.60	\$504.00	\$61.32	\$18,375.00	\$612.50
994602	Old M72	Moore Rd	Tuscola	0.156 Asphalt-Standa	2018	4	Wedge & Cap		\$243.36	\$2,246.40	\$273.31	\$7,425.60	\$247.52
994602	Old M72	Tuscola	Elk Lake	0.315 Asphalt-Standa	2018	4	Wedge & Cap		\$491.40	\$4,536.00	\$551.88	\$14,994.00	\$499.80
	Old M72	Elk Lake	Vinton Rd	0.252 Asphalt-Standa	2018		Crush & Shape		\$393.12	\$3,628.80	•	\$132,300.00	\$4,410.00
	Old M72	Vinton Rd		0.447 Asphalt-Standa	2018		Crush & Shape		\$697.32	\$6,436.80		\$234,675.00	\$7,822.50
	Old M72		Cook	0.295 Asphalt-Standa	2018		Wedge & Cap		\$460.20	\$4,248.00		\$14,042.00	\$468.07
	Old M72	Cook		0.236 Asphalt-Standa	2018		Chip Seal		\$368.16	\$3,398.40		\$3,398.40	\$113.28
994602	Old M72		M 72	0.275 Asphalt-Standa	2018		Crush & Shape		\$429.00	\$3,960.00		\$144,375.00	\$4,812.50
994609	Watson Rd	M 72	Mabel	0.476 Asphalt-Standa	2018	5	Chip Seal		\$742.56	\$6,854.40	\$833.95	\$6,854.40	\$228.48
994609	Watson Rd	Mabel	Skegemog	0.25 Asphalt-Standa	2018	3	Crush & Shape		\$390.00	\$3,600.00	\$438.00	\$131,250.00	\$4,375.00
	Angell Rd		Elk Lake Trl	0.594 Sealcoat-Stanc	2018	5	Chip Seal		\$926.64	\$8,553.60		\$8,553.60	\$285.12
	-	Elk Lake Tr		0.03 Sealcoat-Stanc	2018		Wedge & Cap		\$46.80	\$432.00		\$1,428.00	\$47.60
994409	Angell Rd	Elk Lake Tr	l Dead End c	0.046 Sealcoat-Stanc	2018	4	Wedge & Cap		\$71.76	\$662.40	\$80.59	\$2,189.60	\$72.99
	• •		Pineneedle	0.115 Sealcoat-Stanc	2018	4	Wedge & Cap		\$179.40	\$1,656.00		\$5,474.00	\$182.47
1000209	Applewood	Pineneedle	e Raintree	0.137 Sealcoat-Stanc	2018	4	Wedge & Cap		\$213.72	\$1,972.80	\$240.02	\$6,521.20	\$217.37
994401	Hawley Rd	City/Twp L	i Elk Lake	0.781 Sealcoat-Stanc	2018	5	Chip Seal		\$1,218.36	\$11,246.40	\$1,368.31	\$11,246.40	\$374.88
	Briarwood		Elk View	0.08 Sealcoat-Stanc	2018		Crush & Shape		\$124.80	\$1,152.00		\$42,000.00	\$1,400.00
		Williamsbu		0.248 Sealcoat-Stanc	2018		Crush & Shape		\$386.88	\$3,571.20		\$130,200.00	\$4,340.00
			Hillendale I	0.229 Sealcoat-Stanc	2018		Wedge & Cap		\$357.24	\$3,297.60		\$10,900.40	\$363.35
			I Dead End c		2018		Wedge & Cap		\$39.00	\$360.00		\$1,190.00	\$39.67
	Cook Rd	M 72	Watson	0.18 Sealcoat-Stanc	2018		Crush & Shape		\$280.80	\$2,592.00		\$94,500.00	\$3,150.00
	Cook Rd	Watson	Briarwood	0.304 Sealcoat-Stanc	2018		Crush & Shape		\$474.24	\$4,377.60		\$159,600.00	\$5,320.00
	Cook Rd	Briarwood	•	1.196 Sealcoat-Stanc	2018		Crush & Shape		\$1,865.76	\$17,222.40		\$627,900.00	\$20,930.00
	Cook Rd	Ayers	Miami Bea		2018		Crush & Shape		\$170.04	\$1,569.60		\$57,225.00	\$1,907.50
	Cook Rd	Miami Bea		0.143 Sealcoat-Stanc	2018		Crush & Shape		\$223.08	\$2,059.20		\$75,075.00	\$2,502.50
1003506	Cram Rd	Elk Lake	Williamsbu	0.766 Sealcoat-Stanc	2018	3	Crush & Shape		\$1,194.96	\$11,030.40	\$1,342.03	\$402,150.00	\$13,405.00

				Wł	nitewater Townsl	nip 5 Yea	ar Road I	Maintenance ar	nd Replacement	Planning Guid	de Detail - Pa	ge 3		
State of Mich PRNo	Road Segment Name	From Desc	: To Desc	Segment Length	Surf Sub Type	Eval Year	PASER Rating	Recommend Fix Type	Projected Maintenance Year	5 Yr Crack Sealing Costs	10 Yr Chip Sealing Costs	5Yr Crack Sealing and 10 yr Chip Sealing Costs Presented Annually	2021 Estimated Costs to Replace All Roads to PASER Rating of 9 or Above	0 Year Road Replacement Cost Presented Annually Without Inflation
1003506	Cram Rd	Williamsbu	u Ayers	0.598	Sealcoat-Stanc	2018	4	Wedge & Cap		\$932.88	\$8,611.20	\$1,047.70	\$28,464.80	\$948.83
1003506	Cram Rd	Ayers	Okaiyoka	0.503	Sealcoat-Stanc	2018	4	Wedge & Cap		\$784.68	\$7,243.20	\$881.26	\$23,942.80	\$798.09
1003506	Cram Rd	Okaiyoka	Palaestrum	0.246	Sealcoat-Stanc	2018	5	Chip Seal		\$383.76	\$3,542.40	\$430.99	\$3,542.40	\$118.08
1000205	Elk View D	r Hollyberry	Briarwood	0.135	Sealcoat-Stanc	2018	4	Wedge & Cap		\$210.60	\$1,944.00	\$236.52	\$6,426.00	\$214.20
1000205	Elk View D	r Briarwood	Raintree	0.152	Sealcoat-Stanc	2018	4	Wedge & Cap		\$237.12	\$2,188.80	\$266.30	\$7,235.20	\$241.17
1000205	Elk View D	r Raintree	Dead End c	0.045	Sealcoat-Stanc	2018	3	Crush & Shape		\$70.20	\$648.00	\$78.84	\$23,625.00	\$787.50
1865815	Hillendale	I Clearview	Topview Di	0.069	Sealcoat-Stanc	2018	3	Crush & Shape		\$107.64	\$993.60	\$120.89	\$36,225.00	\$1,207.50
1865815	Hillendale	l Topview D	r Dead End c	0.042	Sealcoat-Stanc	2018	4	Wedge & Cap		\$65.52	\$604.80	\$73.58	\$1,999.20	\$66.64
1000206	Hollyberry	Elk View	Applewooc	0.108	Sealcoat-Stanc	2018	4	Wedge & Cap		\$168.48	\$1,555.20	\$189.22	\$5,140.80	\$171.36
1000311	Innis Ln	Gay	Dead End c	0.284	Sealcoat-Stanc	2018	2	Crush & Shape		\$443.04	\$4,089.60	\$497.57	\$149,100.00	\$4,970.00
1003708	Lake Side 1	Baggs		0.274	Sealcoat-Stanc	2018	9	Crack Seal		\$427.44	\$3,945.60	\$480.05	\$427.44	\$14.25
1000303	Munro Rd	Angell		0.632	Sealcoat-Stanc	2018	3	Crush & Shape		\$985.92	\$9 <i>,</i> 100.80	\$1,107.26	\$331,800.00	\$11,060.00
1000303	Munro Rd		Gay Rd	0.369	Sealcoat-Stanc	2018	2	Crush & Shape		\$575.64	\$5,313.60	\$646.49	\$193,725.00	\$6,457.50
1000303	Munro Rd	Gay Rd	Townline	0.987	Sealcoat-Stanc	2018	2	Crush & Shape		\$1,539.72	\$14,212.80	\$1,729.22	\$518,175.00	\$17,272.50
1003508	Palaestrum	Elk Lake	Winnie Ln	0.456	Sealcoat-Stanc	2018	6	Chip Seal		\$711.36	\$6,566.40	\$798.91	\$6,566.40	\$218.88
1003508	Palaestrum	Winnie Ln	Cram	0.134	Sealcoat-Stanc	2018	5	Chip Seal		\$209.04	\$1,929.60	\$234.77	\$1,929.60	\$64.32
1000210	Pineneedle	Applewoo	c Dead End c	0.212	Sealcoat-Stanc	2018	3	Crush & Shape		\$330.72	\$3,052.80	\$371.42	\$111,300.00	\$3,710.00
1000208	Raintree D	ı Elk View	Applewooc	0.061	Sealcoat-Stanc	2018	3	Crush & Shape		\$95.16	\$878.40	\$106.87	\$32,025.00	\$1,067.50
994701	Skegemog	M 72	Lossie	0.561	Sealcoat-Stanc	2018	5	Chip Seal		\$875.16	\$8,078.40	\$982.87	\$8,078.40	\$269.28
994701	Skegemog	Lossie	Kardes Rd	1.255	Sealcoat-Stanc	2018	4	Wedge & Cap		\$1,957.80	\$18,072.00	\$2,198.76	\$59,738.00	\$1,991.27
994701	Skegemog	Kardes Rd	Shadow	0.29	Sealcoat-Stanc	2018	4	Wedge & Cap		\$452.40	\$4,176.00	\$508.08	\$13,804.00	\$460.13
994701	Skegemog	Shadow		0.4	Sealcoat-Stanc	2018	3	Crush & Shape		\$624.00	\$5,760.00	\$700.80	\$210,000.00	\$7,000.00
994701	Skegemog	Point Rd	Kings Rd	0.21	Sealcoat-Stanc	2018	2	Crush & Shape		\$327.60	\$3,024.00	\$367.92	\$110,250.00	\$3,675.00
994701	Skegemog	Kings Rd	Fairview	0.036	Sealcoat-Stanc	2018	2	Crush & Shape		\$56.16	\$518.40	\$63.07	\$18,900.00	\$630.00
994701	Skegemog	Fairview	Fairview	0.173	Sealcoat-Stanc	2018	3	Crush & Shape		\$269.88	\$2,491.20	\$303.10	\$90,825.00	\$3,027.50
994701	Skegemog	Fairview	Dead End c	0.085	Sealcoat-Stanc	2018	2	Crush & Shape		\$132.60	\$1,224.00	\$148.92	\$44,625.00	\$1,487.50

				Whitewater Towns	hip 5 Ye	ar Road Maintenance ar	nd Replacement	Planning Gui	de Detail - Pa	ge 4		
State of Mich PRNo	Road Segment Name	From Desc	: To Desc	Segment Surf Sub Type Length	Eval Year	PASER Recommend Rating Fix Type	Projected Maintenance Year	5 Yr Crack Sealing Costs	10 Yr Chip Sealing Costs	5Yr Crack Sealing and 10 yr Chip Sealing Costs Presented Annually	2021 Estimated Costs to Replace All Roads to PASER Rating of 9 or Above	0 Year Road Replacement Cost Presented Annually Without Inflation
1865806	Topview Dr	Carns	Hillendale	0.216 Sealcoat-Stanc	2018	4 Wedge & Cap		\$336.96	\$3,110.40	\$378.43	\$10,281.60	\$342.72
1108407	Townline R	City/Twp L	i Munro	0.365 Sealcoat-Stanc	2016	6 Chip Seal		\$569.40	\$5,256.00	\$639.48	\$5,256.00	\$175.20
1108407	Townline R	Munro	Elk Lake	0.5 Sealcoat-Stanc	2018	3 Crush & Shape		\$780.00	\$7,200.00	\$876.00	\$262,500.00	\$8,750.00
994605	Vinton Rd	O Dell		0.328 Sealcoat-Stanc	2018	3 Crush & Shape		\$511.68	\$4,723.20	\$574.66	\$172,200.00	\$5,740.00
994605	Vinton Rd			0.241 Sealcoat-Stanc	2018	3 Crush & Shape		\$375.96	\$3,470.40	\$422.23	\$126,525.00	\$4,217.50
994605	Vinton Rd		Whitney	0.144 Sealcoat-Stanc	2018	3 Crush & Shape		\$224.64	\$2,073.60	\$252.29	\$75,600.00	\$2 <i>,</i> 520.00
994605	Vinton Rd	Whitney	Church	0.086 Sealcoat-Stanc	2018	3 Crush & Shape		\$134.16	\$1,238.40	\$150.67	\$45,150.00	\$1,505.00
994605	Vinton Rd	Church	M 72	0.161 Sealcoat-Stanc	2018	3 Crush & Shape		\$251.16	\$2,318.40	\$282.07	\$84,525.00	\$2,817.50
Total Miles				25.987								
Average Pas	ser Rating					3.811						
Total 5 Yr. C	Crack Sealin	g Costs						\$40,539.72				
Total 10 Yr.	Chip Sealin	ng Costs							\$368,280.00			
Annual Crac	ck and Chip	Sealing Co	sts							\$44,586.65		
2020 Costs	to Replace	all Roads									\$7,369,057.44	
Annual Roa	d Replacem	nent Amort	ization									\$245,635.25
Recommen	d Annual Ro	oad Fund A	mounts								\$290,221.90	

Whitewater Township 5 year Road Maintenance and Replacement planning Guide Mix of Fix 2020 Cost Sheet											
Fix Type	2020 Cost Per Mile	Township Split	Road Commission Split	Township Portion	Road Commission Portion	Years	Annual Inflation Rate				
Crack Sealing	\$3,900.00	40%	60%	\$1,560.00	\$2,340.00						
Chip Sealing	\$36,000.00	40%	60%	\$14,400.00	\$21,600.00						
Wedge & Cap	\$119,000.00	40%	60%	\$47,600.00	\$71,400.00						
Crush & Shape	\$750,000.00	70%	30%	\$525,000.00	\$225,000.00						
Duration						30					
Inflation Rate							3%				



Date:	October 8th, 2020
То:	Ron Popp Supervisor, Whitewater Township
From:	Rob Sullivan Project Engineer, Grand Traverse County Road Commission
Re:	Skegemog Point Road Opinion of Probable Construction Cost

Per your request, please find the attached cost estimates for Skegemog Point Road. The proposed project commences at M-72 and terminates at the road's northern end.

The first 1.54 miles north of M-72 would consist of a chip and fog seal supported by HMA wedging. Scenario 1 incorporates 3' asphalt shoulders and HMA valley curb throughout. Scenario 2 omits shoulder widening and valley curb. Both scenarios and their estimated costs are summarized in *Table 1: Chip Seal*.

The remaining 1.38 miles of existing roadway would be pulverized, recycled in-place, and overlayed with 3.5" of asphalt. The proposed cross section of the crush and shape is summarized in *Table 2: Crush & Shape*. The 380' dead end/lake access road would be overlayed with 2" of HMA. The lake access road can be crushed and widened for an additional ~\$20,000.

Table 1: Chip Seal

Scenario		(USI	D)
			/
Scenario 1			
	Wedge, Chip, and Fog Seal w/HMA Shoulders & Curb:	434,462	
	GTCRC Cost Sharing (60%):	(260,677)	
	Subtotal:		173,785
	Crush & Shape:	726,822	
	GTCRC Cost Sharing (30%):	(218,047)	
	Subtotal:		508,775
	Project Subtotal:		<u>682,560</u>
	5% Design and Construction Services:		34,128
	10% Contingency:		71,669
	TOTAL ESTIMATED COST:		788,357
Scenario 2			
	Wedge, Chip, and Fog Seal:	240,819	
	GTCRC Cost Sharing (60%):	(144,491)	
	Subtotal:		96,328
	Crush & Shape:	726,822	
	GTCRC Cost Sharing (30%):	(218,047)	500 555
	Subtotal:		508,775
			(05.102
	<u>Project Subtotal:</u>		<u>605,103</u>
	50/ Deview and Construction Construction		20.255
	5% Design and Construction Services:		30,255
	10% Contingency:		63,536
	TOTAL ESTIMATED COST.		200 004
	TOTAL ESTIMATED COST:		698,894

Crush & Shape Cross Section	Feet
Length of Section:	7,289
Existing HMA Width:	19-20
Proposed HMA Lane Width:	11
Proposed HMA Shoulder Width:	5
Proposed HMA Curb Width:	1.5
Proposed HMA Corridor Width:	32-35
Proposed Gravel Shoulder Width:	1

The attached estimate was created using the MERL (Michigan Engineers' Resource Library) estimating system. A 10% cost of construction was used for a contingency. A 5% cost of construction was used as a preliminary number for design and construction engineering. Please note the attached Opinion of Probable Cost is subject to the following conditions:

- The attached costs are based on preliminary information. The actual site conditions may result in variation of the unit prices or items. It was assumed the material beneath the existing roadway can be reused assubbase.
- Actual construction bids may vary significantly from the attached Opinion of Probable Construction Cost due to timing of construction, changed conditions, labor rate changes, or other factors beyond the control of the Grand Traverse County Road Commission
- This estimate assumes all work is completed in one year as a complete project. Options exist for completion in phases over multiple years.

We appreciate the continued communication and look forward to working with you in the future. Please feel free to contact me anytime.

Rob Sullivan Project Engineer Grand Traverse County Road Commission 1881 LaFranier Road Traverse City MI 49696 231-922-4848, ext 210 rsullivan@gtcrc.org

Whitewater Township								1/21/202 12:35 P
	Prior			urrent Year		(6)	(7)	(8)
Nonth: 1/31/2021	Year Actual	Original Budget	Amended Budget	Actual Thru January	Estimated Total	Requested	Recommended	Adopted
Fund: 210 - AMBULANCE FUND								
Revenues Dept: 000								
402 Property Taxes	317,224	317,000	317,000	47,121	0	353,664		
45 Penalties & Interest	0	0	0	0	0	0		
90 Grants-Private Sources	0	0	0	0	0	0		
26 Fees Charged	0	0	0	0	0	0		
65 Interest Earned	573	100	100	444	0	400		
67 Facility Rent	7,800	7,200	7,200	5,400	0	7,200		
71 Other Revenues	0	0	0	0	0	0		
73 Sale of Fixed Assets	3,710	0	0	0	0	0		
75 Contributions	0	0	0	0	0	0		
87 Refunds	0	0	0	0	0	0		
99 Transfers From Other Funds	65,000	65,000	77,500	12,500	0	0		
Dept: 000	394,307	389,300	401,800	65,465	0	361,264		0
Total Revenues	394,307	389,300	401,800	65,465	0	361,264		0
Expenditures								
Dept: 651 Ambulance 02 Salaries	0	0	0	0	0	0		
03 Wages	0	0	0	0	0	0		
04 Wages (Officers)	0	0	0	0	0			
D5 Training Wages	0	0	0	0	0	0		
08 Duty Crew Wages	0	0	0	0	0	0		
09 On Call Wages	0	0	0	0	0			
15 Social Security (Employer)	0	0	0	0	0			
16 Medicare (Employer)	0	0	0	0	0	0		
21 Loss of Wage	0	0	0	0	0	0		
27 Office Supplies & Expense	0	0	0	0	0	0		
	5		5	v	0			

729 Licenses & Fees	0	0	0	0	00	
739 Fuel & Oil	0	0	0	0	00	
740 Operating Expense & Supplies	0	0	0	0	00	
746 Medical Supplies	0	0	0	0	00	
747 Uniforms	0	0	0	0	00	
801 Legal Services	0	0	0	0	00	
803 Medical Professional Services	0	0	0	0	00	
806 Contractual Services - MMR	295,000	295,000	295,000	295,000	0 295,000	
809 Lawn Maintenance Services	227	800	800	0	0 800	
810 Janitorial Services	3,325	600	600	0	0 600	
Fund: 210 - AMBULANCE FUND Expenditures Dept: 651 Ambulance						
811 Waste Removal Services	96	125	125	81	0 125	
812 Septic Services	0	0	0	0	0 2,000	
813 Billing Services	0	0	0	0	00	
823 State Unemployment	0	0	0	0	00	
830 Pension Plan	0	0	0	0	00	
840 Dues and Memberships	0	0	0	0	00	
845 Snowplowing Services	708	1,500	1,500	100	0 1,500	·
855 Community Education	0	0	0	0	00	·
860 Mileage Reimbursement	0	0	0	0	00	
865 Meal/Lodging Expense	0	0	0	0	00	
880 Education & Training	0	0	0	0	00	
901 Publishing	0	0	0	0	00	
902 Printing	0	0	0	0	00	
920 Natural Gas	720	1,000	1,000	351	0 1,000	
922 Electricity	3,425	4,000	4,000	2,398	0 4,000	
924 Telephone	0	0	0	0	00	
925 Cellular Phone	0	0	0	0	00	
927 Pager	0	0	0	0	00	
928 Water	383	500	500	349	0 500	
930 Facility Repairs/Maintenance	9,071	10,750	10,750	0	0 7,000	
942 Building Rental	0	0	0	0	00	
956 Miscellaneous Expense	0	0	0	0	00	

964 Refunds	0	0	0	0	0	0		
970 Capital Expenditure	3,901	51,000	63,500	61,303	0	0		
Ambulance	316,856	365,275	377,775	359,582	0	312,525	0	0
Dept: 862 Soc Sec/Medicare (Employer) 715 Social Security (Employer)	0	0	0	0	0	0		
716 Medicare (Employer)	0	0	0	0	0	0		
Soc Sec/Medicare (Employer)	0	0	0	0	0	0	0	0
Dept: 890 Contingency 890 Contingency	0	2,500	2,500	0	0	5,000		
Contingency	0	2,500	2,500	0	0	5,000	0	0
Total Expenditures	316,856	367,775	380,275	359,582	0	317,525	0	0
	Change in Fund B	alance		43,739	Fi	und Balance As of 12.31.2021		179,428

BUDGET WORKSHEET Rev thru 12/31 - Exp thru 1/19									
Whitewater Township									1/21/2021 12:35 PM
Month: 1/31/2021	Prior Year Actual	Original Budget	Ci Amended Budget	urrent Year Actual Thru January	Estimated Total	(6) Requested	(7) Recommended	A	(8) dopted
Fund: 401 - PUBLIC IMPROVEMENT FUND Revenues Dept: 000 566 State Grants	0	0	0	0	0	0			
590 Grants-Private Sources	0	0	0	0	0	0			
665 Interest Earned	59	27	27	78					
		0			0	0			
671 Other Revenues	0		0	0	0	0			
695 Proceeds from Loan	0	0	0	0	0	0			
699 Transfers From Other Funds	50,000	50,000	50,000	0	0	0		-	
Dept: 000	50,059	50,027	50,027	78	0	0		0	0
Total Revenues	50,059	50,027	50,027	78	0	0		0	0
Expenditures Dept: 000 804 Professional Services	0	10,000	10,000	0	0	10,000			
816 Co Road Comm Services	0	0	0	0	0	0			
970 Capital Expenditure	0	0	0	0	0	0			
Dept: 000	0	10,000	10,000	0	0	10,000		0	0
Dept: 966 Transfers Out 999 Transfers To Other Funds	0	0	0	0	0	0			
Transfers Out	0	0	0	0	0	0		0	0
Total Expenditures	0	10,000	10,000	0	0	10,000		0	0

Change in Fund Balance

(10,000)

Fund Balance as of 12.31.2021

50,364

	I	Rev thru 12/31 - E	xp thru 1/19					Page:
Whitewater Township								1/21/20 12:35 F
	Prior		C	urrent Year		(6)	(7)	(8)
Month: 1/31/2021	Year Actual	Original Budget	Amended Budget	Actual Thru January	Estimated Total	Requested	Recommended	Adopted
Fund: 406 - FIRE CAPITAL IMPROVEMENT FUND Revenues								
Dept: 000								
590 Grants-Private Sources	15,161	0	0	0	0	0		
665 Interest Earned	684	200	200	198	0	200		
671 Other Revenues	0	0	0	12,500	0	0		
699 Transfers From Other Funds	223,351	10,000	22,500	12,500	0	45,000		
Dept: 000	239,196	10,200	22,700	25,198	0	45,200		0
Total Revenues	239,196	10,200	22,700	25,198	0	45,200		0
Expenditures Dept: 000								
703 Wages	0	0	0	0	0	0		
715 Social Security (Employer)	0	0	0	0	0	0		
716 Medicare (Employer)	0	0	0	0	0	0		
740 Operating Expense & Supplies	0	0	0	0	0	0		
804 Professional Services	0	0	0	0	0	0		
860 Mileage Reimbursement	0	0	0	0	0	0		
970 Capital Expenditure Replacement Chiefs Vehicle	197,928	233,000	245,500	241,601	0	45,000		
Dept: 000	197,928	233,000	245,500	241,601	0	45,000		0
Dept: 862 Soc Sec/Medicare (Employer) 715 Social Security (Employer)	0	0	0	0	0	0		
716 Medicare (Employer)	0	0	0	0	0	0		
Soc Sec/Medicare (Employer)	0	0	0	0	0	0		0
Dept: 890 Contingency 890 Contingency	0	0	0	0	0	0		
Contingency	0	0	0	0	0	0		0
Dept: 908 Debt Service/Fire Capital Imp 991 Debt Service Principal	0	0	0	0	0	0		
997 Debt Service Interest	0	0	0	0	0	0		

Debt Service/Fire Capital Imp	0	0	0	0	0	0	0	0
Total Expenditures	197,928	233,000	245,500	241,601	0	45,000	0	0
Change in Fund Balance	200			Fund Balance as of 12	2.31.2021		17,592	

		BUDGET WOR Marihuana A						Page: 1 1/21/2021
Whitewater Township								12:35 PM
	Prior Year	Original	C Amended	urrent Year Actual Thru	Estimated	(6)	(7)	(8)
Month: Fund: 308 - MARIHUANA FUND Revenues Dept: 000	Actual	Budget	Budget	January	Total	Requested	Recommended	Adopted
402 Property Taxes	0	0	0	0	0	123,456	123,456	123,456
445 Penalties & Interest	0	0	0	0	0			
447 Property Tax Admin Fees	0	0	0	0	0			
448 Collection Fees	0	0	0	0	0			
451 Franchise Fees	0	0	0	0	0			
476 Licenses & Permits	0	0	0	0	0			
566 State Grants	0	0	0	0	0			
573 Local Community Stabilization	0	0	0	0	0			
574 State-Shared Revenues	0	0	0	0	0			
575 Swamp Taxes/Comm Forest Distri	0	0	0	0	0			
590 Grants-Private Sources	0	0	0	0	0			
607 Service Fees	0	0	0	0	0			
608 Interment Fees	0	0	0	0	0			
633 Election Reimbursement	0	0	0	0	0			
642 Sale of Cemetery Lots	0	0	0	0	0			
643 Miscellaneous Sales	0	0	0	0	0			
665 Interest Earned	0	0	0	0	0			
668 Oil & Gas Lease	0	0	0	0	0			
670 Cell Tower Lease	0	0	0	0	0			
671 Other Revenues	0	0	0	0	0			
673 Sale of Fixed Assets	0	0	0	0	0			
678 Gypsy Moth Assessment	0	0	0	0	0			
687 Refunds	0	0	0	0	0			
699 Transfers From Other Funds	0	0	0	0	0			
Dept: 000	0	0	0	0	0	0		0 0

Total Revenues

Expenditures

Dept: 309 MARIHUANA FUND

Dept: 309 MARIHUANA FUND						
702 Salaries	0	0	0	0	0	
703 Wages	0	0	0	0	0	
715 Social Security (Employer)	0	0	0	0	0	
716 Medicare (Employer)	0	0	0	0	0	
727 Office Supplies & Expense	0	0	0	0	0	
728 Postage	0	0	0	0	0	
801 Legal Services	0	0	0	0	0	
802 Audit & Accounting Services	0	0	0	0	0	
804 Professional Services	0	0	0	0	0	
807 Assessing Services	0	0	0	0	0	
809 Lawn Maintenance Services	0	0	0	0	0	
810 Janitorial Services	0	0	0	0	0	
811 Waste Removal Services	0	0	0	0	0	
817 Clean Up Day Services	0	0	0	0	0	
830 Pension Plan	0	0	0	0	0	
840 Dues and Memberships	0	0	0	0	0	
845 Snowplowing Services	0	0	0	0	0	
847 Software Support	0	0	0	0	0	
851 Internet/Website	0	0	0	0	0	
852 Promotional Expenses	0	0	0	0	0	
853 Finance Charges	0	0	0	0	0	
854 Late Fees	0	0	0	0	0	
860 Mileage Reimbursement	0	0	0	0	0	
865 Meal/Lodging Expense	0	0	0	0	0	
880 Education & Training	0	0	0	0	0	
901 Publishing	0	0	0	0	0	
902 Printing	0	0	0	0	0	
903 Township Newsletter Expense	0	0	0	0	0	
922 Electricity	0	0	0	0	0	
923 Electric Heat	0	0	0	0	0	
924 Telephone	0	0	0	0	0	
930 Facility Repairs/Maintenance	0	0	0	0	0	

931 Office Equipment Repairs/Maint	0	0	0	0	0			
940 Equipment Rental	0	0	0	0	0			
941 Postage Meter Rental/Fees	0	0	0	0	0			
955 Grand Vision	0	0	0	0	0			
956 Miscellaneous Expense	0	0	0	0	0			
957 Boardman River Project	0	0	0	0	0			
958 Gypsy Moth Program	0	0	0	0	0			
959 Scrap Tire Expense	0	0	0	0	0			
964 Refunds	0	0	0	0	0			
970 Capital Expenditure	0	0	0	0	0			
971 Land	0	0	0	0	0			
999 Transfers To Other Funds	0	0	0	0	0			
Total Expenditures	0	0	0	0	0	0	0	0