

December 13th, 2021 **AGENDA** Thornapple Township

Our Vision: Your vibrant and natural community, with a small-town heart.

Our Mission: To maintain effective government contributing to sustainable growth through sound investment while preserving the small-town heritage, recreational spaces, active agriculture, and the rural feel of our township.

NOTICE

Zoom Access Computer or Phone

Meeting ID: 823 8526 2223

Passcode: 046158

+1 312 626 6799 US (Chicago)

+1 929 436 2866 US (New York)

1. Invocation

2. Pledge of Allegiance

3. Roll Call:

[] Schaefer [] Buckowing [] Campbell [] DeMaagd [] Selleck [] Rairigh [] Willshire

4. Approval of Printed Agenda:

[] approve as presented [] approve as amended

5. Approval of Consent Agenda: [] approve as presented [] approve as amended

- a. [Minutes of the Regular Meeting of November 8th 2021](#)
- b. DLSA Meeting Minutes [10/4/2021](#)
- c. [Revenue and Expenditure Report](#)
- d. Invoice GL Distribution Report and Approval List Totaling: \$27780.67
[Vendor Check Run](#) [Fund Register](#) [AP Invoice Approval](#)
- e. [Financial Activities and Investments Report](#)
- f. [Planning and Zoning Report](#)
- g. [Emergency Services Committee Minutes of December 8th 2021](#)
- h. [Chief's TTES Run Report](#)
- i. [Code Enforcement Report](#)
- j. [T.A.P.R.C. Meeting Minutes October 4th](#)
- k. Correspondence: [Kent ISD Summer 2022 Tax Resolution](#)

6. First Public Comment: (Please limit comments to 3 minutes)

7. County Report: Commissioner Catherine Getty

8. Reserved Time:

9. Clerk's Report:

10. Treasurer's Report:

11. Emergency Services Report:

- a. Chiefs Run Report Summary
- b. [Fire Extinguisher inspection/service Quote](#)
- c. [Replacement of 2 AED](#)
- d. Summary

12. Unfinished Business:

- a. ARPA Funds Status: Received \$257,275.50 so far

13. New Business:

- a. [Discontinue TAPP Program](#)
- b. [Agenda Request 800mhz Radios](#) [800 MHZ Radio Quotes](#)
- c. [Resolution 16-2021 Duncan Lake Sewer](#)

14. Committee Reports:

- a. Administration (Schaefer, Buckowing, Willshire)
- b. Cemetery (Willshire, DeMaagd, Rairigh)
- c. Middleville DDA Report (Schaefer)
- d. Elections (Willshire, Buckowing, Schaefer)
- e. Emergency Services (DeMaagd, Schaefer, Rairigh)
- f. Finance (Buckowing, Willshire, Rairigh)
- g. Parks and Recreation Report (Getty)
- h. Personnel – Compensation (Willshire, Campbell, Schaefer)
- i. Property and Public Utilities (Selleck, DeMaagd, Campbell)
- j. Roads and Highways (Campbell, DeMaagd, Selleck)
- k. Duncan Lake Sewer (Campbell, Selleck, Schaefer)

15. Second Public Comment Period (Please limit comments to 5 minutes)

16. Poll of Members:

Kim Selleck (Trustee)
Sandy Rairigh (Trustee)
Ross DeMaagd (Trustee)
Curt Campbell (Trustee)
Deb Buckowing (Treasurer)
Cindy Willshire (Clerk)
Eric Schaefer (Supervisor)

Adjournment time: _____ pm

Next regular monthly meeting scheduled for January 10th, 2021 @ 7:00 p.m.

TOWNSHIP OF THORNAPPLE

Erie Schaefer, *Supervisor* / Debra K Buckowing, *Treasurer* / Cindy A. Willshire, *Clerk*
Curt Campbell, *Trustee* / Ross DeMaagd, *Trustee* / Kim Selleck, *Trustee* / Sandra Rairigh, *Trustee*

269-795-7202 - Fax 269-795-8812 - thornapple-twp.org
PO Box 459 - 200 E Main St. - Middleville, MI 49333



REGULAR MEETING ZOOM MEETING & IN PERSON November 8, 2021

1. INVOCATION
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL

TIME: 7:00 P.M.

ROLL CALL:	Buckowing: Campbell: DeMaagd: Rairigh:	Present Present Present Present	Schaefer: Selleck: Willshire:	Present Present Absent
OTHERS PRESENT:	Chief Randy Eaton, Commissioner Catherine Getty, Amy Brown, Patty Rayl, Greg Chandler (arrived at 8 pm)			

4. APPROVAL OF PRINTED AGENDA:

MOTION STATED:	Campbell - Motion to approve the printed agenda as amended with 11 A. added Request to purchase door opener motor for TTES and 13 C. revised.
MOTION SUPPORTED:	Rairigh
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

5. APPROVAL OF CONSENT AGENDA:

MOTION STATED:	Buckowing - Motion to approve the consent agenda as amended with 10/25/21 meeting minutes pulled out for discussion, and the revenue and expenditure report updated to include all departments not just sewer.
MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

MOTION STATED:	Selleck - Motion to approve the Minutes of the Regular Meeting of October 11, 2021, with the phrase 'a closed session of' stricken from the County Commissioner's Report.
MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

6. FIRST PUBLIC COMMENT: None.

7. COUNTY REPORT:

County Commissioner Catherine Getty:	Getty stated that the Barry County Budget for 2022 of \$ 19,269,628 was adopted. They released the county's legal opinion regarding the Health Department's mask mandate, termination of the Health Officer, oath of office and withholding of county funding. The attorney advised that the county does not have legal standing for these actions. The County Board also received the ARPA committee's recommendation for the first round of funding of \$6 million. The committee of the whole will discuss the recommendations received prior to any final decisions. Also, a visit to the Branch County jail ribbon cutting ceremony was made by several commissioners. They will consider what information may help as they prepare plans to update the Barry County jail and in requesting a millage for such a project.
Board Response:	Campbell asked Getty how much the jail cost. Getty stated that the Branch County jail had more beds. But some were 'rented out' to house inmates from other counties which impacts the overall costs to Branch County. However, Branch County did hire a private firm to help them explain the risk factors of the current situation and the need for a new jail to voters when they went for a millage to pay for the facility.

8. RESERVED TIME: None.

9. CLERK'S REPORT: See consent agenda

10. TREASURER'S REPORT: See consent agenda

11. EMERGENCY SERVICES REPORT:

A. Request for expenditures –

1. Chief Eaton explained to the board that the garage door had been malfunctioning and it was discovered that the door opener gear was bad and couldn't be replaced. The first door was retrofitted a while ago. This request is for the second door to replace the motor as the part is no longer available. The third door has started to act up, but Zylstra was able to adjust that one and it is now working. Chief requests the second door opener motor be replaced at a cost of \$1280.00. Rairigh asked if that included the warranty. Eaton said yes. Campbell asked if it was a "Lift Master." Eaton said that it was. DeMaagd asked if he could see the worn-out gear from the second door to see if it was possible to manufacturer a replacement for the third door for when it is needed.

MOTION STATED:	DeMaagd-Motion to approve the purchase of a replacement door opener motor for a cost of \$1,280.00.
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MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by roll call. 6 yes votes, 0 no's and 1 absent.

ROLL CALL VOTE:	Buckowing:	Yes	Schaefer:	Yes
	Campbell:	Yes	Selleck:	Yes
	DeMaagd:	Yes	Willshire:	Absent
	Rairigh:	Yes		

2. Chief Eaton requested approval of purchase six Motorola pagers with chargers, warranties, and programming for a cost not to exceed \$3,500.00 as discussed during the Emergency Services Committee meeting on November 3.

MOTION STATED:	DeMaagd-Motion to approve the purchase of six Motorola pagers not to exceed \$3,500.00
MOTION SUPPORTED:	Selleck
MOTION STATUS:	Approved by roll call. 6 yes votes, 0 no's and 1 absent.

ROLL CALL VOTE:	Buckowing:	Yes	Schaefer:	Yes
	Campbell:	Yes	Selleck:	Yes
	DeMaagd:	Yes	Willshire:	Absent
	Rairigh:	Yes		

3. Chief Eaton announced that he has reviewed options for swift water rescue equipment. He announced to the board that a resident gave a very generous donation earmarked for this equipment and was very appreciative to them because these funds along with funds received through the turkey dinner held during Heritage Days and some other donations given in memorial, would be enough to make a purchase of dry suits and other starting gear needed for swift water rescue. Chief Eaton asked to board to approve a purchase in the amount of \$4,569. Buckowing suggested that the funds raised were closer to \$6,000. DeMaagd asked Eaton if there was other equipment on his want list that he could use all the funds up at once. Buckowing suggested making an initial purchase and then waiting to see what other needs might come up after the initial purchase was made. Chief Eaton said that he would review his list and see about getting closer to the \$5,000 mark with some for use in the future. Eaton again thanked the anonymous donor for their contribution.

MOTION STATED:	Rairigh-Motion to approve the purchase of swift water rescue dry suits and accompanying equipment not to exceed \$5,000.00.
MOTION SUPPORTED:	Buckowing
MOTION STATUS:	Approved by roll call. 6 yes votes, 0 no's and 1 absent.

ROLL CALL VOTE:	Buckowing:	Yes	Schaefer:	Yes
	Campbell:	Yes	Selleck:	Yes
	DeMaagd:	Yes	Willshire:	Absent
	Rairigh:	Yes		

B. Summary - Chief Eaton reviewed the call summary log included in the board packet. He specifically discussed the continued increase in calls received. He stated there is a 33.6% increase over last year at this time. DeMaagd asked Eaton with the increase in calls, how staff is handling keeping up with the administration side of things. Eaton said they have been able to keep up with paperwork at this time. Klutman had come in on his day off to get caught up. DeMaagd asked if the board should take action soon to get help. Eaton said not just yet. Getty asked Eaton why there is a such a big increase over last year. Eaton said he wasn't sure, but he thinks people are a little more nervous about their health. However, fires have also increased. Partly because the fire department become the first responder when the ambulances are already out on a call. Eaton believes residents across the county, as well as the state, are calling on responders more as they are nervous about their health partly due to the media coverage and their concerns over covid.

12. UNFINISHED BUSINESS:

A. ARPA Funds – Jennifer Heinzman will be attending the next Budget Meeting to answer any questions the board has about what projects they are able to spend their ARPA funds on. Also, a reminder that there is still plenty of time to decide before having to spend those funds.

13. NEW BUSINESS:

A. Appointment of Residents – Schaefer explained that it is time to appoint residents to various boards again.

MOTION STATED:	Buckowing-Motion to approve the appointment of Marty Wenger as a Board of Review alternate.
MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

MOTION STATED:	Buckowing -Motion to approve the appointment of Diane Vanderwerp as a ZBA alternate.
MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

MOTION STATED:	Buckowing-Motion to approve the appointment of Liz Hansson to the Planning Commission.
MOTION SUPPORTED:	Campbell
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

B. Barry County Home Show (\$200.00) – Schaefer said that the City of Hastings, the Village of Middleville, and Thornapple Township would share a booth for a cost of \$200 each if the board decided to do that. Getty asked if it would be staffed by volunteers just like for the Barry County Fair. Schaefer said yes although he figured he would do most of the weekend hours if needed. Schaefer feels this would be a good opportunity to meet residents.

MOTION STATED:	Schaefer – Motion to host one-third of a booth at the Barry County Home Show for a cost of \$200.00.
MOTION SUPPORTED:	Buckowing
MOTION STATUS:	Approved by roll call. 6 yes, 0 no's and 1 absent.

ROLL CALL VOTE:	Buckowing:	Yes	Schaefer:	Yes
	Campbell:	Yes	Selleck:	Yes
	DeMaagd:	Yes	Willshire:	Absent
	Rairigh:	Yes		

C. Resolution 15-2021 Partial Termination of a Farmland Development Rights Agreement with a Pre-Existing Structure – Getty recommends the board postpone the vote on the resolution to allow for further preparation. Schaefer asked the board if they were in agreement to putting it on the December board meeting. All were in agreement with that.

MOTION STATED:	Buckowing – Motion to postpone the vote on Resolution 15-2021 until the December Board Meeting.
MOTION SUPPORTED:	Rairigh
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's, and 1 absent.

D. Budget Amendment 101-445-808.000 (Professional Service, Drains) From \$1500 to \$2500

MOTION STATED:	Buckowing – Motion to approve the budget amendment to GL# 101-445-808.000 Professional Services, Drain from \$1,500 to \$2,500.
MOTION SUPPORTED:	Rairigh
MOTION STATUS:	Approved by roll call. 6 yes, 0 no's and 1 absent.

ROLL CALL VOTE:	Buckowing:	Yes	Schaefer:	Yes
	Campbell:	Yes	Selleck:	Yes
	DeMaagd:	Yes	Willshire:	Absent
	Rairigh:	Yes		

E. 2022 Holiday Schedule – Schaefer asked the board to look at the schedule included in the board packet for days the offices would be closed for the holidays. Board members did not have any questions, comments, or concerns.

MOTION STATED:	Buckowing – Motion to approve the 2022 Holiday Schedule.
MOTION SUPPORTED:	Selleck
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

F. Planning Commission Recommended Ordinance Amendments – Getty explained that the need arose after a review of the ordinances when a special permit application had recently been received. The Planning Commission felt that it didn't fit to allow two family dwellings in the less densely populated agricultural zone if it wasn't allowed in the more densely populated agricultural – residential zone. This would push these types of dwellings to the joint planning as a possible annexation into the village. DeMaagd asked what the issue is if the health department says that a well and septic field are accessible on the property to supply a two-family dwelling then why not allow it. Why does it have to be limited to only if there is public water. These amendments give consistency and clarity to the issue of where two-family dwellings are allowed. Getty further clarified that mother-in-law suites and secondary structures are still permissible within both of those zones. DeMaagd stated he is a proponent of property owner rights. DeMaagd stated that duplexes on Kalamazoo Avenue where the density isn't high doesn't seem to be invasive. DeMaagd feels property owners should have the ability to do what they want. Selleck said he could understand agricultural property having duplex or multi-family homes on the property and that it seems reasonable to him. Getty stated that this isn't further restriction but rather an issue of consistency within the zoning ordinances that are already in place.

MOTION STATED:	Rairigh – Motion to approve the Planning Commission's recommended ordinance amendments regarding two-family residential buildings.
MOTION SUPPORTED:	Buckowing
MOTION STATUS:	Approved by roll call vote. 4 yes, 2 no's and 1 absent.

ROLL CALL VOTE:	Buckowing: Campbell: DeMaagd: Rairigh:	Yes Yes No Yes	Schaefer: Selleck: Willshire:	Yes No Absent
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14. COMMITTEE REPORTS:

A. Administration (Schaefer, Buckowing, Willshire) – None.

B. Cemetery (Willshire, DeMaagd, Rairigh) – DeMaagd stated that the recently renovated roads in the cemetery are complete and look great.

C. Middleville DDA Report (Schaefer) – Schaefer said Christmas planning is underway and there will be a parade on Saturday, December 11. Schaefer and his wife will be emceeding the festivities.

D. Elections (Willshire, Buckowing, Schaefer) – None.

E. Emergency Services (DeMaagd, Schaefer, Rairigh) – Covered already.

F. Finance (Buckowing, Willshire, Rairigh) – None.

G. Parks and Recreation Report (Getty) – Getty said TAPRC board with the Village of Middleville had melded the two Sheridan Park designs into one final plan. Williams and Works will be finalizing that design and then starting on an implementation plan. Funding will be the biggest issue though there are many grants available for which they hope to apply. They will likely take a phased approach and see development of the park over time. TAPRC has found a new home at the middle school for the Charity Shed and it will be moving soon. The dental office has changed ownership and now is a good time to make the transition. Although baseball and softball season has ended, there is still much work that is taking place. For example, the equipment shed on Crane Road is in disrepair and they are replacing it with a pre-built shed that will sit on a skid. That way it can be used for a couple of years at the Crane Road location until they move activities to the new Sheridan Park once that is built and ready for use.

H. Personnel – Compensation (Willshire, Campbell, Schaefer) – None.

I. Property and Public Utilities (Selleck, DeMaagd, Campbell) – None.

J. Roads and Highways (Campbell, DeMaagd, Selleck) – None.

K. Duncan Lake Sewer (Campbell, Selleck, Schaefer) – Selleck asked if they are still waiting on Progressive to come back. Schaefer confirmed they are. Campbell asked if Consumers Energy had come back with a price on the 3-phase power yet. Schaefer said yes and it is about what they had expected it to be, which is about \$140,000.

L. Oak Opening (Getty, Schaefer, Selleck) – No activity until the Spring.

16. SECOND PUBLIC COMMENT PERIOD:

17. POLL OF MEMBERS:

Kim Selleck (Trustee) – Hopes that next time the rotation on the poll of members could be changed.

Sandy Rairigh (Trustee) – Pointed out the copy of the email she had received from Jake Jelsema, former trustee, and had given to each board member. The email stated there may be new options for sewer funding next year.

Ross DeMaagd (Trustee) – No comment.

Curt Campbell (Trustee) – Asked Getty about the memo included in her County Commissioner report showing \$100,000,000 in funding. Getty confirmed this referenced a state-wide amount, not county wide.

Deb Buckowing (Treasurer) – No comment.

Cindy Willshire (Clerk) – Absent.

Eric Schaefer (Supervisor) – No comment.

18. ADJOURNMENT:

TIME: 8:28 P.M.

MOTION STATED:	Buckowing – Motion to adjourn.
MOTION SUPPORTED:	Selleck
MOTION STATUS:	Approved by voice vote. 6 ayes, 0 no's and 1 absent.

Amy Brown, Recording Secretary

Approved____/2021__

DUNCAN LAKE SEWER AUTHORITY

Minutes of Meeting on Monday, October 4, 2021 at Thornapple Township Hall

Meeting was called to order at 7:37 PM

Item #1 – Roll Call: Eric Schaefer, Curt Campbell, Todd Hulst, Joe Lyons and Bryan Finkbeiner were present. A guest was Dan Westenburg (Progressive AE). Kim Selleck and Larry Schaidt were absent (excused).

Item #2 – Secretary’s Minutes: Approval of minutes of 9/20/2021 meeting. Hulst motioned to approve as submitted, with support from Schaefer. Unanimously approved.

Item #3 – Reserved Time: None

Item #4 – Public Comment: None

Item #5 - Lyons Report: John Curtis mobile number is 269-838-0068. John is in the process of taking over Joe and Barb’s Septic Service.

Item #6 – Finkbeiner Report:

- a) The aerator motor went out is not fixable; a new motor was purchased for \$1257.05.
- b) Pre discharge samples were taken today and submitted for testing. Results will take about a week.

Item #7 – Unfinished Business:

- a) Sewer upgrade funding: Invoices are arriving monthly from Progressive AE, making an impact on Sewer fund reserves; we need to take action on project funding.

Item #8 – New Business:

- a) Peace Church Connection Counter Offer: See accompanying pdf of the full detail of the counter offer. In summary, Peace offered to pay for 4 REU connections (\$48,000) plus 11% of the project cost (basically 4/37 of the cost, citing “their share” of the project cost, based on the REU value). Schaefer motioned to not accept the Peace Church counter offer as written, with support from Campbell. Motion unanimously passed.
- b) Appointment of a negotiator for further Peace Church connection negotiations: Tabled in light of both Schaidt and Selleck not present to share their thoughts.
- c). Communication on behalf of the Authority must be approved by the Authority: no specific action taken – it speaks for itself.

Item #9 – Closing Comments: Curt wondered aloud that if ammonia levels are significantly higher in our system as compared to other similar systems, we could potentially take samples at any of the 143 residences connected to see if we might learn where it’s coming from.

Item #10 - Next Meeting: TBD

Item #11 – Adjournment: 8:31 PM

Respectfully Submitted,
Curt Campbell, Secretary

User: CINDY

PERIOD ENDING 11/30/2021

DB: THORNAPPLE

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22		YTD BALANCE		ACTIVITY FOR		AVAILABLE			
		AMENDED BUDGET	NORMAL	11/30/2021	(ABNORMAL)	MONTH 11/30/2021	INCREASE (DECREASE)	NORMAL	(ABNORMAL)	BODGT	USED
Fund 101 - GENERAL FUND											
Revenues											
Dept 000											
101-000-079.000	AMERICAN RESCUE PLAN	0.00		257,275.50		0.00		(257,275.50)		100.00	
101-000-402.000	CURRENT TAX COLLECTION	297,343.00		10,999.14		0.00		286,343.86		3.70	
101-000-405.000	HILLTOP LITE/SP ASSESSMENT	2,220.00		60.00		0.00		2,160.00		2.70	
101-000-447.000	PROP TAX ADMINISTRATION FEES	130,365.00		42,197.85		99.67		88,167.15		32.37	
101-000-450.000	MOBILE HOME FEES	1,500.00		769.00		0.00		731.00		51.27	
101-000-574.000	STATE SHARED REVENUE	400,370.00		307,272.00		0.00		93,098.00		76.75	
101-000-610.000	WRIT OF GARNISHMENT	0.00		35.00		35.00		(35.00)		100.00	
101-000-626.100	CHG FOR SERV/SUMMER SCHOOL TAX	8,350.00		8,480.00		0.00		(130.00)		101.56	
101-000-626.200	CHRG FOR SERV/ZONING	6,500.00		6,345.00		320.00		155.00		97.62	
101-000-643.000	SALE OF CEMETERY LOTS	2,500.00		13,170.00		2,125.00		(10,670.00)		526.80	
101-000-643.100	CEM OPEN/CLOSING FEES	10,000.00		10,220.00		600.00		(220.00)		102.20	
101-000-643.200	CEM FOUNDATION FEES	6,000.00		4,953.23		518.00		1,046.77		82.55	
101-000-665.000	EARNED INTEREST	6,000.00		379.71		12.58		5,620.29		6.33	
101-000-694.000	MISC REVENUE	500.00		12,191.00		0.00		(11,691.00)		2,438.20	
101-000-694.100	METRO ACT	6,000.00		6,613.41		0.00		(613.41)		110.22	
Total Dept 000		877,648.00		680,960.84		3,710.25		196,687.16		77.59	
Dept 441 - PERSONAL PRORPERTY TAXES REIMBURSEMENT											
101-441-402.200		1,000.00		0.00		0.00		1,000.00		0.00	
Total Dept 441 - PERSONAL PRORPERTY TAXES REIMBURSEMENT		1,000.00		0.00		0.00		1,000.00		0.00	
TOTAL REVENUES		878,648.00		680,960.84		3,710.25		197,687.16		77.50	
Expenditures											
Dept 103 - TOWNSHIP BOARD											
101-103-702.000	SALARIES/TRUSTEES	10,000.00		5,550.00		685.00		4,450.00		55.50	
101-103-702.100	OTHER WAGES/RECORDING SECRETARY	1,000.00		495.00		75.00		505.00		49.50	
101-103-715.000	FICA/MEDICARE CONTRIBUTION	1,000.00		466.81		58.32		533.19		46.68	
101-103-719.000	PENSION PLAN	200.00		56.75		2.25		143.25		28.38	
101-103-956.000	MISCELLANEOUS	100.00		0.00		0.00		100.00		0.00	
101-103-960.000	EDUCATION AND TRAINING	1,500.00		597.00		0.00		903.00		39.80	
Total Dept 103 - TOWNSHIP BOARD		13,800.00		7,165.56		820.57		6,634.44		51.92	
Dept 175 - SUPERVISOR											
101-175-702.000	SALARIES	32,660.00		21,319.99		2,512.02		11,340.01		65.28	
101-175-702.001	NON-STATUTORY DUTY SALARY	12,340.00		5,280.17		1,455.12		7,059.83		42.79	
101-175-715.000	FICA/MEDICARE CONTRIBUTION	2,500.00		1,945.61		292.87		554.39		77.82	
101-175-718.000	HEALTH INSURANCE PREMIUM	26,500.00		17,786.36		(138.76)		8,713.64		67.12	
101-175-719.000	PENSION PLAN	2,000.00		0.00		0.00		2,000.00		0.00	
101-175-956.000	MISCELLANEOUS	250.00		0.00		0.00		250.00		0.00	
101-175-960.000	EDUCATION AND TRAINING	2,000.00		493.87		493.87		1,506.13		24.69	
Total Dept 175 - SUPERVISOR		78,250.00		46,826.00		4,615.12		31,424.00		59.84	
Dept 191 - ELECTIONS											
101-191-702.000	SALARIES	3,000.00		0.00		0.00		3,000.00		0.00	
101-191-719.000	PENSION PLAN	40.00		0.00		0.00		40.00		0.00	

User: CINDY

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

DB: THORNAPPLE

GL NUMBER	DESCRIPTION	2021-22		YTD BALANCE		ACTIVITY FOR		AVAILABLE	
		AMENDED BUDGET	NORMAL (ABNORMAL)	11/30/2021	INCREASE (DECREASE)	MONTH 11/30/2021		NORMAL (ABNORMAL)	% BDC
									USED
Fund 101 - GENERAL FUND									
Expenditures									
101-191-730.000	POSTAGE	3,000.00		0.00	0.00			3,000.00	0.00
101-191-740.000	OFFICE/OPERATING SUPPLIES	4,000.00		(597.78)	(25.00)			4,597.78	(14.94)
101-191-808.000	PROFESSIONAL SERVICES-MISC	400.00		2,590.00	0.00			(2,190.00)	647.50
101-191-905.000	PUBLISHING	500.00		0.00	0.00			500.00	0.00
101-191-956.000	MISCELLANEOUS	200.00		0.00	0.00			200.00	0.00
Total Dept 191 - ELECTIONS		11,140.00		1,992.22	(25.00)			9,147.78	17.88
Dept 209 - ASSESSOR									
101-209-730.000	POSTAGE	3,000.00		0.00	0.00			3,000.00	0.00
101-209-808.000	PROF SERVICES - CONTRACTOR	51,500.00		34,608.00	4,326.00			16,892.00	67.20
101-209-808.100	PROF SERV - OTHER	300.00		235.00	0.00			65.00	78.33
101-209-826.000	LEGAL FEES	5,000.00		175.50	0.00			4,824.50	3.51
Total Dept 209 - ASSESSOR		59,800.00		35,018.50	4,326.00			24,781.50	58.56
Dept 215 - CLERK									
101-215-702.000	SALARIES	31,796.00		20,758.61	2,445.86			11,037.39	65.29
101-215-702.001	NON-STATUTORY DUTY SALARY	13,627.00		8,896.54	1,048.22			4,730.46	65.29
101-215-702.100	OTHER WAGES/DEPUTY CLERK	27,810.00		16,540.40	1,909.99			11,269.60	59.48
101-215-715.000	FICA/MEDICARE CONTRIBUTION	5,500.00		3,940.25	460.89			1,559.75	71.64
101-215-718.100	PYMT IN LIEU OF INSURANCE	4,231.20		3,173.40	370.23			1,057.80	75.00
101-215-719.000	PENSION PLAN	4,000.00		2,137.62	250.51			1,862.38	53.44
101-215-956.000	MISCELLANEOUS	250.00		0.00	0.00			250.00	0.00
101-215-960.000	EDUCATION AND TRAINING	1,200.00		290.00	290.00			910.00	24.17
Total Dept 215 - CLERK		88,414.20		55,736.82	6,775.70			32,677.38	63.04
Dept 247 - BOARD OF REVIEW									
101-247-702.000	SALARIES	2,400.00		240.00	0.00			2,160.00	10.00
101-247-715.000	FICA/MEDICARE CONTRIBUTION	200.00		18.36	0.00			181.64	9.18
101-247-956.000	MISCELLANEOUS	100.00		16.00	0.00			84.00	16.00
101-247-960.000	EDUCATION AND TRAINING	400.00		0.00	0.00			400.00	0.00
Total Dept 247 - BOARD OF REVIEW		3,100.00		274.36	0.00			2,825.64	8.85
Dept 253 - TREASURER									
101-253-702.000	SALARIES	39,800.00		25,983.63	3,061.49			13,816.37	65.29
101-253-702.001	NON-STATUTORY DUTY SALARY	9,950.00		6,495.75	765.35			3,454.25	65.28
101-253-702.100	OTHER WAGES	28,840.00		17,729.65	2,080.99			11,110.35	61.48
101-253-715.000	FICA/MEDICARE CONTRIBUTION	6,000.00		3,943.74	463.95			2,056.26	65.73
101-253-718.000	HEALTH INSURANCE PREMIUM	26,500.00		17,786.36	(138.76)			8,713.64	67.12
101-253-719.000	PENSION PLAN	4,000.00		2,510.44	295.39			1,489.56	62.76
101-253-956.000	MISCELLANEOUS	100.00		0.00	0.00			100.00	0.00
101-253-960.000	EDUCATION AND TRAINING	1,500.00		0.00	0.00			1,500.00	0.00
Total Dept 253 - TREASURER		116,690.00		74,449.57	6,528.41			42,240.43	63.80
Dept 265 - TOWNSHIP HALL									
101-265-808.000	PROFESSIONAL SERVICES	5,000.00		3,925.00	945.00			1,075.00	78.50
101-265-920.000	UTILITIES	5,500.00		2,517.83	320.97			2,982.17	45.78

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GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021 NORMAL (ABNORMAL)	ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE NORMAL (ABNORMAL)	% BGET USED
Fund 101 - GENERAL FUND						
Expenditures						
101-265-930.000	REPAIR & MAINT/ BLDG & GRNDS	4,000.00	8,703.76	0.00	(4,703.76)	217.59
101-265-956.000	MISCELLANEOUS	100.00	0.00	0.00	100.00	0.00
101-265-970.000	CAPITAL OUTLAY	11,000.00	10,267.00	0.00	733.00	93.34
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Total Dept 265 - TOWNSHIP HALL		25,600.00	25,413.59	1,265.97	186.41	99.27
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Dept 276 - CEMETERY						
101-276-740.000	OFFICE/OPERATING SUPPLIES	200.00	0.00	0.00	200.00	0.00
101-276-808.000	PROFESSIONAL SERVICES-MISC	26,800.00	15,633.31	0.00	11,166.69	58.33
101-276-808.100	OPEN/CLOSING FEES	10,000.00	9,400.00	0.00	600.00	94.00
101-276-808.200	FOUNDATION FEES	6,000.00	3,943.83	0.00	2,056.17	65.73
101-276-808.300	PLANNING & ENGINEERING	5,000.00	0.00	0.00	5,000.00	0.00
101-276-930.000	REPAIR & MAINT	13,500.00	14,526.81	13,470.00	(1,026.81)	107.61
101-276-931.000	BLDG & GROUNDS IMPROVEMENTS	1,000.00	783.58	62.70	216.42	78.36
101-276-956.000	MISCELLANEOUS	600.00	282.74	147.56	317.26	47.12
101-276-960.000	EDUCATION AND TRAINING	100.00	0.00	0.00	100.00	0.00
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Total Dept 276 - CEMETERY		63,200.00	44,570.27	13,680.26	18,629.73	70.52
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Dept 299 - ADMINISTRATION						
101-299-702.000	SALARIES	23,175.00	14,483.76	1,678.33	8,691.24	62.50
101-299-702.200	SALARIES-TAPRC REC DIRECTOR	0.00	(1,801.31)	(3,028.85)	1,801.31	100.00
101-299-715.000	FICA/MEDICARE CONTRIBUTION	1,800.00	969.01	(103.30)	830.99	53.83
101-299-719.000	PENSION PLAN	1,160.00	250.00	0.00	910.00	21.55
101-299-719.100	PENSION ADMIN EXPENSE	800.00	180.00	0.00	620.00	22.50
101-299-730.000	POSTAGE	4,000.00	2,846.00	0.00	1,154.00	71.15
101-299-740.000	OFFICE/OPERATING SUPPLIES	13,000.00	4,570.47	1,307.92	8,429.53	35.16
101-299-803.000	AUDIT EXPENSE	4,200.00	3,887.75	0.00	312.25	92.57
101-299-808.000	PROFESSIONAL SERVICES-MISC	45,423.00	25,547.20	3,168.36	19,875.80	56.24
101-299-826.000	LEGAL FEES	6,000.00	1,474.00	0.00	4,526.00	24.57
101-299-850.000	TELEPHONE EXPENSE	9,000.00	6,893.03	446.71	2,106.97	76.59
101-299-880.000	COMMUNITY PROMOTIONS	12,000.00	10,500.15	325.00	1,499.85	87.50
101-299-905.000	PUBLISHING	1,000.00	316.35	34.20	683.65	31.64
101-299-908.000	TOWNSHIP NEWSLETTER	900.00	0.00	0.00	900.00	0.00
101-299-910.000	INSURANCE AND BONDS	7,500.00	8,390.64	0.00	(890.64)	111.88
101-299-930.000	REPAIR & MAINT-GENERAL	4,000.00	0.00	0.00	4,000.00	0.00
101-299-956.000	MISCELLANEOUS	300.00	132.00	0.00	168.00	44.00
101-299-956.200	PRIOR YEAR TAX	200.00	4.40	0.00	195.60	2.20
101-299-956.300	PRIOR YEAR TAX ADMIN FEES	200.00	113.46	0.00	86.54	56.73
101-299-958.000	MEMBERSHIP AND DUES	6,500.00	6,323.20	75.00	176.80	97.28
101-299-960.000	EDUCATION AND TRAINING	500.00	0.00	0.00	500.00	0.00
101-299-970.000	CAPITAL OUTLAY	0.00	2,792.02	2,792.02	(2,792.02)	100.00
101-299-979.000	EQUIPMENT - LEASED	3,500.00	4,216.66	0.00	(716.66)	120.48
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Total Dept 299 - ADMINISTRATION		145,158.00	92,088.79	6,695.39	53,069.21	63.44
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Dept 400 - PLANNING & ZONING						
101-400-702.000	SALARIES/PLANNING COMMISSION & CHAIR	5,000.00	2,485.00	415.00	2,515.00	49.70
101-400-702.100	OTHER WAGES / RECORDING SECRETARY	500.00	400.00	80.00	100.00	80.00
101-400-702.200	ZONING ADMIN/ENF OFFICER	45,423.00	30,655.15	3,494.08	14,767.85	67.49
101-400-702.300	ZONING BOARD OF APPEALS	1,000.00	575.00	80.00	425.00	57.50
101-400-702.600	ORDINANCE ENFORCEMENT OFFICER	7,365.00	4,184.51	420.24	3,180.49	56.82
101-400-715.000	FICA/MEDICARE CONTRIBUTION	4,550.00	3,017.30	353.34	1,532.70	66.31

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PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021 NORMAL (ABNORMAL)	ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE NORMAL (ABNORMAL)	% BGT USED
Fund 101 - GENERAL FUND						
Expenditures						
101-400-718.000	HEALTH INSURANCE PREMIUM	11,550.00	6,046.94	(47.84)	5,503.06	52.35
101-400-719.000	PENSION PLAN	2,270.00	1,544.73	177.10	725.27	68.05
101-400-808.000	PROFESSIONAL SERVICES-MISC	2,000.00	0.00	0.00	2,000.00	0.00
101-400-826.000	LEGAL FEES	1,500.00	1,046.00	0.00	454.00	69.73
101-400-905.000	PUBLISHING	500.00	422.40	89.76	77.60	84.48
101-400-956.000	MISCELLANEOUS	1,500.00	690.52	89.04	809.48	46.03
101-400-958.000	MEMBERSHIP AND DUES	625.00	60.00	0.00	565.00	9.60
101-400-960.000	EDUCATION AND TRAINING	2,000.00	0.00	0.00	2,000.00	0.00
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Total Dept 400 - PLANNING & ZONING		85,783.00	51,127.55	5,150.72	34,655.45	59.60
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Dept 445 - DRAINS						
101-445-808.000	PROFESSIONAL SERVICES-DRAINS	2,500.00	2,318.45	0.00	181.55	92.74
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Total Dept 445 - DRAINS		2,500.00	2,318.45	0.00	181.55	92.74
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Dept 448 - STREETLIGHTING						
101-448-920.200	OTHER STREET LIGHTING	3,500.00	2,560.14	371.81	939.86	73.15
101-448-920.300	UTILITIES / HILLTOP	2,200.00	1,251.04	178.72	948.96	56.87
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Total Dept 448 - STREETLIGHTING		5,700.00	3,811.18	550.53	1,888.82	66.86
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Dept 449 - HIGHWAYS						
101-449-930.100	ROADS / DUST CONTROL	16,200.00	15,960.80	0.00	239.20	98.52
101-449-930.300	ROADS / GRAVEL	22,000.00	22,000.00	0.00	0.00	100.00
101-449-930.600	PAVED ROADS	100,000.00	100,000.00	0.00	0.00	100.00
101-449-991.000	DEBT SERVICE PRINCIPAL	15,285.00	0.00	0.00	15,285.00	0.00
101-449-995.000	INTEREST PAID	847.75	0.00	0.00	847.75	0.00
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Total Dept 449 - HIGHWAYS		154,332.75	137,960.80	0.00	16,371.95	89.39
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Dept 900 - LAND ACQUISITION						
101-900-974.000	LAND IMPROVEMENTS	150,000.00	0.00	0.00	150,000.00	0.00
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Total Dept 900 - LAND ACQUISITION		150,000.00	0.00	0.00	150,000.00	0.00
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TOTAL EXPENDITURES		1,003,467.95	578,753.66	50,383.67	424,714.29	57.68
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Fund 101 - GENERAL FUND:						
TOTAL REVENUES						
TOTAL EXPENDITURES		878,648.00	680,960.84	3,710.25	197,687.16	77.50
NET OF REVENUES & EXPENDITURES		1,003,467.95	578,753.66	50,383.67	424,714.29	57.68
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		(124,819.95)	102,207.18	(46,673.42)	(227,027.13)	81.88

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDGT USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 205 - EMERGENCY SERVICES MILLAGE								
Revenues								
Dept 000								
205-000-402.000	CURRENT TAX COLLECTION	600,520.00	20,148.93		0.00	580,371.07	3.36	
205-000-665.000	EARNED INTEREST	0.00	8.23		0.28	(8.23)	100.00	
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Total Dept 000		600,520.00	20,157.16		0.28	580,362.84	3.36	
Dept 441 - PERSONAL PROPERTY TAXES REIMBURSEMENT								
205-441-402.200 PERSONAL PROPERTY TAX REIMBURSEMENT								
		26,600.00	27,394.51		0.00	(794.51)	102.99	
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Total Dept 441 - PERSONAL PROPERTY TAXES REIMBURSEMENT		26,600.00	27,394.51		0.00	(794.51)	102.99	
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TOTAL REVENUES		627,120.00	47,551.67		0.28	579,568.33	7.58	
Expenditures								
Dept 000								
205-000-956.200	PRIOR YEAR TAX	0.00	8.26		0.00	(8.26)	100.00	
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Total Dept 000		0.00	8.26		0.00	(8.26)	100.00	
Dept 206 - FIRE								
205-206-999.000 TRANSFER TO OTHER FUNDS-FIRE								
		300,260.00	0.00		0.00	300,260.00	0.00	
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Total Dept 206 - FIRE		300,260.00	0.00		0.00	300,260.00	0.00	
Dept 303 - AMBULANCE								
205-303-999.000 TRANSFER TO OTHER FUNDS-AMB								
		210,182.00	0.00		0.00	210,182.00	0.00	
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Total Dept 303 - AMBULANCE		210,182.00	0.00		0.00	210,182.00	0.00	
Dept 403 - ES CAPITAL PROJECTS								
205-403-999.000 TRANSFER TO OTHER FUNDS-ES CAPITAL PROJ								
		90,078.00	0.00		0.00	90,078.00	0.00	
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Total Dept 403 - ES CAPITAL PROJECTS		90,078.00	0.00		0.00	90,078.00	0.00	
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TOTAL EXPENDITURES		600,520.00	8.26		0.00	600,511.74	0.00	
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Fund 205 - EMERGENCY SERVICES MILLAGE:								
TOTAL REVENUES								
		627,120.00	47,551.67		0.28	579,568.33	7.58	
TOTAL EXPENDITURES								
		600,520.00	8.26		0.00	600,511.74	0.00	
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NET OF REVENUES & EXPENDITURES		26,600.00	47,543.41		0.28	(20,943.41)	178.73	

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PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

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GL NUMBER	DESCRIPTION	2021-22		YTD BALANCE		ACTIVITY FOR		AVAILABLE
		AMENDED BUDGET	NORMAL	11/30/2021	(ABNORMAL)	MONTH 11/30/2021	INCREASE (DECREASE)	BALANCE
								NORMAL (ABNORMAL)
								% BDT USED
Fund 206 - FIRE DEPT								
Revenues								
Dept 000								
206-000-632.200	CONTRACT PYMT-IRVING	59,270.00		29,636.00		0.00		29,634.00
206-000-665.000	EARNED INTEREST	500.00		91.54		1.83		408.46
206-000-694.300	TRAINING	0.00		2,737.50		0.00		(2,737.50)
206-000-699.000	APPROPRIATION TRANSFER IN	300,260.00		0.00		0.00		300,260.00
								0.00
Total Dept 000		360,030.00		32,465.04		1.83		327,564.96
								9.02
TOTAL REVENUES								
		360,030.00		32,465.04		1.83		327,564.96
								9.02
Expenditures								
Dept 000								
206-000-702.000	SALARIES	33,500.00		21,854.89		2,575.02		11,645.11
206-000-702.100	FIRE ON-CALL	74,000.00		31,179.66		4,914.49		42,820.34
206-000-702.400	FIRE/AMB OVERTIME FULL TIME	8,000.00		6,218.69		0.00		1,781.31
206-000-702.500	FIRE/AMB-FULL TIME MEDICS	83,800.00		63,517.96		8,088.23		20,282.04
206-000-715.000	FICA/MEDICARE CONTRIBUTION	17,250.00		9,344.99		1,190.16		7,905.01
206-000-716.000	MI UNEMPLOYMENT COMP	2,700.00		0.00		0.00		2,700.00
206-000-718.000	HEALTH INSURANCE PREMIUM	39,000.00		30,492.65		(241.60)		8,507.35
206-000-719.000	PENSION PLAN	1,900.00		2,145.90		295.26		(245.90)
206-000-719.100	PENSION ADMIN EXPENSE	150.00		75.00		0.00		75.00
206-000-730.000	POSTAGE	75.00		15.75		0.00		59.25
206-000-740.000	OFFICE/OPERATING SUPPLIES	7,000.00		2,215.86		115.85		4,784.14
206-000-751.000	GASOLINE AND OIL	3,400.00		1,421.00		0.00		1,979.00
206-000-768.000	UNIFORMS/PROTECTIVE GEARS	11,000.00		786.67		279.19		10,213.33
206-000-803.000	AUDIT EXPENSE	4,000.00		3,887.75		0.00		112.25
206-000-804.000	PHYSICALS EXAMINATIONS	2,300.00		2,113.50		39.00		186.50
206-000-806.000	LICENSES	200.00		0.00		0.00		200.00
206-000-808.000	PROFESSIONAL SERVICES-MISC	27,500.00		10,503.70		672.19		16,996.30
206-000-826.000	LEGAL FEES	1,000.00		0.00		0.00		1,000.00
206-000-850.000	TELEPHONE EXPENSE	1,700.00		962.88		145.16		737.12
206-000-880.000	COMMUNITY PROMOTIONS	1,000.00		265.95		0.00		734.05
206-000-905.000	PRINTING AND PUBLISHING	200.00		0.00		0.00		200.00
206-000-910.000	INSURANCE AND BONDS	18,000.00		14,580.57		0.00		3,419.43
206-000-910.100	WORKERS' COMP	7,000.00		7,558.13		0.00		(558.13)
206-000-910.200	DISABILITY/LIFE	2,000.00		0.00		0.00		2,000.00
206-000-920.000	UTILITIES	12,500.00		6,553.12		951.69		5,946.88
206-000-930.000	REPAIR & MAINT-GENERAL	10,000.00		7,601.08		250.26		2,398.92
206-000-931.000	REPAIR & MAINT-BLDG/GROUNDS	10,000.00		3,717.69		112.79		6,282.31
206-000-939.000	REPAIR & MAINT-VEHICLES	14,000.00		385.58		0.00		13,614.42
206-000-956.000	MISCELLANEOUS	7,500.00		3,038.94		76.68		4,461.06
206-000-958.000	MEMBERSHIP AND DUES	1,200.00		70.00		0.00		1,130.00
206-000-960.000	EDUCATION AND TRAINING	10,000.00		8,580.48		0.00		1,419.52
206-000-961.000	EDUCATION & TRAINING-OTHERS	2,000.00		75.00		75.00		1,925.00
206-000-970.000	CAPITAL OUTLAY	20,000.00		0.00		0.00		20,000.00
								0.00
Total Dept 000		433,875.00		239,163.39		19,539.37		194,711.61
								55.12
TOTAL EXPENDITURES								
		433,875.00		239,163.39		19,539.37		194,711.61
								55.12

Fund 206 - FIRE DEPT:

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REVENUE AND EXPENDITURE REPORT FOR THORNAPPLE TOWNSHIP

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

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GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDOGT USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 206 - FIRE DEPT								
TOTAL REVENUES		360,030.00		32,465.04	1.83	327,564.96		9.02
TOTAL EXPENDITURES		433,875.00		239,163.39	19,539.37	194,711.61		55.12
NET OF REVENUES & EXPENDITURES		(73,845.00)		(206,698.35)	(19,537.54)	132,853.35		279.91

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REVENUE AND EXPENDITURE REPORT FOR THORNAPPLE TOWNSHIP

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PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDC USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 209 - CEMETERY-SHAW								
Revenues								
Dept 000								
209-000-665.000	EARNED INTEREST	100.00	13.10		0.32	86.90		13.10
Total Dept 000		100.00	13.10		0.32	86.90		13.10
TOTAL REVENUES		100.00	13.10		0.32	86.90		13.10
Expenditures								
Dept 000								
209-000-931.000	REPAIR & MAIN-BLDG/GROUNDS	0.00	0.00		(147.56)	0.00		0.00
Total Dept 000		0.00	0.00		(147.56)	0.00		0.00
TOTAL EXPENDITURES		0.00	0.00		(147.56)	0.00		0.00
Fund 209 - CEMETERY-SHAW:								
TOTAL REVENUES		100.00	13.10		0.32	86.90		13.10
TOTAL EXPENDITURES		0.00	0.00		(147.56)	0.00		0.00
NET OF REVENUES & EXPENDITURES		100.00	13.10		147.88	86.90		13.10

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDC USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 220 - WEED CONTROL ASSESSMENTS								
Revenues								
Dept 000								
220-000-405.100	LAKE IMPROV/ASSESSMT	12,600.00	315.28		0.00	12,284.72		2.50
220-000-665.000	EARNED INTEREST	20.00	4.44		0.10	15.56		22.20
Total Dept 000		12,620.00	319.72		0.10	12,300.28		2.53
TOTAL REVENUES		12,620.00	319.72		0.10	12,300.28		2.53
Expenditures								
Dept 000								
220-000-803.000	AUDIT EXPENSE	275.00	0.00		0.00	275.00		0.00
Total Dept 000		275.00	0.00		0.00	275.00		0.00
Dept 442 - WEED CONTROL								
220-442-801.000	WEED CONTROL	12,000.00	8,740.00		800.00	3,260.00		72.83
Total Dept 442 - WEED CONTROL		12,000.00	8,740.00		800.00	3,260.00		72.83
TOTAL EXPENDITURES		12,275.00	8,740.00		800.00	3,535.00		71.20
Fund 220 - WEED CONTROL ASSESSMENTS:								
TOTAL REVENUES		12,620.00	319.72		0.10	12,300.28		2.53
TOTAL EXPENDITURES		12,275.00	8,740.00		800.00	3,535.00		71.20
TOT OF REVENUES & EXPENDITURES		345.00	(8,420.28)		(799.90)	8,765.28		2,440.66

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22	YTD BALANCE		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE		% BDGT USED
		AMENDED BUDGET	NORMAL	11/30/2021 NORMAL (ABNORMAL)		NORMAL	ABNORMAL	
Fund 301 - ES EQUIPMENT BOND PAYMENT FUND								
Revenues								
Dept 000								
301-000-402.000	CURRENT TAX COLLECTION	0.00		3,637.42	0.00	(3,637.42)		100.00
301-000-665.000	EARNED INTEREST	0.00		2.46	0.08	(2.46)		100.00
301-000-694.000	MISC REVENUE	0.00		5,125.36	0.00	(5,125.36)		100.00
Total Dept 000		0.00		8,765.24	0.08	(8,765.24)		100.00
TOTAL REVENUES								
		0.00		8,765.24	0.08	(8,765.24)		100.00
Expenditures								
Dept 299 - ADMINISTRATION								
301-299-956.200	PRIOR YEAR TAX	0.00		1.46	0.00	(1.46)		100.00
Total Dept 299 - ADMINISTRATION		0.00		1.46	0.00	(1.46)		100.00
TOTAL EXPENDITURES								
		0.00		1.46	0.00	(1.46)		100.00
Fund 301 - ES EQUIPMENT BOND PAYMENT FUND:								
TOTAL REVENUES								
		0.00		8,765.24	0.08	(8,765.24)		100.00
TOTAL EXPENDITURES								
		0.00		1.46	0.00	(1.46)		100.00
NET OF REVENUES & EXPENDITURES								
		0.00		8,763.78	0.08	(8,763.78)		100.00

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PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

DB: THORNAPPLE

GL NUMBER	DESCRIPTION	2021-22		YTD BALANCE		ACTIVITY FOR	AVAILABLE	
		AMENDED BUDGET	NORMAL	11/30/2021	(ABNORMAL)	MONTH 11/30/2021	NORMAL	(ABNORMAL)
						INCREASE (DECREASE)	BALANCE	% BGD
							USED	
Fund 303 - AMBULANCE ENTERPRISE FUND								
Revenues								
Dept 000								
303-000-626.000	CHARGE FOR SERVICES	450,000.00		348,196.90		73,745.91	101,803.10	77.38
303-000-626.100	INSURANCE/CONTRACT ADJ	(150,000.00)		(111,096.56)		(22,906.88)	(38,903.44)	74.06
303-000-627.000	TAPP MEMBERSHIP	7,600.00		315.00		0.00	7,285.00	4.14
303-000-665.000	EARNED INTEREST	150.00		24.22		0.35	125.78	16.15
303-000-694.000	MISC REVENUE	0.00		400.00		0.00	(400.00)	100.00
303-000-694.100	MED TRNG	0.00		1,950.00		1,950.00	(1,950.00)	100.00
303-000-699.000	APPROPRIATION TRANSFER IN	210,182.00		0.00		0.00	210,182.00	0.00
Total Dept 000		517,932.00		239,789.56		52,789.38	278,142.44	46.30
TOTAL REVENUES								
		517,932.00		239,789.56		52,789.38	278,142.44	46.30
Expenditures								
Dept 000								
303-000-702.000	SALARIES	33,500.00		21,854.49		2,574.98	11,645.51	65.24
303-000-702.100	OTHER WAGES	154,100.00		114,129.34		18,840.98	39,970.66	74.06
303-000-702.400	FIRE/AMB OVERTIME FULL TIME	8,000.00		6,218.31		0.00	1,781.69	77.73
303-000-702.500	FIRE/AMB OTHER-FULL TIME MEDICS	83,800.00		61,808.72		8,087.67	21,991.28	73.76
303-000-715.000	FICA/MEDICARE CONTRIBUTION	17,250.00		15,550.36		2,253.36	1,699.64	90.15
303-000-716.000	MI UNEMPLOYMENT COMP	2,700.00		0.00		0.00	2,700.00	0.00
303-000-718.000	HEALTH INSURANCE PREMIUM	39,000.00		30,492.56		(241.62)	8,507.44	78.19
303-000-719.000	PENSION PLAN	1,900.00		1,994.79		257.99	(94.79)	104.99
303-000-719.100	PENSION ADMIN EXPENSE	200.00		75.00		0.00	125.00	37.50
303-000-730.000	POSTAGE	75.00		0.00		0.00	75.00	0.00
303-000-740.000	OFFICE/OPERATING SUPPLIES	7,000.00		968.43		115.87	6,031.57	13.83
303-000-741.000	AMB OPERATING	16,000.00		11,086.52		2,480.15	4,913.48	69.29
303-000-751.000	GASOLINE AND OIL	8,000.00		8,018.80		43.01	(18.80)	100.24
303-000-768.000	UNIFORMS/PROTECTIVE GEARS	2,000.00		1,440.11		199.20	559.89	72.01
303-000-803.000	AUDIT EXPENSE	3,800.00		3,887.75		0.00	(87.75)	102.31
303-000-804.000	PHYSICALS EXAMINATIONS	2,000.00		145.50		0.00	1,854.50	7.28
303-000-806.000	LICENSES	300.00		0.00		0.00	300.00	0.00
303-000-808.000	PROFESSIONAL SERVICES-MISC	19,000.00		8,937.43		672.18	10,062.57	47.04
303-000-808.100	ACCUMED BILLING FEES	22,000.00		11,932.57		1,615.87	10,067.43	54.24
303-000-826.000	LEGAL FEES	1,800.00		0.00		0.00	1,800.00	0.00
303-000-850.000	TELEPHONE EXPENSE	2,600.00		1,776.65		246.75	823.35	68.33
303-000-880.000	COMMUNITY PROMOTIONS	750.00		0.00		0.00	750.00	0.00
303-000-905.000	PUBLISHING	200.00		0.00		0.00	200.00	0.00
303-000-910.000	INSURANCE AND BONDS	14,000.00		10,834.25		0.00	3,165.75	77.39
303-000-910.100	WORKERS' COMP	2,000.00		2,976.08		0.00	(976.08)	148.80
303-000-910.200	DISABILITY/LIFE	2,000.00		0.00		0.00	2,000.00	0.00
303-000-920.000	UTILITIES	13,200.00		6,553.04		951.68	6,646.96	49.64
303-000-930.000	REPAIR & MAINT-GENERAL	10,000.00		2,065.97		178.29	7,934.03	20.66
303-000-931.000	REPAIR & MAINT-BLDG/GROUNDS	10,000.00		3,717.68		112.79	6,282.32	37.18
303-000-939.000	REPAIR & MAINT-VEHICLES	9,000.00		6,251.52		251.10	2,748.48	69.46
303-000-955.000	BAD DEBTS	15,000.00		0.00		0.00	15,000.00	0.00
303-000-956.000	MISCELLANEOUS	700.00		329.65		76.68	370.35	47.09
303-000-958.000	MEMBERSHIP AND DUES	1,200.00		500.00		0.00	700.00	41.67
303-000-960.000	EDUCATION AND TRAINING	3,000.00		0.00		0.00	3,000.00	0.00
303-000-961.000	EDUCATION & TRAINING-OTHERS	1,000.00		0.00		0.00	1,000.00	0.00
303-000-968.000	DEPRECIATION EXP	20,000.00		0.00		0.00	20,000.00	0.00
Total Dept 000		527,075.00		333,545.52		38,716.93	193,529.48	63.28

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REVENUE AND EXPENDITURE REPORT FOR THORNAPPLE TOWNSHIP

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PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDGT USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 303 - AMBULANCE ENTERPRISE FUND								
Expenditures								
TOTAL EXPENDITURES		527,075.00		333,545.52	38,716.93	193,529.48		63.28
Fund 303 - AMBULANCE ENTERPRISE FUND:								
TOTAL REVENUES		517,932.00		239,789.56	52,789.38	278,142.44		46.30
TOTAL EXPENDITURES		527,075.00		333,545.52	38,716.93	193,529.48		63.28
NET OF REVENUES & EXPENDITURES		(9,143.00)		(93,755.96)	14,072.45	84,612.96		1,025.44

PERIOD ENDING 11/30/2021

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22 AMENDED BUDGET	YTD BALANCE 11/30/2021		ACTIVITY FOR MONTH 11/30/2021 INCREASE (DECREASE)	AVAILABLE BALANCE		% BDC USED
			NORMAL	(ABNORMAL)		NORMAL	(ABNORMAL)	
Fund 403 - EMERGENCY SERVICES CAPITAL IMPROVEMENTS								
Revenues								
Dept 000								
403-000-665.000	EARNED INTEREST	1,000.00	134.23		2.90	865.77	13.42	
403-000-694.000	MISC REVENUE	0.00	4,313.65		0.00	(4,313.65)	100.00	
Total Dept 000		1,000.00	4,447.88		2.90	(3,447.88)	444.79	
Dept 205 - ES MILLAGE								
403-205-699.000	APPROPRIATION TRANSFER IN	90,078.00	0.00		0.00	90,078.00	0.00	
Total Dept 205 - ES MILLAGE		90,078.00	0.00		0.00	90,078.00	0.00	
TOTAL REVENUES		91,078.00	4,447.88		2.90	86,630.12	4.88	
Expenditures								
Dept 000								
403-000-956.000	MISCELLANEOUS	0.00	(2,221.68)		0.00	2,221.68	100.00	
Total Dept 000		0.00	(2,221.68)		0.00	2,221.68	100.00	
Dept 206 - FIRE								
403-206-970.000	CAPITAL OUTLAY-FIRE	0.00	2,568.00		0.00	(2,568.00)	100.00	
Total Dept 206 - FIRE		0.00	2,568.00		0.00	(2,568.00)	100.00	
Dept 303 - AMBULANCE								
403-303-970.000	CAPITAL OUTLAY-AMBULANCE	220,000.00	219,656.70		0.00	343.30	99.84	
Total Dept 303 - AMBULANCE		220,000.00	219,656.70		0.00	343.30	99.84	
TOTAL EXPENDITURES		220,000.00	220,003.02		0.00	(3.02)	100.00	
Fund 403 - EMERGENCY SERVICES CAPITAL IMPROVEMENTS:								
TOTAL REVENUES		91,078.00	4,447.88		2.90	86,630.12	4.88	
TOTAL EXPENDITURES		220,000.00	220,003.02		0.00	(3.02)	100.00	
NET OF REVENUES & EXPENDITURES		(128,922.00)	(215,555.14)		2.90	86,633.14	167.20	

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PERIOD ENDING 11/30/2021

DB: THORNAPPLE

% Fiscal Year Completed: 66.85

GL NUMBER	DESCRIPTION	2021-22		YTD BALANCE		ACTIVITY FOR		AVAILABLE	
		AMENDED BUDGET	NORMAL (ABNORMAL)	11/30/2021	INCREASE (DECREASE)	MONTH 11/30/2021		BALANCE	% BDC
								NORMAL (ABNORMAL)	USED
Fund 804 - SEWER O & M FUND									
Revenues									
Dept 000									
804-000-626.000	CHARGE FOR SERVICES	135,000.00		101,480.00	(2,855.00)			33,520.00	75.17
804-000-626.300	MISC EQUIP/INSTALL FEES-SEWER	25,000.00		(8,400.00)	0.00			33,400.00	(33.60)
804-000-665.000	EARNED INTEREST	50.00		34.36	0.81			15.64	68.72
804-000-669.000	PENALTY/INTEREST ON LATE PYMTS	500.00		360.00	20.00			140.00	72.00
Total Dept 000		160,550.00		93,474.36	(2,834.19)			67,075.64	58.22
TOTAL REVENUES		160,550.00		93,474.36	(2,834.19)			67,075.64	58.22
Expenditures									
Dept 000									
804-000-702.000	SAL / OPER CONTRACT	13,440.00		8,960.00	2,240.00			4,480.00	66.67
804-000-702.100	OTHER WAGES	200.00		245.00	0.00			(45.00)	122.50
804-000-715.000	FICA/MEDICARE CONTRIBUTION	25.00		3.44	0.00			21.56	13.76
804-000-719.000	PENSION PLAN	25.00		0.00	0.00			25.00	0.00
804-000-740.000	OFFICE/OPERATING SUPPLIES	500.00		266.93	0.00			233.07	53.39
804-000-740.100	OPERATING SUPPLIES-PUMPS/EQUIPMT	12,500.00		6,552.00	0.00			5,948.00	52.42
804-000-740.200	OPERATING SUPPLIES-SEPTIC COMPNT	2,000.00		0.00	0.00			2,000.00	0.00
804-000-743.000	LAB EXPENSE	6,500.00		3,871.48	1,252.50			2,628.52	59.56
804-000-803.000	AUDIT EXPENSE	1,000.00		836.75	0.00			163.25	83.68
804-000-808.000	PROFESSIONAL SERVICES-ALUM/PHOSPHATE	16,000.00		11,077.50	0.00			4,922.50	69.23
804-000-808.100	PROF SERVICES/COLLECTION SYSTEM MAINT	30,000.00		17,325.00	1,925.00			12,675.00	57.75
804-000-808.200	COLLECTION SYSTEM-PUMPING TANKS	35,000.00		17,325.00	2,475.00			17,675.00	49.50
804-000-808.300	COLLECTION SYSTEM-ELECTRICAL	3,150.00		962.50	530.00			2,187.50	30.56
804-000-808.400	PROF SERV LAGOON ENGINEERING	0.00		38,899.50	357.50			(38,899.50)	100.00
804-000-826.000	LEGAL FEES	2,000.00		451.50	0.00			1,548.50	22.58
804-000-910.000	INSURANCE AND BONDS	2,000.00		902.68	0.00			1,097.32	45.13
804-000-920.000	UTILITIES	5,500.00		7,979.24	1,810.67			(2,479.24)	145.08
804-000-930.000	REPAIR & MAINT-GENERAL	5,500.00		4,430.87	(254.08)			1,069.13	80.56
804-000-930.100	REPAIR & MAINT-WC/DUCK WEED/PIM	2,500.00		1,114.50	0.00			1,385.50	44.58
804-000-931.000	REPAIR & MAIN-BLDG/GROUNDS/MOWING	5,500.00		1,240.00	0.00			4,260.00	22.55
804-000-956.000	ANNUAL FEES MISC	1,500.00		0.00	0.00			1,500.00	0.00
Total Dept 000		144,840.00		122,443.89	10,336.59			22,396.11	84.54
TOTAL EXPENDITURES		144,840.00		122,443.89	10,336.59			22,396.11	84.54
Fund 804 - SEWER O & M FUND:									
TOTAL REVENUES									
TOTAL EXPENDITURES									
NET OF REVENUES & EXPENDITURES		15,710.00		(28,969.53)	(13,170.78)			44,679.53	184.40
TOTAL REVENUES - ALL FUNDS									
TOTAL EXPENDITURES - ALL FUNDS									
NET OF REVENUES & EXPENDITURES		2,648,078.00		1,107,787.41	53,670.95			1,540,290.59	41.83
		2,942,052.95		1,502,659.20	119,629.00			1,439,393.75	51.08
		(293,974.95)		(394,871.79)	(65,958.05)			100,896.84	134.32

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Total for fund 101 GENERAL FUND	15,071.48
Total for fund 206 FIRE DEPT	2,947.32
Total for fund 220 WEED CONTROL ASSESSMENTS	800.00
Total for fund 303 AMBULANCE ENTERPRISE FUND	5,084.11
Total for fund 804 SEWER O & M FUND	3,877.76
TOTAL - ALL FUNDS	27,780.67

INVOICE APPROVAL LIST
For Board Meeting December 13, 2021

Account Name and Number	Date			Fund Total
Finance Committee Mtg:	11/17/2021	12/1/2021	On-line Payments	
GENERAL FUND - 101	\$8,391.32	\$6,680.16	\$423.09	\$15,494.57
EMERGENCY SERVICES MILLAGE - 205	\$0.00	\$0.00		\$0.00
FIRE FUND - 206	\$2,528.41	\$418.91		\$2,947.32
CEMETERY - 209	\$0.00	\$0.00		\$0.00
WEED CONTROL ASSMTS - 220	\$0.00	\$800.00		\$800.00
SPENCER/RITA DRIVE MTC - 221	\$0.00	\$0.00		\$0.00
ES EQUIPMT BOND PMT FUND - 301	\$0.00	\$0.00		\$0.00
AMBULANCE FUND - 303	\$3,658.18	\$1,425.93		\$5,084.11
SPENCER/RITA DR - 304	\$0.00	\$0.00		\$0.00
EMS - EQUIPMENT BOND - 401	\$0.00	\$0.00		\$0.00
EMS - CAPITAL IMPROVEMENT - 403	\$0.00			\$0.00
TRUST AND AGENCY - 701	\$0.00	\$0.00		\$0.00
SEWER FUND - 804	\$1,782.50	\$2,095.26		\$3,877.76
 TOTAL BY DATE:	 \$16,360.41	 \$11,420.26	 \$423.09	 \$28,203.76

Total to Approve:

Online invoice: Pitney Bowes \$423.09

Treasurer's Financial Summary/Investment Report

For Month Ending November 2021

	Beginning Balance	Revenues	Transfer to / from Accounts	Expenditures	Ending Fund Balance
GENERAL	\$ 1,356,507.43	9,108.60		55,966.18	\$ 1,309,649.85
FIRE	\$ 331,218.04	1.83		21,013.83	\$ 310,206.04
AMB	\$ 61,712.17	37,892.80		40,448.78	\$ 59,156.19
RESTRICTED FUNDS					
EMER. SERVS. MILLAGE*	\$ 47,629.90	0.28			\$ 47,630.18
EMS CAPITAL IMPROV.*	\$ 133,307.09	0.79			\$ 133,307.88
EMS CAPITAL IMPROV.*	\$ 256,913.47	2.11			\$ 256,915.58
TRUST & AGENCY	\$ 24,083.08	0.19			\$ 24,083.27
BOND PAYMENT	\$ 13,128.17	0.08			\$ 13,128.25
BOND PROCEEDS FUND	\$ -				\$ -
ARPA FUNDS	\$ 257,275.50				\$ 257,275.50
SHAW CEMETERY	\$ 54,499.80	147.88			\$ 54,647.68
SEWER	\$ 142,168.48	7,704.89		12,427.91	\$ 137,445.46
DUNCAN LAKE W/C	\$ 17,589.36	0.10			\$ 17,589.46
Total Funds					\$ 2,621,035.34

*Self Restricted Funds

TOWNSHIP FUNDS

Month End Balance	Cash	Invested	Total Fund Balance
GENERAL	\$ 794,581.09	\$ 515,068.76	\$ 1,309,649.85
FIRE	\$ 310,206.04	\$ -	\$ 310,206.04
AMB	\$ 59,156.19	\$ -	\$ 59,156.19
TOTAL	\$ 1,163,943.32	\$ 515,068.76	\$ 1,679,012.08

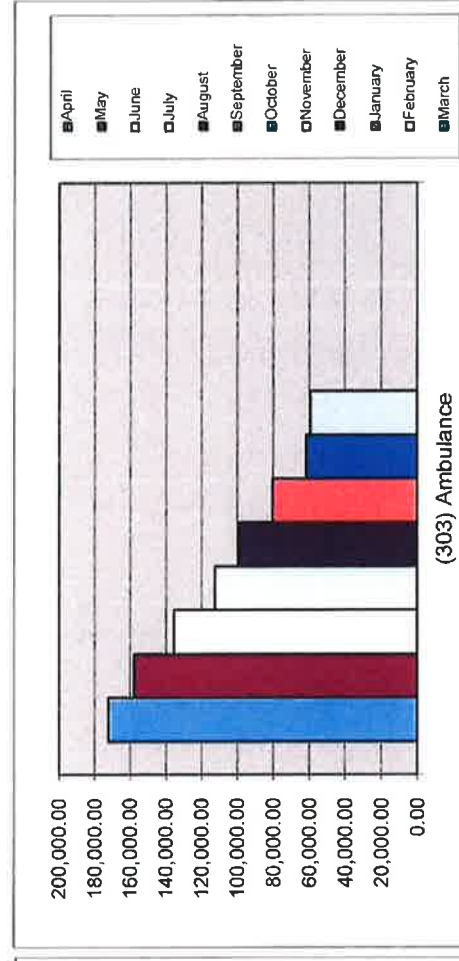
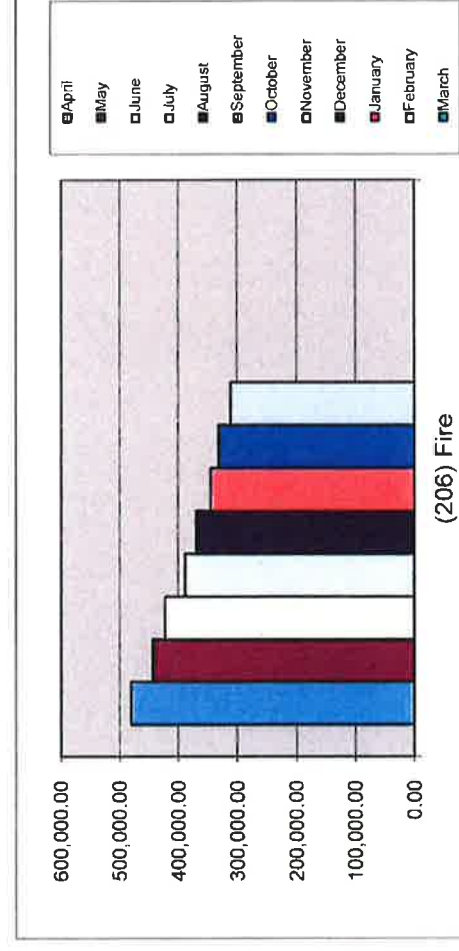
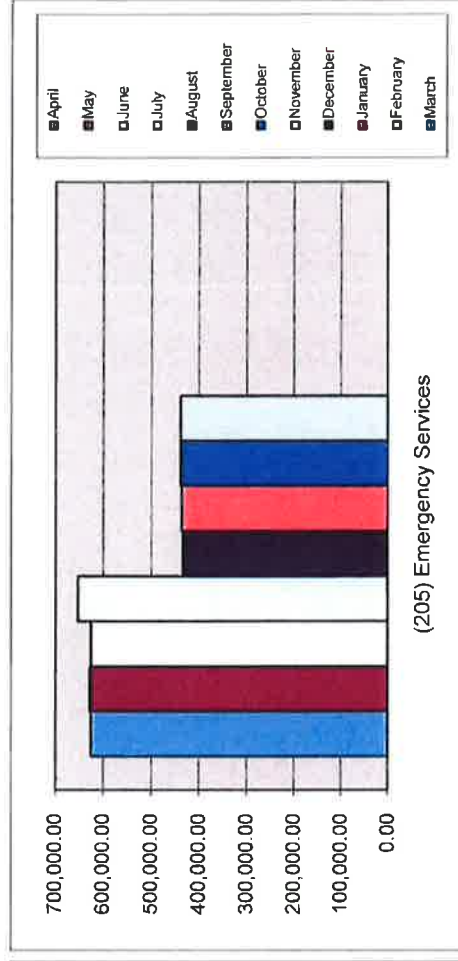
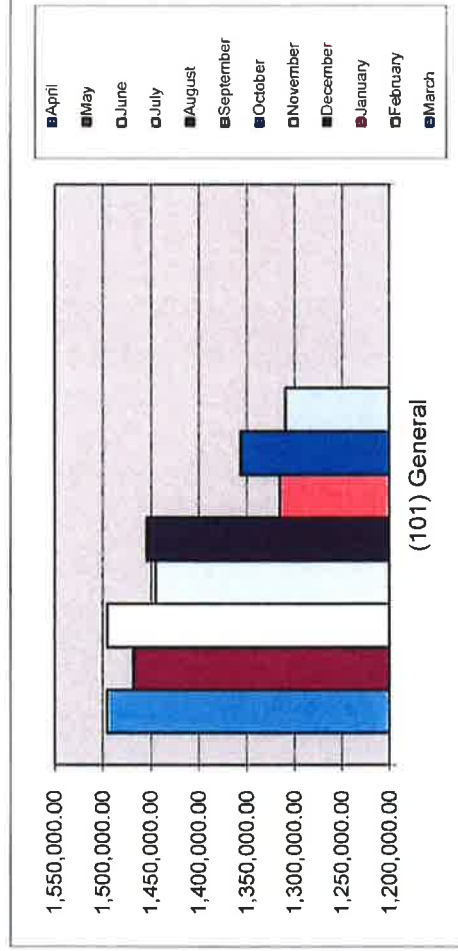
RESTRICTED USE FUNDS

Month End Balance	Cash	Invested	Total Restricted Use
EMER. SRVS. MILLAGE	\$ 47,630.18		\$ 47,630.18
EMS CAPITAL IMPROVEMENT	\$ 133,307.88	\$ 256,915.58	\$ 390,223.46
TRUST & AGENCY	\$ 24,083.27	\$ -	\$ 24,083.27
BOND PAYMENT	\$ 13,128.25	\$ -	\$ 13,128.25
TTES BOND (NEW)	\$ -	\$ -	\$ -
ARPA FUNDS	\$ 257,275.50	\$ -	\$ 257,275.50
SHAW CEMETERY	\$ 54,647.68	\$ -	\$ 54,647.68
SEWER	\$ 137,445.46		\$ 137,445.46
DUNCAN LK W/C	\$ 17,589.46	\$ -	\$ 17,589.46
TOTAL	\$ 685,107.68	\$ 256,915.58	\$ 942,023.26

Summary Fund Charts

FY 19/20

	April	May	June	July	August	September	October	November	December	January	February	March
(101) General	1,495,809.40	1,469,081.27	1,495,497.63	1,444,803.50	1,454,730.96	1,315,595.17	1,356,507.43	1,309,649.85				
(205) Emer. Svcs	626,026.29	627,524.38	625,528.49	653,160.55	433,523.45	435,845.86	437,850.46	437,853.64				
(206) Fire	480,208.74	444,231.35	422,628.75	387,815.94	369,558.65	344,613.91	331,218.04	310,206.04				
(303) Ambulance	172,037.95	157,899.88	135,273.42	112,387.17	99,034.92	80,319.02	61,712.17	59,156.19				



General Fund (101, 203, 221, 304, 402)
For Month Ending November 2021

Balance Forward		\$ 1,356,507.43
Revenues		
Tax Administration Fee	99.67	
Cemetery Lot Fees	2,125.00	
Misc. Cemetery fees	1,118.00	
Interest	12.58	
Misc: Zoning	320.00	
Reimbursement: TAPRC payroll	4,564.77	
Reimbursement - Employee Healthcare	808.58	
Misc Revenue	35.00	
Transfer From Other Funds	-	
Total Revenues	<u>\$ 9,108.60</u>	<u>\$ 1,365,616.03</u>
Expenditures		
A/P Expenses	29,602.02	
Payroll & Payroll Taxes	26,364.16	
Transfer To Other Funds	-	
Total Expenditures	<u>\$ 55,966.18</u>	
TOTAL GENERAL FUND		\$ 1,309,649.85

American Rescue Plan (ARPA)

Beginning Balance		-
Revenues		
Deposits	257,275.50	
Interest	-	
Total Revenues	<u>257,275.50</u>	
Expenditures		
A/P Expenses	-	
Total Expenditures	<u>\$ -</u>	
TOTAL American Rescue Plan		\$ 257,275.50

Fire Fund (206)

For Month Ending November 2021

Balance Forward		\$ 331,218.04
Revenues		
Contract Pay't (Subsidy): Irving		
Interest	1.83	
Total Revenues	\$ 1.83	
		\$ 331,219.87
Expenditures		
A/P Expenses	3,950.67	
Payroll & Payroll Taxes	17,063.16	
Total Expenditures	\$ 21,013.83	
MONTH END BALANCE (CASH)		\$ 310,206.04

Emergency Services Millage Fund (205)

For Month Ending November 2021

Balance Forward		\$ 47,629.90
Revenues		
Interest	0.28	
Total Revenues	\$ 0.28	
		\$ 47,630.18
Expenditures		
Refund prior year tax		
Transfer To Other Funds		
Total Expenditures	\$ -	
		\$ 47,630.18

Restricted Capital Improvement Fund (403)

Beginning Balance		\$ 133,307.09
Donations		
Interest	\$ 0.79	
A/P	\$ -	
Total	\$ 0.79	
		\$ 133,307.88

Restricted Money Market Fund (403)

Beginning Balance	\$ 256,913.47	
Purchase Ambulance		
Interest	\$ 2.11	
Total		\$ 256,915.58

MONTH END BALANCE (CASH)	\$ 437,853.64
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Ambulance Fund (303)
For Month Ending November 2021

Balance Forward		\$	61,712.17
Revenues			
Charge for Services #1	1,950.00		
Ach'ed Payments	35,883.74		
Interest	0.35		
Collection Receivable	58.71		
Total Revenues	\$	37,892.80	
		\$	99,604.97
Expenditures			
A/P Expenses	8,433.80		
Payroll & Payroll Taxes	32,014.98		
Transfer To Other Funds			
Total Expenditures	\$	40,448.78	

MONTH END BALANCE (CASH)	\$	59,156.19
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Shaw Cemetery (209)
For Month Ending November 2021

Beginning Balance	54,499.80
Interest	0.32
Trans from GEN	147.56
Total	\$ 54,647.68

MONTH END BALANCE	\$	54,647.68
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Trust & Agency Fund (701)
For Month Ending November 2021

Balance Forward		\$	24,083.08
Revenues			
Escrow Holdings			
Interest	0.19		
Total Revenues	\$	0.19	
		\$	24,083.27
Expenditures			
A/P Expenses			
Transfer To Other Funds			
Total Expenditures	\$	-	

TOTAL TRUST & AGENCY FUND	\$	24,083.27
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Sewer O & M Fund (804)
For Month Ending November 2021

Balance Forward		\$	142,168.48
Revenues			
Charge for Services	7,050.00		
Interest	0.81		
Chg for Serv/Misc Equip-Sewer	654.08		
Total Revenues	\$	7,704.89	
		\$	149,873.37
Expenditures			
A/P Expenses	12,427.91		
Payroll	-		
Total Expenditures	\$	12,427.91	

TOTAL SEWER O & M FUND	\$	137,445.46
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Bond Payment Fund (301)
For Month Ending November 2021

Balance Forward		\$	13,128.17
Revenues			
Interest		0.08	
Total Revenues	\$	0.08	
			\$ 13,128.25
Expenditures			
Refund prior year tax		-	
Total Expenditures	\$	-	

TOTAL BOND PAYMENT FUND	\$	13,128.25
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TTES Bond Proceeds Fund (401)
For Month Ending November 2021

Balance Forward		\$	-
Revenues			
Interest		-	
Total Revenues	\$	-	
			\$ -
Expenditures			
Transfer to Other Funds		-	
Total Expenditures	\$	-	

TOTAL BOND PROCEEDS FUND	\$	-
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Duncan Lake Weed Control (220)
For Month Ending November 2021

Beginning Balance			17,589.36
Revenues			
Prior Year Tax Collections		-	
Interest		0.10	
Total Revenues		0.10	
Expenditures			
A/P Expenses		-	
Total Expenditures	\$	-	

TOTAL DUNCAN LAKE WEED CONTROL	\$	17,589.46
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Depository and Investment Report

Account Balances as Of 11/30/21

		TOTAL	CASH	Money Market	Investment (MI Class)
101	General Fund	1,562,549.17	895,478.72	515,068.76	152,001.69
203	Moe Road Dust Control	1.12	1.12		
205	Emergency Services	47,630.18	47,630.18		
206	Fire	310,206.04	310,206.04		
209	Shaw Cemetery	54,647.68	54,647.68		
220	Weed Control	17,589.46	17,589.46		
221	Spencer / Rita	4,375.06	4,375.06		
301	Bond Tax Fund	13,128.25	13,128.25		
303	Ambulance	59,156.19	59,156.19		
304	Spencer / Rita	0.00	0.00		
403	Emergency Services - Capital Improvement	390,223.46	133,307.88	256,915.58	
804	Sewer	137,445.46	137,445.46		
	P/R	238.23	238.23		
	A/P	3,782.42	3,782.42		
Disbursement / Sweep account Total		\$ 2,600,972.72	\$ 1,676,986.69	\$ 771,984.34	\$ 152,001.69
401	Bond Proceeds	0.00	0.00		
701	Trust & Agency	24,083.27	24,083.27		
	Tax	15,726.42	15,726.42		
		\$ 39,809.69	\$ 39,809.69		
TOTAL of ALL Accounts		\$ 2,640,782.41			

TOWNSHIP of THORNAPPLE

Eric Schaefer, *Supervisor* / Cindy Willshire, *Clerk* / Debra K. Buckowing, *Treasurer*
Ross DeMaagd, *Trustee* / Kim Selleck, *Trustee* / Curt Campbell, *Trustee* / Sandy Rairigh, *Trustee*



Phone 269-795-7202 * Fax 269-795-8812 * 200 E Main St.,
PO Box 459, Middleville MI 49333 * www.thornapple-twp.org

December 9, 2021

MEMORANDUM

To: Township Trustees
From: Catherine Getty
RE: Zoning Administrator Report

PERMIT NO.	APPLICANT NAME		ADDRESS	PARCEL #	Type of Installation	APPROVED / DENIED
	LAST	FIRST				DATE
2021-61	Dish Wireless/	Crown Castle	7387 M37 Hwy.	08-14-005-008-10	Antenna co-location and base improvement	11-8-2021
2021-62	Smith	Brian	11924 Sapling Drive	08-14-032-009-10	Acc. Bldg.	11-18-2021
2021-63	Culson	Sergio & Cindy	9390 108 th Street	08-14-001-002-10	Solar array – ground mounted and roof mounted Residential	12-7-2021
2021-64	Greenland	David	4714 Redbud Ct.	08-14-150-039-00	Acc. Bldg.	pending
2021-65	Ryan	Tyler	10291 Cottonwood Ct.	08-14-150-039-00	Shed	11-1-2021
2021-66	Kars	Brian	9388 Adams Rd.	08-14-027-009-20	New Home #12	pending

**Minutes of the Thornapple Township
Emergency Services Committee Meeting
December 8, 2021**

DeMaagd called the meeting to order at 8:00 AM

Attending: Chief Randy Eaton, Township Supervisor Eric Schaefer, Trustee Ross DeMaagd and Trustee Sandy Rairigh

Chief Eaton reported on:

1. Administration:

A. The November 2021 Run Report will be provided to Eric Schaefer to be included in the December 2021 Township Board packet. He did note that the number of calls are substantially increasing. Fire calls in Barry County have increased 6.5% over last year, and ambulance calls for Barry County are up 17.67% over last year. More importantly is that Thornapple Township ambulance calls are up 84.6% over last year.

B. The possible purchase of 800 MHz radios with ARPA funds is to be discussed at the next Township Board meeting on December 13. The quoted discount ends December 31, 2021.

C. The two (2) month trial period of adding an additional ambulance during the daytime hours (Monday and Wednesday by Nashville; Tuesday and Thursday by Thornapple) dedicated mainly to transfers – most generally from Pennock to Butterworth is overall going well. Nashville may change their days to Wednesdays and Fridays due to staffing schedules.

D. The AFG Grant (with an upcoming deadline) has not been applied for at this time due to the fact that Chad Klutman has been out sick. Randy will make sure that the grant application is turned in by the deadline date, with the proposal of a new Command Vehicle under the MyDeal program.

E. The phasing-out of the TAPP program was discussed, and the initial thought was to accept no renewals and to increase the rate by \$10. Subsequent to this meeting, however, due to the manner in which Carveth Village (assisted care) has joined the program, it was determined that a phase-out is unrealistic and that the program needs to be terminated at the end of this calendar year.

F. The Medicaid reimbursement increase became effective November 1.

G. Region 6 Medical Response Coalition (Kent Co, etc) recently issued a Media Release advising that transfers via ambulance can take anywhere from 4-10 hours to be addressed. This information is being brought to our own Region 5 Coalition to be passed on to Pennock and the smaller hospitals so that they are aware of this timeframe and can adjust their expectations accordingly.

2. Personnel:

A. Staffing: Staffing shortages remain an issue, exacerbated by one of our full-time employees having a Positive rapid-Covid test. Will be re-tested shortly.

B. FaceBook: Collin Chrenka is now managing the TTES FaceBook page.

3. Equipment:

A. Fire: FirePros has quoted \$806 for maintenance on ten (10) existing fire extinguishers and purchase of one (1) new unit for the recently purchased ambulance.

4. Station:

A quote of \$4,059.20 with our trade-ins has been received for two (2) new AEDs, with a 6-8 week delivery window. Eric will check on the age of the AED at the Township Hall. The lifespan is 10 years.

5. Next Meeting: January 5, 2022 (Wednesday) at 8:00 AM

Meeting was closed at 9:35 AM

Respectfully submitted,

Sandy Rairigh

Thornapple Township Emergency Services - Monthly Report

Township or Village	Runs for Nov. 2021	Year to Date	
Thornapple Township			
Fire	3	57	
Medical	25	184	Total runs
Fire and EMS	8	52	293
Village of Middleville			
Fire	9	51	
Medical	39	334	Total runs
Fire and EMS	2	9	394
Irving Township			
Fire	0	7	
Medical	7	61	Total runs
Fire and EMS	0	5	73
			Total runs
			0
Transfers	13		
Lift Assist	3		
Medicals TOT	8		TOT/resp area Mercy 3, WEMS 4, LIFE 0, other 1
TOT = turn over to			IR = 1, TT = 1, MV = 6
Medicals TOTF	50		TOTF breakdown
TOTF = turn over from			mercy = 33, life = 7, waems = 8, other = 2
EMS Mutual Aid	0		
Fire Mutual Aid	1		CFD = 1, HFD = 0, WFD = 0, YS = 0
			LTFD = 0, OFD = 0
Stand by	0		
Other Assists / LE	0		LE = 1, smoke detect. install =
			0 = welfare check
Total calls	168		

November at a Glance

1 day with 13 calls
 1 day with 11 calls
 1 days with 9 calls
 1 days with 8 calls
 2 days with 7 calls
 7 days with 6 calls
 9 days with 5 calls
 3 days with 4 calls
 4 days with 3 calls
 1 day with 2 calls

Comparisons

November 2020 = 91 84.6 % increase from Nov. 2020

YTD - 2020 = 954

YTD - 2021 = 1320 38.3 % increase YTD from 2020

Up 366 calls from last year

Average 5.6 calls per day 30 of 30 days = least 1 call	Double Hits - 23 times includes 2 triple hit, 1 quad hit 13 days w/ double hits, 3 of those had multiple double hits
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CODE ENFORCEMENT

THORNAPPLE TOWNSHIP

Code Enforcement Activity

November 2021

Comp #	Date	Address	Complaint/Violation	P	Status
21-0000	1/5/2021	7613 Whitneyville Rd.	Bus. Operation/Violation (Re-Open Investigation)	Y	AC
21-0001	1/5/2021	2815 Valley Ridge Dr.	Bus. Operation/Violation	Y	CL
21-0002	1/5/2021	9425 Adams Rd.	Inoperable/Vehicles, Junk, Trash/Blight (Re-Open)	Y	AC
21-0003	1/5/2021	10317 Mulberry Dr.	Deck/No Permit	N	CL
21-0004	1/5/2021	4714 Mulberry Ct.	Deck/No Permit	N	CL
21-0005	1/5/2021	4573 Mulberry Ct.	Shed/No Permit	N	UNF
21-0006	1/5/2021	11353 Jackson Rd.	Inoperable/Vehicles, Junk, Trash/ Blight	Y	CL
21-0007	1/5/2021	8500 Blk. Parmalee Rd.	Collection of Junk Item's	Y	CL
21-0008	1/5/2021	7040 Rolling Oaks Ln.	Addition to Residence/No Permit	Y	CL
21-0009	3/5/2021	4714 N. Redbud Ct.	Shed/No Permit	Y	AC
21-0010	3/9/2021	2496 Bender Rd.	Concerns/Issues with Vehicles/Farm Equipment	Y	AC
21-0011	3/9/2021	7813 W. State Rd.	Trash/Junk Complaint	N	CL
21-0012	3/18/2021	7046 W. Kimberly Dr.	Fence/No Permit, Non-Compliance	Y	CL
21-0013	3/25/2021	874 Firwood Dr.	Dumping Trash	Y	CL



CODE ENFORCEMENT

THORNAPPLE TOWNSHIP

21-0014	3/29/2021	2092 Fawn Ave.	Uncontained Trash Complaint	N	CL
21-0015	4/1/2021	7060 Kimberly Dr.	Construction Equip./Material/Trash	Y	CL

Activity Report Cont.

Comp #	Date	Address	Complaint/Violation	P	Status
21-0016	4-13-2021	7440 Whitneyville Rd	New Shed/No Permit	Y	CL
21-0017	4/19/2021	7420 Noffke Dr.	Rec. Vehicle Parking Violation/Junk, Blight	Y	CL
21-0018	4/27/2021	6869 Whitneyville Rd.	Use of Office/Outbuilding as Residence	N	UNF
21-0019	4/27/2021	2125 Fawn Ave.	Accumulation of Junk/Trash	N	CL
21-0020	4/29/2021	7605 Parmalee Rd.	New Garage/Shed. No Permit	Y	CL
21-0021	4/29/2021	6367 Robertson Rd.	Addition to Existing Pole Barn. No Permit	Y	CL
21-0022	5/14/2021	8011 S. Asterwood Ct.	Building Deck/No Permit, Dumping Debris'	Y	CL



CODE ENFORCEMENT

THORNAPPLE TOWNSHIP

21-0023	5/20/2021	7350 Bouman Dr.	Loose/Free Range Chickens	N	CL
21-0024	5/24/2021	8300 Garbow Rd.	Illegal Residence/Illegal Burning	N	AC
21-0025	6/3/2021	10718 Green Lake Rd.	Addition to Barn/No Permit	Y	CL
21-0026	6/04/2021	6996 Cherry Valley Rd.	New Porch Addition/No Permit	Y	CL
21-0027	7/13/2021	7724 Moe Rd.	Cell Tower/No Permit	N	AC
21-0028	7/13/2021	7220 Robertson Rd.	Cell Tower/No Permit	N	AC
21-0029	7/15/2021	7603 Loop Rd.	Property Line Encroachment/Trash/Junk	N	AC
21-0030	7/15/2021	11998 Greenlake Rd.	Contractor Yard/No Permit	Y	AC
21-0031	7/22/2021	2655 Harwood Lake Rd.	Garage Construction/No Permit	N	CL

Activity Report Cont.

Comp #	Date	Address	Complaint/Violation	Pics	Status
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CODE ENFORCEMENT

THORNAPPLE TOWNSHIP

21-0032	7/29/2021	2900 Heller Rd.	Keyhole/Funneling	N	CL
21-0033	8/13/2021	5412 Ravine Dr.	Manure/Pasture Mgmt.	N	CL
21-0034	8/31/2021	9835 Taro Rd.	Pool/Fence Complaint. No Permit	N	UNF
21-0035	9/09/2021	7145 Bouman Dr.	Renovation Encroachment	N	UNF
21-0036	9/16/2021	6454 Duncan Lake Rd.	Barking Dog	N	CL
21-0037	10/26/2021	2081 Brook St.	Yard Leaf Placement	N	CL
21-0038	11/29/2021	2055 Spencer Dr.	Abandoned Vehicles	N	AC
CL	Closed				
AC	Active				
UNF	Unfounded				
Pic	Picture				
Y	Yes				
N	No				

Minutes

Thornapple Area Parks and Rec Commission Agenda

Monday, Oct. 4, 2021 at 6:00 p.m.

Thornapple Township Hall

1) Chairwoman Catherine Getty called the meeting to order at **6:01 p.m.**

Members present: Catherine Getty, Tom Hamilton, Tom DeVries, Anne Hamming, Erik Shaefer, Jacki Schneider, Brian Hammer, Jeff Kenyon

Absent: Nick Iveson

Staff present: Director Emily Dock.

Members of the public: None

2.) Approval of Agenda

Motion by Schneider, seconded by Hamming to approve the agenda as presented.

Motion carried 8-0

3.) Approval of June and August meeting minutes

Motion by Devries, seconded by Schneider to adopt the June minutes as presented.

Motion carried 8-0.

Motion by Hammer, seconded by Schneider to adopt the August minutes as presented.

Motion carried 8-0.

4.) Public Comments: None

5.) Chairwoman's Report

A) Coach of the year Award: Baseball/softball coaches selected Jake Welch as Coach of the Year. Welch was not able to attend to receive the award. Getty will meet with Welch in the days ahead to give him his award.

B) Sheridan Park Plan: The second community survey will close on Friday, Oct. 8
Getty met with Bradford White officials about the park concept. They were receptive and supportive. They see the park as a way to support their staff wellness initiatives and encourage employees to live in the community where they work. Getty asked the board to plan to attend a stakeholder meeting in late October to review the survey input and discuss next steps.

C) Day of Caring -- No one signed up to clean equipment or work at Crane. Getty will schedule a workday to clean up equipment.

D) Dog park update -- The village approved 1250 linear feet of fencing but the fencing is back ordered and it might not be installed until spring.

E) Charity shed -- Getty continues to search for new sites for the charity shed. One option is at the middle school next to the paper gator. Catherine will get NHS volunteers for the end of November to cover Tom DeVries.

F) Heritage Day River Run -

G) Shiver on the River 5K, Dec. 11 -- The DDA asked if TAPRC wants to run this event as a fund raiser. Board members had several questions about the feasibility and their availability that day.

6. Treasurer report -- See attached reports

Motion by Schnieder, seconded by Hammer to approve treasures' report as presented
Motion carried 8-0

7. Director's report

A) TAPRC will have four Select baseball teams in 2022 because of strong numbers at middle school.

B) Coaches are looking at joining the BATL League as a way to step up our play into a travel league. TAPRC would be in the lowest bracket because we are just starting; The league is trying to stretch from Rockford to Battle Creek.

C) Dock would like to use the McFall field as a middle school field. To make that happen, Hammer recommends a movable mound and movable fence. Only drawback to the field is parking, which requires spectators to walk from lots at the Christian Reformed church or the school.

D) The handoff of flag football to the school has gone very smoothly.

9) Sport equipment sale: Board members brainstormed options such as the Middleville garage sale days in May. A date in March would serve families looking for baseball equipment. Getty suggested following up with Katherine Schmidt about holding it under the pavilion in late March with patio heaters. An alternative site to the school is needed in case covid restrictions on school visitors remain in place in March.

Development committee: The board supports the concept of a year-end email and social media campaign to kick off after Dec. 1 to raise funds for the endowment fund. The campaign theme will center on building a future.

Next meeting is Nov. 4 at the Thornapple Township Hall.

Meeting adjourned at 7:05



December 2, 2021

TO: Taxing Units of Government Within Kent Intermediate School District

FROM: Claudia Bajema, Board Secretary

RE: Summer 2022 Property Tax

Enclosed is a copy of the resolution passed by the School Board of the Kent Intermediate School District whereby the Board, pursuant to statute, has determined to impose a summer property tax levy in 2022 of all school district property taxes.

CB/kg

Enclosure

**SUMMER TAX COLLECTION RESOLUTION
SCHOOL BOARD MINUTES
KENT INTERMEDIATE SCHOOL DISTRICT**

Grand Rapids, Michigan

November 15, 2021

A regular meeting of the School Board of said school district was held at 2930 Knapp, N.E. in said district on the 15th day of November, 2021, at 6:00 p.m.

The meeting was called to order by __President Haidle_____.

Members Present: __Drake, Bajema, Rettig, Featherston & Haidle_____

Members Absent: _____None_____

The following preamble and resolution were offered by Member _____
and supported by Member _____.

WHEREAS, this School Board by resolution of November 15, 2021, determined to impose a summer property tax levy to collect all of school property taxes, including debt services, upon property located within the intermediate school district, beginning with 1983, and continuing from year to year until specifically revoked by this School Board.

NOW, THEREFORE BE IT RESOLVED THAT:

1. This School Board, pursuant to 1976 PA 451, as amended, hereby invokes for 2022 its previously adopted ongoing resolution imposing a summer property tax levy of all school property taxes, including debt service, beginning with 1983, and continuing from year to year until specifically revoked by this School Board, and requests each city and/or township in which this district is located and in which a local school district or city is concurrently imposing a summer tax levy to collect those summer taxes.

2. The Superintendent or his designee is authorized and directed to forward to the governing body of each city and/or township which comprise Kent ISD and in which a local school district concurrently is imposing a summer tax levy a copy of this Board's resolution imposing a summer property tax levy on an ongoing basis and a copy of this resolution requesting that each such city and/or township agree to collect the summer tax levy for 2022 in the amount specified in this resolution. Such forwarding of the resolutions and the request to collect the summer tax levy shall be sent so that they are received by the appropriate governing bodies before January 1, 2022.

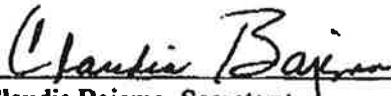
3. The Superintendent or his designee is authorized and directed to negotiate on behalf of this District with the governing body of each city and/or township in which the district is located for the reasonable expenses for collection of the District's summer tax levy that the city and/or township may bill under MCLA 380.1611 or MCLA 380.1612. Any such proposed agreement shall be brought before this Board for its approval or disapproval.

4. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and the same are hereby rescinded.

Ayes: Members Featherston, Rettig, Bajema, Drake, Haidle

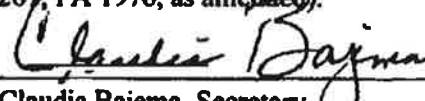
Nays: Members _____

Resolution declared adopted.



Claudia Bajema, Secretary
Kent Intermediate School District

The undersigned, duly qualified and acting Secretary of the School Board of Kent Intermediate School District, Grand Rapids, Michigan, hereby certifies that the foregoing constitutes a true and complete copy of a resolution adopted by said School Board at a regular meeting held on November 16, 2020, the original of which is part of the Board's minutes. The undersigned further certifies that notice of the meeting was given to the public pursuant to the provisions of the "Open Meetings Act" (Act 267, PA 1976, as amended).



Claudia Bajema, Secretary
Kent Intermediate School District



From

Fire Pros

2710 Northridge Dr. Suite #F
Grand Rapids MI 49544
(616) 453-4800
<https://www.firepros.com>

Quote No. 1995284
Type Repair
Prepared By Rob Harrison
Created On 11/01/2021
Valid Until 01/01/2022

Quote For THORNAPPLE TOWNSHIP
THORNAPPLE
EMERGENCY
128 HIGH ST PO BOX 459
MIDDLEVILLE MI 49333
(269) 795-3350

Description of Work

Notice of Non Compliance and Repair Proposal

Fire Pros, LLC recently inspected the fire extinguishers at your establishment in accordance with applicable state statutes, local fire codes and NFPA guidelines. While inspecting your extinguishers, they determined to be "Non-Compliant" per local fire codes. The attached proposal summarizes the non-compliance issues that were found during the inspection and the costs and actions needed to correct them.

Please contact me as soon as possible to review the attached proposal and schedule the repair to your fire extinguishers. I look forward to working with you to bring your extinguishers into compliance.

To discuss this proposal, please contact:

Rob Harrison

Phone: (616) 588-0746

Email: rob.harrison@firepros.com

EQUIPMENT REPAIR AGREEMENT

This Agreement between FIRE PROS, LLC (Company) and you (the Customer) provides for repair services only on the Equipment indicated on the Scope of Work and Services to Be Completed section for the premises address.

FEES AND CHARGES: CUSTOMER AGREES TO PAY COMPANY (PLUS SALES TAX IF APPLICABLE) THE FEES OUTLINED BELOW PLUS VEHICLE FLEET CHARGES THAT MAY BE ASSESSED FOR THE CONTRACTED-FOR EQUIPMENT REPAIR OR REPLACEMENT. THESE FEES AND CHARGES ARE GOOD FOR THIRTY (30) DAYS FROM THE DATE THIS AGREEMENT WAS CREATED. IF THIS QUOTE/AGREEMENT IS APPROVED BEYOND 30 DAYS FROM THE DATE IT WAS CREATED, COMPANY RESERVES THE RIGHT TO INCREASE THE FEES AND CHARGES AT ANY TIME THEREAFTER DUE TO INCREASES IN ITS LABOR OR MATERIAL COSTS.

TERMS: 50% DEPOSIT DUE PRIOR TO SCHEDULED REPAIR, UNLESS OTHERWISE NOTED. NET 30 DAYS ON REMAINING BALANCE.

BY SIGNING BELOW OR ELECTRONICALLY APPROVING (VIA APPROVAL/ACCEPTANCE OF THIS QUOTE ONLINE, EMAIL OR OTHER MEANS) THE CUSTOMER ACKNOWLEDGES THAT CUSTOMER HAS RECEIVED AND REVIEWED THIS AGREEMENT AND HAS READ AND UNDERSTOOD THIS AGREEMENT, INCLUDING THE GENERAL TERMS AND CONDITIONS.

Services to be completed

[Portable Extinguishers] Location - Building

FIRE EXTINGUISHERS:

From our recent inspections, we noted the following service needed for code compliance -

(10) 5#ABC Extinguishers due for 6-year maintenance

(1) 2.5G H2O Extinguisher due for hydrostatic testing service

(1) NEW 20#ABC Extinguisher (requested to be added to quote to put onto ambulance)

- we propose to repair -

GRAND TOTAL \$806.00

Terms and Conditions

GENERAL TERMS TO EQUIPMENT REPAIR AGREEMENT BETWEEN (COMPANY) AND CUSTOMER

1.LIMITATION OF REPAIR SERVICES

THE COMPANY OR ITS SUBCONTRACTOR (COLLECTIVELY THE COMPANY) AGREES TO REPAIR OR REPLACE ONLY THE EQUIPMENT IDENTIFIED ON THE ATTACHED SCOPE OF WORK/SERVICES TO BE COMPLETED SECTION OF THIS AGREEMENT. COMPANY WILL NEITHER REPAIR NOR REPLACE ANY OTHER EQUIPMENT AT THE PREMISES. ONCE THE CONTRACTED-FOR REPAIR OR REPLACEMENT IS COMPLETED, COMPANY WILL INSPECT AND TEST ONLY THE EQUIPMENT WHICH IT REPAIRED OR REPLACED. COMPANY WILL NOT INSPECT OR TEST ALL OF THE EQUIPMENT AT THE PREMISES ADDRESS, UNLESS SEPARATELY CONTRACTED IN WRITING TO DO SO. IT IS THE CUSTOMERS RESPONSIBILITY TO MAKE THE PREMISES ADDRESS AVAILABLE TO COMPANY DURING NORMAL BUSINESS HOURS (8:00 A.M. TO 5:00 P.M.) SO THAT COMPANY MAY PERFORM THE REPAIRS OR REPLACEMENT OF THE EQUIPMENT. IF THE CUSTOMER FAILS TO MAKE THE PREMISES AVAILABLE ON THE DATE AND TIME AGREED, THEN COMPANY SHALL HAVE THE RIGHT, IN ITS SOLE DISCRETION, TO TERMINATE THIS AGREEMENT OR CHARGE THE CUSTOMER AN ADDITIONAL REASONABLE FEE. COMPANY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY LOSS OR DAMAGE OF ANY KIND OR NATURE, WHICH MAY OCCUR AFTER THIS AGREEMENT IS SIGNED AND BEFORE COMPANY PERFORMS THE REPAIR OR REPLACEMENT CONTRACTED-FOR UNDER THIS AGREEMENT. COMPANY SHALL HAVE NO OBLIGATION WHATSOEVER TO PERFORM ANY SERVICES UNDER THIS AGREEMENT UNTIL THE CUSTOMER PAYS THE INITIAL PAYMENT UNDER THE FEES AND CHARGES SECTION OF THIS AGREEMENT.

2.LIMITATION OF COMPANYS LIABILITY

IF THE COMPANY IS FOUND LIABLE FOR ANY LOSS OR DAMAGE DUE TO BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, GROSS NEGLIGENCE IN STATES WHERE COMPANY CAN LIMIT ITS LIABILITY FOR GROSS NEGLIGENCE, NEGLIGENT MISREPRESENTATION, STRICT PRODUCT LIABILITY, INDEMNIFICATION OR CONTRIBUTION , OR ANY OTHER THEORY OF LIABILITY ARISING FROM THE REPAIR, REPLACEMENT, TESTING, INSPECTION, DESIGN, OPERATION OR NON-OPERATION OF THE EQUIPMENT SUBJECT TO, OR IN ANY WAY RELATED, TO THIS AGREEMENT OR ANY OTHER SERVICES WHICH THE CUSTOMER CLAIMS WERE PROVIDED OR SHOULD HAVE BEEN PROVIDED UNDER THIS AGREEMENT, THE COMPANYS MAXIMUM LIABILITY WILL BE LIMITED TO A SUM EQUAL TO THE FEES AND CHARGES UNDER THIS AGREEMENT, COLLECTIVELY FOR COMPANY, ITS EMPLOYEES, AGENTS, SUBCONTRACTOR AND REPRESENTATIVES, AND THIS LIABILITY SHALL BE EXCLUSIVE. THE COMPANY WILL ASSUME A GREATER LIABILITY, BUT ONLY FOR AN ADDITIONAL CHARGE TO BE AGREED UPON BY THE CUSTOMER AND THE COMPANY. IF THE COMPANY DOES SO, A RIDER WILL BE ATTACHED TO THIS AGREEMENT.

THIS LIMITATION OF LIABILITY SPECIFICALLY COVERS LIABILITY FOR, AMONG OTHER THINGS, LOST PROFITS; LOST OR DAMAGED PROPERTY; LOSS OF USE OF PROPERTY OR THE PREMISES; BUSINESS INTERRUPTION, GOVERNMENT FINES AND CHARGES; PERSONAL INJURIES OR DEATH; ECONOMIC DAMAGES; NON-ECONOMIC DAMAGES; PAIN AND SUFFERING; LOSS WAGES; LOSS OF EARNING CAPACITY; CROSS-CLAIMS AND OTHER CLAIMS FOR INDEMNITY AND CONTRIBUTION; AND THE CLAIMS OF THIRD PARTIES. ALSO COVERED BY THIS LIMITATION ARE THE FOLLOWING TYPES OF DAMAGES: DIRECT, INDIRECT, SPECIAL, INCIDENTAL, AND CONSEQUENTIAL (DAMAGES THAT RESULT FROM AN ACT, BUT DO NOT DIRECTLY RELATE TO THE ACT) AND PUNITIVE (DAMAGES USED TO MAKE AN EXAMPLE OF SOMEONE).

3.INSURANCE.

The Customer understands that the COMPANY IS NOT AN INSURER. The Customer is responsible for obtaining all insurance the Customer thinks is necessary, including coverage for personal injury and property damage. The payments the Customer makes under this Agreement are not in any way related to the value of the Premises or the Customers possessions or people on the Premises.

The Customer releases the Company from any liability for any event or condition covered by the Customers insurance. This provision is also known as waiver of subrogation provision.

4.CUSTOMERS PROTECTION OF COMPANY.

This Agreement is intended only for the Customers benefit. Therefore, the Customer agrees to protect, indemnify, defend, release and hold harmless the Company and the Company's related parties (including payment of reasonable attorneys= fees and court costs), from liability against all third party claims or losses (that is, any person or entity which is not a party to this Agreement) brought against the Company which in way relate to the repair, replacement, testing, inspection, design, operation or non-operation of the Equipment subject to, or in any way related, to this Agreement or any other services which any such third party claims were provided, or should have been provided, under this Agreement. The Company's related parties include the Company's

employees, agents and subcontractors.

This protection/indemnity covers claims against the Company arising under contract, warranty, Company's own negligence or gross negligence in states in which Company can obtain indemnification against its own gross negligence, negligent misrepresentation, strict product liability, cross-claims or other claims for indemnification or contribution, or any other theory of liability.

5.CUSTOMERS DUTY TO TEST/INSPECT/REPAIR.

It is the sole responsibility of the Customer to test and inspect the operation of all of Customer's fire detection/protection/suppression equipment in accordance with the NFPA, local authority having jurisdiction, or other applicable codes, laws, guidelines or standards. Except as provided for under this Agreement, Company will not in any way test, inspect, repair or otherwise service the Equipment or any other Equipment at the Premises Address, unless separately contracted in writing to do so.

6.THE CUSTOMERS AGREEMENTS.

The Customer has the authority to sign this Agreement and in doing so will not violate any other agreement.

Customer understands and agrees that, while Company is performing the contracted-for Inspection or Services, equipment at the Premises may fail or malfunction through no fault of Company and, among other things, water, suppression agent or other material may leak or be discharged. Company assumes no liability or responsibility whatsoever for any such failure, including any water, suppression agent or other material which may leak or be discharged, or any real or personal property damage, inventory damage, economic damage, business interruption, or other damages which may result. Company will only repair, replace or clean up any such failure if contracted separately in writing to do so for an additional fee.

If the Scope of Work to this Agreement includes a time entry for Trouble Shooting, then Customer understands and agrees that Company may not, despite its good faith efforts, be able to diagnose the problem or problems with the Equipment within that time entry. In the event Company is unable to diagnose the problem or problems within the time entry, and Customer is unwilling to pay Company additional fees requested by Company for additional Trouble Shooting, then either Company or Customer shall have the right to terminate this Agreement. In the event of any such termination, Customer agrees to pay Company at the hourly rate of \$140.00 per man hour for the Trouble Shooting performed up to the time of termination.

7. EXISTING SYSTEMS.

Where any and all services performed by Company are for an existing system or connected to or comes into contact with an existing system, any deficiencies detected in the existing system during inspecting, testing, repairing or charging of the system are the responsibility of the Customer and are not covered by any warranties that may be applicable to the services being performed by Company. Customer agrees that any corrective actions proposed by Company as part of this agreement, including but not limited to inspection, service, maintenance, repair of or replacement of parts, installation of new parts, and other recommendations made by Company, may identify, and indicate deficiencies within the existing system(s) of Customer. As an element of safety, Customer agrees that it is at their sole discretion and choice to leave existing system(s) operational and assumes any and all liability for occurrences, failures, loss, or damages, resulting from existing deficiencies within Customers system(s), whether or not deficiencies contributing to such loss or damage have been identified by Company. Customer agrees that Company shall bare no liability for occurrences, failures, loss, damages, or a breach of this agreement, arising from existing deficiencies within Customers system(s). Customer releases Company from any and all claims regarding the existing system and any damage or injury caused by or to the existing system.

8.NO WARRANTY.

COMPANY MAKES NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY AND ALL SUCH WARRANTIES BEING EXPRESSLY WAIVED UNDER THIS AGREEMENT.

9.THE CUSTOMERS DEFAULT.

The Customer agrees to pay the Fee and Charges under this Agreement as and when due, In the event the Customer fails to pay, as agreed, the Company will give the Customer written notice of default. If the Customer does not cure the default within 10 days of the date of the notice, the Company can terminate this Agreement. If the Company terminates this Agreement, the Customer must pay the Company (a) all amounts then due and fifty percent (50%) of all amounts to become due and owing under this Agreement; and (b) the Company's reasonable collection costs, including attorneys fees and costs.

In addition to the foregoing remedy, the Customer agrees to pay Company a finance charge of one and one-half (1-1/2%) percent (eighteen (18%) percent per year) on all obligations not paid within ten (10) days of the due date.

In the event this Agreement is terminated for any reason, then the following provisions shall survive the termination and continue with full force and effect: Limitation of Company's Liability, Insurance, Customer's Protection of Company, and Limitation of Lawsuits/Jury Trial.

10.TRANSFERS

The Customer cannot transfer or assign this Agreement without the Company's consent. However, the Company can transfer or assign this Agreement or subcontract its obligations without the Customer's consent. If the Company does so, anyone to whom the Company transfers, assigns or subcontracts its obligations will have all of the Company's rights under this Agreement, and Company will continue to have all of its rights under this Agreement.

11.LIMITATION ON LAWSUITS/ JURY TRIAL.

The Customer must bring any lawsuit against the Company within one (1) year after the act, omission or event occurred upon which the lawsuit is based. If the Customer does not, the Customer has no right to sue the Company and the Company has no liability to the Customer for that claim. It is critical that the Customer bring any claim in a timely manner. Time is of the essence.

THE COMPANY AND THE CUSTOMER BOTH GIVE UP THEIR RIGHT TO A JURY TRIAL.

12. MISCELLANEOUS.

This Agreement contains the entire understanding between the Customer and the Company and replaces any other documents or discussions the Company previously had with the Customer.

All of the terms and conditions on this Agreement will also apply to any and all future services or work of any kind or sort provided to Customer by the Company that are not otherwise subject to and governed a written agreement, including without limitation a written agreement governing equipment repairs and/or installations, signed by the Customer and the Company. In the event that the Customer was acquired by the Company through an asset purchase or other agreement with another company previously providing equipment repairs, installation or other services or work to the Customer (hereinafter an Acquired Customer), then the terms and conditions of this Agreement shall apply to any such future services or work of any kind or sort provided by the Company to the Acquired Customer, unless such future services or work of any kind or sort are subject to a new Agreement executed by the Company and the Acquired Customer.

This Agreement is governed by law of the State where the Premises is located. The terms and conditions of this Agreement shall prevail notwithstanding the terms and conditions of any order form, purchase order, or other document submitted by the Customer and any such terms and conditions are expressly disclaimed and shall be of no force and effect. That is, it is the intent of the parties that this Agreement, and only this Agreement, shall govern the terms and conditions relating to the Repair of Equipment.

If any provision of this Agreement is found to be invalid, the remaining provisions are still effective. This Agreement cannot be modified without the written consent of both Customer and Company.

BY SIGNING BELOW, OR ELECTRONICALLY APPROVING (VIA ACCEPTANCE OF THIS QUOTE, EMAIL OR OTHER MEANS) THE CUSTOMER ACKNOWLEDGES THAT THE CUSTOMER HAS RECEIVED A COPY OF THIS AGREEMENT AND HAS READ AND UNDERSTOOD THIS AGREEMENT AND ALL ITS TERMS AND CONDITIONS. FURTHER, THE PERSON SIGNING BELOW, OR ELECTRONICALLY APPROVING ON BEHALF OF THE CUSTOMER WARRANTS AND REPRESENTS TO THE COMPANY THAT HE/SHE HAS THE EXPRESS OR IMPLIED AUTHORITY TO DO SO BY THE CUSTOMER AND BIND THE CUSTOMER TO ALL OF THE TERMS AND CONDITIONS HEREOF.

By my signature below, I authorize work to begin and agree to pay the Grand Total according to the terms and conditions of this agreement.

Name: _____ Date: _____

Signature: _____



Proposal for:

THORNAPPLE TWP EMS
128 HIGH ST
MIDDLEVILLE Michigan 49333-9466

Prepared by:

Pierce Szubelak
pierce.szubelak@stryker.com

11/10/2021



LP1000

Quote Number: 10453478

Version: 1

Prepared For: THORNAPPLE TWP EMS

Attn:

Remit to: **Stryker Medical**

P.O. Box 93308

Chicago, IL 60673-3308

Rep: Pierce Szubelak

Email: pierce.szubelak@stryker.com

Phone Number:

Mobile: 989-255-4433

Quote Date: 11/10/2021

Expiration Date: 02/28/2022

Delivery Address		End User - Shipping - Billing		Bill To Account	
Name:	THORNAPPLE TWP EMS	Name:	THORNAPPLE TWP EMS	Name:	THORNAPPLE TOWNSHIP EMER SVCS
Account #:	1262421	Account #:	1262421	Account #:	1069484
Address:	128 HIGH ST	Address:	128 HIGH ST	Address:	PO BOX 459
	MIDDLEVILLE		MIDDLEVILLE		MIDDLEVILLE
	Michigan 49333-9466		Michigan 49333-9466		Michigan 49333-0459

Equipment Products:

#	Product	Description	Qty	List Price	Sell Price	Total
1.0	99425-000023	LIFEPAK 1000 Graphical Display - includes one non-rechargeable battery, one carrying case w/ shoulder strap, two pair QUIK-COMBO REDI-PAK electrodes and Ship Kit	2	\$2,780.00	\$2,279.60	\$4,559.20
2.0	41425-000034	Ship Kit - Literature, LP1000, W RCHG, English	2	\$0.00	\$0.00	\$0.00
Equipment Total:						\$4,559.20

Trade In Credit:

Product	Description	Qty	Credit Ea.	Total Credit
TR-LP500B-LP1K	TRADE-IN-STRYKER LIFEPAK 500 BIPHASIC TOWARDS PURCHASE OF LIFEPAK 1000	1	-\$100.00	-\$100.00
TR-LP1K-LP1K	TRADE-IN-STRYKER LIFEPAK 1000 TOWARDS PURCHASE OF LIFEPAK 1000	1	-\$400.00	-\$400.00

Price Totals:

Estimated Sales Tax (0.000%):	\$0.00
Freight/Shipping:	\$0.00
Grand Total:	\$4,059.20

Prices: In effect for 90 days



LP1000

Quote Number: 10453478

Version: 1

Prepared For: THORNAPPLE TWP EMS

Attn:

Remit to: **Stryker Medical**

P.O. Box 93308

Chicago, IL 60673-3308

Rep: Pierce Szubelak

Email: pierce.szubelak@stryker.com

Phone Number:

Mobile: 989-255-4433

Quote Date: 11/10/2021

Expiration Date: 02/28/2022

Terms: Net 30 Days

Contact your local Sales Representative for more information about our flexible payment options.

PENDING APPROVAL

Capital Terms and Conditions:

Deal Consummation: This is a quote and not a commitment. This quote is subject to final credit, pricing, and documentation approval. Legal documentation must be signed before your equipment can be delivered. Documentation will be provided upon completion of our review process and your selection of a payment schedule. Confidentiality Notice: Recipient will not disclose to any third party the terms of this quote or any other information, including any pricing or discounts, offered to be provided by Stryker to Recipient in connection with this quote, without Stryker's prior written approval, except as may be requested by law or by lawful order of any applicable government agency. A copy of Stryker Medical's Acute Care capital terms and conditions can be found at https://techweb.stryker.com/Terms_Conditions/index.html. A copy of Stryker Medical's Emergency Care capital terms and conditions can be found at <https://www.strykeremergencycare.com/terms>.



Thornapple Township Agenda Request Form

Please have request submitted to Supervisor by E.O.B. on the 1st Monday of the Month.

TO: Thornapple Township Board

FROM: EMS Committee

DATE: 12/9/2021

SUBJECT: TAPP Program

RECOMMENDATION: TAPP Program Discontinuation

BACKGROUND: TAPP Program is costing the Township several thousands of dollars each year

FISCAL IMPACT: No more loss of funds due to the TAPP Program

ALTERNATIVES: Do Nothing and continue to operate at a loss.

ATTACHMENTS: [TAPP Write off history](#)

Based on \$45.00 annual fee, numbers figured at 46 months

Year	Total Members	Revenue	Membership Write Off	Write-Off
2018	206	\$ 9,270.00	75	\$ 14,837.05
2019	200	\$ 9,000.00	60	\$ 9,192.70
2020	197	\$ 8,865.00	45	\$ 7,671.66
2021 *	178	\$ 8,010.00	37	\$ 9,979.50
	781	\$ 35,145.00	217	\$ 41,680.91

Revenue	\$	35,145.00
Write-Off	\$	41,680.91
		(-6535.91)

info found for other agencies

LifeEMS	49/yr	79/yr. w/out Ins.
Rockford	50/yr	50% off if no Ins
Life Care	42/yr	

Agenda Request

To: Township Board

From: TTES, Chief Eaton

Date: 12/8/21

Subject: Communications / 800 MHz Radios (mobile and handheld) for TTES

Recommendation:

Background: As the VHF frequencies become busier (crowded), communications has become more difficult. We've seen radio interference, skip (where we receive traffic from outside our area and sometimes out of state), dead spots, and other department/counties are converting to 800mhz. Some Barry County entities have converted Nashville and Mercy Ambulance, Freeport Fire (communicate with Ionia County), Law Enforcement, Hospitals and Medical Helicopters are now on 800 mhz. Since the changes in Allegan and Kent County Fire Department to 800mhz, we must rely on lengthy process to get direction, fire/accident updates, or cancelation. In the past on VHF, we just changed frequencies and we could talk direct to Caledonia, Wayland, etc. Here's an example of how it works today.... Ex: TTES radios Barry Dispatch, Barry Dispatch calls (by phone) Kent County Dispatch, Kent Dispatch radios Caledonia. Caledonia replies and it follows the same chain back to TTES). In this case there are a number of opportunities for error or miscommunication. We have arrived on-scene for a mutual aid call to Caledonia only to find that everyone has cleared the scene. This increased liability not to mention the appears that we don't know what we are doing.

Originally, we talked about getting a few handheld radios, just to get use started. However, in speaking with the Supervisor and showing a great sale that the Barry County Emergency Manager had shared, we decided to put together a complete package for handhelds and mobiles.

The county is moving toward the 800mhz; however, this will likely be 5 years or more. With the above mention challenges that we are having we don't believe that holding off is a good option.

Fiscal Impact: The cost of the project would be \$118,000.

For the mobile radios, we will be keeping the current VHF (so that we can communicate with department not on 800 mhz.) and add the single band 800 mhz. which will save some money. The handheld radio, which list for over 4000.00, are on sale for 1995.00. This doesn't include things like speaker mics, programming, chargers, etc.

Alternatives:

We can stay with the VHF and the challenges that come with that when we run mutual aid calls, request helicopters, etc.

We could purchase the few handhelds that we originally talked about, knowing that we will need to make the purchase a later date and at a higher price.

Eric Schaefer

From: Randall Eaton
Sent: Wednesday, December 8, 2021 1:15 PM
To: Eric Schaefer
Subject: Radio Quotes and info
Attachments: Thornapple Fire VP900 Dual Band 11-10-21.pdf; Thornapple Fire Dept VM5000s 11-22-21.pdf; Thornapple Fire VM7000 dual band single head 11-22-21.pdf; VM5000 03.16.17.pdf; VM7000+Product+Sheet.pdf; VP900 Product Sheet.pdf

Eric,
Here are the 3 quotes for the 800 mhz Radios. (Quote # 3388 & 3386 didn't have the encryption cost on them, I added it per line below)

Quote/Estimate # 3368 - (30) Handheld Dual Band - **\$77,492.00**

Quote/Estimate # 3388 - (2) Mobile/Apparatus Dual Band Radios - **\$9524.00**

This quote is missing the encryption cost of \$380.00/per radio now, or 600 + labor/travel to do later (model vm7900's)

\$760.00 if done now

Quote/Estimate # 3386 - (6) Mobile/Apparatus Single Band Radios - **\$16,998.42**

This quote is missing the encryption cost of \$600.00/per radio now, or 600 + labor/travel to do later (model vm5900's)

\$3600.00 if done now

The State of Michigan programming cost would be billed to the Township at 250.00/per radio for a total of **\$9500.00**.

Total \$ 117,874.42

Thanks, Randy

KENWOOD



P25 Mission Critical

VP900

VHF+UHF/500 VHF
P25 Phase 1 & 2+Viking®

The Viking® VP900 is a dual-band, multi-protocol, P25 Phase 2 radio equipped with industry leading audio, display, and advanced feature capabilities that meet the needs of police, fire, EMS, and other mission critical users.

Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- Mixed protocol zones (each channel in a zone can be from a different system)
- 2048 channels
- Public safety ergonomics with large glove friendly knobs
- Top flip display changes text orientation for viewing while in holster
- Backlight on top display changes for event indication (ex. emergency turns display orange)
- Multiple visual indicators including battery health & signal strength
- 1 Watt audio output for high noise environments
- Voice announcement & custom announcement creation
- Fully ruggedized - IP67 & MIL-STD-810 C/D/E/F/G
- Dual Shield design (internal metal housing & an external polycarbonate casing for exceptional durability)
- Available in three keypad options (none, limited, full)
- Integrated GPS*
- MDC-1200 & GE-Star signaling
- P25 Authentication
- Instant Recording Replay (IRR)
- Text Messaging
- Encryption
 - ARC4™ software encryption, compatible with Motorola ADP™
 - DES-OFB
 - AES-256 (FIPS 140-2) Single and Multi-Key
 - Over-the-Air Rekeying (OTAR)
 - VK5000 or Motorola KVL3000/KVL4000 Keyloaders

*Refer to the Viking VP900 operating manual for detailed requirements & conditions for proper GPS operation



Compatible With P25 Systems

- ATLAS® P25 Phase 1 and Phase 2
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

Accessories

Complete line of accessories including microphones, speakers & antennas
Download the accessory catalog at
www.efjohnson.com/products/accessories.

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



Perpetual Software Licensing

With perpetual software licensing, you own the software for the life of the radio. No subscription fees or licensing restrictions. Upgrade to the latest software when you upgrade your radio.



Armada® Fleet Management

Armada is a cloud-based fleet management solution that provides real-time location, status, and usage data for your radios. It also offers a variety of reporting and analytics tools to help you optimize your fleet's performance.



TrueVoice™ Noise Cancellation

TrueVoice is a proprietary noise cancellation technology that reduces background noise by up to 20dB, ensuring clear communication even in the most challenging environments.

Viking VP900 Portable Specifications

General	700/800	VHF
Frequency Range	763-805 MHz 806-869 MHz	136-174 MHz
Channel Spacing	12.5 kHz, 25 kHz ¹	
Max Frequency Separation	Full Bandsplit	
FCC Type Acceptance Certification	ATH2425780	
Canada Type Certification	IC:933B-2425780	
FCC Emissions Designators	16K0F3E, 14K0F3E, 11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E	11K0F3E, 8K10F1D, 8K10F1E, 8K10F7E
Input Voltage	7.4 V	
Dimensions (w/o antenna) HxWxD	7.5" x 2.62" x 1.75" (19.1 cm x 6.7 cm x 4.4 cm)	
Weight (w/o standard battery)	12.4 oz (351.5 g)	
Case	Polycarbonate - black or high visibility (additional fee)	
Temperature Range	-22°F to +140°F (-30°C to +60°C)	
Vocoder/Noise Cancellation	AMBE+2 version 1.6 TrueVoice™ noise cancellation and audio enhancement	
Programmable Front Display	Backlit LCD Status Bar (time, date, signal strength, battery level), icon or text display options Up to 4 rows of 12 character lines	
Programmable Top Display	Backlit LCD Status Bar (time, date, signal strength, battery level) or text display options Up to 2 rows of 12 character lines	
Transmitter	700/800	VHF
RF Power Output	2.5/3 W	5 W
Frequency Stability [-22°F to +140°F (-30°C to +60°C)]	1.5 ppm	
Modulation Limiting 25 kHz Channels	5 kHz ¹	
Modulation Limiting 12.5 kHz Channels	2.5 kHz	
Emissions (Conducted/Radiated)	75 dB	70 dB
Audio Response	+1, -3 dB	
FM Hum and Noise 25 kHz Channels	49 dB ¹	
FM Hum and Noise 12.5 kHz Channels	43 dB	
Audio Distortion	1.5%	
Receiver	700/800	VHF
Audio Power Output	1 W rated	
Frequency Stability [-22°F to +140°F (-30°C to +60°C)]	1.5 ppm	
Analog Mode Sensitivity: 12 dB SINAD	+121 dBm	-122 dBm
Digital Mode Sensitivity: 5% BER	+121 dBm	-122 dBm
Selectivity: 25 kHz Channels	75 dB ¹	
Selectivity: 12.5 kHz Channels	60 dB	
Intermodulation	75 dB	
Spurious & Image Rejection	80 dB	
FM Hum and Noise 25 kHz Channels	50 dB ¹	
FM Hum and Noise 12.5 kHz Channels	44 dB	
Audio Distortion	1%	

Note 1: 25 kHz mode is not available in US FCC frequencies in VHF.

Battery	Dimensions (HxWxD)	Weight	Capacity
Lithium Ion	6.5" x 2.3" x .78" (16.5 cm x 5.8 cm x 2.0 cm)	8.1 oz (229.6 g)	4500 mAh

Specifications are measured per TIA-102, CAAA-E, TIA102, CAAB-D and per TIA-603-E.

All specifications are subject to change without notice. Please check the website for the latest version. V.02/09/19 © Copyright 2019 EF Johnson Technologies, Inc. (EF Johnson Company is operating entity)

Environmental Specifications		
Environment	Mil Spec	810G
	M	P
Low Pressure	500.5	II
High Temp.	501.5	II
Low Temp.	502.5	II
Temp. Shock	503.5	I-D
Solar Radiation	505.5	I
Rain/Blown Rain	508.5	I
Humidity	507.5	I
Salt Fog	509.5	NA
Dust and Sand	510.5	I
Vibration	514.6	I
Shock	516.6	VI, V
Immersion	512.5	I
M=Method, P=Procedure Also meets equivalent superseded C, D, E, and F standards. Immersion meets IEC 529 IP67		
Encryption Options		
Supported Encryption	AES, DES-OFB, ARC4	
Encryption Key/ Radio	128 Common Key Reference (CKR), 126 Physical Identifier, (PID), Compatible w/ Motorola Key Variable Loader	
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC	
Encryption Keying	External Key Loader, OTAR	
Mode	OFB-Output Feedback	
Encryption Type	Digital	
Key Erasure	Keyboard Command	
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197	
Hazardous Location Certification		
Certification Lab	FM Approvals (FM)	
Standard Applied	FM3611	
Classification Rating	Class I, Division 2, Groups A, B, C, D	
Accessories		
Approved Battery	5875700373 (identified by lack of release button & presence of key slot on bottom of battery)	
Approved Speaker Microphones	5893211B18, 5893211B24, 5893211B30, 5893211G18, 5893211G24, 5893211G30 (KENWOOD Viking Premium Speaker Mic w/options for black or high visibility & three cord lengths)	

EF Johnson Technologies, Inc.

a JVC KENWOOD Company

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

Estimate

Date	Estimate #
11/10/2021	3368

Name / Address
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, MI 49333

			Project
Description	Qty	Rate	Total
Prepared for Chief Randy Eaton Must order on Promo code VP9-1Q3			
VIK VP900 2425AABA53G28 Kenwood VP900 Viking Multi Band radio, Model 2 front & Top display, 700/800 MHz + VHF, 2048 channels, True Voice Noise Cancellation, 4500 mAh Li-ion Battery, antenna, Black Immersion housing, P25 CAI AMBE +2, P25 conventional, P25 phase 1 trunking, P25 Phase 2 TDMA ARC4-ADP & Single Key DES-OFB Encryption, 3 year warranty.	30	1,995.00	59,850.00
VIK 5630600237 Charger for VP400/600/900 Single bay rapid charge	24	0.00	0.00
VIK 5630600361 Multi chemistry, 6 bay rack charger	1	0.00	0.00
VIK 2990600013 EFJ 2 year extended warranty	30	140.00	4,200.00
VIK GEM-ML56PRM-C-01 Speaker mic for VP900/600. 24 inch coil cord, Black, immersion-rated IP6, emergency button, 3.5 MM jack, hi-Lo button	30	160.00	4,800.00
VIK 5084600611 Leather case for VP900/600 Belt flap and rings for shoulder strap for Model 2-3.	7	56.00	392.00
VIK DES-OFB + AES Multi-Key Encryption for VP900 add on during or after build NOW \$275 EACH WITH THIS PROMOTION. IF ADDED ON LATER WOULD COST \$600 EACH.	30	275.00	8,250.00
MiDeal state contract pricing require contract # 210000000896 to be listed somewhere on the PO.		0.00	0.00
MPSCS Customer will pay the \$250.00 per radio one time programming fee directly to the state. This is good for the life of the radio.		0.00	0.00
		Subtotal	\$77,492.00
		Sales Tax (0.00)	\$0.00
		Total	\$77,492.00

KENWOOD

VIKING®
P25 Mission Critical

VM7000

Wideband (w/High Power) and Low Band (w/Low Power) options
 12.5 MHz (w/High Power) or 7.0 MHz (w/Low Power)
 Analog → P25 Phase 1 & 2 + VHF/UHF

With the VM7000 All-Band Multi-Deck Mobile, you can simultaneously receive and display up to four bands so you never miss a call. The "select" and "unselect" speakers give you the option for audio control similar to a dispatch console. KENWOOD Viking® is the industry's only mobile platform providing TrueVoice™ noise cancellation.

Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- 1024 channels (2048 and 4096 options)
- Mixed protocol zones
- P25 Authentication (Link Layer Authentication)
- P25 IP packet data
- P25 GPS data (built in GPS)
- MDC-1200 & GE-Star signaling
- P25 Conventional vote scan
- Single or Dual Remote Mount configuration
- External speaker
- Over-the-Internet-Programming (OTIP)
- Encryption
 - ARC4™ software encryption, compatible with Motorola ADP™ DES-OFB
 - AES-256 (FIPS 140-2) Single and Multi-Key
 - Over-the-Air-Rekeying (OTAR)
 - VK5000 or Motorola KVL3000/KVL4000 Keyloaders
- WiFi
- Instant Recording Replay (IRR)
- Voice Recording

Refer to the Viking VM7000 operating manual for detailed requirements & conditions for proper GPS operation.

Accessories

Complete line of accessories including microphones, speakers & antennas.
 Download the accessory catalog at
www.ejohanson.com/products/accessories.



Enhanced Control Head

- Larger display - 2.75" (36 x 60 mm)
- Resolution of 400 x 240 pixels
- Viewing angle of 140°
- Multi-color LCD + TX/RX (green/red) LEDs
- D-Pad & more PF keys, dedicated emergency key & channel/volume control knobs
- Replaceable A/R/C button labels
- User selectable themes (8 themes available)
- Day & night display options



Compatible With P25 Systems²

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



Respectful Software Licensing

Advanced software licensing technology ensures that your software is always up-to-date and secure. You can manage your software licenses from a central location, making it easy to track and control your software usage.



Armada Fleet Management

Armada Fleet Management is a leading provider of fleet management solutions. We offer a wide range of services, including fleet tracking, fuel management, and vehicle maintenance. Our solutions are designed to help you reduce costs and improve efficiency.



TrueVoice Noise Cancellation

TrueVoice Noise Cancellation is a powerful technology that eliminates background noise from your voice. This makes it easier for your listeners to hear you clearly, even in noisy environments. TrueVoice is available on all Kenwood radios.

VM7000 Mobile Specifications

General		VHF Low Band (110W) ²	VHF (110W)	VHF	UHF	700/800 MHz
Frequency Range		39-50 MHz	136-174 MHz	136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 762-776, 851-870 MHz TX: 762-776, 792-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024 (2048 and 4096 options)				
Number of Zones		255				
Max. Channels Per Zone		255				
Channel Spacing	Analog	12.5/15/20/25*/30* kHz			12.5/25* kHz	12.5/25 kHz
	Digital	Not applicable	12.5 kHz			
Power Supply		13.4 V DC ±15 %		13.6 V DC ±15 %		
Current Drain	Standby	1.3 A		1.2 A		
	RX	3.3 A		3.0 A		
	TX	28 A		14 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)				
Frequency Stability		±1.0 ppm		±1.5 ppm		
Dimensions (W x H x D) RF Deck + Front Head Unit (not including KCH-20RV)		7.01 x 2.56 x 13.84 in. (178 x 65 x 351.5 mm)		6.73 x 1.89 x 7.24 in. (171 x 48 x 184 mm)		6.73 x 1.89 x 8.03 in. (171 x 48 x 204 mm)
Weight - RF Deck + Front Head Unit (not including KCH-20RV)		12.1 lbs (5.5 kg)		3.31 lbs (1.5 kg)		3.75 lbs (1.7 kg)
Receiver		VM7630H	VM7730H	VM7730	VM7830	VM7930
Sensitivity	P25 Digital (5% BER)	Not applicable	-119 dBm (0.25 µV)			
	Analog (12 dB SINAD)	-119 dBm (0.25 µV)				
Selectivity	P25 Digital	Not applicable	60 dB			
	Analog @ 12.5 kHz	60 dB				
	Analog @ 25 kHz	75 dB				
Intermodulation		80 dB				
Spurious Rejection		85 dB				
Audio Distortion		3%		2%		
Audio Output Power		12 W/4 Ω (External Audio Output)		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
Transmitter		VM7630H	VM7730H	VM7730	VM7830	VM7930
RF Power Output Power		25W/110W		5W/50W	5W/45W - (Type 1: 450-485 MHz) 5W/40W - (Type 1: 485-520 kHz) 5W/40W - (Type 2: 380-470 MHz)	2W/30W (700 MHz) 2W/35W (800 MHz)
Spurious Emission		-80 dB		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB				
	Analog @ 25 kHz	50 dB				
Audio Distortion		2%				
Emission Designator		VM7730H/7730/7830: 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W VM7930: 16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W				

Mil Standard	810C	810D	810E	810F	810G
Low Pressure	500.1/ I	500.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	501.1/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	502.1/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temp. Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	506.1/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III

International Protection Standard

Dust & Water IP54, IP55**

**25/30 kHz VHF/UHF Bands are not included in the models sold in the USA or US territories. Analog measurements made per TIA 603 and specifications shown are typical.

¹VHF Low Band High Power is analog mode only, multi-deck configuration only.

All specifications are subject to change without notice. Please check the website for the latest version.
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Mil Standard	810C	810D	810E	810F	810G
Humidity	507.1/ I, II	507.2/ II, III	507.3/ I, III	507.4	507.5/ II
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, V	516.3/ I, V	516.4/ I, V	516.5/ I, V	516.6/ I, V

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, D1AR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, \pm FIPS 187

EF Johnson Technologies, Inc.

a JVCENWOOD Company

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3388

Bill To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
TIM	

Description	Qty	Rate	Total
REPLACE VHF RADIO WITH VM7930 DUAL BAND SINGLE HEAD REMOTES FOR TWO VEHICLES TANKER AND BRUSH TRUCK VM7000 series 700/800 Deck 1 Primary with VHF Deck 2 Secondary and Single Full featured Head with Speaker connected to HEAD.			
VM7930BF-P Viking Mobile Deck Only 700/800, 762-806MHz, 806-870MHz, 35 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. Muti key DES & ARC 4 encryption, True Voice noise cancellation, Conventional Voting Scan and 3 Year Warranty	2	1,920.00	3,840.00T
VM7730BF-S Viking Mobile Deck Only 700/800, 136-174 MHz, 50 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. Includes Muti key DES & ARC 4 encryption, True Voice noise cancellation, Conventional Voting Scan and 3 Year Warranty	2	880.00	1,760.00T
KCH-20RV EFJ Full-featured Remote Control Panel. Note: Remote configuration only, No internal speaker included. KES-5/3 is required.	2	560.00	1,120.00T
KCT-71M3 (25ft) Remote Control Cable.	2	65.60	131.20T
KMC-65M standard palm microphone for a base or mobile	2	42.40	84.80T
MAG MMSU-1 Magnetic mic single unit for hand mics	2	32.00	64.00T
KCT-23M3 DC Cable (35-50W Remote Mount; pos. 23ft, neg 3.3ft leads)	4	44.00	176.00T
KMB-33M: Standard mounting brackets	4	11.20	44.80T
KCT-71M4 (1.6ft) Remote Control Cable	2	36.80	73.60T
KRK-17BF Remote Kit	4	80.00	320.00T

Contact:Debbie Bey 586-899-4241 dbey@digicomglobal911.com with questions or concerns Thank you.

Subtotal

Sales Tax (0.00)

Total

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3388

Bill To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
TIM	

Description	Qty	Rate	Total
KCT-46 Ignition sense cable (plugs directly into mobile chassis ignition sense line).	4	11.20	44.80T
KES-5A External speaker 40W max output. Note: Requires KCT-60M installed.	2	49.00	98.00T
597539077901 USB Micro A-B Cable	2	0.00	0.00T
EFJ 8322000002 License key for P25 conventional for VP-6000 series EFJ 8322000002	2	280.00	560.00T
EFJ 8322000005 License key for P25 Phase 1 trunking for VP-6000 series EFJ 8322000005	2	100.00	200.00T
Shipping Varies based on quantity can use your UPS account if you prefer.	1	25.00	25.00
Install radio system in one tanker and one brush truck	2	375.00	750.00
Optional warranty			
EFJ 299-0600-013 EFJ 2 year extended warranty. Need One warranty per radio or deck \$140.00 each based on decks \$560.00 Total for 4 decks. N/C	4	0.00	0.00T
ANT MAX7603S 760-870 MHz, 3db, Max molded, base Collinear/ open mobile antenna.	2	39.00	78.00T
MB8P: Mounting base and cable with PL259 connector	4	18.00	72.00T
Conn-36421 N Male for RG-58 silver plated, gold connector	4	7.95	31.80T
ANT whip 10772 VHF 1/4 wave Unity gain antenna 150-162 MHz	2	25.00	50.00T
MPSCS Customer will pay the \$250.00 per radio one time programming fee directly to the state. This is good for the life of the radio.		0.00	0.00T
MiDeal state contract pricing require contract # 210000000896 to be listed somewhere on the PO.		0.00	0.00T

Contact:Debbie Bey 586-899-4241 dbey@digicomglobal911.com with questions or concerns Thank you.

Subtotal \$9,524.00

Sales Tax (0.00) \$0.00

Total \$9,524.00

KENWOOD

VIKING

P25 Mission Critical

VIKING VM5000

VHF • UHF • 700/800 MHz • SN/SZ • P25 PHASE 1 & 2



Uncompromised quality and performance with public safety ergonomics, the KENWOOD Viking® is the industry's only mobile platform providing TrueVoice™ noise cancellation.

FEATURES

- Mixed protocol operation (P25 Phase 1 & 2, SmartNet®/SmartZone®, FM Analog)
- 1024 channels
- Mixed protocol zones
- P25 Authentication (Link Layer Authentication)
- P25 IP packet data
- GPS AVL data (built in GPS)
- MDC-1200 & GE-Star signaling
- P25 Conventional vote scan
- Dash mount (KCH-19 only)
- Remote mount¹
- Dual control heads¹ (option)
- Internal or external speaker
- Fixed control station
- Encryption
 - ARC4™ software encryption; compatible w/Motorola ADP™
 - P25/TIA defined: AES-256
 - DES-OFB
 - Over-the-Air-Rekeying (OTAR)
 - VK5000 or Motorola KVL3000/KVL4000 Keyloader

¹Future availability

BASIC CONTROL HEAD

- Resolution of 422 x 154 pixel
- Viewing angle of 140°
- User selectable themes (7 themes available)
- Day & night display options



Day - High Contrast



Night - High Contrast

COMPATIBLE WITH MULTIPLE P25 SYSTEMS

- EFJohnson ATLAS® P25 System
- Motorola® Systems
 - Motorola Astro® 25 - P25 Phase 1 & Phase 2
 - Motorola Astro® SmartNet®/SmartZone®
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

ACCESSORIES

Complete line of accessories including microphones, speakers & antennas. Download the accessory catalog at www.efjohnson.com/products/accessories.

We combine P25 design expertise with recognized quality & reliability along with smarter technology to make KENWOOD Viking radios simple to use & maintain.



Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



Armada® Fleet Management

Update your radios in a group rather than one at a time. One template programs both portables & mobiles. Supports direct computer connection and Over-the-Air Programming (OTAP).



TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.



Making Safe, Simple™

VM5730/5830/5930 Mobile SPECIFICATIONS

GENERAL		VM5730	VM5830	VM5930
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		13.6 V DC \pm 15 %		
Current Drain	Standby	0.45 A		
	RX	2.3 A		
	TX	13 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		\pm 1.5 ppm		
Dimensions (W x H x D) Radio w/Control Head, Projections not Included		6.73 x 1.89 x 6.93 in. (171 x 48 x 176 mm)	6.73x1.89x7.72 in. (171.0 x 48.0 x 196 mm)	
Weight (Radio w/Control Head)		3.53 lbs (1.6 kg)	3.75 lbs (1.7 kg)	
RECEIVER		VM5730	VM5830	VM5930
Sensitivity	P25 Digital (5% BER)	0.25 μ V		
	Analog (12 dB SINAD)	0.25 μ V		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	60 dB	60 dB	
	Analog @ 25 kHz	75 dB	75 dB	
Intermodulation		80 dB		
Spurious Rejection		87 dB	85 dB	
Audio Distortion		2%		
Audio Output Power		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
TRANSMITTER		VM5730	VM5830	VM5930
RF Power Output Power		50 to 5 W	45 to 5 W	30W to 2W (700 MHz) 35W to 2W (800 MHz)
Spurious Emission		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB	40 dB	
	Analog @ 25 kHz	50 dB	45 dB	
Audio Distortion		2%		
Emission Designator		VM5730/5830: 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W VM5930: 16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		

MIL STANDARD	810C	810D	810E	810F	810G	MIL STANDARD	810C	810D	810E	810F	810G
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II	Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II	Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II	Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I	Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I	Shock	516.2/I, V	516.3/I, V	516.4/I, V	516.5/I, V	516.6/I, V
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III						

INTERNATIONAL PROTECTION STANDARD

Dust & Water IP54, IP55

IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio

*25 and 30 kHz are not included in the models sold in the USA or US territories.
Analog measurements made per IIA 603 and specifications shown are typical. Digital measurements made per IIA 102CAA and specifications shown are typical.

All specifications are subject to change without notice. Please check the website for the latest version.
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EF Johnson Technologies, Inc.
1440 Corporate Drive, Irving, TX 75038-2401
Phone: 800.328.3911 • efgjohnson.com

a JVCKENWOOD Company

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3386

Bill To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
Kurt	

Description	Qty	Rate	Total
DASH MOUNT Tanker 1			
VM5930BF Viking Mobile Deck Only 700/800, 762-806MHz, 806-870MHz, Transflective Color Display, 35 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. 3 Year Warranty. Includes P25 Conventional and Phase1 Trunking.	1	1,720.00	1,720.00T
KCH-19VM Basic Control Panel for dash mount. EFJ line.	1	144.00	144.00T
KMC-65M standard palm microphone for a base or mobile	1	42.40	42.40T
KCT-23M Cable (DC cable) 10 feet M-Power	1	32.00	32.00T
KMB-33M: Standard mounting brackets	1	11.20	11.20T
KCT-46 Ignition sense cable (plugs directly into mobile chassis ignition sense line).	1	11.20	11.20T
ANT MAX7603S 760-870 MHZ, 3db, Max molded, base Collinear/ open mobile antenna.	1	39.00	39.00T
Cable MB8 Cable 0-960 Mhz 3/4 " Brass Mount / non / Conn	1	18.00	18.00T
Conn-36421 N Male for RG-58 silver plated, gold connector	1	7.95	7.95T
EFJ 299-0600-013 EFJ 2 year extended warranty INCLUDED	1	0.00	0.00T
KES-5A External speaker 40W max output. Note: Requires KCT-60M installed.	1	49.00	49.00T
KAP-2 Home Alert / P.A. Relay Option	1	51.20	51.20T
MAG MMSU-1 Magnetic mic single unit for hand mics	1	32.00	32.00T
Service-Two Way Radio Installation	1	350.00	350.00
SINGLE HEAD REMOTE MOUNT BASIC HEAD Fire Engine			
VM5930BF Viking Mobile Deck Only 700/800, 762-806MHz, 806-870MHz, Transflective Color Display, 35 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. 3 Year Warranty. Includes P25 Conventional and Phase1 Trunking.	1	1,720.00	1,720.00T
KCH-19VM Basic Control Panel for dash mount. EFJ line.	1	144.00	144.00T
		Subtotal	
		Sales Tax (0.00)	
		Total	

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3386

Bill To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
Kurt	

Description	Qty	Rate	Total
KCT-71M2 (17ft) Remote Control Cable.	1	57.60	57.60T
KMC-65M standard palm microphone for a base or mobile	1	42.40	42.40T
KRK-14HV KCH-19 Rear Panel	1	127.20	127.20T
KCT-23M3 DC Cable (35-50W Remote Mount; pos. 23ft, neg 3.3ft leads)	1	44.00	44.00T
KMB-33M: Standard mounting brackets	1	11.20	11.20T
KRK-17BF Remote Kit	1	80.00	80.00T
KCT-46 Ignition sense cable (plugs directly into mobile chassis ignition sense line).	1	11.20	11.20T
ANT MAX7603S 760-870 MHZ, 3db, Max molded, base Collinear/ open mobile antenna.	1	39.00	39.00T
Cable-362768 0-960 MHz, 3/4" brass mount /Non Conn	1	18.00	18.00T
Conn-36421 N Male for RG-58 silver plated, gold connector	1	7.95	7.95T
EFJ 299-0600-013 EFJ 2 year extended warranty N/C	1	0.00	0.00T
KES-5 External speaker 15 W amplified speaker. Note: Requires KAP-2 installed.	1	49.00	49.00T
KAP-2 Home Alert / P.A. Relay Option	1	51.20	51.20T
MAG MMSU-1 Magnctic mic single unit for hand mics	1	32.00	32.00T
Installation of single head remote	1	375.00	375.00
DUAL HEAD REMOTE MOUNT BASIC HEAD Ambulances			
VM5930BF Viking Mobile Deck Only 700/800, 762-806MHz, 806-870MHz, Transflective Color Display, 35 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. 3 Year Warranty. Includes P25 Conventional and Phase1 Trunking. .	3	1,720.00	5,160.00T
KCH-19VM Basic Control Panel for dash mount. EFJ line.	6	144.00	864.00T
KCT-71M2 (17ft) Remote Control Cable.	3	60.00	180.00T
KCT-71M3 (25ft) Remote Control Cable.	3	68.80	206.40T
		Subtotal	
		Sales Tax (0.00)	
		Total	

Digicom Global Inc.

3911 Rochester Rd.
Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3386

Bill To:
Thomapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thomapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
Kurt	

Description	Qty	Rate	Total
KMC-65M standard palm microphone for a base or mobile	6	42.40	254.40T
KRK-14HV KCH-19 Rear Panel EFJ model	6	127.20	763.20T
KCT-23M3 DC Cable (35-50W Remote Mount; pos. 23ft, neg 3.3ft leads)	3	44.00	132.00T
KMB-33M: Standard mounting brackets	3	11.20	33.60T
KRK-17BF Remote Kit FOR A VM7000 deck	3	80.00	240.00T
VIK 597539077901 USB Micro A-B Cable	3	0.00	0.00T
KCT-46 Ignition sense cable (plugs directly into mobile chassis ignition sense line).	3	11.20	33.60T
ANT MAX7603S 760-870 MHz, 3db, Max molded, base Collinear/ open mobile antenna.	3	39.00	117.00T
Cable-362768 RG58 Cable 0-960 MHz, 3/4" brass mount /Non Conn	3	19.95	59.85T
Conn-36421 N Male for RG-58 silver plated, gold connector	3	8.49	25.47T
MAG MMSU-1 Magnetic mic single unit for hand mics	3	32.00	96.00T
VIK 2990600013 EFJ 2 year extended warranty N/C	3	0.00	0.00T
Installation of dual head remotes	3	400.00	1,200.00
BASE STATION			
VM5930BF Viking Mobile Deck Only 700/800, 762-806MHz, 806-870MHz, Transflective Color Display, 35 watts, 1024 Channels, 255 Zones, IP 54/55 & Mil Spec C/D/E/F/G. 3 Year Warranty. Includes P25 Conventional and Phase I Trunking.	1	1,720.00	1,720.00T
KCH-19VM Basic Control Panel for dash mount. EFJ line.	1	144.00	144.00T
KMC-65M standard palm microphone for a base or mobile	1	42.40	42.40T
KCT-23M Cable (DC cable) 10 feet M-Power	1	32.00	32.00T
KMB-34 Control Station Mounting Case (for KPS-15 psu, hardware included) Replacement for discontinued KMB-24	1	44.00	44.00T
		Subtotal	
		Sales Tax (0.00)	
		Total	

Digicom Global Inc.

3911 Rochester Rd.

Troy, Mi. 48083

QUOTE

Date	QUOTE #
11/22/2021	3386

Bill To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Ship To:
Thornapple Fire Department Chief Randy Eaton 128 High Street Middleville, Mi. 49333

Rep	Project
Kurt	

Description	Qty	Rate	Total
KPS-15 DC power supply	1	138.40	138.40T
MAG 316793 27-1000 MHz Mag Mount, 12' cable, N Male connector is attached	1	45.00	45.00T
ANT MAX7603S 760-870 MHz, 3db, Max molded, base Collinear/ open mobile antenna.	1	39.00	39.00T
EFJ 299-0600-013 EFJ 2 year extended warranty N/C	1	0.00	0.00T
KMC-9C Desktop Microphone for a NX-700/800 VHF/UHF Digital & FM Mobile Radio	1	70.40	70.40T
OPTIONAL if you want an amplified speaker in the to bay area			
KES-5A External speaker 40W max output, Note: Requires KCT-60M installed. \$49.00 ea	1		0.00T
KAP-2 Home Alert / P.A. Relay Option \$51.20 each	1		0.00T
Shipping	1	40.00	40.00
MPSCS Customer will pay the \$250.00 per radio one time programming fee directly to the state. This is good for the life of the radio.		0.00	0.00T
MiDeal state contract pricing above require state contract # 210000000896 to be listed somewhere on the PO.		0.00	0.00T
		Subtotal	\$16,998.42
		Sales Tax (0.00)	\$0.00
		Total	\$16,998.42

**TOWNSHIP OF THORNAPPLE
(Barry County, Michigan)**

Resolution No. 16-2021

**RESOLUTION TO PURCHASE, ACQUIRE AND CONSTRUCT
CAPITAL IMPROVEMENTS AND TO PUBLISH
NOTICE OF INTENT TO ISSUE MUNICIPAL SECURITIES**

Minutes of a regular meeting of the Township Board of the Township of Thornapple, Barry County, Michigan, held in the Township Hall on December __, 2021, at ____ p.m. local time.

PRESENT: _____

ABSENT: _____

The following resolution was offered by Member _____ and supported by Member _____:

WHEREAS, the Township Board deems it to be in the best interest of the Township of Thornapple (the "Township") to design, purchase, acquire, and construct certain capital improvements, including without limitation, improvements to the Sanitary Sewer System and the sanitary sewer treatment facilities, including without limitation, subsurface aerators, valving and other improvements, as well as all work, equipment, and appurtenances necessary or incidental to these improvements, and such other capital improvements as the Township shall determine to make and to pay the costs of issuance of municipal securities (the "Improvements") and to finance the Improvements by the issuance of municipal securities which pledge the Township's limited tax general obligation pursuant to Section 517 of Act 34, Public Acts of Michigan, 2001, as amended ("Act 34"); and

WHEREAS, the Township may proceed with the Improvements prior to the issuance of the municipal securities; and

WHEREAS, the Township may incur substantial capital expenditures for the Improvements prior to the issuance of the municipal securities and desires to be reimbursed for such expenditures from the proceeds of the municipal securities; and

WHEREAS, pursuant to Section 517 of Act 34, it is necessary to publish a Notice of Intent to Issue Municipal Securities for the Improvements.

NOW, THEREFORE, BE IT RESOLVED that:

1. The Township Board hereby determines to purchase, acquire, and construct the Improvements and to pay for the cost through the issuance of one or more series of municipal

securities, which pledge the Township's limited tax full faith and credit, pursuant to Section 517 of Act 34, in an amount of not to exceed \$995,000 (the "Municipal Securities").

2. A Notice of Intent to Issue Municipal Securities be published in accordance with Section 517 of Act 34, and the Township Clerk is authorized and directed to publish the Notice of Intent to Issue Municipal Securities in a newspaper of general circulation in the Township, which Notice shall be substantially in the form as set forth on Exhibit A attached hereto with such changes as are approved by the Township Supervisor, and shall be at least one-quarter (1/4) page size in the newspaper.

3. The Township may proceed to acquire and construct the Improvements using available funds of the Township from the Sewer Fund, a fund for the operation and improvement of the Sanitary Sewer System, the general fund, a fund for the general operations of the Township, and other funds of the Township.

4. At such time as the Township issues the Municipal Securities for the long-term financing of the Improvements, the Township shall be reimbursed for its expenditures for the Improvements out of the proceeds of the Municipal Securities.

5. This resolution and the expression of intent to seek reimbursement from future proceeds of the Municipal Securities is intended to satisfy the requirements of Section 150 of the Internal Revenue Code of 1986, as amended.

6. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and the same are hereby rescinded.

YEAS: _____

NAYS: _____

ABSTAIN: _____

RESOLUTION DECLARED ADOPTED.

Cindy Willshire, Clerk

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a Resolution adopted by the Township Board of the Township of Thornapple, Barry County, Michigan, at a meeting held on December ___, 2021, and that the public notice of the meeting was given pursuant to Act 267, Public Acts of Michigan, 1976, as amended.

Dated: December ___, 2021

Cindy Willshire, Clerk