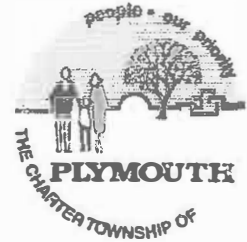


**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

Tuesday, April 12, 2022  
7:00 PM



**CALL TO ORDER AT \_\_\_\_\_ P.M.**

**A. ROLL CALL:** Kurt Heise\_\_\_\_\_, Mark Clinton\_\_\_\_\_, Chuck Curmi\_\_\_\_\_,  
Bob Doroshewitz\_\_\_\_\_, Jerry Vorva\_\_\_\_\_, Audrey Monaghan\_\_\_\_\_,  
John Stewart\_\_\_\_\_

**B. PLEDGE OF ALLEGIANCE**

- Public Safety Telecommunicators Recognition Week 2022 Proclamation

**C. APPROVAL OF AGENDA**

Tuesday, April 12, 2022

**D. APPROVAL OF CONSENT AGENDA**

**D.1 Approval of Minutes:**

- a. Regular Meeting, March 22, 2022

**D.2 Consent Agenda – New Business**

- a. Amendment of Section 53.016(A)(2) of Water and Sewer System Ordinance – Second Reading, **Resolution # 2022-04-12-17**,  
*Township Attorney Kevin Bennett and Supervisor Kurt Heise*
- b. Police Department Purchase of 27 prep radio batteries and one laptop computer, **Resolution # 2022-04-12-18**, *Assistant Police Chief Daniel Kudra and Communications and Records Supervisor Cynthia Fell*
- c. Local Governing Body Resolution for Charitable Gaming License, **Resolution # 2022-04-12-19**, *Clerk Jerry Vorva*
- d. Hillside Ridge Holding West LLC dedication of 12" water main and 8" water main for stubs along Ridge Road, **Resolution #2022-04-12-20**, *Township Engineer Jeremy Schrot*

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES REGULAR MEETING

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## D.3 Acceptance of Reports

- Building Department Monthly Report - March 2022
- Fire Department Monthly Report - March 2022
- Planning Department Monthly Report - March 2022
- Police Department Monthly Report - March 2022
- FOIA Monthly Report - Clerk's Office - March 2022
- FOIA Monthly Report - Police Department - March 2022

## D.4 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	718,832.04	96,713.93	815,545.97
Drug Forfeiture Federal	262	.00	1,988.00	1,988.00
Drug Forfeiture State	265	.00	.00	.00
Drug Forfeiture IRS	266	.00	.00	.00
Improvement Revolving (Capital)	446	.00	.00	.00
Senior Transportation	588	3,854.45	.00	3,852.45
Water/Sewer Fund	592	71,020.84	431,837.14	502,857.98
Solid Waste Fund	596	2,841.38	702.75	3,544.13
Tax Pool	703	.00	.00	.00

**CHARTER TOWNSHIP OF PLYMOUTH  
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Police Bond Fund	<b>710</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Special Assessment Capital	<b>805</b>	<b>.00</b>	<b>11,216.00</b>	<b>11,216.00</b>
<b>TOTALS:</b>		<b>796,546.71</b>	<b>542,457.82</b>	<b>1,339,004.53</b>

**E. PUBLIC COMMENT *(Limited to 3 Minutes)***

**F. NEW BUSINESS**

1. Review and Discussion Regarding "Plymouth Walk" (Elk's Lodge Project) PUD,  
*Township Planner Laura Haw, Assistant Planner Nani Wolf, and Township Engineer Jeremy Schrot, Brownfield Attorney Steve Mann*

**G. PUBLIC COMMENT *(Limited to 3 Minutes)***

**H. BOARD COMMENTS**

**I. ADJOURNMENT**

**PLEASE TAKE NOTE:** The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at all Township Meetings, to individuals with disabilities at the Meetings/Hearings upon two weeks' notice to the Charter Township of Plymouth by writing or calling the following: Human Resource Office, 9955 N Haggerty Road, Plymouth, MI 48170. Phone number (734) 354-3202 TDD units: 1-800649-3777 (Michigan Relay Services)

**The public is invited and encouraged to attend all meetings of the Board of Trustees of the Charter Township of Plymouth**

**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

Tuesday, March 22, 2022  
7:00 PM



**CALL TO ORDER AT 7:01 P.M.**

**A. ROLL CALL**      Kurt Heise, Supervisor  
                          Jerry Vorva, Clerk  
                          Mark Clinton, Treasurer  
                          Chuck Curmi, Trustee  
                          John Stewart, Trustee  
                          Bob Doroshewitz, Trustee  
                          Audrey Monaghan, Trustee  
                          14 Community Members in Attendance

**ALSO PRESENT:**      Dan Phillips, Fire Chief  
                          Pat Conely, Assistant Fire Chief  
                          Thomas Tiderington, Police Chief  
                          Dan Kudra, Assistant Chief  
                          Kevin Bennett, Township Attorney  
                          Jeremy Schrot, Township Engineer

**B. PLEDGE OF ALLEGIANCE:** Chuck Curmi

**C. APPROVAL OF AGENDA**  
                          Tuesday, March 22, 2022

Moved by Clerk Vorva and supported by Trustee Monaghan to approve the Board of Trustees agenda for the regular meeting held on March 22, 2022.  
 All Ayes.

**D. APPROVAL OF CONSENT AGENDA**

**D.1 Approval of Minutes:**  
                          a) Regular Meeting, March 8, 2022

**D.2 Consent Agenda – New Business**

a. Appointment of Eric Geerlings to the Environmental Leadership Commission, *Supervisor Kurt Heise*

**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

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- b. Amendment of Section 53.016(A)(2) of Water and Sewer System Ordinance – First Reading, **Resolution # 2022-03-22-14**, Township Attorney Kevin Bennett and Supervisor Kurt Heise

**D.3 Approval of Township Bills:**

<b>FUND</b>	<b>ACCT</b>	<b>ALREADY PAID</b>	<b>TO BE PAID</b>	<b>TOTAL:</b>
General Fund	<b>101</b>	<b>631,058.72</b>	<b>107,953.44</b>	<b>739,012.16</b>
Drug Forfeiture Federal	<b>262</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Drug Forfeiture State	<b>265</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Drug Forfeiture IRS	<b>266</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Improvement Revolving (Capital)	<b>446</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Senior Transportation	<b>588</b>	<b>5,053.76</b>	<b>.00</b>	<b>5,503.76</b>
Water/Sewer Fund	<b>592</b>	<b>71,627.70</b>	<b>102,704.39</b>	<b>174,332.09</b>
Solid Waste Fund	<b>596</b>	<b>4,818.58</b>	<b>107,559.42</b>	<b>112,378.00</b>
Tax Pool	<b>703</b>	<b>.00</b>	<b>11.70</b>	<b>11.70</b>
Police Bond Fund	<b>710</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Special Assessment				

**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

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Capital	805	.00	6,045.50	6,045.50
<b>TOTALS:</b>		712,558.76	324,274.45	1,036,833.21

**D.4 Correspondence**

- a. CWW Resolution 2022-001, Demanding Impacted GLWA Member Communities Not Be Responsible for the City of Highland Park's GLWA Debt
- b. Comments made by Larry Kummer at the March 8, 2022 Board of Trustees Meeting concerning the Colony Farms subdivision.

Moved by Clerk Vorva and supported by Trustee Monaghan to approve the Board of Trustees Consent Agenda for the regular meeting held on March 22, 2022.

All Ayes

**E. PUBLIC COMMENT *(Limited to 3 Minutes)***

There was none.

**F. NEW BUSINESS**

1. Public Hearing of Necessity for the 2022 Sidewalk Replacement Program,  
**Resolution # 2022-03-22-15, Township Clerk Jerry Vorva and  
Township Engineer Jeremy Schrot**

**Public Hearing Opened**

Moved by Clerk Vorva and supported by Trustee Monaghan to open the public hearing of necessity for the 2022 Sidewalk Replacement Program at 7:06 p.m.

Roll Call Vote.

All Ayes.

**CHARTER TOWNSHIP OF PLYMOUTH  
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Howard Flair expressed his income is down and costs are up. The proposed sidewalk repairs would not be a good value because it is for cosmetic work that is not a safety hazard.

Leonard Baron also expressed sidewalk repairs would not be necessary.

Joan Cummings indicated the cost of sidewalk replacement is not a concern, however, the roads and the water in her backyard are a concern. The lack of response from the county is frustrating.

Tim Weimer requests additional information. He was advised to send an email to [sidewalks@plymouthtwp.org](mailto:sidewalks@plymouthtwp.org) requesting information about his property.

Bill Conklin questioned the cost of the repairs. Mr. Schrot advised the pricing of the project was lower than the year before and there were nine bidders as opposed to four bidders the year previous.

Chandler Larimore asked questions specific to his property. Mr. Schrot will schedule a visit.

Dave Thomas, Chair of his condominium questioned what sections of the sidewalk should be replaced. The area of question was presented.

Tammy Fox indicates her sidewalk does not lead anywhere. She indicated she would like to remove the two sections. Supervisor Heise suggested Mr. Schrot revisit.

**Public Hearing Closed**

Moved by Clerk Vorva and supported by Trustee Monaghan to close the public hearing of necessity for the 2022 Sidewalk Replacement Program at 8:06 p.m.

Roll Call Vote.

All Ayes.

**2. Award Contract for 2022 Sidewalk Replacement Program, Resolution #  
2022-03-22-16, Township Engineer Jeremy Schrot**

Trustee Stewart asked for each citizen of the community to be allowed a five-minute appointment with the Township Engineer.

Moved by Clerk Vorva and supported by Trustee Monaghan to approve Resolution #2020-03-22-15 authorizing the replacement of the non-compliant sidewalk flags, and

**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

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the Treasurer to assess the property owners for the 2022 Sidewalk Replacement Program.

Roll Call Vote.

All Ayes.

Jeremy Schrot, Township Engineer presented the Township received 9 sealed bids for the Sidewalk Replacement Program. There was a review of references and consideration given that all criteria were met including days of completion.

Moved by Trustee Doroshewitz and supported by Trustee Curmi to adopt Resolution #2020-03-22-16 authorizing the Board of Trustees to approve the award of the 2022 Sidewalk Replacement Program to Great Lakes Infrastructure in the amount of \$314,714.54.

Roll Call Vote.

All Ayes.

3. Intergovernmental Agreement (IGA) with Wayne County for Improvements to Golfview Park, *Supervisor Kurt Heise and Township Engineer Jeremy Schrot*

Moved by Clerk Vorva and supported by Trustee Stewart to authorize the Supervisor and Clerk to sign the Interagency Agreement with Wayne County for Improvement to Golfview Park as indicated in the attached Resolution.

Roll Call Vote.

All Ayes.

4. Update on Water Billing Dispute with Great Lakes Water Authority – *Supervisor Kurt Heise*

Supervisor Heise shared the Great Lakes Water Authority (GLWA) is billing the water debt from the City of Highland Park to all of Wayne County. The debt is not from residents not paying their bills but from the water system being shut down and switched over to the Great Lakes Water Authority. The Township has paid \$15,000 annually since 2012. The Conference of Western Wayne put forth a Resolution to address applying the debt to other communities.

Moved by Trustee Curmi and supported by Trustee Stewart to adopt and concur with the Conference of Western Wayne Resolution #2022-001 concerning the Highland Park GLWA debt.

**CHARTER TOWNSHIP OF PLYMOUTH  
BOARD OF TRUSTEES REGULAR MEETING**

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Roll Call Vote.

All Ayes.

**G. PUBLIC COMMENT *(Limited to 3 Minutes)***

There were none.

**H. BOARD COMMENTS**

- Supervisor Heise-The next Board of Trustees meeting will be on April 12, 2022. There will be a second reading on the Water and Sewer. There will be a Resolution for a gaming license for a charity event. There will be a discussion on the Elk's Lodge PUD.

**I. ADJOURNMENT**

Moved by Trustee Stewart and supported by Clerk Vorva to adjourn the Board of Trustees meeting of March 22, 2022, at 8:46 p.m.

All Ayes of the present Board of Trustees.

---

Jerry Vorva, Clerk

**The public is invited and encouraged to attend all meetings of the Board of Trustees of the  
Charter Township of Plymouth**



## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

**MEETING DATE:** April 12, 2022

**ITEM: Amendment of Section 53.016(A)(2) of Water and Sewer System Ordinance -  
Second Reading**

**PRESENTERS:** Patrick Fellrath, Director of Public Services; Kevin Bennett, Attorney

**BACKGROUND:** The Township's water and sewer bills for residential users are billed on a quarterly basis. The water and sewer billing schedule for residential users is separated into three zones: Zone 1 users are billed in March, June, September and December; Zone 2 users are billed in January, April, July, and October; and Zone 3 users are billed in February, May, August, and November. The Water and Sewer System Ordinance grants residential users a 25% reduction in the sewage disposal rate during summer on the theory that watering lawns in the summer increases water consumption but does not increase sewer disposal use. The current applicable ordinance provides: "The sewage disposal rate, during the billing months of October, November and December shall be reduced by 25% for residential users only." The language has caused and continues to cause confusion among residential users as to the timing of the 25% reduction. Amending the language of the current ordinance will clarify the timing of the 25% reduction in sewage disposal rate by providing that the 25% reduction will occur in the billing cycle for each respective zone that includes the water usage for July.

**PROPOSED RESOLUTION:** I move that the Board adopt Resolution 2022-04-12-17. This will constitute the second reading of the amendment to Section 53.016(A)(2) of the Water and Sewer System Ordinance.

Moved By \_\_\_\_\_ Seconded By \_\_\_\_\_

ROLL CALL:

\_\_\_ Vorva\_\_\_ Curmi,\_\_\_ Clinton,\_\_\_ Monaghan,\_\_\_ Doroshewitz,\_\_\_ Stewart,\_\_\_ Heise

**STATE OF MICHIGAN  
COUNTY OF WAYNE  
CHARTER TOWNSHIP OF PLYMOUTH**

**RESOLUTION FOR SECOND READING TO AMEND SECTION 53.016(A)(2) OF THE WATER AND  
SEWER SYSTEM ORDINANCE**

**RESOLUTION NUMBER 2022-04-12-17**

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall located at 9955 N. Haggerty Road, Plymouth, Michigan on April 12, 2022 at 7:00 p.m., the following resolution was offered:

**WHEREAS**, the Township's water and sewer bills for residential users are billed on a quarterly basis; and,

**WHEREAS**, the Township's water and sewer billing schedule for residential users is separated into three zones: Zone 1 users are billed in March, June, September and December; Zone 2 users are billed in January, April, July, and October; and Zone 3 users are billed in February, May, August, and November; and,

**WHEREAS**, the Water and Sewer System Ordinance grants residential users a 25% reduction in the sewage disposal rate on the theory that watering lawns in the summer increases water consumption but does not increase sewer disposal use; and,

**WHEREAS**, the current applicable ordinance provides: "The sewage disposal rate, during the billing months of October, November and December shall be reduced by 25% for residential users only"; and,

**WHEREAS**, the current ordinance has caused and continues to cause confusion among residential users as to the timing of the 25% reduction; and,

**WHEREAS**, amending the language of the current ordinance will clarify the timing of the 25% reduction in sewage disposal rate;

**NOW, THEREFORE, BE IT RESOLVED THAT** the Charter Township of Plymouth Board of Trustees hereby officially introduces and approves the second reading Ordinance No. 1016, Amendment 29 to amend Section 53.016(A)(2) the Water and Sewer System Ordinance to specify that the 25% reduction in sewage disposal rates will be in the billing cycle that includes July for each respective billing zone.

Present: [Curmi, Clinton, Doroshewitz, Heise, Monaghan, Stewart, Vorva]

Moved by:

Supported by:

Roll Call Vote

Ayes:

Nays:

**Adopted:** Regular Meeting of the Board of Trustees on April 12, 2022

---

Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN }

)

COUNTY OF WAYNE }

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

---

Jerry Vorva, Clerk  
Charter Township of Plymouth

---

Date

**Resolution: 2022-04-12-17**

**STATE OF MICHIGAN  
COUNTY OF WAYNE  
CHARTER TOWNSHIP OF PLYMOUTH**

**AMENDMENT TO CHAPTER 53, WATER AND SEWER SYSTEM ORDINANCE**

**ORDINANCE NO. 1016  
AMENDMENT 29**

**AN ORDINANCE TO PROVIDE FOR AMENDMENT OF SECTION 53.016(a)(2); TO PROVIDE FOR PENALTY; TO PROVIDE FOR REPEAL; TO PROVIDE FOR SEVERABILITY; TO PROVIDE FOR SAVINGS CLAUSE; AND TO PROVIDE FOR PUBLICATION AND EFFECTIVE DATE.**

**THE CHARTER TOWNSHIP OF PLYMOUTH ORDAINS:**

**SECTION I.        AMENDMENT OF SECTION 53.016(A)(2)**

Section 53.016(A)(2) is hereby amended to read as follows:

The sewage disposal rate shall be set by Township Board resolution stated in gallons of metered water. The sewage disposal rate, during the billing cycle that includes water services provided in July, shall be reduced by 25% for residential users only.

**SECTION II.        PENALTY**

Any person, corporation, partnership or other legal entity who shall violate or fail to comply with any provision of this Ordinance shall be guilty of a misdemeanor and upon conviction thereof may be fined not more than Five Hundred (\$500.00) Dollars or imprisoned not more than Ninety (90) days, or both, in the discretion of the court.

**SECTION III.        REPEAL**

All Ordinances or parts of Ordinances in conflict with the provisions of this Ordinance, except as herein provided, are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

**SECTION IV.        SEVERABILITY**

If any section, subsection, clause, phrase or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding shall not affect the validity of the remaining portion thereof.

**SECTION V.**            **SAVINGS CLAUSE**

The repeal or amendment herein shall not abrogate or affect any offense or act committed or done, or any penalty or forfeiture incurred, or any pending litigation or prosecution of any right established or occurring prior to the effective date of this Ordinance.

**SECTION VI.**            **PUBLICATION**

The Clerk for the Charter Township of Plymouth shall cause this Ordinance to be published in the manner required by law.

**SECTION VII.**            **EFFECTIVE DATE**

This Ordinance shall take full force and effect upon publication.

**CERTIFICATION**

The foregoing Ordinance was duly adopted by the Township Board Trustees of the Charter Township of Plymouth at its regular meeting called and held on the \_\_\_\_\_ day of \_\_\_\_\_, 2022, and was ordered to be given publication in the manner required by law.

\_\_\_\_\_  
Jerry Vorva, Clerk

Introduced: \_\_\_\_\_

Published: \_\_\_\_\_

Adopted: \_\_\_\_\_

Effective upon Publication: \_\_\_\_\_



## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

**MEETING DATE:** 04-12-2022

**ITEM:** Police Department purchase of twenty-seven (27) prep radio batteries and one (1) laptop computer. Resolution #2022-04-12-18

**PRESENTER:** Communications & Records Supervisor Fell, Assistant Chief Kudra

**BACKGROUND:**

The Police Department is seeking board approval to purchase twenty-seven (27) additional prep radio batteries and one Dell Latitude 5430 Rugged laptop. We are planning to purchase these items with State Drug Law Enforcement Fund from account 265-311-757.000. The total cost for these items is expected to be \$6,941.21

**ACTION REQUESTED:**

Approve the enclosed resolution authorizing the Police Department to purchase twenty-seven (27) prep radio batteries and one laptop computer for a total cost not to exceed \$7,000.00 from the State Drug Law Enforcement Fund.

**RECOMMENDATION:**

Approve

**PROPOSED MOTION:** I move to approve Resolution #2022-04-12-18 authorizing the Plymouth Township Police Department to purchase twenty-seven (27) prep radio batteries and one laptop computer, not to exceed \$7,000.00 out of the State Drug Law Enforcement Fund's Operational – Tools & Supplies account and authorizing the Finance Director to appropriate fund balance in the amount of \$7,000.00 to the State Drug Law Enforcement Fund to make the purchase.

Moved By \_\_\_\_\_ Seconded By \_\_\_\_\_

ROLL CALL:

\_\_\_ Vorva, \_\_\_ Stewart, \_\_\_ Monaghan, \_\_\_ Clinton, \_\_\_ Heise, \_\_\_ Curmi, \_\_\_ Doroshewitz

**STATE OF MICHIGAN  
COUNTY OF WAYNE  
CHARTER TOWNSHIP OF PLYMOUTH**

**RESOLUTION TO AUTHORIZE THE PURCHASE TWENTY-SEVEN (27) POLICE PREP  
RADIO BATTERIES AND ONE (1) LAPTOP COMPUTER**

**RESOLUTION #2022-04-12-18**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on April 12, 2022, the following resolution was offered:

**WHEREAS**, The Charter Township of Plymouth Police Department has requested approval to purchase twenty-seven (27) prep radio batteries and one (1) laptop computer in accordance with the attached specifications;

**WHEREAS**, The Charter Township of Plymouth Police has requested approval for these items to be purchased from the State Drug Law Enforcement Fund Operational – Tools & Supplies account 265-311-757.000 not to exceed \$7,000;

**WHEREAS**, the Board is satisfied in this proposed budget amendment to appropriate fund balance to the State Drug Law Enforcement Fund in the total amount of \$7,000;

**WHEREAS**, pricing for these items is via state bid, for a total cost of \$6,941.21;

**NOW, THEREFORE, BE IT RESOLVED** that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2022-04-12-18** authorizing the Plymouth Township Police Department to purchase twenty-seven (27) prep radio batteries and one (1) laptop computer as specified from the State Drug Law Enforcement Fund by authorizing the Finance Director to appropriate \$7,000 of fund balance to make the above budget amendment to the FY2022 State Drug Law Enforcement Fund.

Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_

**ROLL CALL:**

\_\_\_\_ Vorva, \_\_\_\_ Clinton, \_\_\_\_ Curmi, \_\_\_\_ Monaghan, \_\_\_\_ Doroshewitz, \_\_\_\_ Heise, \_\_\_\_ Stewart



**Plymouth Township Police Department**  
**2022 Budget Request**  
**New Capital Item**

<b>Department:</b> Police Department		<b>Capital Item:</b> - Twenty-seven (27) Prep Radio Batteries -	
<b>Quantity:</b> 27 (Prep Batteries) 1 (Dell Latitude 4530 Rugged Laptop)	<b>Useful Life:</b> 6 years (Prep Batteries) 5-7 years (Laptop)	<b>Cost:</b> <b>Batteries: \$4,144.50</b> <b>Shipping: \$38.75 (batteries)</b> <b>Laptop: \$2757.96</b> <b>Total: \$6941.21</b>	
<b>Check One: Equipment</b> <input checked="" type="checkbox"/>		<b>Project</b>	
<b><u>Description and Function of new capital item:</u></b>			
<p>(18) PMNN4994: This IMPREST™ 2 Li-Ion, 3400mAh battery is IP68 rated, which means it can be fully submersed in two meters of water for up to four hours. Designed with a rugged housing, this battery is as tough as the radio. IMPREST™ 2 batteries, when combined with an IMPREST™ 2 charger, deliver up to 60% more charging cycles and a 40% faster charge time than traditional Lithium-Ion batteries. Motorola has extended their capacity warranty from 18 to 24 months, and now offers a 48-months workmanship warranty. IMPREST™ 2 batteries are compatible with all existing IMPREST™ chargers (with software version 3.11 or newer), so your upgrade will be a smooth one.</p> <p>(9) PMNN4486: Intelligent Motorola Portable Radio Energy System generation 2, IMPRES(TM) 2, is a battery - device - charger system solution delivering Mission Critical dependable performance. An IMPRES 2 charger - such as NNTN8844 MultiUnitCharger, the NNTN8860 SingleUnitCharger, or the NNTN7624 single unit rapid rate vehicular charger - with proprietary Motorola Solutions algorithms increases the battery cell manufacturer's rated number of full charge/full discharge cycles up to 60% and is backed by Motorola Solutions' 24-month capacity warranty - see Battery Warranty Statement. Compatible with original IMPRES(TM) chargers software version 3.11 or newer. Certified with the APX device to deliver Mission Critical performance in the harshest environments. Proven Tough construction with a 48-month workmanship warranty.</p>			
<p>The Latitude 5430 Rugged has a 14-inch 1080p touchscreen capable of reaching 1,100 nits. When it comes to durability, the Latitude 5430 can withstand drops of up to 3 feet and has Ingress Protection IP-53 to prevent dust, dirt or water from damaging the system. The 5430 Rugged passed MIL-STD-810H testing for extreme humidity, altitude, thermals and more. There is no shortage of ports for connecting external monitors or other equipment. This laptop has a RJ-45 Ethernet port, a pair of USB 3.2 ports, two Thunderbolt 4 ports, an HDMI 2.0 port, RS232 serial port, a headphone/mic jack and an optional I/O bay for another RJ-45 jack, USB Type-A, or Fischer USB 3.0 9-pin.</p> <p>At 4.4 pounds and 13.4 x 9.7 x 1.3 inches, the Latitude 5430 Rugged has a larger footprint than its 13-inch counterpart but weighs considerably less. Performance is handled by Intel 11th Gen processors with up to a Core i7-1185G7 for more demanding tasks.</p>			

**Explain new or improved service that will result from new item:**

The Police Department is seeking to purchase twenty-seven prep radio batteries. These additional batteries will allow us to complete the replacement of our current inventory of prep radio batteries... which are beyond end of life (purchased in 2015).

Consistent and reliable communication is key to police employee safety and response. This purchase will allow us to continue with the current capabilities of our police radio system.

The Police Department is also seeking to purchase a Dell Latitude 5430 Rugged laptop for use by our officer assigned to the Homeland Security Investigations Task Force. This laptop will be used by this officer to access Clemis applications and to write and submit reports and search warrants.

**Why is this new item needed? Why does the Township need to provide this service?**

The Police Department is not seeking to add additional batteries to its inventory. These are replacement batteries for prep radio's that are currently in use. This purchase will allow each officer to have one battery in use and one charging/backup... just as they do now. Our current prep radio batteries are past end of life and many are no longer capable of holding a full charge.

If these new batteries are not purchased, officers will not have a battery for their prep radio that will last their entire shift. Due to increased materials cost, we require additional funds to complete the previously approved budget request (requested 80 new batteries for the 2022 budget - \$8,000).

The laptop is needed so that our HSI Task Force officer can access Clemis applications remotely and write and submit search warrant requests in the field. Members of this task force can find themselves conducting their operations anywhere in the state. As such, having access to a laptop computer is essential for our task force officer to effectively conduct their work.

**How will any current services be affected or changed if approved? What will happen if this item is Not approved?**

Purchasing the requested prep radio batteries will allow our current level of services to continue. If these batteries are not purchased, our officers will have to perform their duties with a prep radio battery that will likely die before the end of their shift.

Purchasing the requested laptop will allow our Homeland Security Investigations task force officer to more efficiently and effectively complete his investigations and perform his duties. If the laptop is not purchased, this officer will only be able to utilize Clemis applications and write his reports back at the HSI task force offices. This will negatively impact the effectiveness of this investigative unit.

**How do you anticipate providing this service?**

These items will be ordered through our suppliers and delivered to the police department. The batteries can be placed into immediate use, while the laptop will need to go to Clemis (in Oakland County) to have all the Clemis programs installed.


**What will be the operating budget impact? (personnel, supplies, other charges):**

There will be no impact on the operating budget moving forward.

# Latitude 5430 Rugged

## Setup and Specifications

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Set up your Latitude 5430 Rugged

## About this task

**NOTE:** The Images in this document may differ from your computer depending on the configuration you ordered.

## Steps

1. Connect the power adapter and press the power button.



**NOTE:** To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish operating system setup.

### For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles [SLN151664](#) and [SLN151748](#) at [www.dell.com/support](http://www.dell.com/support).






### For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.
  - NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

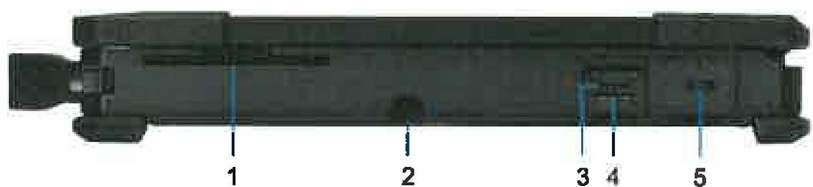
3. Locate and use Dell apps from the Windows Start menu—Recommended.

**Table 1. Locate Dell apps**

Resources	Description
	<b>Dell Product Registration</b> Register your computer with Dell.
	<b>Dell Help &amp; Support</b> Access help and support for your computer.
	<b>SupportAssist</b> SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on <a href="http://www.dell.com/serviceabilitytools">www.dell.com/serviceabilitytools</a> . <i>NOTE:</i> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
	<b>Dell Update</b> Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article <a href="http://www.dell.com/support">000149088</a> at <a href="http://www.dell.com/support">www.dell.com/support</a> .
	<b>Dell Digital Delivery</b> Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article <a href="http://www.dell.com/support">000129837</a> at <a href="http://www.dell.com/support">www.dell.com/support</a> .

## Views of Latitude 5430 Rugged

### Right



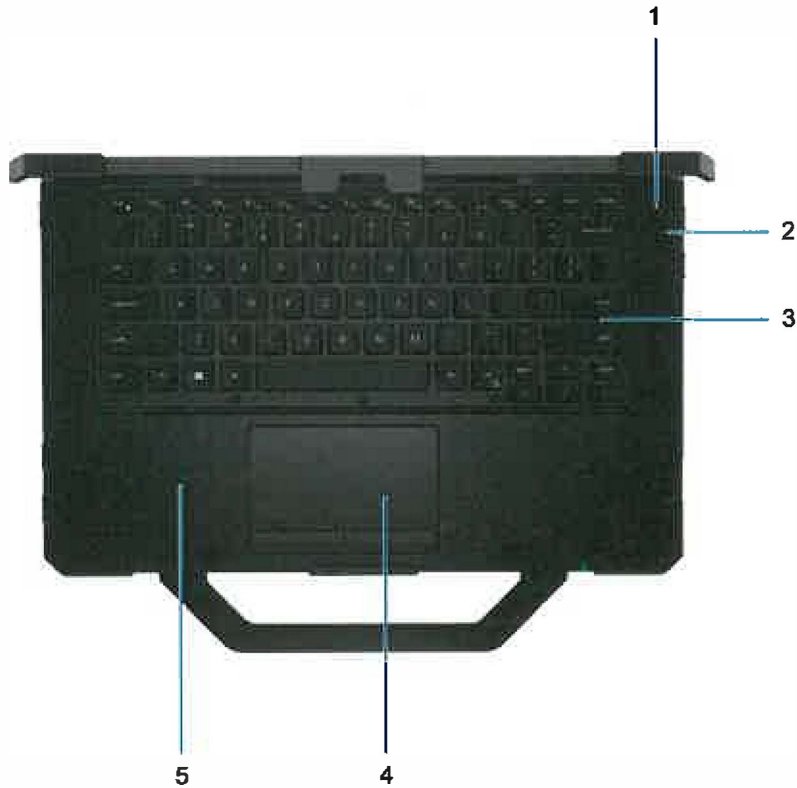
1. Smart-card reader slot (optional)
2. Stylus slot (optional)
3. Nano SIM card slot
4. microSD-card slot
5. Thunderbolt 4/USB 3.2 Gen 2 Type-C port with PowerDelivery 3.0 (optional)

### Left



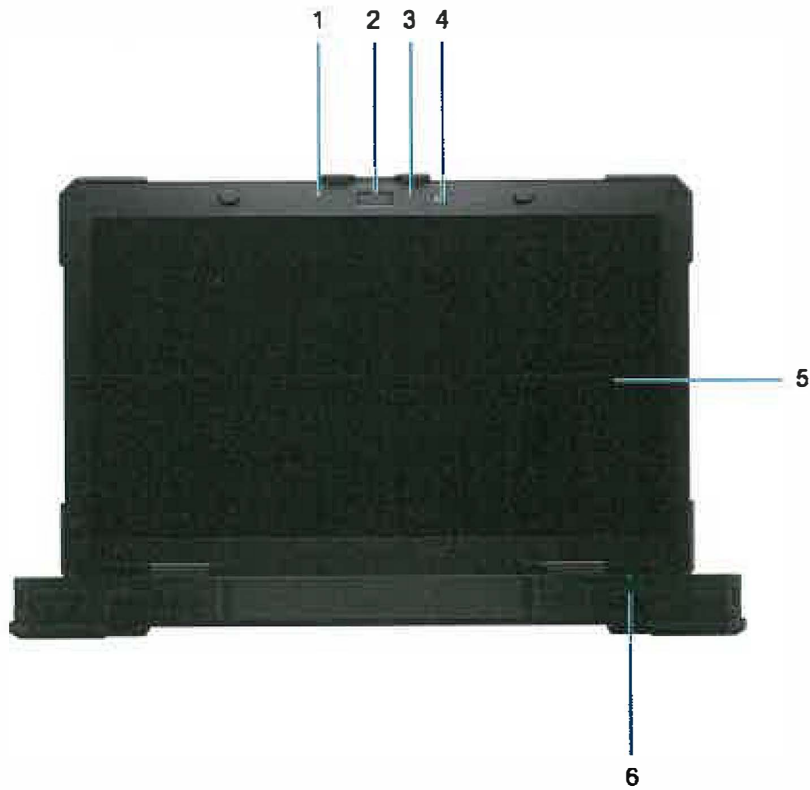
1. Thunderbolt 4/USB 3.2 Gen 2 Type-C port with Power Delivery 3.0
2. USB 3.2 Gen 1 port with PowerShare
3. USB 3.2 Gen 1 port
4. Headset (headphone and microphone combo) port

## Top



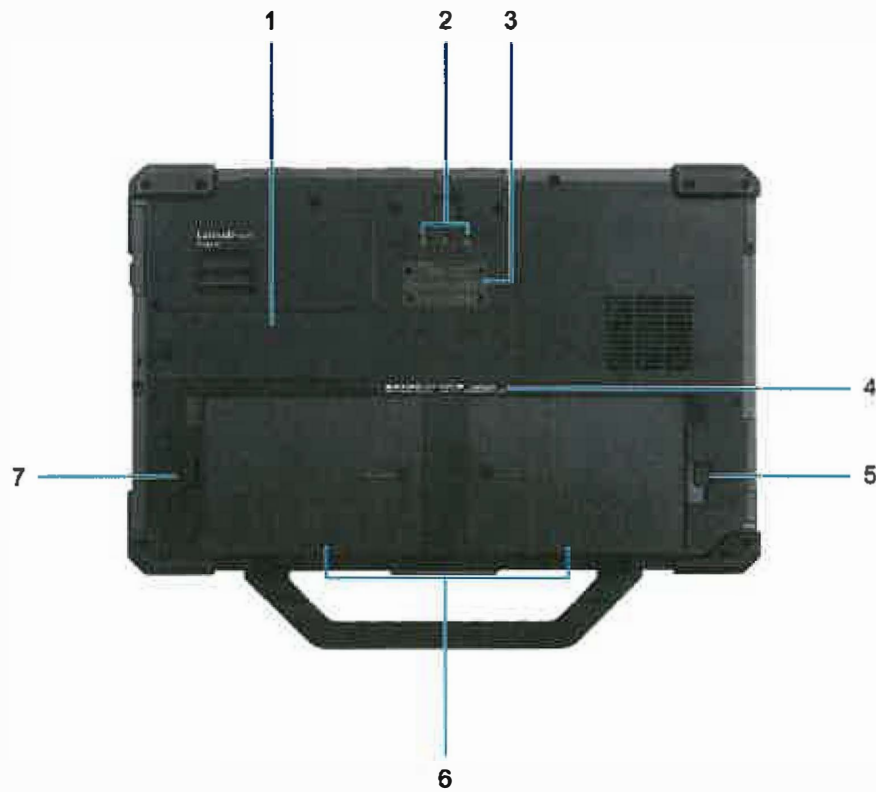
1. Power status light
2. Power button with optional fingerprint reader
3. Keyboard
4. Touchpad
5. Near Field Communication (NFC)

## Front



1. Microphone
2. Privacy shutter
3. LED/IR lens
4. Microphone
5. Display
6. Battery-status light/Diagnostic-status light

## Bottom



1. Solid-state drive door
2. Radio frequency pass-through connectors
3. Docking port
4. Service tag label
5. Battery 1 latch
6. Batteries
7. Battery 2 latch

## Back

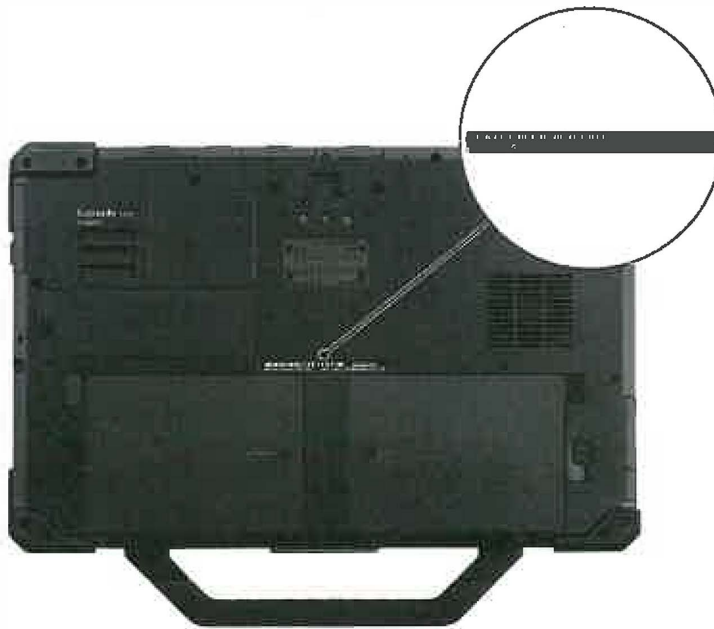


1. Optional I/O bay (RJ45/USB Type-A/Native Serial/Fischer USB 3.0 9-pin/Blank)
2. RJ45 Ethernet port
3. Serial RS-232 port
4. Battery 1 latch
5. Battery 2 latch

4. HDMI 2.0 port
5. Kensington lock slot

## Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.



## Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 5430 Rugged.

**Table 2. Battery charge and status light behavior**

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Green	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	10% < RSOC <= 100%
Battery	Solid Amber (590+/-3 nm)	S0	<= 10%


- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, expect for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The system is in a shutdown state.

# Specifications of Latitude 5430 Rugged

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 5430 Rugged.

**Table 3. Dimensions and weight**

Description	Values
Height:	
Front height	33.60 mm (1.32 in.)
Rear height	33.60 mm (1.32 in.)
Width	340.00 mm (13.38 in.)
Depth	220.00 mm (8.66 in.)
Weight (minimum)	1.97 kg (4.35 lb)
	 <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.

## Processor

The following table lists the details of the processors supported by your Latitude 5430 Rugged.

**Table 4. Processor**

Description	Option one	Option two	Option three
Processor type	11 <sup>th</sup> Generation Intel Core i5-1135G7	11 <sup>th</sup> Generation Intel Core i5-1145G7 vPro	11 <sup>th</sup> Generation Intel Core i7-1185G7 vPro
Processor wattage	28 W	28 W	28 W
Processor core count	4	4	4
Processor thread count	8	8	8
Processor speed	2.40 GHz to 3.80 GHz	2.60 GHz to 4.0 GHz	3.0 GHz to 4.30 GHz
Processor cache	8 MB	8 MB	12 MB
Integrated graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics

## Chipset

The following table lists the details of the chipset supported by your Latitude 5430 Rugged.

**Table 5. Chipset**

Description	Values
Chipset	Intel TGL UP3
Processor	11 <sup>th</sup> Generation Intel Core i5/i7
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Gen 4 for Discrete graphics

## Memory

The following table lists the memory specifications of your Latitude 5430 Rugged.

**Table 6. Memory specifications**

Description	Values
Memory slots	Two SoDIMM slots
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	64 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB, 16 GB, 32 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz, Non-ECC</li><li>• 16 GB, 2 x 8 GB, DDR4, 3200 MHz, Non-ECC, dual-channel</li><li>• 32 GB, 2 x 16 GB, DDR4, 3200 MHz, Non-ECC, dual-channel</li><li>• 64 GB, 2 x 32 GB, DDR4, 3200 MHz, Non-ECC, dual-channel</li></ul>

## External ports

The following table lists the external ports of your Latitude 5430 Rugged.

**Table 7. External ports**

Description	Values
Network port	One RJ45 Ethernet port
USB ports	<ul style="list-style-type: none"><li>• One USB 3.2 Gen 1 port</li><li>• One USB 3.2 Gen 1 port with PowerShare</li></ul>

**Table 7. External ports (continued)**

Description	Values
	<ul style="list-style-type: none"> <li>One Thunderbolt 4/USB 3.2 Gen 2 Type-C port with PowerDelivery 3.0</li> <li>One Thunderbolt 4/USB 3.2 Gen 2 Type-C port with PowerDelivery 3.0 (optional)</li> <li>One Optional I/O bay (RJ45/USB Type-A/Native Serial/Fischer USB 3.0 9-pin/Blank)</li> </ul>
Audio port	Headset (headphone and microphone combo) port
Video port	One HDMI 2.0 port
I/O port	<ul style="list-style-type: none"> <li>One Serial RS-232 port</li> <li>Nano SIM card slot</li> <li>Smart card reader (optional)</li> </ul>
Media-card reader	One microSD-card slot
Power-adaptor port	One USB Type-C port
Security-cable slot	One Kensington lock slot

## Internal slots

The following table lists the internal slots of your Latitude 5430 Rugged.

**Table 8. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"> <li>One M.2 2230 slot for Wi-Fi and Bluetooth card</li> <li>One M.2 2230/2280 slot for solid-state drive</li> <li>One M.2 3042 slot for upsell WWAN card</li> </ul> <p><b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="https://www.dell.com/support/solutions/1000144170">000144170</a> at <a href="https://www.dell.com/support">www.dell.com/support</a>.</p>

## Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Latitude 5430 Rugged.

**Table 9. Ethernet specifications**

Description	Values
Model number	Intel I219LM
Transfer rate	10/100/1000 Mbps

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Latitude 5430 Rugged.

**Table 10. Wireless module specifications**

Description	Option one	Option two
Model number	Qualcomm WCN6856-DBS	Intel AX210
Transfer rate	Up to 3571 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	802.11ax (Wi-Fi 6E)	802.11ax (Wi-Fi 6E)
Encryption	<ul style="list-style-type: none"> <li>64-bit and 128-bit WEP</li> <li>128-bit AES-CCMP</li> <li>TKIP</li> </ul>	<ul style="list-style-type: none"> <li>64-bit and 128-bit WEP</li> <li>128-bit AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth	5.2	5.2

## WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module that is supported on your Latitude 5430 Rugged.

**Table 11. WWAN module specifications**

Description	Option one	Option two
Model number	DW5821e, Qualcomm Snapdragon SDX20 Global Gigabit LTE	DW5930e, Qualcomm Snapdragon SDX55 5G
Transfer rate	Up to 1.2 Gbps DL/150 Mbps UL (Cat 16)	Up to 3 Gbps DL/250 Mbps UL (3GPP Release15 NR/LTE CAT20)
Frequency bands supported	<ul style="list-style-type: none"> <li>LTE FDD: (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 66)</li> <li>HSPA+: (1, 2, 4, 5, 6, 8, 9, 19)</li> </ul>	<ul style="list-style-type: none"> <li>NR: (1, 2, 3, 5, 7, 8, 12, 20, 28, 38, 41, 66, 71, 77, 78, 79)</li> <li>LTE: (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 66)</li> <li>HSPA+: (1, 2, 4, 5, 6, 8, 9, 19)</li> </ul>
Wireless standards	<ul style="list-style-type: none"> <li>LTE FDD/TDD</li> <li>WCDMA/HSPA+</li> <li>GPS/GLONASS/Beidou/Galileo</li> </ul>	<ul style="list-style-type: none"> <li>NR FR1(Sub6) FDD/TDD</li> <li>LTE FDD/TDD</li> <li>WCDMA/HSPA+</li> <li>GPS/GLONASS/Beidou/Galileo</li> </ul>
Encryption	Not supported	Not supported
Global Navigation Satellite System (GNSS)	Supports GPS, and GLONASS	Supports GPS, and GLONASS
<b>NOTE:</b> For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, see the knowledge base article <a href="https://www.dell.com/support">000143678</a> at <a href="https://www.dell.com/support">www.dell.com/support</a> .		

## Audio

The following table lists the audio specifications of your Latitude 5430 Rugged.

**Table 12. Audio specifications**

Description		Values
Audio controller		Realtek ALC3254
Stereo conversion		Supported
Internal audio interface		High definition audio
External audio interface		Headset (headphone and microphone combo) port
Number of speakers		Two
Internal-speaker amplifier		Supported (audio codec integrated)
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

## Storage

This section lists the storage options on your Latitude 5430 Rugged.

Your computer supports one of the following configurations:

- One M.2 2230/2280 solid-state drive (Class 35 or Class 40)

The primary drive of your computer varies with the storage configuration. For systems with a M.2 drive, the M.2 drive is the primary drive.


**Table 13. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe 3 Gen x4 NVMe, Class 35	Up to 1 TB
M.2 2280 solid-state drive	PCIe 4 Gen x4 NVMe, Class 40	Up to 2 TB
M.2 2280 solid-state drive	PCIe 4 Gen x4 NVMe, Class 40, self-encrypting drive	512 GB

## Media-card reader

The following table lists the media cards supported by your Latitude 5430 Rugged.


**Table 14. Media-card reader specifications**

Description	Values
Media-card type	microSD-card
Media-cards supported	<ul style="list-style-type: none"><li>Secure Digital (MS)</li><li>Secure Digital High Capacity (SDHC)</li><li>Secure Digital Extended Capacity (SDXC)</li></ul>
 <b>NOTE:</b> The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

## Keyboard

The following table lists the keyboard specifications of your Latitude 5430 Rugged.

**Table 15. Keyboard specifications**

Description	Values
Keyboard type	<ul style="list-style-type: none"><li>Standard, non-backlit keyboard</li><li>Standard, RGB backlit keyboard</li><li>Rubberized Sealed RGB backlit keyboard</li></ul>
Keyboard layout	<ul style="list-style-type: none"><li>QWERTY</li><li>AZERTY</li><li>Kanji</li></ul>
Number of keys	<ul style="list-style-type: none"><li>United States and Canada: 82 keys</li><li>United Kingdom: 83 keys</li><li>Brazil: 84 keys</li><li>Japan: 86 keys</li></ul>
Keyboard size	X= 19.05 mm key pitch Y= 19.05 mm key pitch
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p>  <b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.

## Camera (optional)

The following table lists the camera specifications of your Latitude 5430 Rugged.

**Table 16. Camera specifications**

Description		Values
Number of cameras		One
Camera type		HD RGB camera
Camera location		Front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
Infrared camera resolution:		
	Still image	2.07 megapixel
	Video	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:		
	Camera	78.60 degrees
	Infrared camera	87.60 degrees

## Touchpad

The following table lists the touchpad specifications of your Latitude 5430 Rugged.


**Table 17. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	1196
	Vertical	600
Touchpad dimensions:		
	Horizontal	101.70 mm (4.00 in.)
	Vertical	52.00 mm (2.04 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article <a href="#">4027871</a> at <a href="http://support.microsoft.com">support.microsoft.com</a>

## Power adapter

The following table lists the power adapter specifications of your Latitude 5430 Rugged.

**Table 18. Power adapter specifications**

Description	Option one	Option two
Type	65 W AC adapter, USB-C	90 W AC adapter, USB-C
Power-adapter dimensions:		
Height	0.87 mm (0.034 in.)	0.87 mm (0.034 in.)
Width	2.60 mm (0.102 in.)	2.60 mm (0.102 in.)
Depth	5.12 mm (0.201 in.)	5.12 mm (0.201 in.)
Input voltage	100 VAC to 240 VAC	100 VAC to 240 VAC
Input frequency	50 Hz to 60 Hz	50 Hz to 60 Hz
Input current (maximum)	1.5 A	1.8 A
Output current (continuous)	<ul style="list-style-type: none"> <li>20 V/3.25 A</li> <li>15 V/3 A</li> <li>9 V/3 A</li> <li>5 V/3 A</li> </ul>	<ul style="list-style-type: none"> <li>20 V/4.50 A</li> <li>15 V/3 A</li> <li>9 V/3 A</li> <li>5 V/3 A</li> </ul>
Rated output voltage	<ul style="list-style-type: none"> <li>20 VDC</li> <li>15 VDC</li> <li>9 VDC</li> <li>5 VDC</li> </ul>	<ul style="list-style-type: none"> <li>20 VDC</li> <li>15 VDC</li> <li>9 VDC</li> <li>5 VDC</li> </ul>
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
 <b>CAUTION</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

## Battery

The following table lists the battery specifications of your Latitude 5430 Rugged.

**Table 19. Battery specifications**

Description	Option one	Option two
Battery type	3-cell, 53.5 Wh, lithium-ion, ExpressCharge	3-cell, 53.5 Wh, lithium-ion, Long Life Cycle
Battery voltage	11.4 VDC	11.4 VDC
Battery weight (maximum)	0.265 kg (0.584 lb)	0.265 kg (0.584 lb)
Battery dimensions:		

**Table 19. Battery specifications (continued)**

Description		Option one	Option two
	Height	15.30 mm (0.60 in.)	15.30 mm (0.60 in.)
	Width	86.29 mm (3.39 in.)	86.29 mm (3.39 in.)
	Depth	128.44 mm (5.05 in.)	128.44 mm (5.05 in.)
Temperature range:			
	Operating	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
	Storage	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on <a href="http://www.dell.com">www.dell.com</a> .		Two hours	Two hours
Coin-cell battery		CR2032	CR2032
<b>CAUTION</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.			
<b>CAUTION</b> Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.			

## Display

The following table lists the display specifications of your Latitude 5430 Rugged.

**Table 20. Display specifications**

Description		Option one	Option two
Display type		14-inch, Full High Definition (FHD)	14-inch, Full High Definition (FHD)
Display-panel technology		Wide-viewing angle (WVA)	Wide-viewing angle (WVA)
Display-panel dimensions (active area):			
	Height	173.95 mm (6.84 in.)	173.95 mm (6.84 in.)
	Width	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)
	Diagonal	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)
Display-panel native resolution		1920 x 1080	1920 x 1080
Luminance (typical)		400 nits	1100 nits

**Table 20. Display specifications (continued)**

Description	Option one	Option two
Megapixels	16.7	16.7
Color gamut	sRGB 100% typical	sRGB 100% typical
Pixels Per Inch (PPI)	157	157
Contrast ratio (min.)	1500:1	1500:1
Response time (max.)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	85 degrees	88 degrees
Vertical view angle	85 degrees	88 degrees
Pixel pitch	0.161 x 0.161 mm	0.161 x 0.161mm
Power consumption (maximum)	2.5 W	5.95 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Touch options	No	Yes with 10 touch points

## Fingerprint reader on the power button (optional)

The following table lists the fingerprint-reader specifications of your Latitude 5430 Rugged.

**Table 21. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	363 dpi
Fingerprint-reader sensor pixel size	108 x 88

## Sensor

The following table lists the sensor of your Latitude 5430 Rugged.

**Table 22. Sensor**

Sensor
Hall Effect sensor

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 5430 Rugged.

**Table 23. GPU—Integrated**

Controller	Memory size	Processor
Intel Iris X <sup>e</sup> Graphics	Shared system memory	11 <sup>th</sup> Generation Intel Core i5/i7

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Latitude 5430 Rugged.

**Table 24. GPU—Discrete**

Controller	Memory size	Memory type
NVIDIA T500	4 GB	GDDR6

## Multiple display support matrix

**Table 25. Integrated graphics card**

Graphics Card	Intel Iris X <sup>e</sup> graphics
Video ports on Integrated Graphics Card	<ul style="list-style-type: none"><li>1 x USB Type-C port + 1 x USB Type-C port (optional)</li><li>1 x HDMI2.0 port</li></ul>
Number of displays	4

**Table 26. Discrete graphics card**

Graphics Card	NVIDIA T500
Memory	4 GB GDDR6
Total Power	18 W

## Hardware security

The following table lists the hardware security of your Latitude 5430 Rugged.

**Table 27. Hardware security**

Hardware security
Kensington lock slot
Mechanical camera privacy shutter
Trusted Platform Module (TPM) 2.0 discrete
FIPS (Federal Information Processing Standards) 140-2 certification for Trusted Platform Module (TPM)
Trusted Computing Group (TCG) Certification for TPM
Self-Encrypting Drive (SED), Opal 2.0 only - PCIe Interface
ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification

**Table 27. Hardware security (continued)**

<b>Hardware security</b>
Optional Fingerprint Reader with Control Vault 3 (optional)
Optional Contacted Smart-Card and Control Vault 3 (optional)
Optional Contactless Smart-Card, NFC, and Control Vault 3 (optional)
Statement of Non-Volatility
Chassis Intrusion Detection
Dell Trusted Device Agent Validation

## Smart-card reader

The following table lists the smart-card reader specifications that are supported by your Latitude 5430 Rugged.

**Table 28. Contactless smart-card reader**

Type	FIPS 201 Contacted/Contactless Smart-card reader
ISO certification	ISO14443A

## Contacted smart-card reader

The following table lists the contacted smart-card reader specifications supported by your Latitude 5430 Rugged.

**Table 29. Contacted smart-card reader**

Title	Description	Dell ControlVault 3 Smart-card reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5 V powered smart-card	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3 V powered smart-card	Yes
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8 V powered smart-card	Yes
T=0 support	Cards support character level transmission	Yes
T=1 support	Cards support block level transmission	Yes
EMVCo Compliant	Compliant with EMVCo (for electronic payment standards) smart-card standards as posted to <a href="http://www.emvco.com">www.emvco.com</a>	Yes
EMVCo Certified	Formally certified based on EMVCO smart-card standards	Yes
PC/SC OS interface	Personal Computer/Smart-Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers.	Yes
Windows Certified	Device certified by WHCK	Yes

**Table 29. Contacted smart-card reader (continued)**

Title	Description	Dell ControlVault 3 Smart-card reader
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/HSPD-12 requirements	Yes
ISO 7816-1 Compliant	Specification for the reader	Yes
ISO 7816 -2 Compliant	Specification for smart-card device physical characteristics (size, location of connection points, etc.)	N/A
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes

## Contactless smart-card reader

The following table lists the contactless smart-card reader specifications supported by your Latitude 5430 Rugged.

**Table 30. Contactless smart-card reader**

Title	Description	Dell ControlVault 3 Contactless Smart-card reader with NFC
Felica Card Support	Reader and software capable of supporting Felica contactless cards	Yes
Prox (Proximity) (125 kHz) Card support	Reader and software capable of supporting Prox/Proximity/125 kHz contactless cards	No
ISO 14443 Type A Card Support	Reader and software capable of supporting ISO 14443 Type A contactless cards	Yes
ISO 14443 Type B Card Support	Reader and software capable of supporting ISO 14443 Type B contactless cards	Yes
ISO/IEC 21481	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO/IEC 18092	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO 15693 Card Support	Reader and software capable of supporting ISO15693 contactless cards	Yes
NFC Tag Support	Supports reading and processing of NFC compliant tag information	Yes
NFC Reader Mode	Support for NFC Forum Defined Reader mode	Yes
NFC Writer Mode	Support for NFC Forum Defined Writer mode	Yes
NFC Peer-to-Peer Mode	Support for NFC Forum Defined Peer to Peer mode	Yes
NFC Proximity OS Interface	Enumerates NFP (Near Field Proximity) device for OS to utilize	Yes
PC/SC OS interface	Personal Computer/Smart-Card specification for integration of hardware	Yes

**Table 30. Contactless smart-card reader (continued)**

Title	Description	Dell ControlVault 3 Contactless Smart-card reader with NFC
	readers into personal computer environments	
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers	Yes
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes

**NOTE:** 125 Khz proximity cards are not supported.

**Table 31. Supported cards**


Manufacturer	Card	Supported
HID	JCOP readertest3 A card (14443a)	Yes
	1430 1L	
	DESFire D8H	
	iClass (Legacy)	
	iClass SEOS	
NXP/Mifare	Mifare DESFire 8K White PVC Cards	Yes
	Mifare Classic 1K White PVC Cards	
	NXP Mifare Classic S50 ISO Card	
G&D	idOnDemand - SCE3.2 144K	Yes
	SCE6.0 FIPS 80K Dual+ 1 K Mifare	
	SCE6.0 nonFIPS 80K Dual+ 1 K Mifare	
	SCE6.0 FIPS 144K Dual + 1K Mifare	
	SCE6.0 nonFIPS 144K Dual + 1 K Mifare	
	SCE7.0 FIPS 144K	
Oberthur	idOnDemand - OCS5.2 80K	Yes
	ID-One Cosmo 64 RSA D V5.4 T=0 card	
	ID-One Cosmo 128K V5.5 card	
Gemalto	TOP DL GX4 144K card	Yes
Sony	Felica RC-S962	Yes
	Felica RC-S966	Yes
PIVKey	C910 PKI	Yes
IDENTIV	PIV programmed cards	Yes

## Operating and storage environment

This table lists the operating and storage specifications of your Latitude 5430 Rugged.

**Airborne contaminant level:** G1 as defined by ISA-S71.04-1985

**Table 32. Computer environment**

Description	Operating	Storage
Temperature range	-29°C to 63°C (-20.2°F to 145.4°F)	-51°C to 71°C (-59.8°F to 159.8°F)
Relative humidity (maximum)	<ul style="list-style-type: none"><li>• minimum: 10% (non-condensing)</li><li>• maximum: 90% (non-condensing)</li></ul>	<ul style="list-style-type: none"><li>• minimum: 0% (non-condensing)</li><li>• maximum: 95% (non-condensing)</li></ul>
Vibration (maximum)*	<ul style="list-style-type: none"><li>• Vertical - 1.04 GRMS</li><li>• Transverse - 0.20 GRMS</li><li>• Longitudinal - 0.74 GRMS</li></ul>	<ul style="list-style-type: none"><li>• Vertical - 2.24 GRMS</li><li>• Transverse - 1.45 GRMS</li><li>• Longitudinal - 1.32 GRMS</li></ul>
Shock (maximum)	160 G <sup>†</sup>	185 G <sup>†</sup>
Altitude range	12192 m (40,000 ft)	12192 m (40,000 ft)
 <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

## Color, material, and finish

This section details the color, material, and finish (CMF) specifications of your Latitude 5430 Rugged.

**Table 33. CMF specifications**

A Cover (Top)	<ul style="list-style-type: none"><li>• Dell standard black, resin</li><li>• Resin + Carbon Fiber + TPE</li><li>• 5.5±1.5 GU, MT11010</li></ul>
B Cover (Hinge up)	<ul style="list-style-type: none"><li>• Maluck black, matte</li><li>• Resin</li><li>• 5.5±1.5 GU, MT11010</li></ul>
C Cover (Palmrest)	<ul style="list-style-type: none"><li>• Maluck black, matte</li><li>• Magnesium</li><li>• 5.5±1.5 GU</li></ul>
D Cover (Bottom)	<ul style="list-style-type: none"><li>• Maluck black, matte</li><li>• Magnesium</li><li>• 5.5±1.5 GU</li></ul>

## Keyboard shortcuts of Latitude 5430 Rugged

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol that is shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol that is shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift + 2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn + Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn + F1**.

**NOTE:** You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

**Table 34. List of keyboard shortcuts**

Function key	Primary behavior
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Microphone Mute
F5	KB Illumination/Backlight
F6	Decrease brightness
F7	Increase brightness
F8	Switch to external display
F9	Scroll Lock
F10	Print screen
F12	Home

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

**Table 35. Secondary behavior**

Function key	Secondary behavior
Fn + F1	Operating system and application specific F1 behavior
Fn + F2	Operating system and application specific F2 behavior
Fn + F3	Operating system and application specific F3 behavior
Fn + F4	Operating system and application specific F4 behavior
Fn + F5	Operating system and application specific F5 behavior
Fn + F6	Operating system and application specific F6 behavior
Fn + F8	Operating system and application specific F8 behavior

**Table 35. Secondary behavior (continued)**



Function key	Secondary behavior
Fn + F9	Operating system and application specific F9 behavior
Fn + F10	Operating system and application specific F10 behavior
Fn + F11	Operating system and application specific F11 behavior
Fn + F12	Operating system and application specific F12 behavior
Fn + PrtScr	Turn off/on wireless
Fn + B	Pause/Break
Fn + Insert	Sleep
Fn + S	Toggle scroll lock
Fn + H	Toggle between power and battery-status light/hard-drive activity light
Fn + R	System request
Fn + Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock

## Getting help and contacting Dell

### Self-help resources

You can get information and help on Dell products and services using these self-help resources:

**Table 36. Self-help resources**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
My Dell app	
Tips	
Contact Support	In Windows search, type <b>Contact Support</b> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a>
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at <a href="http://www.dell.com/support">www.dell.com/support</a> .  For more information on how to find the Service Tag for your computer, see <a href="#">Locate the Service Tag on your computer</a> .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> <li>1. Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2. On the menu bar at the top of the Support page, select <b>Support &gt; Knowledge Base</b>.</li> <li>3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.</li> </ol>

### Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [www.dell.com/contactdell](http://www.dell.com/contactdell).

**NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

**NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.



## A quote for your consideration

Based on your business needs, we put the following quote together to help with your purchase decision. Below is a detailed summary of the quote we've created to help you with your purchase decision.

To proceed with this quote, you may respond to this email, order online through your [Premier page](#), or, if you do not have Premier, use this [Quote to Order](#).

<b>Quote No.</b>	<b>3000114406047.1</b>	<b>Sales Rep</b>	Olivia Stanbury
<b>Total</b>	<b>\$2,757.96</b>	<b>Phone</b>	(800) 456-3355, 80000
<b>Customer #</b>	81698584	<b>Email</b>	Olivia_Stambury@Dell.com
<b>PO Number</b>	SS1307803	<b>Billing To</b>	ACCOUNTS PAYABLE
<b>Quoted On</b>	Mar. 11, 2022		OAKLAND COUNTY INFORMATION
<b>Expires by</b>	Apr. 10, 2022		TCH
<b>Contract Name</b>	071B6600111		2100 PONTIAC LAKE RD 4TH FL
<b>Contract Code</b>	C000000009850		BLDG 41W
<b>Customer Agreement #</b>	071B6600111		WATERFORD, MI 48328-0403
<b>Solution ID</b>			
<b>Deal ID</b>	22025849		

### Message from your Sales Rep

Please contact your Dell sales representative if you have any questions or when you're ready to place an order. Thank you for shopping with Dell!

Regards,  
Olivia Stanbury

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### Shipping Group

<b>Shipping To</b>	<b>Shipping Method</b>
EDDIE DEWITT	Standard Delivery
OAKLAND COUNTY INFORMATION	
TCH	
1200 N TELEGRAPH RD	
BLDG 49W, DEPT 421 CLEMIS	
PONTIAC, MI 48341-0421	
(248) 858-9941	

Product	Unit Price	Quantity	Subtotal
Dell Latitude 5430 Rugged	\$2,719.96	1	\$2,719.96
Dell 15 Inch Laptop Slim Backpack - PO1520PS	\$24.00	1	\$24.00
Dell Wireless Mouse (Black) - WM126	\$14.00	1	\$14.00

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<b>Subtotal:</b>	<b>\$2,757.96</b>
<b>Shipping:</b>	<b>\$0.00</b>
<b>Environmental Fee:</b>	<b>\$0.00</b>
<b>Non-Taxable Amount:</b>	<b>\$2,757.96</b>
<b>Taxable Amount:</b>	<b>\$0.00</b>
<b>Estimated Tax:</b>	<b>\$0.00</b>
<hr/>	
<b>Total:</b>	<b>\$2,757.96</b>

## Shipping Group Details

### Shipping To

EDDIE DEWITT  
OAKLAND COUNTY INFORMATION  
TCH  
1200 N TELEGRAPH RD  
BLDG 49W, DEPT 421 CLEMIS  
PONTIAC, MI 48341-0421  
(248) 858-9941

### Shipping Method

Standard Delivery

	Quantity	Subtotal
<b>Dell Latitude 5430 Rugged</b>		
Estimated delivery if purchased today: Apr. 29, 2022 Contract # C000000009850 Customer Agreement # 071B6600111	\$2,719.96 1	\$2,719.96

Description	SKU	Unit Price	Quantity	Subtotal
Dell Latitude 5430 Rugged	210-BCFW	-	1	-
Intel Core Processor i7-1185G7, (QC, 3.0 to 4.3 GHz, 28W, vPro)	379-BERR	-	1	-
Windows 11 Pro, English, French, Spanish	619-AQLP	-	1	-
No Microsoft Office License Included – 30 day Trial Offer Only	658-BCSB	-	1	-
Intel® Core™ vPro i7-1185G7 with Iris Xe Graphics	338-CCRL	-	1	-
ME Lockout MOD - Manageability	631-ADED	-	1	-
16GB, 2x8GB, 3200 MHz DDR4 Non-ECC	370-AGTH	-	1	-
512GB M.2 PCIe NVMe Class 35 Solid State Drive	400-BMRW	-	1	-
14" Touch 1100 nits WVA FHD (1920 x 1080) 100% sRGB Anti-Glare, Outdoor Viewable	391-BGGI	-	1	-
English US RGB Backlit Sealed Internal keyboard	583-BILF	-	1	-
No Mouse	570-AADK	-	1	-
Intel AX210 WLAN Driver	555-BHCC	-	1	-
Intel AX210 Wireless Card with Bluetooth	555-BHCH	-	1	-
DW5821E w/o eSIM WWAN Card Snapdragon X20 LTE for AT&T	556-BCYN	-	1	-
Hot surface warning label	389-ECGC	-	1	-
Primary 3 Cell 53.5 Whr ExpressCharge Capable Battery	451-BCWC	-	1	-
65W Type-C EPEAT Adapter	492-BCXP	-	1	-
Full Security - Fingerprint Reader, Contacted Smartcard Reader, Contactless Smartcard Reader	346-BHQJ	-	1	-
No Anti-Virus Software	650-AAAM	-	1	-
OS-Windows Media Not Included	620-AALW	-	1	-
E4 Power Cord 1M for US	537-BBBL	-	1	-
Setup and Features Guide	340-CXCE	-	1	-
No Carrying Case	460-BBEX	-	1	-
Hot surface warning label	389-ECGC	-	1	-
Additional 3 Cell 53.5 Whr ExpressCharge Capable Battery	451-BCWD	-	1	-
No Resource USB Media	430-XXYG	-	1	-
SERI Guide (ENG/FR/Multi)	340-AGIK	-	1	-

ENERGY STAR Qualified	387-BBPC	-	1	-
Custom Configuration	817-BBBB	-	1	-
Dell Applications for Windows 11	658-BFIP	-	1	-
Shuttle Ship, Notebook, 5430 Rugged	340-CXHM	-	1	-
Intel(R) Core(TM) i7 non-vPro Processor Label	389-DXDV	-	1	-
BTO Standard Shipment (VS)	800-BBQK	-	1	-
No UPC Label	389-BCGW	-	1	-
Microphone +RGB HD camera; Touch; WLAN/WWAN antennae; Pogo vehicle docking and RF passthrough	319-BBHV	-	1	-
EPEAT 2018 Registered (Silver)	379-BDTO	-	1	-
Dedicated u-blox NEO GPS Card	540-BDCC	-	1	-
No AutoPilot	340-CKSZ	-	1	-
No additional rear port	590-TFHO	-	1	-
Additional TBT/Type-C port	325-BEJZ	-	1	-
Rigid handle	750-ADPK	-	1	-
ProSupport Plus: Next Business Day Onsite, 2 Years Extended	808-6796	-	1	-
ProSupport Plus: Next Business Day Onsite, 3 Years	808-6797	-	1	-
Dell Limited Hardware Warranty Initial Year	808-6805	-	1	-
ProSupport Plus: Accidental Damage Service, 5 Years	808-6826	-	1	-
ProSupport Plus: Keep Your Hard Drive, 5 Years	808-6827	-	1	-
ProSupport Plus: 7X24 Technical Support, 5 Years	808-6845	-	1	-
Dell Limited Hardware Warranty Extended Year(s)	975-3461	-	1	-
Thank you for choosing Dell ProSupport Plus. For tech support, visit www.dell.com/contactdell or call 1-866-516-3115	997-8367	-	1	-

			<b>Quantity</b>	<b>Subtotal</b>
<b>Dell 15 Inch Laptop Slim Backpack - PO1520PS</b>		<b>\$24.00</b>	<b>1</b>	<b>\$24.00</b>

Estimated delivery if purchased today:  
Mar. 18, 2022  
Contract # C000000009850  
Customer Agreement # 071B6600111

Description	SKU	Unit Price	Quantity	Subtotal
Dell 15 Inch Laptop Slim Backpack - PO1520PS	460-BCMJ	-	1	-
			<b>Quantity</b>	<b>Subtotal</b>
		<b>\$14.00</b>	<b>1</b>	<b>\$14.00</b>

**Dell Wireless Mouse (Black) - WM126**

Estimated delivery if purchased today:  
Mar. 18, 2022  
Contract # C000000009850  
Customer Agreement # 071B6600111

Description	SKU	Unit Price	Quantity	Subtotal
Dell Wireless Mouse (Black) - WM126	570-AALK	-	1	-

<b>Subtotal:</b>	<b>\$2,757.96</b>
<b>Shipping:</b>	<b>\$0.00</b>
<b>Environmental Fee:</b>	<b>\$0.00</b>
<b>Estimated Tax:</b>	<b>\$0.00</b>
<b>Total:</b>	<b>\$2,757.96</b>

## Important Notes

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### Terms of Sale

This Quote will, if Customer issues a purchase order for the quoted items that is accepted by Supplier, constitute a contract between the entity issuing this Quote ("Supplier") and the entity to whom this Quote was issued ("Customer"). Unless otherwise stated herein, pricing is valid for thirty days from the date of this Quote. All product, pricing and other information is based on the latest information available and is subject to change. Supplier reserves the right to cancel this Quote and Customer purchase orders arising from pricing errors. Taxes and/or freight charges listed on this Quote are only estimates. The final amounts shall be stated on the relevant invoice. Additional freight charges will be applied if Customer requests expedited shipping. Please indicate any tax exemption status on your purchase order and send your tax exemption certificate to [Tax\\_Department@dell.com](mailto:Tax_Department@dell.com) or [ARSalesTax@emc.com](mailto:ARSalesTax@emc.com), as applicable.

**Governing Terms** This Quote is subject to (a) a separate written agreement between Customer or Customer's affiliate and Supplier or a Supplier's affiliate to the extent that it expressly applies to the products and/or services in this Quote or, to the extent there is no such agreement, to the applicable set of Dell's Terms of Sale (available at [www.dell.com/terms](http://www.dell.com/terms) or [www.dell.com/oemterms](http://www.dell.com/oemterms)), or for cloud/as-a-Service offerings, the applicable cloud terms of service (identified on the Offer Specific Terms referenced below), and (b) the terms referenced herein (collectively, the "Governing Terms"). Different Governing Terms may apply to different products and services on this Quote. The Governing Terms apply to the exclusion of all terms and conditions incorporated in or referred to in any documentation submitted by Customer to Supplier.

**Supplier Software Licenses and Services Descriptions** Customer's use of any Supplier software is subject to the license terms accompanying the software, or in the absence of accompanying terms, the applicable terms posted on [www.Dell.com/eula](http://www.Dell.com/eula). Descriptions and terms for Supplier-branded standard services are stated at [www.dell.com/servicecontracts/global](http://www.dell.com/servicecontracts/global) or for certain infrastructure products at [www.dellemc.com/en-us/customer-services/product-warranty-and-service-descriptions.htm](http://www.dellemc.com/en-us/customer-services/product-warranty-and-service-descriptions.htm).

**Offer-Specific, Third Party and Program Specific Terms** Customer's use of third-party software is subject to the license terms that accompany the software. Certain Supplier-branded and third-party products and services listed on this Quote are subject to additional, specific terms stated on [www.dell.com/offeningspecificterms](http://www.dell.com/offeningspecificterms) ("Offer Specific Terms").

**In case of Resale only** Should Customer procure any products or services for resale, whether on standalone basis or as part of a solution, Customer shall include the applicable software license terms, services terms, and/or offer-specific terms in a written agreement with the end-user and provide written evidence of doing so upon receipt of request from Supplier.

**In case of Financing only** If Customer intends to enter into a financing arrangement ("Financing Agreement") for the products and/or services on this Quote with Dell Financial Services LLC or other funding source pre-approved by Supplier ("FS"), Customer may issue its purchase order to Supplier or to FS. If issued to FS, Supplier will fulfill and invoice FS upon confirmation that (a) FS intends to enter into a Financing Agreement with Customer for this order, and (b) FS agrees to procure these items from Supplier. Notwithstanding the Financing Agreement, Customer's use (and Customer's resale of and the end-user's use) of these items in the order is subject to the applicable governing agreement between Customer and Supplier, except that title shall transfer from Supplier to FS instead of to Customer. If FS notifies Supplier after shipment that Customer is no longer pursuing a Financing Agreement for these items, or if Customer fails to enter into such Financing Agreement within 120 days after shipment by Supplier, Customer shall promptly pay the Supplier invoice amounts directly to Supplier.

Customer represents that this transaction does not involve (a) use of U.S. Government funds, (b) use by or resale to the U.S. Government, or (c) maintenance and support of the product(s) listed in this document within classified spaces. Customer further represents that this transaction does not require Supplier's compliance with any statute, regulation or information technology standard applicable to a U.S. Government procurement.

For certain products shipped to end users in California, a State Environmental Fee will be applied to Customer's invoice. Supplier encourages customers to dispose of electronic equipment properly.

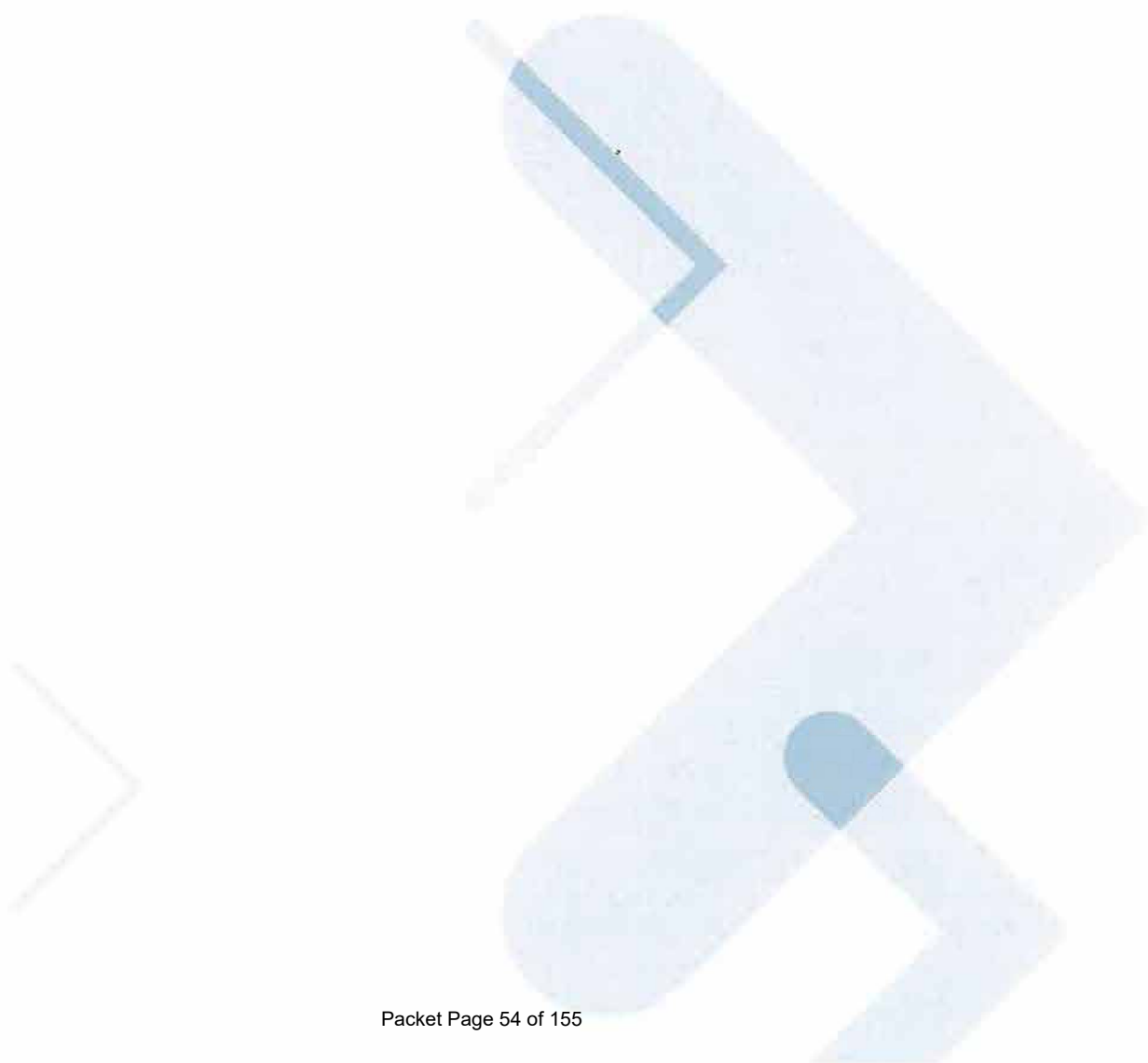
Electronically linked terms and descriptions are available in hard copy upon request.

#### **^Dell Business Credit (DBC):**

OFFER VARIES BY CREDITWORTHINESS AS DETERMINED BY LENDER. Offered by WebBank to Small and Medium Business customers with approved credit. Taxes, shipping and other charges are extra and vary. Minimum monthly payments are the greater of \$15 or 3% of account balance. Dell Business Credit is not offered to government or public entities, or business entities located and organized outside of the United States.



# Intelligent Battery Management: The Motorola IMPRES™ Smart Energy System



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  - 3 *Mission Critical Tasks Require Intelligent Energy Systems*
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  - 4 *Conventional Battery Maintenance*
  - 4 *Leverage Motorola's Exclusive IMPRES Technology*
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  - 5 *Common Battery Charging Realities*
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  - 7 *Intrinsically Safe Batteries Help Ensure Mission Safety*
- 7 IMPRES Meets the Public Safety Challenge

## Abstract

First responders and other mission critical workers demand ready and reliable two-way radio batteries. To ensure mission success, two-way radio batteries require recharging and reconditioning for optimal performance. While in the field, two-way radio users need to know exactly how much usage they can expect from their equipment, eliminating the worry about being caught on an 8-hour shift with a 4-hour battery.

Motorola introduces the concept of intelligent, automated battery maintenance with the IMPREST™ Smart Energy System of batteries and chargers. Exclusive technology only from Motorola, IMPRES allows departments to maintain their two-way radio batteries at the most optimal performance. Designed and tested to operate in extreme conditions while providing the assurance of high battery charge capacity throughout a full shift, the IMPRES Smart Energy System boosts workforce productivity and departmental efficiency.



**PMNN4066A**  
**7.2V Li-ion IMPRES**  
**Battery**

### The Need for Reliable Batteries is Real

Shock, vibration, and electrostatic discharge (ESD) wreak havoc on electronic systems—including two-way radio batteries. Many workers depend on their two-way radios to keep them in touch and in control of their tasks. First responders, such as police and fire professionals, need radio batteries that will withstand the hazards they experience in the field. In all lines of work, equipment reliability can make the difference between success and failure.

### *Mission Critical Tasks Benefit From Intelligent Energy Systems*

Professionals in all fields expect their equipment to be ready and reliable. Dependable two-way radio communications are a vital tool for saving lives, protecting property, and providing rapid response. In reality, improperly maintained batteries provide less than expected performance—jeopardizing the team and their mission.

Manually maintaining and reconditioning batteries stand as a time-consuming and costly chore. Mission critical radios can benefit from intelligent batteries that store usage information that the battery charger can use to determine proper reconditioning intervals. To make this possible, the battery and charger must have the ability to “talk” to each other.

### Motorola – A Pioneer in Two-Way Communication Systems

With over 65 years of experience developing wireless technologies and two-way radio systems, Motorola knows what it takes to power reliable, productive, and cost-effective communication systems.

- Unmatched leadership and experience in the communications industry
- Decades of expertise in providing secure systems for mission critical and government customers
- World's leading provider of mission critical communications networks implemented at over 100,000 sites globally
- Trusted advisor in the public safety industry
- History of supporting industry standards

Motorola's communications solutions help customers in all markets optimize processes, improve service, and reduce downtime. Motorola has decades of expertise in building reliable communications solutions for the rigorous demands of a mission critical workforce.

### **The IMPRES Smart Energy System Optimizes Battery Charging and Enhances Radio Reliability**

Motorola's exclusive IMPRES technology provides a communication interface between radios, batteries and chargers, which automates battery maintenance and enhances the capabilities of two-way radio systems. Batteries that are charged and maintained at their optimal levels benefit from longer life, ensuring the reliability of the radio and the safety of the mission critical worker and community.

#### ***Conventional Battery Maintenance***

Optimizing battery performance requires an intelligent approach to battery maintenance. Inadequate maintenance and overcharging are two of the leading reasons for premature battery failure.

Most apparent in Nickel-Cadmium (NiCd) batteries, but also relevant to Nickel-Metal Hydride (NiMH) batteries, "memory effect" occurs when batteries are repeatedly charged without allowing the battery to fully discharge prior to subsequent charge cycles. Memory effect manifests itself as a condition wherein the battery loses its ability to accept a full charge. This results in shorter usage time and the need to recharge more frequently. To minimize this problem, NiCd and NiMH batteries require periodic reconditioning for optimal performance.

Maintenance technicians who use conventional batteries, chargers, and reconditioners must guess at the correct reconditioning intervals, which vary due to usage patterns and may be unknown to the maintenance technician. Reconditioning too frequently wastes battery cycles, while reconditioning not often enough results in diminished battery performance and shorter lifespan—driving up equipment costs.

#### ***Leverage Motorola's Exclusive IMPRES Technology***

IMPRES batteries and charging systems provide the ability to communicate through a proprietary, one-wire protocol. Each IMPRES battery contains memory to store battery historical charge and recondition/recalibration data. IMPRES chargers contain a microcontroller that manages communication between the battery and charger. Placing an IMPRES battery into an IMPRES charger triggers the charger to write data into the battery's memory listing the charge event details.

### ***Adaptive Reconditioning Automates Battery Maintenance***

IMPRES charging, periodic automatic reconditioning and recalibration serve three purposes:

- Recalibrates batteries of all three chemistries: NiCd, NiMH, Lithium-Ion (Li-Ion)
- Helps to minimize the memory effect in NiCd and NiMH batteries
- Utilizes battery data to optimally charge Lithium-Ion batteries

Motorola's IMPRES chargers evaluate the actual usage pattern of each IMPRES battery. This allows the charger to adapt to that individual battery's usage pattern and establish the optimal reconditioning and recalibration interval for that battery. IMPRES uses an adaptive algorithm, which relies on several factors to evaluate the need for reconditioning/recalibration. The system then automatically reconditions/recalibrates the battery as required. The intelligence within the IMPRES system automates the process—removing guesswork from determining the optimal reconditioning/recalibration interval.

A myth exists that suggests that IMPRES provides no value to Li-Ion batteries used in two-way radios. Batteries using Li-Ion cells provide significant improvements over conventional NiCd or NiMH batteries, particularly in relation to capacity vs. weight and capacity vs. volume. Two-way radios commonly require two cells in series to achieve the necessary voltage and two or more cells in parallel to accommodate the discharge rates of the higher-powered two-way radios. This requires additional attention from the charger to optimize the charge process and maintain the accuracy of the IMPRES fuel gauge. To address these needs, the IMPRES battery provides the charger the necessary information to guarantee that the system automatically manages IMPRES Li-Ion batteries for optimal performance.

### ***Common Battery Charging Realities***

Critical applications demand optimal capacity to ensure that batteries meet application needs over time. Batteries require proper maintenance in order to deliver optimal service. However, each of the three primary cell technologies, NiCd, NiMH, and Li-ion, has slightly different charging requirements.

Heat is one of the key contributors to premature capacity loss, particularly in NiCd and NiMH, because they generate heat as a by-product of the charge process. The charge process generates heat either in the battery, in the charger, or both. Heat accelerates the drying of the cell electrolyte and the longer that the heat remains, the greater the effect on the battery. Minimizing unnecessary heat helps prevent this loss from occurring.

Matching the charge rate to the battery capacity helps minimize capacity loss. Conventional chargers have no way of knowing the battery capacity and, therefore, cannot distinguish between very high capacity batteries and lower capacity batteries. Conventional systems charge all batteries at the same rate (Rapid Charge), potentially leading to elevated temperatures and early capacity loss. Rapid Charging at lower rates can result in missed Rapid Charge termination, over-charge, and cell damage. After completion of Rapid Charge, conventional chargers generally trickle charge batteries as long as they remain in the charger in an attempt to prevent self-discharge or stand-loss. This frequently results in heat generation within the battery. Maintaining even low current (Trickle and/or Maintenance) after the battery is fully charged may result in overcharging the battery and prevent the battery from cooling.

As two-way radio manufacturers move toward greater use of Li-ion batteries to satisfy the needs of higher capacity and lower self-discharge, the IMPRES system stands ready to answer this vital need with smarter charging.

### ***Long-Term Safe Charging is the Best Approach to Battery Readiness***

Like conventional chargers, the IMPRES Smart Energy System uses both a rapid and a trickle/maintenance charge sequence. That is where the similarities end. IMPRES systems contain Motorola's most advanced charging algorithm, which brings many benefits associated with IMPRES, including long-term safe charging. The charger more appropriately matches the charge currents to each battery by using the charge parameter data directly from the battery. This translates to optimal charging and continuous battery monitoring once Rapid Charge completes.

Long-term safe charging allows a battery to remain in an IMPRES charger for extended periods without heat damage. Unlike conventional chargers, the IMPRES charger shuts off charge current after trickle charge, yet continues to periodically monitor the battery status. Rapid Charging restarts if the battery capacity drops below a level predetermined for each battery and stored in the battery memory.

Using this approach, the IMPRES system maintains a high state of charge without heating up and damaging the battery.



**WPLN4219A  
IMPRES Multi-Unit Charger**

### ***What does “Fully Charged” Really Mean?***

At time of manufacture, every battery contains a fixed amount of energy, all of which remains available for use when the battery is fully charged. Fully charging a battery generally means that the battery has completed both the Rapid Charge and Trickle charge phases of the charge process and now contains all of the energy that the battery is capable of producing.

As a battery cycles through repeated charge and discharge phases, the amount of available energy decreases. The battery remains fully charged, but will ultimately contain less energy over time. For example, a new battery when fully charged contains 100% of its initial available capacity, whereas an old battery when fully charged contains only 60% of the original capacity.

Most conventional chargers feature an indicator to display charge status. These displays vary among charger suppliers, but Motorola typically chooses red to indicate Rapid Charging and green to indicate charge complete, or fully charged. However, the user has no way of knowing battery capacity with a basic visual indicator by itself. The resulting battery capacity after charging for an old or defective battery may be far less than the capacity when the battery was new, but still indicates fully charged.

### ***IMPRES Makes it Easier to Understand what “Fully Charged” Really Means***

When lives are at stake, first responders must have more assurance than just a “still charging” or “charge completed” light. Meeting this challenge, the IMPRES Smart Energy System contains analysis capabilities typically found only in battery analyzers. With the IMPRES system, radio users can know exactly how much usage they can expect from each battery, eliminating the worry about being stuck on an 8-hour shift with a 4-hour battery.

IMPRES chargers report the following information for all chemistries in a two-line display:

- Battery serial number, kit number, and chemistry
- Battery charge capacity in milliamp hours (mAh)
- Battery charge capacity as a percentage of rated capacity
- Battery voltage
- Estimated battery capacity at end of charge in mAh
- Time remaining to complete rapid charge cycle (NiCd and NiMH only)
- Notification when a battery is approaching reconditioning

Because first responders need quick access to their equipment and may not have time to read battery status, IMPRES chargers contain an alternating red/green LED indicator warning users that batteries have fallen below a defined capacity threshold, typically 60% of rated capacity.

### ***Motorola Radios and IMPRES Batteries Can Communicate***

With this Motorola exclusive technology, IMPRES batteries can also communicate to MOTOTRBO™, XTS5000™, and XTS2500™ radios providing a migration path for future enhancements and reporting within Motorola two-way radios and accessories. The above radios contain a “fuel gauge” within the radio display that reports accurate IMPRES battery capacity information—giving workers the confidence and peace of mind they need to accomplish their mission.

### ***Battery Compatibility Enhances Migration***

IMPRES chargers are compatible with non-IMPRES batteries, making the migration to all IMPRES batteries much easier. However, adaptive reconditioning and all other IMPRES feature benefits only become a reality when using both IMPRES batteries and IMPRES chargers. In addition, IMPRES systems can charge a battery alone or while still attached to a radio.

### ***Extended Warranty Improves Cost-Effectiveness***

Because the adaptive, automatic reconditioning/recalibration technology works only with the combination of IMPRES batteries and IMPRES chargers, IMPRES batteries charged exclusively in IMPRES chargers carry extended capacity warranties that continue six months longer than Motorola standard battery warranties.

### Motorola Premium Batteries and IMPRES Batteries are Proven Tough for the Real World

Battery failure caused by adverse conditions may jeopardize a mission and its success. Shock, vibration, and electrostatic discharge (ESD) wreak havoc on electronic systems, including two-way radio batteries.

To ensure Motorola Premium batteries and IMPRES batteries can withstand the toughest work environments; Motorola designs, engineers, and manufactures Motorola Premium batteries and IMPRES batteries using some of the most stringent specifications and criteria in the industry. Motorola Premium batteries and IMPRES batteries must pass a rigorous Accelerated Life Testing (ALT) process that simulates an estimated five years of product use by subjecting the batteries to five weeks of grueling tests.

ALT testing includes, but is not limited to, exposure to repeated cycles of humidity, vibration, temperature cycle, temperature shock, electrostatic discharge, drop, and mechanical actuations.

### Proven Tough Test Results

To measure how well Motorola batteries stand up to the competition, Motorola hired an independent, outside testing service to select competitor batteries considered comparable to Motorola batteries. The testing service evaluated 30 samples of each battery type installed within Motorola's most popular two-way radios.

Motorola chose to conduct three tests representing real-world situations that occur most often during normal battery use<sup>1</sup>:

- Being dropped on a hard surface – Drop Test
  - ▶ **Results:** 88% of the Motorola batteries passed while the best competitor suffered a 67% failure rate.
- Being subjected to long periods of vibration – Vibration Test
  - ▶ **Results:** 100% of the Motorola batteries passed while one competitor suffered a failure rate as high as 43%.
- Being shocked by static electricity – Electrostatic Discharge (ESD) Test
  - ▶ **Results:** 100% of the Motorola batteries passed while the nearest competitor suffered a 43% failure rate.

The results of the Drop, Vibration, and ESD tests clearly demonstrate that Motorola batteries dramatically outperform competing batteries. In fact, the averages for all three tests reported a Motorola success rate of 96%, while the nearest competitor achieved only a 56% success rate.

### Intrinsically Safe Batteries Help Ensure Mission Safety

First responders and fire crews routinely operate in environments that contain flammable gasses, combustible dusts, and flammable fibers. In these conditions, workers must rely on equipment that will never cause sparks or electrical discharges. Motorola's IMPRES batteries labeled as Intrinsically Safe prevent potential sparking, which could ignite flammable gasses or combustible materials. Only Motorola batteries are tested and certified with Motorola radios as a complete system—giving users complete confidence and piece of mind that the system will perform as promised.

### IMPRES Meets the Public Safety Challenge

Motorola's IMPRES Smart Energy System delivers the reliability and optimal performance that today's mission critical workforce requires. Through the power of innovation and a smart communication interface, the IMPRES Smart Energy System meets the challenge of automating battery maintenance while diminishing charge memory effects and optimizing the battery life cycle. Intelligent battery management with IMPRES allows workers in the field to maintain dependable two-way communication throughout their shift—along with the peace of mind that their device will operate reliably even in tough environments.



WPLN4232A  
IMPRES Single Unit  
Charger

<sup>1</sup> Motorola, *How Tough Are Your Batteries?*, 2006



Motorola, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A. [www.motorola.com/governmentandenterprise](http://www.motorola.com/governmentandenterprise) 1-800-367-2346

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RO-X-XXX1



## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

**MEETING DATE:** April 12, 2022

**ITEM:** Local Governing Body Resolution for Charitable Gaming License **Resolution #2022-04-12-19**

**PRESENTERS:** Clerk Jerry Vorva

**BACKGROUND:**

It is standard practice for this Board to hear and approve requests for Charitable Gaming License for Non – Profit Corporations.

The Friends of Hines Park RC is a Non-Profit Corporation duly organized and existing under the laws of the State of Michigan.

They are planning on having a raffle and special RC race day event on June 25, 2022 to raise proceeds to help revitalize Hines Park RC tracks. The event will take place at Gunsolly Mills Park.

**ACTION REQUESTED:**

Approve the accompanying resolution

**PROPOSED MOTION:** I move to approve the attached Local Governing Body Resolution # 2022-04-12-19 recommending Local Governing Body Approval for a Charitable Gaming License for Friends of Hines Park RC.

Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_

**ROLL CALL:**

\_\_\_Curmi, \_\_\_Stewart, \_\_\_Doroshewitz, \_\_\_Heise, \_\_\_Monaghan, \_\_\_Vorva, \_\_\_Clinton



Charitable Gaming Division  
Box 30023, Lansing, MI 48909  
OVERNIGHT DELIVERY:  
101 E. Hillsdale, Lansing MI 48933  
(517) 335-5780  
www.michigan.gov/cg

Resolution # 2022-04-12-19

**LOCAL GOVERNING BODY RESOLUTION FOR CHARITABLE GAMING LICENSES**  
(Required by MCL 432.103(K)(ii))

At a REGULAR meeting of the PLYMOUTH TOWNSHIP  
REGULAR OR SPECIAL TOWNSHIP, CITY, OR VILLAGE COUNCIL/BOARD

called to order by SUPERVISOR HETSE on April 12, 2022  
DATE

at 7:00 a.m./p.m. the following resolution was offered:  
TIME

Moved by \_\_\_\_\_ and supported by \_\_\_\_\_

that the request from FRIENDS OF HINES PARK RC of PLYMOUTH  
NAME OF ORGANIZATION CITY

county of WAYNE, asking that they be recognized as a  
COUNTY NAME

nonprofit organization operating in the community for the purpose of obtaining charitable

gaming licenses, be considered for APPROVAL  
APPROVAL/DISAPPROVAL

**APPROVAL**

Yeas: \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

**DISAPPROVAL**

Yeas: \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

I hereby certify that the foregoing is a true and complete copy of a resolution offered and

adopted by the \_\_\_\_\_ at a \_\_\_\_\_  
TOWNSHIP, CITY, OR VILLAGE COUNCIL/BOARD REGULAR OR SPECIAL

meeting held on \_\_\_\_\_  
DATE

SIGNED: \_\_\_\_\_  
TOWNSHIP, CITY, OR VILLAGE CLERK

PRINTED NAME AND TITLE

ADDRESS

COMPLETION: Required.  
PENALTY: Possible denial of application.

BSL-CG-1153(R6/09)

## CORPORATE RESOLUTION

### WHERE AS

I, Dan Ervans, the undersigned Secretary of Friends of Hines Park RC (The "Corporation") hereby certifies that: The Corporation is duly organized and existing under the laws of the State of Michigan and the following is true, accurate and complete transcript of a resolution contained in the minute book of the Board of Directors of said Corporation duly held on the 26th day of January, 2022 at which meeting there was present and acting throughout a quorum authorized to transact business hereinafter described, and that the proceedings of said meeting were in accordance with the charter and by-laws of said Corporation and that said resolutions have not been amended or revoked and are in full force and effect:

### RESOLVED

Be it resolved, that Friends of Hines Park RC Inc, has voted on authorizing a having a raffle and special RC race day event on June 25, 2022 to raise proceeds to help revitalize Hines Park RC tracks. Event will take place at Gunsoly Mills Park located in Wayne County parks on Hines Park Dr, Plymouth MI.

Witness my hand and seal of the Corporation this 15 day of March, 2022.

Attest:

Secretary:

Dan Ervans



Approved:

[Signature]  
President of the Board

## CORPORATE RESOLUTION

WHERE AS, the Corporation is determined to grant signing and authority to certain person(s) described here under.

RESOLVED, that the Board of Directors is hereby authorized Branden Trahey and approved Branden Trahey to authorize and empower the following Individual to make, execute, endorse and deliver in the name of and on behalf of the corporation, but shall not be limited to, any and all written Instruments, agreements, documents, execution of deeds, powers of attorney, transfers, assignments, contracts, obligations, certificates and other instruments of whatever nature entered into by this Corporation on this 9th day of March, 2022.

Name: Branden Trahey

Position/Title: President

Telephone Number: 734-658-1312

Email Address: ko.marketing@alleghe-osheen.com

Signature: [Signature]

The undersigned certifies that he/she is the properly elected and qualified Secretary of the books, records and seal of Friends of Hines Park RC Inc., a corporation duly conformed pursuant to the laws of the state of Michigan, and that said meeting was held in accordance with state law and with the Bylaws of the above-named corporation.

This resolution has been approved by the Board of Directors of Friends of Hines Park RC Inc. on 9<sup>th</sup> of March, 2022.

Witness my hand and seal of the Corporation this 15 day of March, 2022.

Attest:

Secretary: [Signature]





## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

**MEETING DATE: April 12, 2022**

**ITEM:** Hillside Ridge Road Holding West LLC, dedication of 12" water main and 8" water main for stubs along Ridge Road **Resolution #2022-04-12-20**

**PRESENTER: Jeremy Schrot, PE, Township Engineer**

**BACKGROUND:**

The Board is required to approve and accept all public water mains within the Charter Township of Plymouth.

Once approved by the Board, the documents are signed by the Township Clerk, the Township Attorney and the Township Engineer before recording them with Wayne County. Once recorded, the original dedication remains on file in the Clerk's office.

**ACTION REQUESTED:**

Approve the public water main.

**PROPOSED MOTION:** I move to adopt **Resolution #2022-04-12-20** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the water main dedication for Hillside Ridge Road Holding West LLC and to authorize the recording of same.

**STATE OF MICHIGAN  
COUNTY OF WAYNE  
CHARTER TOWNSHIP OF PLYMOUTH**

**RESOLUTION TO AUTHORIZE THE ACCEPTANCE of the PUBLIC WATER MAIN  
FOR HILLSIDE RIDGE ROAD HOLDINGS WEST LLC,  
RIDGE ROAD PUBLIC WATER MAIN**

**RESOLUTION #2022-04-12-20**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on April 12, 2022, the following resolution was offered:

**WHEREAS**, Hillside Ridge Road Holding West, LLC, located at 29409 Haggerty RD, Suite 200, Novi, Michigan installed 2,817' linear feet of 12" water main on the East side of Ridge Road with 216' linear feet of 8" water main constructed for stubs to the West side of Ridge Road necessary for the development of their property, and,

**WHEREAS**, said water main is a public water main and the Charter Township of Plymouth hereby accepts the dedication of the water main as a public utility to be owned, operated and maintained by Plymouth Township;

**NOW, THEREFORE, BE IT RESOLVED** that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2022-04-12-20** authorizing the water main located on the East side of Ridge Road from 5 Mile Road South for 2,817' linear feet on the West side of Ridge Road with 216' linear feet constructed for stubs to the West side of Ridge Road , commonly known as: Ridge Road Water Main, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_

**ROLL CALL:**

\_\_\_Clinton, \_\_\_Curmi, \_\_\_Doroshewitz, \_\_\_Heise, \_\_\_Monaghan, \_\_\_Stewart, \_\_\_Vorva

### DEDICATION AND ACCEPTANCE OF WATER MAIN

**Hillside Ridge Road Holdings West, LLC**, a Michigan limited liability company, with an address of 29409 Haggerty Road, Suite 200, Novi, MI 48377 ("Grantor"), in consideration of the sum of One Dollar (\$1.00), receipt of which is hereby acknowledged and determined to be fair and just compensation by Grantor, does hereby dedicate, grant and convey to **Plymouth Charter Township**, a Michigan Charter Township formed pursuant to Act 359 of 1947, with an address of 9955 North Haggerty Road, Plymouth, Michigan 48170 ("Grantee"), the now-existing water main and connections thereto (the "Water Main") depicted and described in attached Exhibit A ("Water Main Plan"). The Grantee hereby accepts the dedication of the Water Main as a public utility to be owned, operated and maintained by Grantee, pursuant to that certain Water Main Agreement entered into between Grantor and Grantee dated October 3, 2019.

This dedication of the Water Main shall be binding upon the heirs, successors and assigns of Grantor and Grantee, respectively. It is understood and agreed that any and all of the now existing or hereinafter installed improvements or appurtenances of the Water Main shall become and remain at all times the property of the Grantee, its successors and assigns, and subject to the Grantee's fees, rules, regulations and ordinances.

*(Signatures on following pages.)*

IN WITNESS WHEREOF, GRANTOR has executed this instrument on March 21, 2022.

**GRANTOR:**


Hillside Ridge Road Holdings West, LLC

By: Hillside Development Fund I LLC  
Its: Member

  
By: Jaimey Roth  
Its: Manager

STATE OF MICHIGAN     )  
COUNTY OF OAKLAND    )ss.

The foregoing instrument was acknowledged before me this 21 day of March, 2022, by Jaimey Roth, manager of Hillside Development Fund I LLC, on behalf of Hillside Ridge Road Holdings West, LLC.

  
Notary Public, Oakland County, Michigan  
My commission expires: 6-23-2022  
Acting in Oakland County, Michigan

**CYNTHIA D. ROSENTHAL**  
Notary Public, State of Michigan  
County of Oakland  
My Commission Expires 06-23-2022  
Acting in the County of Oakland

**GRANTEE:**

Charter Township of Plymouth

\_\_\_\_\_  
By: Kurt L. Heise  
Its: Supervisor

STATE OF MICHIGAN     )  
COUNTY OF WAYNE     )ss.

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2022, by  
Kurt L. Heise, Supervisor of the Charter Township of Plymouth.

\_\_\_\_\_  
Notary Public, \_\_\_\_\_ County, Michigan  
My commission expires: \_\_\_\_\_  
Acting in Wayne County, Michigan

This instrument drafted by, and after recording return to:

Kelly A. Myers, Esq.  
Myers & Myers, PLLC  
915 N. Michigan Avenue  
Howell, MI 48843

Exempt from the taxation under MCL 207.505(a) and MCL 207.526(a).

This instrument approved as to form and substance by the Attorney for the Plymouth Charter Township, on \_\_\_\_\_, 2022.

\_\_\_\_\_  
Kevin Bennett, Township Attorney

The Water Main description is approved as to form only by Engineer for the Plymouth Charter Township on \_\_\_\_\_, 2022.

\_\_\_\_\_  
Jeremy Schrot, P.E., Township Engineer

This instrument accepted by the Board of Trustees of the Plymouth Charter Township at its meeting of \_\_\_\_\_, 2022, and directed to be recorded.

\_\_\_\_\_  
Jerry Vorva, Plymouth Charter Township Clerk

*EXHIBIT A*

Water Main Description

**PROJECT SPONSOR:**  
BLEDISLE INVESTMENTS  
2001 1/2 MILLERD, SUITE 200  
COSTA MESA, CA 92626  
949.440.4321  
DANIEL BLANDER

**CIVIL ENGINEER:**  
ZBENET WOODARD & ASSOCIATES  
5500 GRAND AVENUE, SUITE 100  
JACK HILL, CA 92604-6860  
TEL: 949.481.0000  
FAX: 949.481.0000  
JW@ZWENET.COM

— **on motion** —

**THE DISSENTING VOICE**

—202504 22/07/2024 "TV7"

...to be a part of the...

**776-9765 (WEL) JACOB**

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重慶市黨校

100

FILLIST LOCATION

SERVICE AREA FOR  
WATERMAIN BASIN  
OF UPPER  
WATERSHED

LOCATION AND  
MAP SCALE

[illegible][illegible]

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**COVER SHEET**

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4057-47-3002	WAS 11710	ROZIN	FR-5
4057-47-3003	WAS 11711	ROZIN	FR-5
4057-47-3004	WAS 11712	ROZIN	FR-5
4057-47-3005	WAS 11713	ROZIN	FR-5
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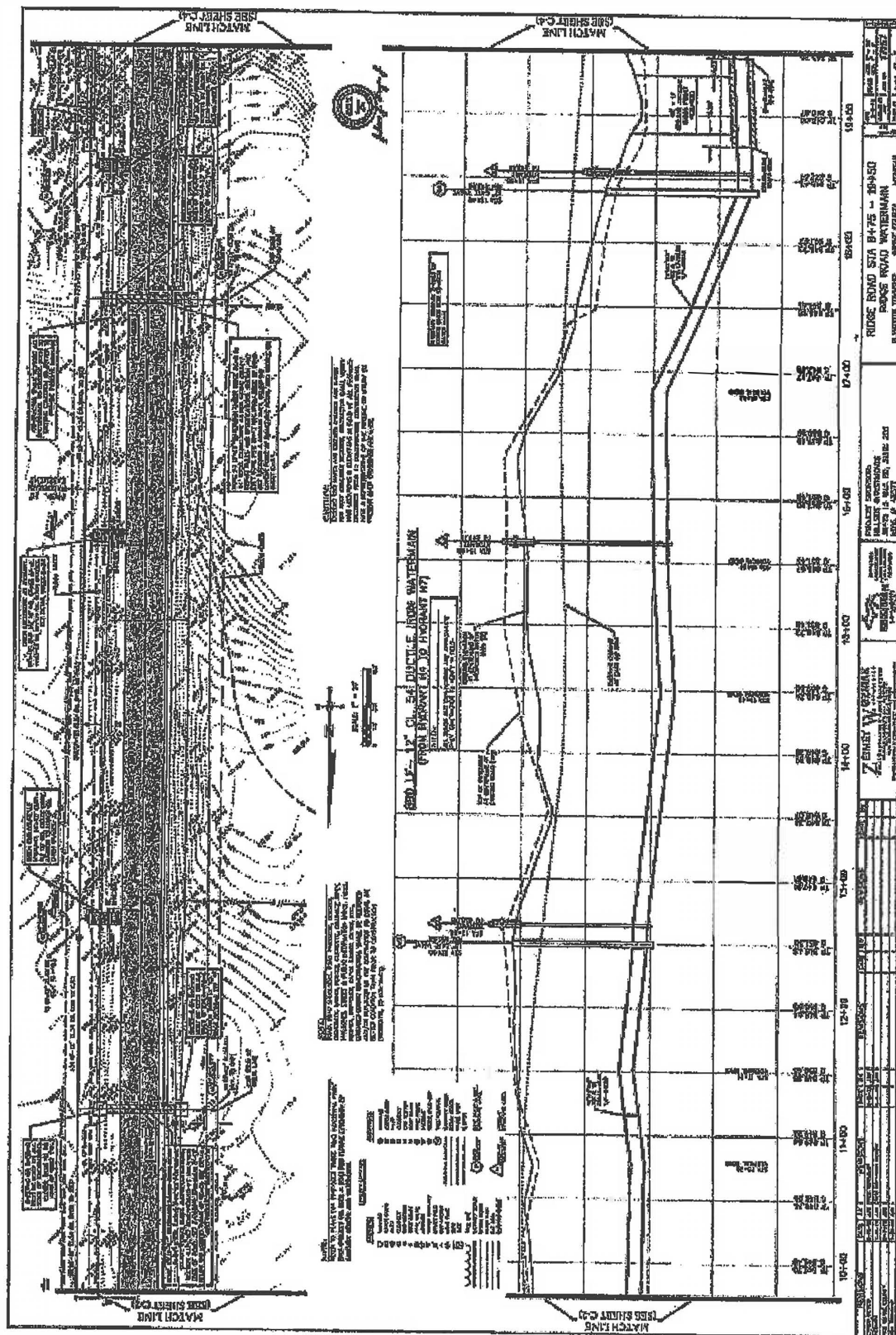
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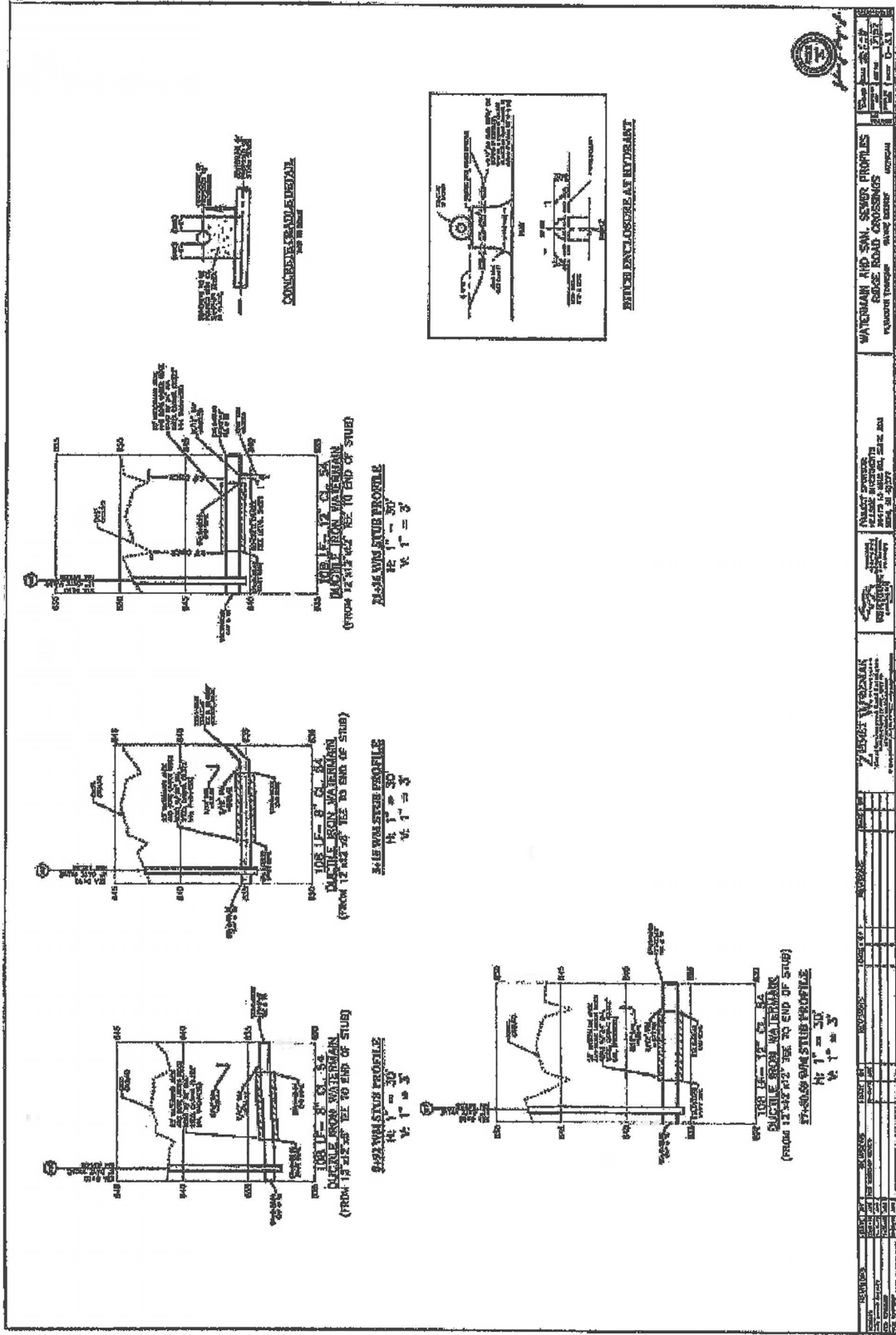
MUSKOGEE COUNTY GEORGIA

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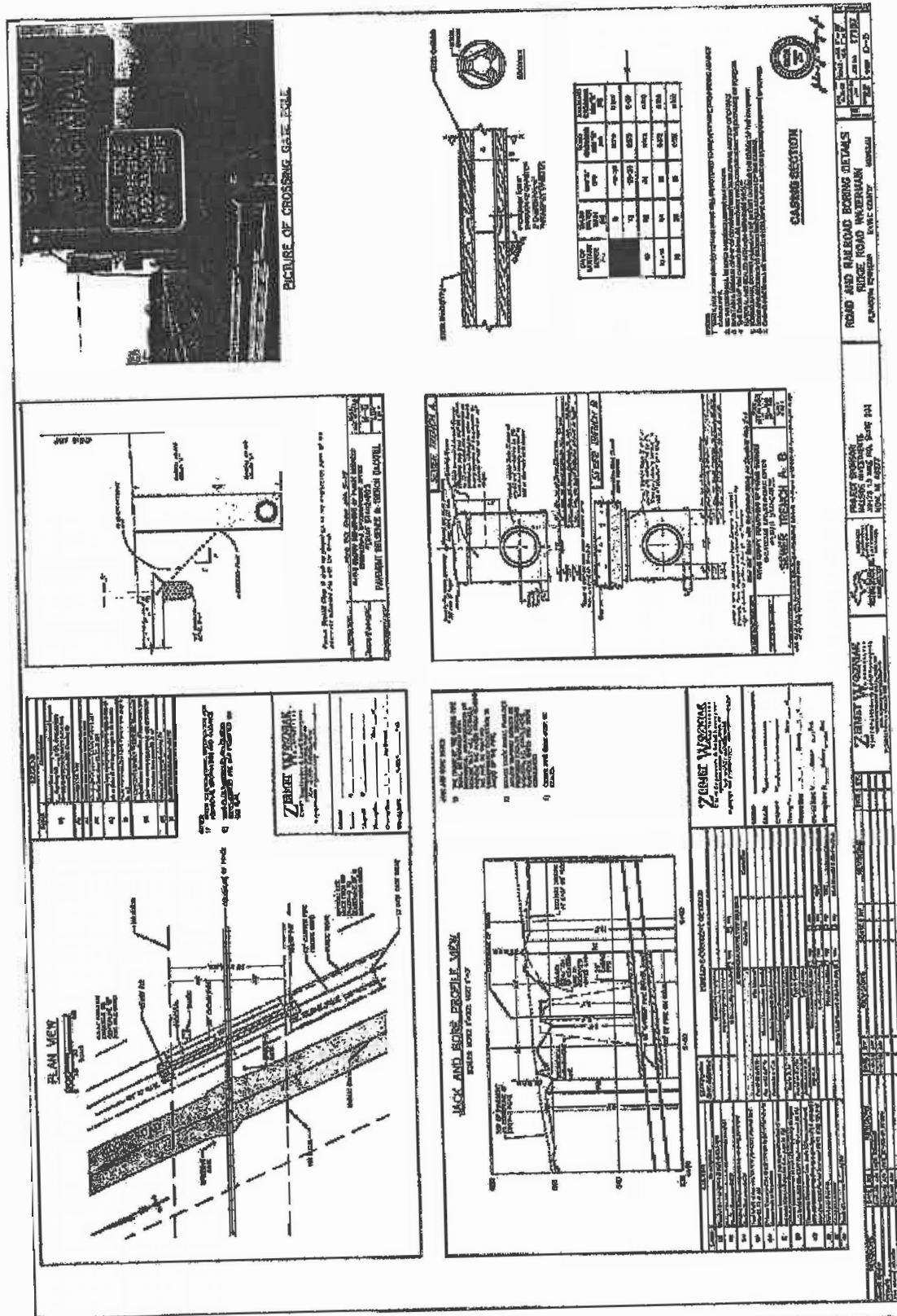




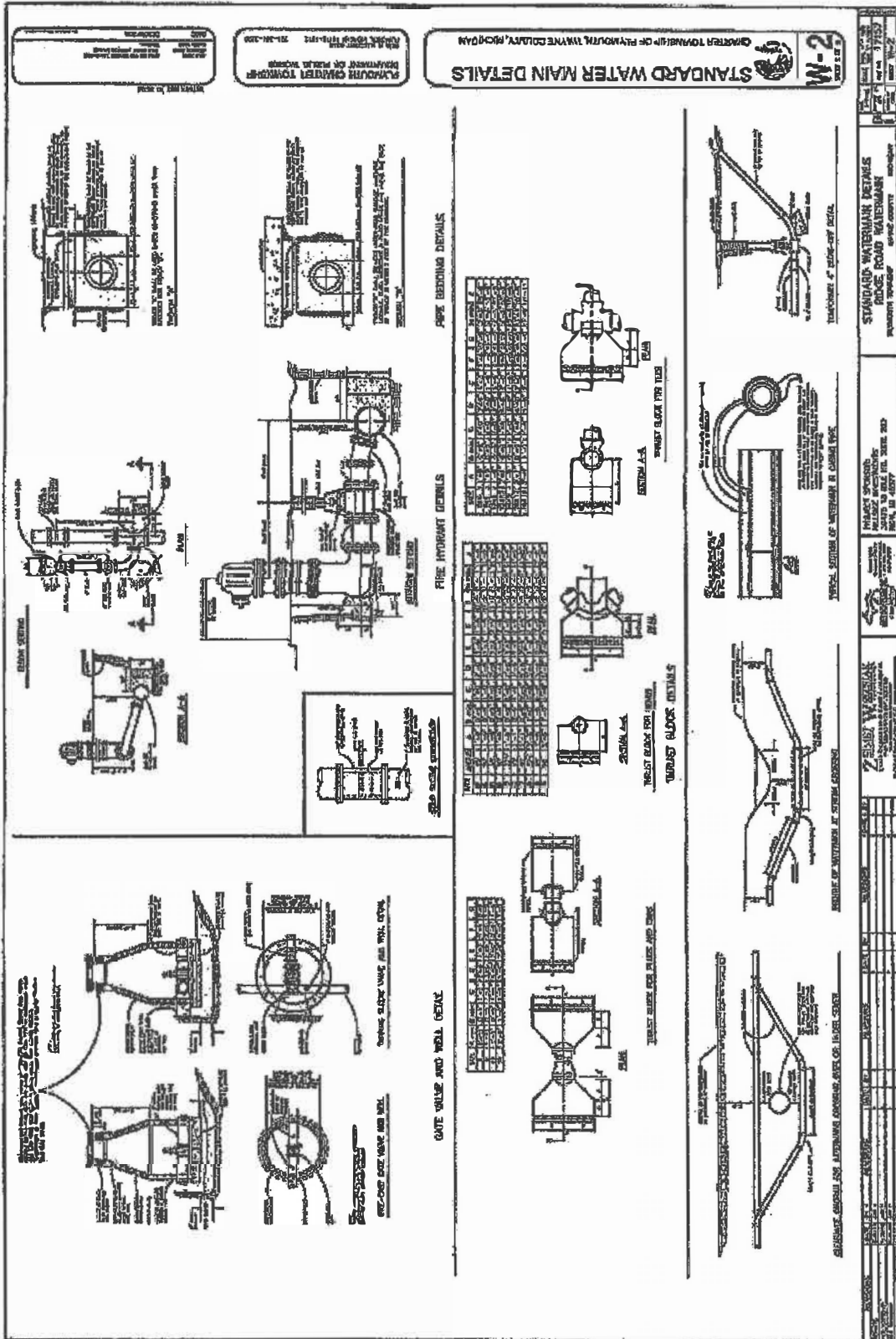


DATE	10-1-27	BY	W. J. W.	CHECKED	W. J. W.	SCALE	AS SHOWN
PROJECT	WATERMAN AND SIPHON PROFILES						
LOCATION	SAGE ROAD CROSSINGS						
DESIGNED BY	W. J. W.						
CHECKED BY	W. J. W.						
APPROVED BY	W. J. W.						
REVISIONS							
NO.	1	DATE	10-1-27	BY	W. J. W.	DESCRIPTION	WATERMAN AND SIPHON PROFILES











**CHARTER TOWNSHIP OF PLYMOUTH**  
**DEPARTMENT OF BUILDING & CODE ENFORCEMENT**



**MONTHLY REPORT**

**March**  
**2022**

## New Commerical Building for 2022

Company Name	Property Address	Type of Work	Construction Value	Status	Month
LOT 20, BT Plymouth LLC.	44329 Plymouth Oaks Blvd.	New Building	900,000	Issued	Mar

Total Construction Value

## New Commercial Additions/Alterations for 2022

Company Name	Property Address	Type of Work	Construction Value	Status	Month
St. Johns Inn Monastery	44045 Five Mile Rd.	Interior Demo @ (2) Y Building	400,000	Issued	Jan
Materialise NV	44650 Helm Ct.	Interior Remodel	1,900,000	Issued	Jan
AT&T	40875 Ann Arbor Rd.	Tenant Finish	90,000	Issued	Jan
Burroughs Q-hut #10	41100 Plymouth Rd.	Construct Office	60,000	Issued	Jan
P&L Foods	9030 General Dr.	Construct Addition	300,000	Issued	Jan
Webasto	14200 Haggerty	Construct (2) Interior Offices	50,000	Issued	Feb
Frito Lay	45326 Polaris Ct.	Construct Addition	8,000,000	Issued	Feb
Burger King	44475 Five Mile	Fire Damage Repair	15,000	Issued	Feb
Streamline Logistics	41100 Plymouth Rd. B1 102	Tenant Finish	107,888	Issued	Mar
Rivian	13250 Haggerty Rd.	Interior Remodel (2) lab areas	1,700,000	Issued	Mar
ADVICS	45300 Polaris Ct.	Interior Remodel	136,220	Issued	Mar
Freudenberg	47774 Anchor Ct. W.	Interior Remodel	55,000	Issued	Mar
Sunny J's	521 Ann Arbor Rd.	Tenant Finish	78,000	Issued	Mar
Bank of America	40909 Ann Arbor Rd.	Dumpster Enclosure	15,000	Issued	Mar
Starbucks	15005 Beck Rd.	Tenant Finish	350,000	Issued	Mar

Total Construction Value

13,256,088

Grand Total Construction Value

13,256,088

\* Operating on COVID-19 orders

## Building Department 2022

<u>Classification</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>2022 Totals</u>
<b>Total Building Permits</b>	<b>74</b>	<b>65</b>	<b>118</b>										<b>257</b>
<b><u>Trade Permits</u></b>													
Electrical	30	31	28										90
Mechanical	56	48	61										165
Plumbing	11	28	24										63
Sewer & Water	6	17	6										31
<b>Total Trade Permits</b>	<b>179</b>	<b>189</b>	<b>238</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>606</b>
<b><u>Miscellaneous</u></b>													
Special Inspections	0	0	0										0
Temp Certificate of Occupancy	6	2	5										13
Re-Occupancy	2	0	1										3
Plan Review	10	17	25										52
ZBA	0	0	0										0
Re-inspection fees	3	5	8										16
Vacant Land Re-alignment	0	0	0										0
<b>Total Miscellaneous</b>	<b>21</b>	<b>24</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84</b>
<b><u>Application Fee's</u></b>													
Building	60	55	105										220
Electrical	34	32	32										98
Mechanical	55	49	61										166
Plumbing	15	28	29										72
<b>Total Misc/License/Application</b>	<b>186</b>	<b>188</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>638</b>
<b>Grand Total</b>	<b>364</b>	<b>377</b>	<b>504</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1245</b>
<b><u>Staffing Levels</u></b>													
Chief Building Official	1	1	1	0	0	0	0	0	0	0	0	0	
Full Time Building Inspector	1	1	1	0	0	0	0	0	0	0	0	0	
Full Time Building Coordinator	1	1	1	0	0	0	0	0	0	0	0	0	
Full Time Building Administrator	1	1	1	0	0	0	0	0	0	0	0	0	
Part-time Time Ordinance Officer	1	1	1	0	0	0	0	0	0	0	0	0	

## Residential Housing 2022

	<u>Single Family Detached</u>				<u>Single Family Attached (Townhouses/ Row Houses)</u>			
	<u>Total #</u> <u>Buildings</u>	<u>Total #</u> <u>Dwelling</u>	<u>Total</u> <u>Value</u> <u>Construction</u>	<u>Total</u> <u>Square</u> <u>Feet</u>	<u>Total #</u> <u>Buildings</u>	<u>Total #</u> <u>Dwelling</u>	<u>Total</u> <u>Value</u> <u>Construction</u>	<u>Total</u> <u>Square</u> <u>Feet</u>
January	0	0	-	-	0			
February	10	0	3,068,535	16,041	0			
March	5	0	1,580,565	12,412	0			
April					0			
May					0			
June					0			
July					0			
August					0			
September					0			
October					0			
November					0			
December					0			
Totals	15	0	\$ 4,649,100	28,453	0	0	\$ -	-

	<u>Two-Family Buildings (Duplex)</u>				<u>Three or more Family Building (Apartments/Stacked Condos)</u>			
	<u>Total #</u> <u>Buildings</u>	<u>Total #</u> <u>Dwelling</u>	<u>Total</u> <u>Value</u> <u>Construction</u>	<u>Total</u> <u>Square</u> <u>Feet</u>	<u>Total #</u> <u>Buildings</u>	<u>Total #</u> <u>Dwelling</u>	<u>Total</u> <u>Value</u> <u>Construction</u>	<u>Total</u> <u>Square</u> <u>Feet</u>
January	0				0			
February	0				0			
March	0				0			
April	0				0			
May	0				0			
June	0				0			
July	0				0			
August	0				0			
September	0				0			
October	0				0			
November	0				0			
December	0				0			
Totals	0	0	\$ -	-	0	0	\$ -	-

	<u>Total #</u> <u>Buildings</u>	<u>Total #</u> <u>Dwelling</u>	<u>Value</u> <u>Construction</u>	<u>Square</u> <u>Feet</u>
Totals all categories	16	0	\$ 4,649,100	28,453



# Revenue Breakdown Report

Page: 1 of 34

04/01/2022

Filter: All Records, Transaction.DateToPostOn in <Previous month> [03/01/22 - 03/31/22] AND  
Transaction.TransactionNumber Not = 67,079 AND  
Transaction.TransactionNumber Not = 67,078

Unit Totals		
Unit Name	Records	Revenue
	238	210,026.58
<b>TOTAL</b>	<b>238</b>	<b>210,026.58</b>

Record Type Totals		
Unit	Records	Revenue
Permit	238	210,026.58
<b>UNIT TOTAL:</b>	<b>238</b>	<b>210,026.58</b>

Record Type Breakdowns		
Unit	Records	Revenue
Record Type: Permit		
Building	118	109,387.00
Electrical	29	11,628.00
Mechanical	61	12,005.00
Plumbing	24	3,635.00
Sewer & Water	6	73,371.58
<b>TOTAL:</b>	<b>238</b>	<b>210,026.58</b>

136,655.00

Record Categories By Type		
Unit		
Permit	Type: Building	
Basement Finish	2	860.00
Covered patio/deck roof	1	415.00
Deck	3	1,830.00
Fence	4	820.00
Garage	1	2,690.00
Ind/Comm-alt/add	8	36,535.00
Ind/Comm-new	1	18,098.00
Pool	5	5,640.00
Re-Occupancy	1	140.00
Residential-alt/add	8	4,545.00
Residential-new	9	22,754.00
Roof	31	6,070.00
Sign - Flagpole	4	450.00
Sunroom	2	1,670.00
Windows/Siding	38	6,870.00
<b>TOTAL:</b>	<b>118</b>	<b>109,387.00</b>

Permit	Type: Electrical	
Electrical	27	9,655.00
Fire Alarm	2	1,973.00
<b>TOTAL:</b>	<b>29</b>	<b>11,628.00</b>

Permit	Type: Mechanical	
Fire Suppression	6	4,641.00
Gas Piping	14	1,892.00
Heating	40	4,915.00
Hood Suppression	1	557.00
<b>TOTAL:</b>	<b>61</b>	<b>12,005.00</b>

## Certificate of Occupancy List

04/04/2022

1/1

CofO Number	Status	Issued To	Address	CofO and Permit Dates	
<b>OF22-0011</b>	ISSUED (FINAL)	ADIEN T US LLC	49200 HALYARD DR (CTU	<u>CO Date Apply:</u> 03/29/2022	<u>CO Date Finalcd:</u> 03/29/2022
<b>Permit Number</b> PB21-0406	<b>Applicant Name</b> Ronnisch Construction Group		<b>Contractor</b> Ronnisch Construction Grou	<u>Permit Date Apply:</u> 05/07/2021	<u>Permit Date Issued:</u> 6/01/2021

All Records

Co.DateFinalcd in <Previous month> [03/01/22 - 03/31/22]

Number of CofO's:

1



# Plymouth Township Fire Department

## Monthly Report

March 2022

### Response Information:

The Plymouth Township Fire Department responded to 288 emergencies this month.

There was an average of 9.29 runs per day this month.

PTFD's average response time was 5 min 19 sec to the scene. This includes all responses including non-emergent.

### Mutual Aid:

Plymouth Township Fire Department is a member of the Western Wayne County Mutual Aid Association.

	Mutual Aid Received	Mutual Aid Given
Canton Township	2	7
Livonia	0	1
Northville City	4	4
Northville Township	4	7
Westland	0	1
Salem Township	1	0

### Fire Loss:

There were 6 fires this month that accounted for 351,600.00 worth of damage to possessions and property. We prevented the destruction of 8,906,000.00 in property.

### EMS Information:

HVA transported 89 patients to the hospital.

Plymouth Township Fire transported 51 patients to the hospital.

Plymouth transports billed out 36,069.21 this month, received 25,486.92 and have 7,516.45 in outstanding bills over 180 days.

### Fire Prevention:

Plymouth Township Fire Department provided 51 comprehensive fire inspections to businesses within Plymouth Township. This month, the department conducted 1 CPR class and 2 Special Events with a total of 64 participants.

to January with a 12 month year-end report of previous year.

Reports Included:

CLEMIS Reports

*Incidents Section*

- Incident Summary by Incident type
  - Incident Type
  - Type count
  - Property Loss
  - Property Value
- Mutual Aid by Department
  - Mutual aid Received
  - Mutual Aid Given

*Local Section*

- Fire Department Response Times
  - Turnout Time
  - Response Time

Health EMS

*Agency Productivity*

- Agency Activity Summary
  - Patients Transported by HVA
  - Patients Transported by PTFD

Billing Summary

Inspection Report

Total count for Public Education – Review Fire Modules Calendar

Training Modules Training Days

# Incident Type Count

For Dates 3/1/22 - 3/31/22



Incident Type and Description	Count	% Type / % Total
111 - Building fire	2	33.33 %
113 - Cooking fire, confined to container	1	16.67 %
130 - Mobile property (vehicle) fire, other	1	16.67 %
143 - Grass fire	2	33.33 %
<b>Total - Fires</b>	<b>6</b>	<b>2.08 %</b>
321 - EMS call, excluding vehicle accident with injury	184	91.09 %
322 - Vehicle accident with injuries	11	5.45 %
323 - Motor vehicle/pedestrian accident (MV Ped)	1	0.50 %
324 - Motor vehicle accident with no injuries	6	2.97 %
<b>Total - Rescue &amp; Emergency Medical Service Incidents</b>	<b>202</b>	<b>70.14 %</b>
412 - Gas leak (natural gas or L.P.G)	2	28.57 %
424 - Carbon monoxide incident	4	57.14 %
444 - Power line down	1	14.29 %
<b>Total - Hazardous Conditions (No fire)</b>	<b>7</b>	<b>2.43 %</b>
500 - Service Call, other	6	16.22 %
512 - Ring or jewelry removal	2	5.41 %
542 - Animal rescue	1	2.70 %
550 - Public service assistance, other	1	2.70 %
551 - Assist police or other governmental agency	1	2.70 %
552 - Police matter	1	2.70 %
553 - Public service	1	2.70 %
554 - Assist invalid	24	64.86 %
<b>Total - Service Call</b>	<b>37</b>	<b>12.85 %</b>
611 - Dispatched & cancelled en route	13	61.90 %
6111 - Hospice Death	2	9.52 %
622 - No incident found on arrival at dispatch address	3	14.29 %
651 - Smoke scare, odor of smoke	3	14.29 %
<b>Total - Good Intent Call</b>	<b>21</b>	<b>7.29 %</b>
700 - False alarm or false call, other	10	66.67 %
711 - Municipal alarm system, malicious false alarm	1	6.67 %
721 - Bomb scare - no bomb	1	6.67 %
735 - Alarm system sounded due to malfunction	1	6.67 %
741 - Sprinkler activation, no fire - unintentional	1	6.67 %
743 - Smoke detector activation, no fire - unintentional	1	6.67 %
<b>Total - False Alarm &amp; False Call</b>	<b>15</b>	<b>5.21 %</b>
	<b>288</b>	

## Municipal Response Times Report

For Dates Beginning 3/1/22 Ending 3/31/22  
Incident Types selected for analysis: All  
For All Priority Types



Time in Minutes	Alarm to Dispatch	Percent Total	Cumulative Responses	Percent	Dispatch to Enroute	Percent Total	Cumulative Responses	Percent	Enroute to Arrival	Percent Total	Cumulative Responses	Percent	Alarm to Arrival	Percent Total	Cumulative Responses	Percent	Dispatch to Arrival	Percent Total	Cumulative Responses	Percent
0-1	140	53.23	140	53.23	96	38.25	96	38.25	17	6.97	17	6.97	4	1.57	4	1.57	7	2.75	7	2.75
1-2	88	33.46	228	86.69	113	45.02	209	83.27	26	10.66	43	17.62	4	1.57	8	3.14	8	3.14	15	5.88
2-3	28	10.65	256	97.34	31	12.35	240	95.62	57	23.36	100	40.98	7	2.75	15	5.88	20	7.84	35	13.73
3-4	5	1.90	261	99.24	7	2.79	247	98.41	38	15.57	138	56.56	25	9.80	40	15.69	52	20.39	87	34.12
4-5	1	0.38	262	99.62	1	0.40	248	98.80	29	11.89	167	68.44	38	14.90	78	30.59	48	18.82	135	52.94
5-6	0	0.00	262	99.62	1	0.40	249	99.20	36	14.75	203	83.20	52	20.39	130	50.98	38	14.90	173	67.84
6-7	0	0.00	262	99.62	1	0.40	250	99.60	12	4.92	215	88.11	39	15.29	169	66.27	30	11.76	203	79.61
7-8	0	0.00	262	99.62	1	0.40	251	100.00	12	4.92	227	93.03	29	11.37	198	77.65	17	6.67	220	86.27
8-9	1	0.38	263	100.00	0	0.00	251	100.00	6	2.46	233	95.49	19	7.45	217	85.10	11	4.31	231	90.59
9-10	0	0.00	263	100.00	0	0.00	251	100.00	4	1.64	237	97.13	13	5.10	230	90.20	11	4.31	242	94.90
10+	0	0.00	263	100.00	0	0.00	251	100.00	7	2.87	244	100.00	25	9.80	255	100.00	13	5.10	255	100.00

Incident Total\*:

263

### Average Times per Incident

Average PSAP Processing Time: 1 minute(s) 5 second(s)  
(Alarm to Dispatch) Percent less than or equal to 60 Seconds: 53.23%  
Percent less than or equal to 90 Seconds: 76.81

Average Fire Department Turn Out Time: 1 minute(s) 20 second(s)  
(Dispatch to Enroute)

Average Fire Department Turn Out and Travel Time: 5 minute(s) 19 second(s)  
(Dispatch to Arrive)

Average Municipal Response Time: 4 minute(s) 24 second(s)  
(Alarm to Arrive)

### Percentile Response Times in Accordance with NFPA Standards

PSAP Processing Time less than 60 seconds: 53.23%  
(Alarm to Dispatch)

Fire Department Turn Out Time less than 60 seconds: 38.25%  
(Dispatch to Enroute)

Fire Department Travel Time less than 4 minutes: 56.56%  
(Enroute to Arrive)

The Incident Total reflects incidents that have an Alarm Time and a Dispatch Time.  
It does not include incidents where no apparatus have been assigned.

# Listing of Mutual Aid Responses by Mutual Aid Department



Time Period: 3/1/22 - 3/31/22

## Department: Canton Twp FD

### Mutual aid received

220000689	3/22/22 12:01:24PM	1	08204	9173 GENERAL CT
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<i>Subtotal Mutual aid received</i>			<b>1</b>	
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### Automatic aid received

220000653	3/18/22 5:35:04PM	2	08204	48057 COLONY FARM CIR
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<i>Subtotal Automatic aid received</i>			<b>1</b>	
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### Mutual aid given

220000506	3/3/22 11:03:34AM	3	08204	6100 N HAGGERTY
220000586	3/12/22 2:41:03PM	3	08204	CHERRY HILL
220000671	3/20/22 3:29:36PM	3	08204	8121 N LILLEY
220000679	3/21/22 4:24:34PM	3	08204	7111 FOX THORNE
220000723	3/26/22 11:56:42AM	3	08204	1275
220000757	3/29/22 11:29:12AM	3	08204	N MORTON TAYLOR
220000758	3/29/22 11:50:00AM	3	08204	48735 WARREN

<i>Subtotal Mutual aid given</i>			<b>7</b>	
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<i>Subtotal Canton Twp FD</i>			<b>9</b>	
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## Department: Livonia Fire & Rescue

### Mutual aid given

220000521	3/4/22 6:46:40PM	3	08229	1275
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<i>Subtotal Mutual aid given</i>			<b>1</b>	
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<i>Subtotal Livonia Fire &amp; Rescue</i>			<b>1</b>	
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## Department: Northville City FD

### Mutual aid received

220000689	3/22/22 12:01:24PM	1	08232	9173 GENERAL CT
220000709	3/24/22 11:56:37AM	1	08232	44696 HELM CT

<i>Subtotal Mutual aid received</i>			<b>2</b>	
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### Automatic aid received

220000557	3/9/22 8:54:07AM	2	08232	48484 NORTH TERRITORIAL RD
220000653	3/18/22 5:35:04PM	2	08232	48057 COLONY FARM CIR

<i>Subtotal Automatic aid received</i>			<b>2</b>	
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**Time Period: 3/1/22 - 3/31/22**

**Mutual aid given**

220000660	3/19/22 7:15:36PM	3	08232	105 HAGGERTY RD
<del>220000713</del>	<del>3/24/22 7:07:57PM</del>	<del>3</del>	<del>08232</del>	<del>105 HAGGERTY RD</del>

**Subtotal Mutual aid given** 2

**Automatic aid given**

220000561	3/9/22 8:18:03PM	4	08232	105 HAGGERTY RD
220000748	3/28/22 8:04:29PM	4	08232	105 HAGGERTY RD

**Subtotal Automatic aid given** 2

**Subtotal Northville City FD** 8

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**Department: Northville Twp FD**

**Mutual aid received**

220000558	3/9/22 9:01:55AM	1	08255	14988 PILOT DR
220000638	3/17/22 4:43:24PM	1	08255	N BECK RD
220000693	3/22/22 4:23:38PM	1	08255	N BECK RD
220000709	3/24/22 11:56:37AM	1	08255	44696 HELM CT

**Subtotal Mutual aid received** 4

**Mutual aid given**

220000592	3/13/22 11:48:48AM	3	08255	17226 LAKE VIEW CIR
220000646	3/18/22 9:37:56AM	3	08255	39901 TRADITIONS DR
220000657	3/18/22 9:48:23PM	3	08255	16820 E LOCHMOOR CIR
220000674	3/21/22 9:04:26AM	3	08255	16100 HAGGERTY RD
220000735	3/27/22 12:40:09PM	3	08255	19515 DARTMOUTH PL
220000765	3/29/22 7:01:50PM	3	08255	15700 HAGGERTY RD
220000770	3/30/22 11:31:18AM	3	08255	42000 SEVEN MILE RD

**Subtotal Mutual aid given** 7

**Subtotal Northville Twp FD** 11

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**Department: Westland FD**

**Mutual aid given**

220000500	3/2/22 11:35:36AM	3	08251	39201 JOY RD
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**Subtotal Mutual aid given** 1

**Subtotal Westland FD** 1

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**Department: Salem Twp FD**

**Mutual aid received**

220000693	3/22/22 4:23:38PM	1	08109	N BECK RD
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**Subtotal Mutual aid received** 1

**Subtotal Salem Twp FD** 1

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**Total** 27

# Incident Summary by Incident Type

For Dates: 3/1/22 - 3/31/22



Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
<b>Shift: A</b>				
<b>Station: ST1</b>				
Rescue & Emergency Medical Service Incidents	27	00:05:41	\$ 0.00	\$ 0.00
Service Calls	5	00:06:11	\$ 0.00	\$ 0.00
Good Intent Calls	6	00:00:56	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:04:13	\$ 0.00	\$ 0.00
<b>Total for Station: ST1</b>	<b>40</b>	<b>00:04:58</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST2</b>				
Rescue & Emergency Medical Service Incidents	15	00:05:43	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:07:27	\$ 0.00	\$ 0.00
Service Calls	4	00:05:17	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:08:21	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:04:20	\$ 0.00	\$ 0.00
<b>Total for Station: ST2</b>	<b>23</b>	<b>00:05:43</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST3</b>				
Fires	1	00:06:28	\$ 6,000.00	\$ 6,000.00
Rescue & Emergency Medical Service Incidents	23	00:07:10	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:04:38	\$ 0.00	\$ 0.00
Service Calls	6	00:07:28	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:13:06	\$ 1,000.00	\$ 150,000.00
False Alarm & False Calls	3	00:05:06	\$ 0.00	\$ 0.00
<b>Total for Station: ST3</b>	<b>35</b>	<b>00:07:07</b>	<b>\$ 7,000.00</b>	<b>\$ 156,000.00</b>
<b>Total for Shift: A</b>	<b>98.00</b>	<b>00:05:54</b>	<b>\$ 7,000.00</b>	<b>\$ 156,000.00</b>
<b>Shift: B</b>				
<b>Station: MA</b>				
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
<b>Total for Station: MA</b>	<b>1</b>	<b>00:00:00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST1</b>				
Fires	2	00:06:28	\$ 4,000.00	\$ 6,010,000.00
Rescue & Emergency Medical Service Incidents	40	4,452:59:00	\$ 0.00	\$ 0.00
Service Calls	3	00:04:00	\$ 0.00	\$ 0.00
Good Intent Calls	4	00:02:17	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:06:40	\$ 0.00	\$ 0.00
<b>Total for Station: ST1</b>	<b>51</b>	<b>3,492:33:05</b>	<b>\$ 4,000.00</b>	<b>\$ 6,010,000.00</b>
<b>Station: ST2</b>				
Fires	1	00:05:29	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	21	00:06:29	\$ 0.00	\$ 0.00
Service Calls	1	00:05:32	\$ 0.00	\$ 2,400,000.00
False Alarm & False Calls	1	00:06:09	\$ 0.00	\$ 0.00
<b>Total for Station: ST2</b>	<b>24</b>	<b>00:06:24</b>	<b>\$ 0.00</b>	<b>\$ 2,400,000.00</b>

## Incident Summary by Incident Type

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
<b>Station: ST3</b>				
Fires	1	00:08:10	\$ 600.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	14	00:09:13	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:06:33	\$ 0.00	\$ 0.00
Service Calls	6	00:09:03	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:02:13	\$ 0.00	\$ 0.00
<b>Total for Station: ST3</b>	<b>25</b>	<b>00:08:11</b>	<b>\$ 600.00</b>	<b>\$ 0.00</b>
<hr/>				
<b>Total for Shift: B</b>	<b>101.00</b>	<b>1,763:37:29</b>	<b>\$ 4,600.00</b>	<b>\$ 8,410,000.00</b>
<b>Shift: C</b>				
<b>Station: MA</b>				
Rescue & Emergency Medical Service Incidents	1	00:15:45	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:04:33	\$ 0.00	\$ 0.00
<b>Total for Station: MA</b>	<b>2</b>	<b>00:10:09</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST1</b>				
Rescue & Emergency Medical Service Incidents	19	00:07:15	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:15:01	\$ 0.00	\$ 0.00
Service Calls	5	00:05:15	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:06:34	\$ 0.00	\$ 0.00
<b>Total for Station: ST1</b>	<b>27</b>	<b>00:06:52</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST2</b>				
Rescue & Emergency Medical Service Incidents	20	00:05:37	\$ 0.00	\$ 0.00
Service Calls	1	00:04:19	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:06:46	\$ 0.00	\$ 0.00
<b>Total for Station: ST2</b>	<b>22</b>	<b>00:05:36</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Station: ST3</b>				
Fires	1	00:07:43	\$ 340,000.00	\$ 340,000.00
Rescue & Emergency Medical Service Incidents	22	00:06:56	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	3	00:10:01	\$ 0.00	\$ 0.00
Service Calls	6	00:07:22	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	3	00:07:30	\$ 0.00	\$ 0.00
<b>Total for Station: ST3</b>	<b>38</b>	<b>00:06:46</b>	<b>\$ 340,000.00</b>	<b>\$ 340,000.00</b>
<hr/>				
<b>Total for Shift: C</b>	<b>89.00</b>	<b>00:06:35</b>	<b>\$ 340,000.00</b>	<b>\$ 340,000.00</b>
<hr/>				
<b>Total</b>	<b>288.00</b>	<b>618:33:39</b>	<b>\$ 351,600.00</b>	<b>\$ 8,906,000.00</b>

# Agency Activity Summary

## Plymouth Township Fire Dept

Agency: Plymouth Township Fire Dept | Service Date: From 03/01/2022 Through 03/31/2022

**Total Number of ePCRs: 189**

**Total Number of Incidents: 185**

### By Branch

01 Station 1 = 68

02 Station 2 = 60

03 Station 3 = 61

### Run Disposition

	#	%		#	%
Treated/Transported	51	27.0%	Dead Prior To Arrival	2	1.1%
Treated / Transferred Care	89	47.1%	Dead After Arrival	N/A	N/A
Treated/No Transport (AMA)	45	23.8%	Treat/Transported by Private Veh.	N/A	N/A
Treated / No Transport (Per Protocol)	N/A	N/A	Assist	2	1.1%
Transported / Refused Care	N/A	N/A	Other	N/A	N/A
No Transport / Refused Care	N/A	N/A	No Patient Found	N/A	N/A
Cancelled	N/A	N/A			
Left Blank	N/A	N/A			

### Run Type

	#	%		#	%
Emergency Runs	189	100.0%	Non-Emergency Runs	N/A	N/A
Stand By	N/A	N/A	Stand By	N/A	N/A
Mutual Aid	2	1.1%	Mutual Aid	N/A	N/A
Interfacility	N/A	N/A	Interfacility	N/A	N/A
Intercept	N/A	N/A	Intercept	N/A	N/A

Emergency Runs (Scheduled)	N/A	N/A	Non-Emergency Runs (Scheduled)	N/A	N/A
Stand By	N/A	N/A	Stand By	N/A	N/A
Mutual Aid	N/A	N/A	Mutual Aid	N/A	N/A
Interfacility	N/A	N/A	Interfacility	N/A	N/A
Intercept	N/A	N/A	Intercept	N/A	N/A

Emergency Type Left Blank: 0

### Runs by Unit

Unit	Total Runs	Treat/Transp	Treat/Transfer	Treat/No Transp(AMA)	Treat/No Transp(PP)	Transp/Ref. Care	Cancelled	Dead Prior Arr	Dead After Arr	T/T Priv Veh	No Trans/Ref. Care	Assist	Other	No Pat. Found
ENG1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
RES1	66	24	28	11	0	0	0	1	0	0	0	2	0	0
RES2	61	21	28	12	0	0	0	0	0	0	0	0	0	0
RES3	61	6	33	21	0	0	0	1	0	0	0	0	0	0
Total	189	51	89	45	0	0	0	2	0	0	0	2	0	0

### Runs by Service Level

Dispatched Service Level	#	%	Recommended Service Level	#	%
BLS	7	3.7%	BLS	130	68.8%
ALS	182	96.3%	ALS1	56	29.6%
SCT	N/A	N/A	ALS2	3	1.6%
			SCT	N/A	N/A
			Rotary Wing	N/A	N/A
			Fixed Wing	N/A	N/A

## **Runs by Insurance Type with Service Level** *(Multiple Insurance types may have*

*been marked on a run)*

Type	BLS	%	ALS1	%	ALS2	%	SCT	%Rotary Wing	%Fixed Wing	%	Total	%
Private Ins.	1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	0.5%
None	129	68.3%	55	29.6%	3	1.6%	N/A	N/A	N/A	N/A	187	99.5%

## **Runs by Primary PI**

Description	#	%
Abdominal Pain	7	3.7%
Allergic Reaction	2	1.1%
Alt. Level Conscious	8	4.2%
Anxiety	5	2.6%
Back Pain (No Trauma)	5	2.6%
Behavioral Disorder	1	0.5%
CVA/Stroke	3	1.6%
Cardiac Arrest	2	1.1%
Cardiac Symptoms	4	2.1%
Chest Pain	7	3.7%
Diabetic Symptoms	6	3.2%
Dizziness	2	1.1%
Dyspnea-SOB	8	4.2%
Flu Symptoms	2	1.1%
GI -Bleed	1	0.5%
GI -Constipation	1	0.5%
GI -Diarrhea	1	0.5%
Headache (no trauma)	1	0.5%
Hemorrhage-(severe medical)	3	1.6%
Medication Reaction	1	0.5%
Monitoring Required	8	4.2%
Nausea	5	2.6%
No Medical Problem	9	4.8%
Nose Bleed	2	1.1%
Not Applicable	6	3.2%
Obvious Death	1	0.5%
Poisoning	1	0.5%
Positioning Required	1	0.5%
Psychiatric Emerg.	4	2.1%
Pulmonary Edema	1	0.5%
Seizure	7	3.7%
Syncope/Fainting	9	4.8%
Trauma Injury	33	17.5%
Unconscious	1	0.5%
Unknown Medical	3	1.6%
Urinary Bleeding	1	0.5%
Urination Problem	2	1.1%
Vomiting	2	1.1%
Weakness	21	11.1%
Left Blank	2	1.1%
<b>Total</b>	<b>189</b>	<b>100.0%</b>

**Runs by Dispatch (EMD) Code**

<u>Description</u>	<u>#</u>	<u>%</u>
1 Abdominal Pain	6	3.2%
10 Chest Pain [non-traumatic]	9	4.8%
12 Convulsions/Seizures	8	4.2%
13 Diabetic	6	3.2%
17 Falls	38	20.1%
19 Heart Problems A.I.D.C	2	1.1%
2 Allergies/Envenomations	1	0.5%
21 Hemorrhage/Lacerations	3	1.6%
23 Overdose/poisoning	4	2.1%
25 Psychiatric/Abnormal behavior/Suicide Attempt	6	3.2%
26 Sick Person	45	23.8%
28 Stroke [CVA]	2	1.1%
29 Traffic/Accidents	15	7.9%
30 Traumatic Injuries	6	3.2%
31 Unconscious/Fainting	12	6.3%
32 Unknown Problem	6	3.2%
5 Back Pain	3	1.6%
6 Breathing Problems	9	4.8%
88 Not applicable	1	0.5%
9 Cardiac or Respiratory Arrest/Death	2	1.1%
99 Unknown	5	2.6%
<i>Left Blank</i>	0	0.0%
<i>Total</i>	189	100.0%

**Transport From (Category)**

	<u>#</u>	<u>%</u>
<i>-Left Blank-</i>	189	100.0%
<i>Total</i>	189	100.0%

**Transport From (Facility)**

	<u>#</u>	<u>%</u>
<i>-Left Blank-</i>	189	100.0%
<i>Total</i>	189	100.0%

**Transport To (Destination Facility)**

	<u>#</u>	<u>%</u>
St Mary Livonia ER	123	65.1%
<i>-Left Blank-</i>	49	25.9%
UNIVERSITY OF MICHIGAN ER	8	4.2%
St Joe Ann Arbor ER	4	2.1%
Providence Park ER-Nov	2	1.1%
Henry Ford West Bloomfield	1	0.5%
No transport	1	0.5%
C.S. Mott Children's Hospital	1	0.5%
<i>Total</i>	189	100.0%

**PLYMOUTH AGING SUMMARY**  
**PLYMOUTH MONTHLY AGING REPORT**  
 REPORT AS OF MARCH 31, 2022

ID	Description	Chgs	Current	31 to 60	61 to 90	91 to 120	121 to 150	151 to 180	Over 180	Total
1CONS	PAPER - CONTRACT	2	705.88	0	0	0	0	0	548	1253.88
1MRP	PAPER - MEDICARE	1	0	0	0	841.8	0	0	0	841.8
1STAT	STATUS - CARE	1	0	0	0	0	0	576.72	0	576.72
BCAP	APPEAL BCBS	1	0	0	0	0	0	0	732.2	732.2
BCBS	ELECT BCBS	1	541.81	0	0	0	0	0	0	541.81
CAID	ELECT MEDICAID	3	967.06	290	0	0	0	718.5	0	1575.56
CAIP	PAPER MEDICAID R	3	2135.8	0	0	0	0	0	0	2135.8
CARE	ELECT - MEDICARE	12	7235.71	718.45	604.12	0	0	0	0	8558.28
CAREBL	ELECT MEDICARE P	3	2272.71	0	0	0	0	0	0	2272.71
INSU	PAPER INS PRIMAR	7	1467.64	1828.67	0	718.5	0	424.41	0	4439.22
MCAP	APPEAL MEDICAID	1	0	0	0	483.32	0	0	0	483.32
NEIC	ELECT INS NEIC	4	1374.92	1499.25	0	0	0	0	0	2874.17
NEICCARE	ELECT INS NEIC ME	7	1438.31	700.29	0	556.17	0	1289.74	718.5	4703.01
PCAR	PAPER MEDICARE	3	1866.54	0	0	0	0	0	0	1866.54
PRIV	REQUEST PRIVATE	3	581.47	703.09	605.49	0	0	0	0	1870.05
PRV2	PAPER - PRIVATE P	38	8127.3	9303.34	73.22	697.13	0	515	131.13	18847.12
REVIEW	REVIEW	24	0	555.88	0	5870.97	0	3053.8	988.82	10467.47
SINS	PAPER INS SECOND	5	86.15	186.25	0	105.16	0	0	114.32	491.88
TIME	TIME PAY ACCOUNT	3	0	0	0	0	157.96	440	0	597.96
ZIR	ZIRMED 2	5	1398.67	0	0	224.76	0	718.5	732.2	3074.13
ZIRCAID	ELECT MEDICAID ZI	11	1459.26	722.64	569.48	865.77	0	0	3553.28	6960.43
ZIRMED	ELECT INS ZIRMED	2	0	1567.34	0	0	0	0	0	1567.34
<b>Totals</b>		<b>140</b>	<b>31239.33</b>	<b>18075.2</b>	<b>1842.31</b>	<b>10163.68</b>	<b>167.96</b>	<b>7736.67</b>	<b>7516.45</b>	<b>76731.6</b>

**PLYMOUTH CHARGE SUMMARY**  
**PLYMOUTH MONTHLY CHARGE REPORT**  
 REPORT AS OF MARCH 31, 2022

				<u>Charge</u>	<u>Charge</u>	<u>Total Charge</u>	
<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>QTY %</u>	<u>Count</u>	<u>Count</u>	<u>Charge</u>	<u>%</u>
427	ALS EMERGENCY	35	10.27	35	33.02	22750.00	63.07
433	ALS II EMERGENCY	1	0.29	1	0.94	800.00	2.22
429	BLS EMERGENCY	17	4.99	17	16.04	8500.00	23.57
0425MC	CMS MILEAGE	205.7	60.38	36	33.96	2873.67	7.97
425	MILEAGE	82	24.07	17	16.04	1145.54	3.18
<b>Totals</b>		<b>340.7</b>		<b>106</b>		<b>36069.21</b>	

**PLYMOUTH CREDIT SUMMARY**  
**PLYMOUTH MONTHLY CREDIT REPORT**  
 REPORT AS OF MARCH 31, 2022

ID	Description	Credits	QTY %	Amount	Amount %
2	Adjustment	90	29.51	11863.29	31.6
1	Other Payment	177	58.03	22562.14	60.1
4	Other Refund	9	2.95	-1090.58	-2.91
6	Patient Payment	21	6.89	4015.36	10.7
5	Write Off	8	2.62	189.3	0.5
<b>Totals</b>		<b>305</b>		<b>37639.81</b>	

## Inspection Volume

3/31/2022 4:26:18 PM

**Filters:**

- Inspection Source: **Internal Department Only**
- Start Date: **3/1/2022 12:00:00 AM**
- End Date: **3/31/2022 11:59:59 PM**
- Inspector: **-all-**
- Occupancy Type: **-all-**
- IFC Occupant Class: **-all-**
- Occupancy Number: **-all-**
- Zip Code: **-all-**
- Address: **-all-**
- Street Name: **-all-**
- Inspection Type: **-all Fire Safety types-**
- Census: **-all-**
- District: **-all-**
- Section: **-all-**
- Station: **-all-**
- Zone: **-all-**

**Volume by Inspector**

	# of Inspections <sup>1</sup>	Violations Cited	Occupant Sq. Ft.
<b>Randall, Jeff</b>			
2-Year <sup>FS</sup>	6		224,250
3-Year <sup>FS</sup>	10		273,700
Annual <sup>FS</sup>	3		60,800
Business Update <sup>FS</sup>	2		1,400
Final Fire Alarm <sup>FS</sup>	5		390,171
Final Suppression test <sup>FS</sup>	1		500,000
Fire Alarm Test <sup>FS</sup>	3		7,500
Freedom of Information <sup>FS</sup>	7		598,600
Hydrostratic Test <sup>FS</sup>	5		155,000
Re-inspect <sup>FS</sup>	3		52,500
Annual (1)			
Final Fire Alarm (1)			
Site Plan/Plan Review (1)			
Total 3 <sup>3</sup>			
Semi-Annual (twice a year) <sup>FS</sup>	5		108,800
Site Plan/Plan Review <sup>FS</sup>	1		0
<b>Total</b>	<b>51</b>	<b>1</b>	<b>2,372,721</b>

**Totals**

	# of Inspections <sup>1</sup>	Violations Cited	Violations Cleared <sup>2</sup>	Violations Remaining	Occupant Sq. Ft.
2-Year <sup>FS</sup>	6				224,250
3-Year <sup>FS</sup>	10				273,700
Annual <sup>FS</sup>	3				60,800
Business Update <sup>FS</sup>	2				1,400
Final Fire Alarm <sup>FS</sup>	5				390,171
Final Suppression test <sup>FS</sup>	1				500,000
Fire Alarm Test <sup>FS</sup>	3				7,500
Freedom of Information <sup>FS</sup>	7				598,600
Hydrostratic Test <sup>FS</sup>	5				155,000
Re-inspect <sup>FS</sup>	3				52,500
Semi-Annual (twice a year) <sup>FS</sup>	5				108,800
Site Plan/Plan Review <sup>FS</sup>	1				0
<b>Total<sup>5</sup></b>	<b>51</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2,372,721</b>

<sup>1</sup> This is actually a count for the inspection type. A single inspection with two types will total as two not one.

<sup>2</sup> Cleared violations from re-inspections outside the date range ARE included if initial inspection falls within date range.

<sup>3</sup> One re-inspection can encompass multiple inspection types - this is why the re-inspection type-specific total is frequently greater than the # of inspections.

<sup>FS</sup> Fire Safety Inspection.

<sup>5</sup> Filtering out portal inspections can cause violations cited to be less than violations cleared (violation cited count comes from both department and portal inspections, while violations cleared only come from department inspections).

# PLYMOUTH TOWNSHIP FIRE DEPARTMENT



## CPR CLASSES

OFFICE USE ONLY: SCAN&SEND COPY \_\_\_\_\_ ENTER ON CALENDAR \_\_\_\_\_

Available to Township based persons only.

DATE REQUEST MADE \_\_\_\_\_ ASSIGNED TO: \_\_\_\_\_

TRAINERS St. Jeff Nallari

TYPE OF PROGRAM: Heartsaver (CPR & AED) & First Aid CPR or BLS (Basic Life Support)

DATE OF PROGRAM: 3-25-22 TIME REQUIRED: 4-8 PM

ORGANIZATION: \_\_\_\_\_

LOCATION OF PROGRAM: FD meeting room

NUMBER OF PEOPLE EXPECTED: 1 AGE GROUP: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ PHONE #: \_\_\_\_\_

Participants and phone numbers:

Alyce Kriss 734-972-1654

AUTHORIZED BY: X [Signature] DATE: \_\_\_\_\_

FIRE CHIEF

=====

NUMBER PEOPLE PRESENT: \_\_\_\_\_ AMOUNT OF TIME REQUIRED: \_\_\_\_\_

IF THIS PROGRAM DID NOT TAKE PLACE. WHY NOT? \_\_\_\_\_

COMMENTS: \$5.00 each - cards can be picked up (must show id)

PRESENTER'S NAME: \_\_\_\_\_ RETURN COMPLETED FORM TO FIRE CHIEF'S OFFICE

=====

Scheduling notes: This program for Plymouth Township residents and groups.

Small Groups -schedule to station covering home/business area

1. Original to Chief for approval 2 Record on Fire Modules calendar 3. Scan and forward to Trainer

4. File original in notebook.

According to the Michigan Retention Schedule: Keep the completed copy for one year.

CPR-4-6 hrs, 3 to 6 students per instructor. 12 students per class.

Ratios 3:1 student per mannequin. Will need equipment to show video.

Check with Clerk for Twp Hall space available and reserve.

# PLYMOUTH TOWNSHIP FIRE DEPARTMENT SPECIAL EVENT



OFFICE USE ONLY: SCAN&SEND COPY \_\_\_\_\_ ENTER ON CALENDAR \_\_\_\_\_

Available to Township based businesses/persons only.

DATE REQUEST MADE 2-9-22 ASSIGNED TO PLATOON#: 2

TYPE OF PROGRAM: Cub Scouts

DATE OF PROGRAM: 3-17-22 TIME REQUIRED: 30 min / 6:30 p.m.

ORGANIZATION: Cub Scouts

LOCATION OF PROGRAM: Station #1

NUMBER OF PEOPLE EXPECTED: 13 AGE GROUP: 3rd grade

CONTACT PERSON: Tim Strand PHONE #: 734-972-8839 (Cell)

Special Instructions: Strand.tim@gmail.com / randycobb10@gmail.com

AUTHORIZED BY: X [Signature] DATE: 2-8-22  
FIRE CHIEF

=====

NUMBER PEOPLE PRESENT: 13 AMOUNT OF TIME REQUIRED: 45 min

IF THIS PROGRAM DID NOT TAKE PLACE. WHY NOT? N/A

COMMENTS: None

PRESENTER'S NAME: Andrew London RETURN COMPLETED FORM TO FIRE CHIEF'S OFFICE

=====

Scheduling notes: This program for Plymouth Township residents and groups.

Small Groups - schedule to station covering home/business area.

1. Original to Chief for approval 2 Record on Fire Modules calendar 3. Scan and forward to Platoon Officers  
4. File original in notebook.

According to the Michigan Retention Schedule: Keep the completed copy for one year.

PLYMOUTH TOWNSHIP FIRE DEPARTMENT  
SPECIAL EVENT



OFFICE USE ONLY: SC IN/SEND COPY \_\_\_\_\_ ENTER ON CALENDAR \_\_\_\_\_

Available to Township based businesses/persons only.

DATE REQUEST MADE \_\_\_\_\_ ASSIGNED TO PLATOON: 2  
TYPE OF PROGRAM: Blood Pressure / Sugar Screening  
DATE OF PROGRAM: 3-15-22 TIME REQUIRED: 12:00 pm to 1:00 pm  
ORGANIZATION: Senior Alliance / Blood Pressure  
LOCATION OF PROGRAM: Friendship Station / Pot of Gold Luncheon  
NUMBER OF PEOPLE EXPECTED: \_\_\_\_\_ AGE GROUP: \_\_\_\_\_  
CONTACT PERSON: Bobbi Plumm II PHONE # 734-770-5746  
734-354-3222  
Special Instructions: Blood Pressure / Sugar Screening

AUTHORIZED BY: X [Signature] DATE: \_\_\_\_\_  
FIRE CHIEF  
===== S.S.S. =====  
NUMBER PEOPLE PRESENT: 50 AMOUNT OF TIME REQUIRED: \_\_\_\_\_  
IF THIS PROGRAM DID NOT TAKE PLACE, WHY NOT? \_\_\_\_\_  
COMMENTS: Great Program  
PRESENTER'S NAME: Pickert / Zmuda RETURN COMPLETED FORM TO FIRE CHIEF'S OFFICE

Scheduling notes: This program for Plymouth Township residents and groups.  
Small Groups - schedule to station covering home business area  
1. Original to Chief for approval 2. Record on Fire Modules calendar 3. Scan and forward to Platoon Officers  
4. File original in notebook.

According to the Michigan Retention Schedule: Keep the completed copy for one year.

J:\Fire\Miscellaneous\FORMS\Community Education Request-Special Event.doc



# Monthly Planning & Zoning Report

for March 2022

McKenna provides day-to-day assistance to the Township, applicants, and public regarding zoning, planning and economic development matters, including on-site office hours every morning and as-needed.

## PLANNING, ZONING, DESIGN & ECONOMIC DEVELOPMENT ACTIVITY

As part of our services to the Township, McKenna reviews Planning Commission applications and provides recommendations on long range planning, land use, zoning, and design. The following is a summary of active development projects; yellow highlighting indicates new updates for the month.

PROJECT # / ADDRESS	SCOPE	STATUS / NEXT STEPS
#2312 <i>Ponds at Andover</i>	Residential development with 7 single-family, detached units, approved, with conditions, by the Board of Trustees on August 25, 2020.	Recording of the CHO Agreement and final stamp pending.
#2332 <i>Boleski Funeral Home</i>	Final site plan, with conditions, granted by the Planning Commission on July 21, 2021.	Revised plans submitted to the administrative review committee; under review.
#2346 <i>Phoenix Mill</i>	Redevelopment of the former Wayne County Road Yard, adjacent to Hines Park, into an office and event space.	Final site plan granted by the Planning Commission on May 19, 2021; final stamp under review.
#2377 <i>Home for Mom &amp; Dad</i>	Tentative site plan approval for a 20-unit assisted living facility granted by the Planning Commission on February 17, 2021.	Planning Commission granted a one-year extension on February 16, 2022; the applicant must submit by February 17, 2023 for final site plan approval or the site plan will expire, and the file will be closed.
#2379 <i>Lot 23 - Metro Business Park</i>	Site plan for a ±38,000 SF office and industrial spec building.	Tentative and final site plan approval, with conditions, granted on January 20, 2021; the final site plan has expired, file to be closed.
#2385 <i>Lot 1 - Metro Business Park</i>	Tentative site plan for a ±24,000 SF office and industrial spec building granted by the Planning Commission on March 17, 2021.	A one-year extension has been requested, to be considered by the Planning Commission on April 20, 2022.
#2386 <i>Lot 14 - Metro Business Park</i>	Tentative site plan for a ±26,000 SF office and industrial spec building granted by the Planning Commission on March 17, 2021.	A one-year extension has been requested, to be considered by the Planning Commission on April 20, 2022.
#2387 <i>Lots 17-20 - Metro Business Park</i>	Tentative site plan for an office and industrial spec building granted by the Planning Commission on April 21, 2021.	A one-year extension has been requested, to be considered by the Planning Commission on April 20, 2022.



PROJECT # / ADDRESS	SCOPE	STATUS / NEXT STEPS
#2394 <i>Pursell Place CHO</i>	Eight-unit residential subdivision at 46200 N. Territorial Road; Planning Commission approved the site development plan on July 21, 2021.	Applicant must provide legal documents to the Twp. Attorney for review, prior to July 21, 2022.
#2398 <i>14200 N. Haggerty</i>	Administrative site plan for a parking lot expansion at Webasto.	Final stamp pending; file to expire on June 3, 2022.
#2406 <i>PUD: Elks Redevelopment</i>	Planned Unit Development (PUD) request for the 30+ acres at the former Elks Lodge into apartments, a club house, and townhomes.	A public hearing was held at the October 20, 2021 Planning Commission meeting, and the Commission recommended approval of the PUD Option to the Board of Trustees on January 12, 2022. The Board of Trustees is to discuss the project on April 12, 2022.
#2410 <i>Plymouth Ridge Rezoning</i>	Request for the Planning Commission to re-hear a rezoning request at the former Northridge residential site.	Planning Commission approved to re-hear the rezoning request at their January 19, 2022 meeting. Applicant to submit a conditional rezoning application when ready.
#2414 <i>Inn at St. John's PUD</i>	Amendment to the existing PUD for the Inn at St. John's for new event facilities, landscaping, spa, and pro-shop expansion.	Planning Commission granted final site plan approval on January 19, 2022, contingent that several items be addressed by administrative review committee, and all engineering and fire comments be addressed. Amended PUD Contract approved by the Board of Trustees on February 22, 2022.
#2415 <i>SW Corner of Schoolcraft and Haggerty</i>	Site plan for an RV storage facility.	Final site plan approval granted on March 16, 2022, with conditions. Applicant to finalize engineering and submit for final stamp.
#2416 <i>BCP Industries</i>	Site plan for a 280,000 SF industrial spec. building at the southeast corner of Ridge Road and Five Mile Road.	Final site plan approval granted on March 16, 2022. Applicant to finalize engineering and submit for final stamp.
#2418 <i>9284 Brookline</i>	Lot split application for single-family residential.	Lot split approved; file to be closed.
#2419 <i>Towne Center PUD</i>	Proposal for a grocery store at the Towne Center PUD (NW corner of Haggerty Road and Ann Arbor Road).	Final stamp for the administrative site plan under review.
#2420 <i>Inn at St. John's</i>	Site plan request for a 5,000 SF pavilion to the existing banquet and event facility.	Final site plan approval, with conditions, granted by the Planning Commission on February 16, 2022.
#2421 <i>ARC Signage</i>	New menu board signage proposed for Dunkin Donuts.	Sign package approved on March 16, 2022; file to be closed.
#2422 <i>ARC Signage</i>	Replacement canopy signage proposed for the Shell Gas Station.	Sign package approved (administratively); file to be closed.
#2423 <i>ARC Signage</i>	New signage proposal for the Towne Carpet and Flooring building.	Revised sign package to be reviewed by the Planning Commission at their April 20, 2022 meeting.



PROJECT # / ADDRESS	SCOPE	STATUS / NEXT STEPS
#2444 <i>Bank of Ann Arbor</i>	Administrative site plan for minor site improvements (i.e., new dumpster enclosure)	Approved; file to be closed
#2425 <i>Taco Bell Expansion</i>	Proposal for a second drive-through lane, new signage, and new lighting at the existing Taco Bell restaurant	Waiting for revised plans to be submitted by the applicant
#2426 <i>13401 Beck Road</i>	Lot split application for the creation of two single-family lots	Application under review
#2427 <i>SW Corner of Schoolcraft and Haggerty</i>	Land combination application for two industrial parcels (requirement of the RV Storage Facility site plan)	Application under review
#2428 <i>ARC Signage</i>	Sign review for two new monument signs at the Suburban dealership	Application under review, to be reviewed by the Planning Commission on April 20, 2022.

### MISCELLANEOUS ON-GOING PROJECTS

**Former Denny's Establishment.** Construction of the Quick Pass Car Wash continues; the former Denny's building has since been demolished and the building foundation is going up; construction is expected to be completed within the next 60-days.

**I-275 Landscaping/Screening.** The Township met with MDOT regarding the I-275 interchange (as part of the larger I-275 roadway project) to create several berms within the cloverleaf to offer additional noise buffers for the surrounding neighborhoods. These areas will be further landscaped, and the Township is interested in exploring signage to create more of a gateway into the community.

**Former Steak & Ale Site.** Discussions on this challenging site continue to evolve; residential uses are currently being discussed with a developer. One major obstacle for redevelopment is the volume of Ann Arbor Road traffic and the proximity to the freeway exchange; this has created issues in ensuring safe access from Massey Drive (without a traffic light, which MDOT has stated is not possible).

**Suburban Cadillac Remodel.** The façade remodel and new landscaping to the Suburban Cadillac facility is now complete. New monument signage along Ann Arbor Road has been applied for.

**Ann Arbor Road Traffic Signal Improvements.** The Township has been working with MDOT on the traffic flow and signalization along Ann Arbor Road, from I-275 to the CSX bridge, to improve safety and access. A new traffic light is proposed to be installed at the entrance to the Henry Ford Health System facility; this is currently under the review of MDOT.

**Henry Ford Health System.** The outbuilding at the corner has been constructed and will be occupied by the following three tenants: Chipotle, AT&T, and the Henry Ford OptimEyes Vision Center. Construction on the healthcare facility itself continues to progress, it is scheduled to open September, 2022.

**Amazon Facility.** Amazon has moved into the existing warehouse facility at 9075 Haggerty Road. Final landscaping and other site improvements will be constructed this spring.



**EV Charging at Township Hall.** The Township is engaged with DTE on a potential grant to install an EV charging station for the public's use at Township Hall.

**CSX Improvements.** Progress continues to be made for the planned pedestrian and landscaping improvements to the CSX overpass on Ann Arbor Road; on January 25, 2022, the Board of Trustees entered into an agreement with MDOT regarding easements and maintenance (as Ann Arbor Road is a state roadway).

**DTE Corridor Lighting.** The existing decorative streetscape lights (from Los Tres to the CSX Bridge along Ann Arbor Road) will be replaced with new LED light bulbs.

### **RECOMMENDATIONS / NEXT MONTH'S OUTLOOK**

**Joint Board of Trustees and Planning Commission meeting.** A joint meeting was held on August 24, 2021; it was recommended that the Board of Trustees and Planning Commission have a second joint meeting in 2022 and further discuss planning related items, including the vision for future Cluster Housing Options (CHO).

### **CONTACT US**

Should you have any questions on the above projects or would like additional information, please contact your Plymouth Township team at:

- Laura Haw, AICP, NCI ([lhaw@mcka.com](mailto:lhaw@mcka.com))
- Nani Wolf ([nwolf@mcka.com](mailto:nwolf@mcka.com))



# Plymouth Twp. Police

## March 2022

# PART-ONE CRIMES

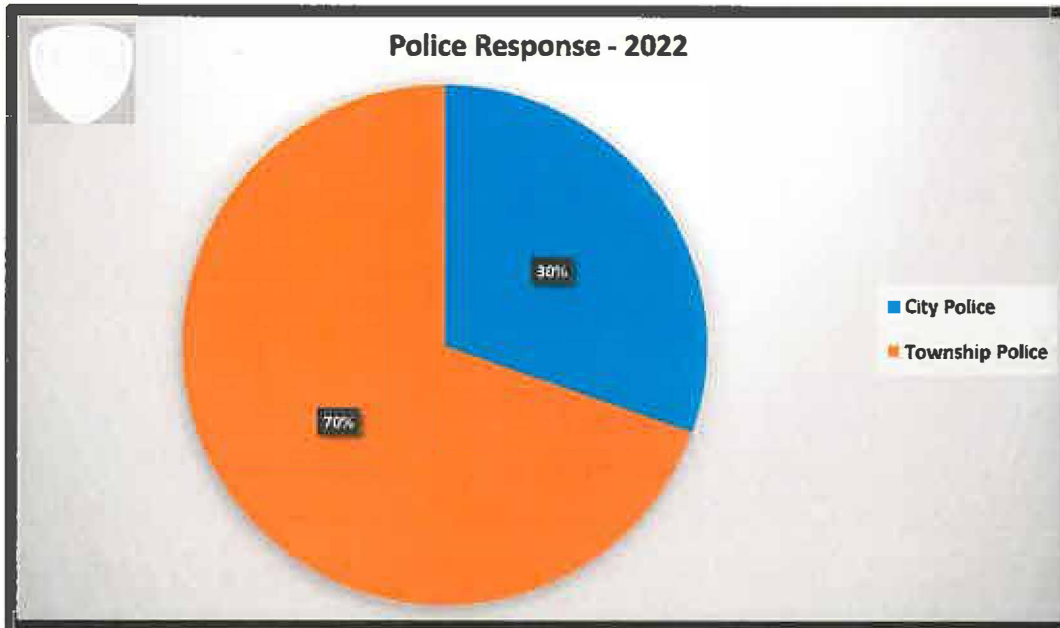
CLASS	Description	Mar/2022	Mar/2021	% CHG	YTD 2022	YTD 2021	% CHG
11002	SEXUAL PENETRATION PENIS/VAGINA -CSC 3RD DE	0	0	0%	0	1	-100.0%
11003	SEXUAL PENETRATION ORAL/ANAL -CSC 1ST DEGRE	0	0	0%	0	0	0%
11004	SEXUAL PENETRATION ORAL/ANAL -CSC 3RD DEGR	0	0	0%	0	1	-100.0%
11007	SEXUAL CONTACT FORCIBLE -CSC 2ND DEGREE	0	1	-100.0%	0	1	-100.0%
11008	SEXUAL CONTACT FORCIBLE -CSC 4TH DEGREE	1	0	0%	2	0	200.0%
12000	ROBBERY	0	0	0%	0	1	-100.0%
13001	NONAGGRAVATED ASSAULT	10	9	11.1%	26	22	18.2%
13002	AGGRAVATED/FELONIOUS ASSAULT	2	1	100.0%	3	3	0%
13003	INTIMIDATION/STALKING	2	2	0%	3	4	-25.0%
21000	EXTORTION	0	2	-100.0%	0	2	-100.0%
22001	BURGLARY -FORCED ENTRY	1	0	0%	3	2	50.0%
22002	BURGLARY -ENTRY WITHOUT FORCE (Intent to Com	0	0	0%	1	1	0%
23003	LARCENY -THEFT FROM BUILDING	3	0	0%	8	5	60.0%
23005	LARCENY -THEFT FROM MOTOR VEHICLE	6	9	-33.3%	20	12	66.7%
23006	LARCENY -THEFT OF MOTOR VEHICLE PARTS/ACCE	11	2	450.0%	21	8	250.0%
23007	LARCENY -OTHER	6	4	50.0%	9	6	50.0%
24001	MOTOR VEHICLE THEFT	2	3	-33.3%	8	5	60.0%
24002	MOTOR VEHICLE, AS STOLEN PROPERTY	0	1	-100.0%	0	1	-100.0%
25000	FORGERY/COUNTERFEITING	1	0	0%	2	0	200.0%
26001	FRAUD -FALSE PRETENSE/SWINDLE/CONFIDENCE	8	5	60.0%	17	9	88.9%
26002	FRAUD -CREDIT CARD/AUTOMATIC TELLER MACHIN	2	2	0%	4	4	0%
26005	FRAUD -WIRE FRAUD	0	1	-100.0%	1	3	-66.7%
26007	FRAUD - IDENTITY THEFT	5	6	-16.7%	11	14	-21.4%
28000	STOLEN PROPERTY	1	0	0%	1	0	100.0%
29000	DAMAGE TO PROPERTY	7	8	-12.5%	9	15	-40.0%
30002	RETAIL FRAUD -THEFT	1	0	0%	6	4	50.0%
35001	VIOLATION OF CONTROLLED SUBSTANCE ACT	3	0	0%	6	0	600.0%
35002	NARCOTIC EQUIPMENT VIOLATIONS	1	0	0%	3	0	300.0%
52001	WEAPONS OFFENSE- CONCEALED	2	0	0%	5	0	500.0%
52003	WEAPONS OFFENSE -OTHER	0	0	0%	1	1	0%
<b>Totals for Part A</b>		<b>75</b>	<b>58</b>	<b>33.93%</b>	<b>170</b>	<b>38.29%</b>	

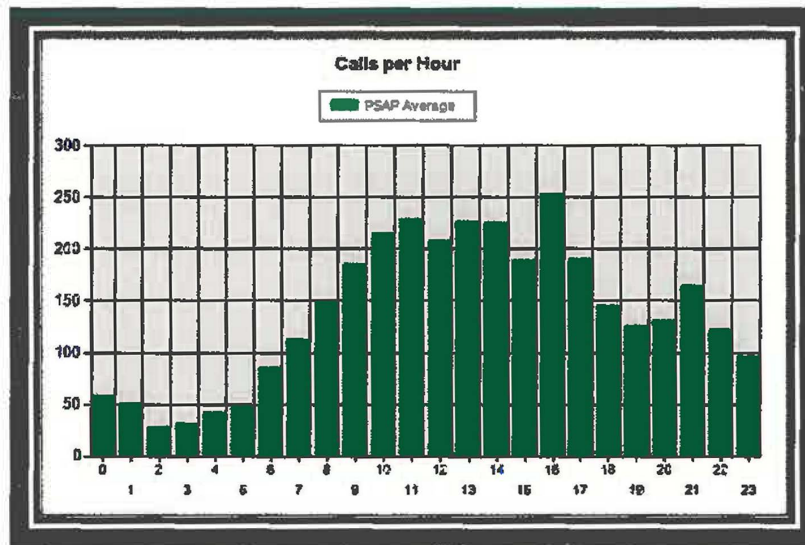
### POLICE RESPONSE

2022	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	370	357	514										1,241
Township Police	911	868	1,068										2,847
<b>Total</b>	<b>1,281</b>	<b>1,225</b>	<b>1,582</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,088</b>

### POLICE RESPONSE

2021	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	408	348	481	436	482	565	552	551	531	515	465	467	5,801
Township Police	750	765	953	854	866	916	950	924	1,018	856	890	801	10,543
<b>Total</b>	<b>1,158</b>	<b>1,113</b>	<b>1,434</b>	<b>1,290</b>	<b>1,348</b>	<b>1,481</b>	<b>1,502</b>	<b>1,475</b>	<b>1,549</b>	<b>1,371</b>	<b>1,355</b>	<b>1,268</b>	<b>16,344</b>

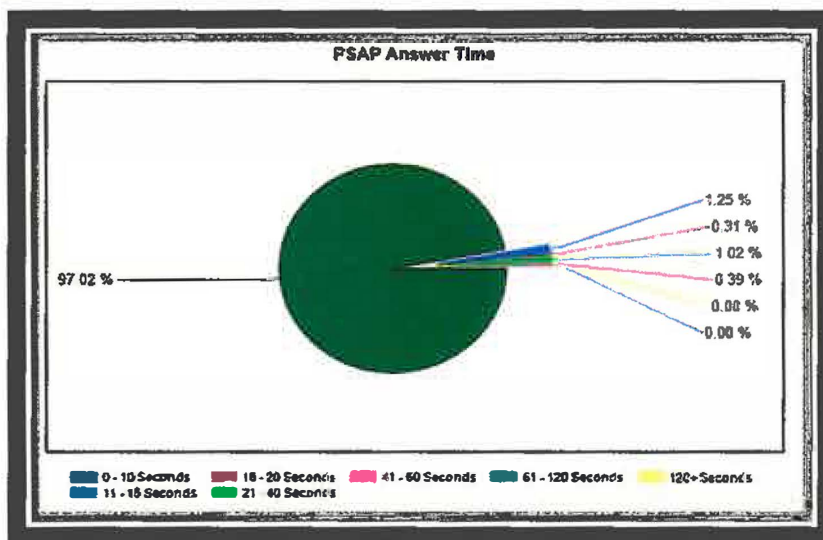




2022 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
# of 911 Calls	1,053	978	1,179										3,210
# of Non-Emergency Calls	1,944	1,762	1,983										5,689
<b>Total</b>	<b>2,997</b>	<b>2,740</b>	<b>3,162</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,899</b>

2021 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
# of 911 Calls	1,014	961	805	716	1,151	1,254	1,472	1,538	1,448	1,246	1,159	1,172	13,936
# of Non-Emergency Calls	1,751	1,934	2,206	1,824	2,105	2,079	2,254	2,418	2,249	2,055	2,051	1,868	24,794
<b>Total</b>	<b>2,765</b>	<b>2,895</b>	<b>3,011</b>	<b>2,540</b>	<b>3,256</b>	<b>3,333</b>	<b>3,726</b>	<b>3,956</b>	<b>3,697</b>	<b>3,301</b>	<b>3,210</b>	<b>3,040</b>	<b>38,730</b>



#### 2.2.1 Standard for answering 9-1-1 Calls

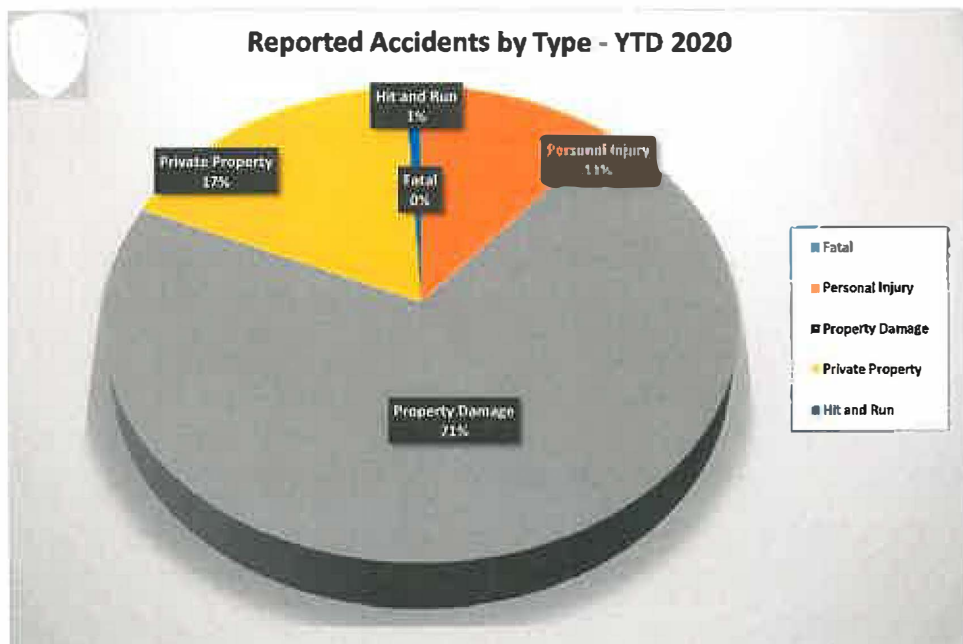
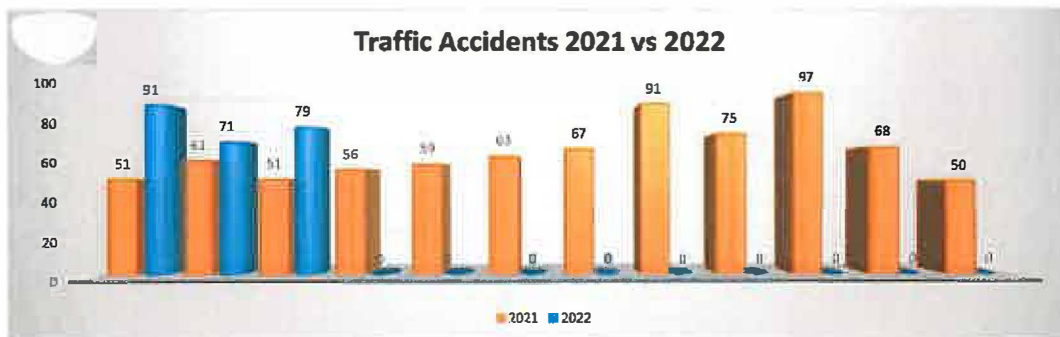
Ninety percent (90%) of all 9-1-1 calls arriving at the Public Safety Answering Point (PSAP) SHALL be answered within (≤) fifteen (15) seconds. Ninety-five (95%) of all 9-1-1 calls SHOULD be answered within (≤) twenty (20) seconds. A call flow diagram is available in Exhibit A.



% answer time 15 seconds	98.25%
% answer time 20 seconds	98.98%



TRAFFIC ACCIDENT SUMMARY													
2022	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
Fatal	0	0	0										0
Personal Injury	14	4	9										27
Property Damage	58	59	53										170
Private Property	18	8	16										42
Hit and Run	1	0	1										2
<b>Total</b>	<b>91</b>	<b>71</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>241</b>
2021	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
Fatal	0	0	0	0	0	0	0	0	0	0	0	0	0
Personal Injury	9	8	7	8	10	7	13	17	10	13	7	6	115
Property Damage	37	41	29	35	37	45	42	61	50	67	50	39	533
Private Property	0	10	15	13	12	11	12	12	15	17	11	5	133
Hit and Run	5	2	0	0	0	0	0	1	0	0	0	0	8
<b>Total</b>	<b>51</b>	<b>61</b>	<b>51</b>	<b>56</b>	<b>59</b>	<b>63</b>	<b>67</b>	<b>91</b>	<b>75</b>	<b>97</b>	<b>68</b>	<b>50</b>	<b>789</b>



## TRAFFIC VIOLATION SUMMARY

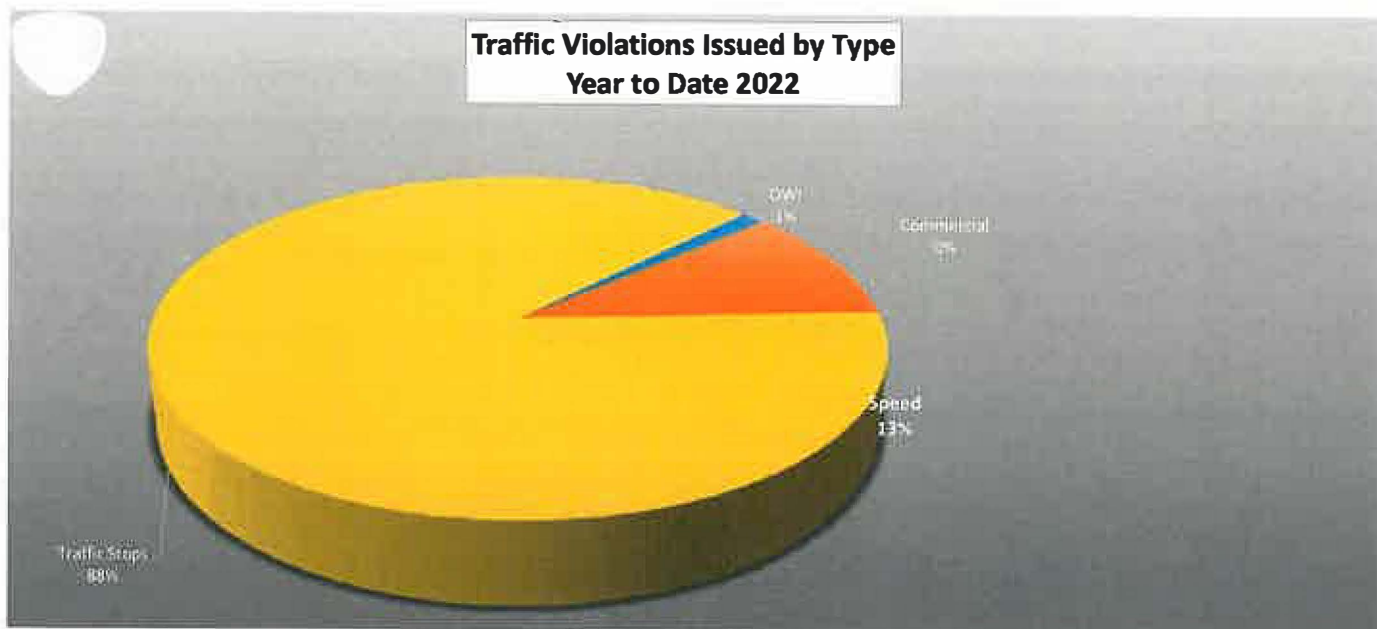
January 1, 2022 through December 31, 2022													
2022	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	3	5	6										14
Speed	47	33	33										113
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0
Traffic Stops	299	251	386										936

Number of Arrests													
2022	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Felony	21	4	14										39
Misdemeanor	35	27	37										99
Citations	146	126	139										411
<b>Total</b>	<b>202</b>	<b>157</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>549</b>

January 1, 2021 through December 31, 2021													
2021	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	3	3	4	4	3	4	2	3	13	3	7	8	57
Speed	45	16	40	35	30	21	34	25	35	40	42	21	384
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0
Traffic Stops	258	190	294	243	219	237	241	225	286	252	214	188	2,847

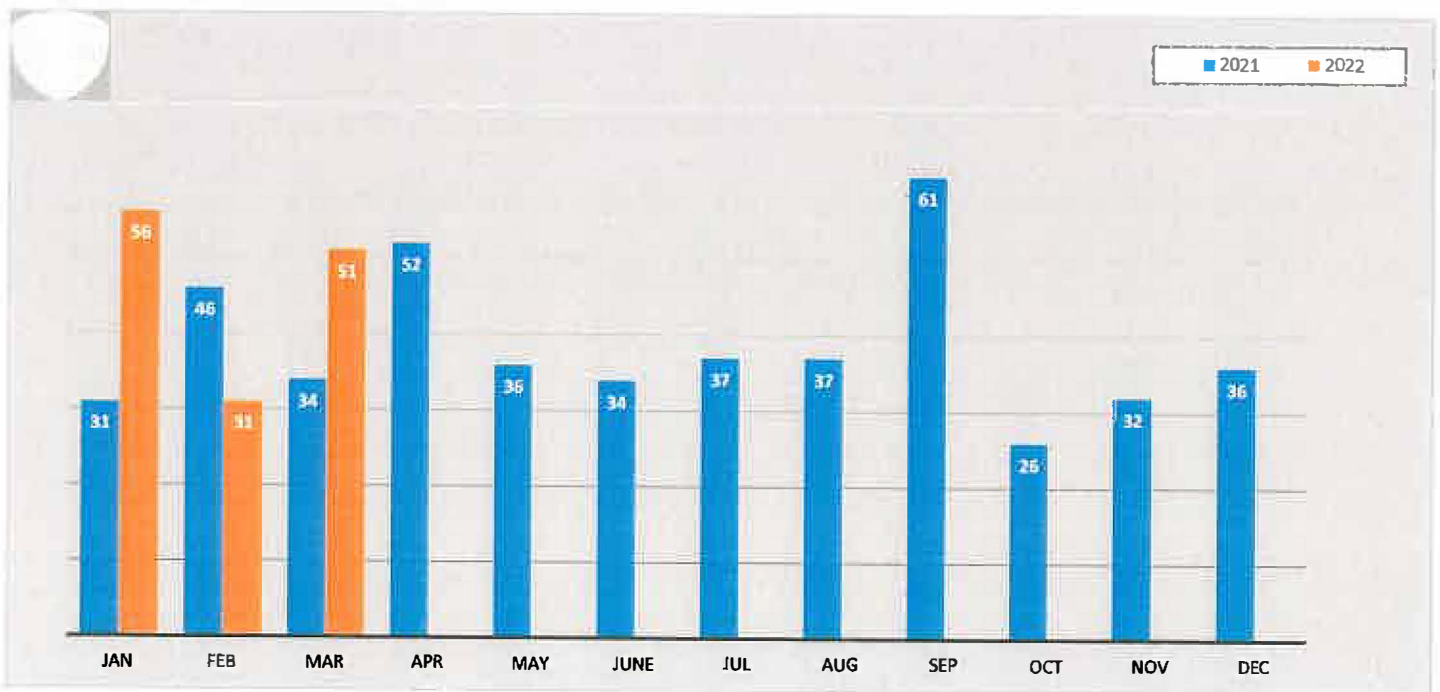
Number of Arrests													
2021	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Felony	5	7	8	4	12	6	4	8	11	4	6	3	78
Misdemeanor	26	39	26	48	24	28	33	29	50	22	26	33	384
Citations	114	65	107	121	120	103	112	135	159	131	114	77	1,358
<b>Total</b>	<b>145</b>	<b>111</b>	<b>141</b>	<b>173</b>	<b>156</b>	<b>137</b>	<b>149</b>	<b>172</b>	<b>220</b>	<b>157</b>	<b>146</b>	<b>113</b>	<b>1,820</b>

**Traffic Violations Issued by Type  
Year to Date 2022**



### NUMBER OF ARRESTS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
2022	56	31	51										138
2021	31	46	34	52	36	34	37	37	61	26	32	36	462



# FOIA Monthly Report

Run Date: 04/01/2022 8:01 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
3/6/2022		Media Buyer Kristin Keller	EMS Report Police Records	
3/8/2022	Applied EcoSystems	Environmental Consultant Caleb Slavik	Assessing Records Building Environmental Fire Report Public Services-Works	
3/8/2022	BBG/RESCOM	Ms Susan Blackmore	Assessing Records Building Code of Ordinance Records Environmental Fire Report Zoning	
3/9/2022	Applied EcoSystems	Research Denada Planaj	Assessing Records Building EMS Report Environmental Fire Report Planning Public Services-Works	
3/14/2022	Kukun / (www.mykukun.com)	Ms Nelja Holmquist	Building	
3/15/2022	McDowell & Associates	Staff Engineer Mark Kochanski	Environmental Fire Report	
3/16/2022	Partner ESI	Project Assessor Jack Lupo	Assessing Records Building Environmental Fire Report Planning Zoning	
3/16/2022	Partner Engineering and Science	Project Obed Ombongi	Building Environmental Fire Report Planning Zoning	
3/16/2022	Partner Engineering and Science	Project Obed Ombongi	Building Environmental Fire Report Planning Zoning	
3/18/2022	August Mack Environmental	AUBREY MOTHERWELL	Environmental Fire Report	
3/18/2022	PricewaterhouseCoopers LLP	Partner Janet Gagliano	Accounting Records Building Other	
3/22/2022	Williams, Williams, Rattner & Plunkett, P.C.	Mr. John Scheibelhut	Building Planning Zoning	
3/23/2022		Daniel Biedzen	EMS Report Police Records	
3/25/2022		Resident Thomas Ghesquiere	Budget Contract	
3/28/2022		Research Asst Nita Carder	Building Fire Report Planning Zoning	
3/29/2022	Natura Architectural Consulting, LLC	Mrs Krys Cardwell	Building Fire Report Zoning	
3/29/2022	Natura Architectural Consulting, LLC	Mrs Krys Cardwell	Building Fire Report Zoning	
3/29/2022	Natura Architectural Consulting, LLC	Mrs Krys Cardwell	Building Fire Report Zoning	
3/29/2022	Natura Architectural Consulting, LLC	Mrs Krys Cardwell	Building Fire Report Zoning	
3/30/2022	Global Zoning	Research Specialist Kylie Pena	Building Planning Resolutions Zoning Other	
3/31/2022	Williams, Williams, Rattner & Plunkett, P.C.	Mr. John Scheibelhut	Building Zoning	

Total Requests: 21

Total Dollars: 0

PD

## FOIA Monthly Report

Run Date: 04/01/2022 10:08 AM

Reference No	Create Date	Request Status	Assigned Dept	Company Name	Customer Full Name	Type of Information Requested	Total Fee Charge (\$)	Amount of Payment
<a href="#">W003404-030122</a>	3/1/2022	No Records Exist	Police Department	LexisNexis	LexisNexis LEXIS NEXIS	Police Records	0.00	
<a href="#">W003405-030122</a>	3/1/2022	Full Release	Police Department		VALERIE BERRY	Police Records	0.00	
<a href="#">W003406-030222</a>	3/1/2022	Partial Release	Police Department		LINDA KOWAL	Police Records	0.00	
<a href="#">W003407-030322</a>	3/2/2022	Partial Release	Police Department		TYLER MILLS	Police Records	0.00	
<a href="#">W003408-030322</a>	3/3/2022	Partial Release	Police Department	Boulahanis & Associates P.C.	Gregory Boulahanis	Police Records	5.54	35.44
<a href="#">W003409-030322</a>	3/3/2022	Partial Release	Police Department		R. MARK SETTLE	Police Records	0.00	
<a href="#">W003410-030422</a>	3/4/2022	Partial Release	Police Department		Mr AHMET GUNEL	Police Records	0.00	
<a href="#">W003412-030722</a>	3/4/2022	Partial Release	Police Department		TODD ARNOLD	Police Records	0.00	
<a href="#">W003413-030722</a>	3/7/2022	Partial Release	Police Department	THE CINCINNATI INS. CO.	WILLIAM KHOURY	Police Records	0.00	
<a href="#">W003414-030722</a>	3/7/2022	No Records Exist	Police Department	Kitch Attorneys & Counselors	Gregory Behler	Police Records	0.00	
<a href="#">W003418-030922</a>	3/9/2022	Exemption Denial	Police Department	Miller & Calabrese PC	Paralegal Samantha Calabrese	Police Records	0.00	
<a href="#">W003419-031022</a>	3/10/2022	Partial Release	Police Department	Personal/ For hearing evidence	Mrs. Faiza Harajli	Police Records	0.00	
<a href="#">W003420-031022</a>	3/10/2022	Full Release	Police Department		EDWARD TUCKER	Police Records	0.00	
<a href="#">W003421-031022</a>	3/10/2022	Partial Release	Police Department		ms Robin Mitchell	Police Records	0.00	
<a href="#">W003422-031422</a>	3/11/2022	Partial Release	Police Department		CHRISTINA POKRYFKY	Police Records	0.00	
<a href="#">W003424-031422</a>	3/14/2022	Partial Release	Police Department	Bassett Murray Law Group PLLC	Kimberly Parks	Police Records	7.25	61.07
<a href="#">W003429-031722</a>	3/17/2022	Partial Release	Police Department		Jon Rigoni	Police Records	0.00	
<a href="#">W003433-031922</a>	3/19/2022	Partial Release	Police Department		Mr Jonathon Dugan	Police Records	0.00	
<a href="#">W003434-032122</a>	3/21/2022	Partial Denial	Police Department		Neil Wager	Police Records	0.00	
<a href="#">W003435-032122</a>	3/21/2022	Partial Release	Police Department	Plymouth-Canton Community Schools	Principal, Pioneer Middle School Kevin Rhein	Police Records	0.00	
<a href="#">W003436-032222</a>	3/22/2022	Waiting for Payment	Police Department	Twin Arbors Apartments	Property Manager Chelsea Coleman	Police Records	0.80	
<a href="#">W003437-032222</a>	3/22/2022	Partial Release	Police Department		Mujtaba Iftikhar	Police Records	0.00	
<a href="#">W003439-032222</a>	3/22/2022	Partial Release	Police Department		Antoine Smith	Police Records	0.00	

Reference No	Create Date	Request Status	Assigned Dept	Company Name	Customer Full Name	Type of Information Requested	Total Fees Charged (\$)	Amount of Payment
<a href="#">W003440-032222</a>	3/22/2022	No Records Exist	Police Department		Mr NABIL SATER	Police Records	0.00	
<a href="#">W003441-032322</a>	3/23/2022	Partial Release	Police Department	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00	
<a href="#">W003442-032322</a>	3/23/2022	Partial Release	Police Department	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00	
<a href="#">W003443-032322</a>	3/23/2022	Partial Release	Police Department		Daniel Biedzen	EMS Report Police Records	0.00	
<a href="#">W003444-032322</a>	3/23/2022	Full Release	Police Department	LexisNexis	LexisNexis LEXIS NEXIS	Police Records	0.00	
<a href="#">W003445-032422</a>	3/24/2022	Partial Release	Police Department	LexisNexis	LexisNexis LEXIS NEXIS	Police Records	0.00	
<a href="#">W003446-032422</a>	3/24/2022	Partial Release	Police Department	Stacer, PLC	Andrew Stacer	Police Records	0.80	6.78
<a href="#">W003447-032522</a>	3/24/2022	Partial Release	Police Department		Mark Richardson	Police Records	0.00	
<a href="#">W003448-032522</a>	3/25/2022	Partial Release	Police Department		Jordan Wright	Police Records	0.00	
<a href="#">W003450-032822</a>	3/24/2022	Cost Estimate Sent	Police Department	Boulaheanis & Associates P.C.	Gregory Boulaheanis	Police Records	0.00	
<a href="#">W003456-032922</a>	3/29/2022	Partial Release	Police Department	Great Lakes Medical Laboratory	Human Resource Director Jeremy Delozier	Police Records	0.00	
<a href="#">W003457-032922</a>	3/29/2022	Partial Release	Police Department	Oak Haven MHC	Cara Czarnota	Police Records	0.00	
Total Requests: 35							14.39	Total Dollars: 103.29

BOARD DATE

4/12/2022

FUND NAME	FUND NUMBER	TOTAL INC PAYROLL	PAYROLL & INVOICES PAID PRIOR TO MEETING	INVOICES PAID AFTER BOARD REVIEW
GENERAL FUND	101	815,545.97	718,832.04	96,713.93
DRUG FORFEITURE	262	-	-	-
DRUG FORFEITURE	265	1,988.00	-	1,988.00
DRUG FORFEITURE	266	-	-	-
IMPROV. REV.	446	-	-	-
SENIOR TRANSPORTATION	588	3,852.45	3,852.45	-
WATER & SEWER	592	502,857.98	71,020.84	431,837.14
SWD	596	3,544.13	2,841.38	702.75
TAX POOL	703	-	-	-
POLICE BOND FUND	710	-	-	-
SPECIAL ASSESS CAPITAL	805	11,216.00	-	11,216.00
	TOTAL	<u>1,339,004.53</u>	<u>796,546.71</u>	<u>542,457.82</u>

GRAND TOTAL 1,339,004.53

BR 4/6/22 1/12

## Charter Township of Plymouth AP Invoice Listing - Board Report

### VENDOR INFORMATION

### INVOICE INFORMATION

<b>ACE-TEX ENTERPRISES</b>		<b>Invoice Amount:</b>	<b>\$280.35</b>
#ACE267650 3/16/22		<b>Check Date:</b>	<b>04/12/2022</b>
592-537-757.000	GARMENT FLANNEL RAGS		213.00
592-537-757.000	Shipping		67.35
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$93.25</b>
INV# 86518 ALTERATIONS / FOX		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-767.000	INV# 86452 ALTERATIONS		32.50
101-336-767.000	UNIFORM STARS		18.75
101-336-767.000	UNIFORM BUTTON GOLD LRG		30.00
101-336-767.000	UNIFORM BUTTONS GOLD SM		12.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$169.99</b>
INV# 86452 ALTERATIONS/ RANDALL		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-767.000	INV# 86452 ALTERATIONS		30.00
101-336-767.000	CHANGE BUTTONS TO GOLD		42.00
101-336-767.000	GOLD BRAID ROWS		30.00
101-336-767.000	GOLD STARS		8.00
101-336-767.000	GOLD BUCKLED FIRE BELT		59.99
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$170.00</b>
INV. 86442 3/11/2022 UNIFORM EQUIPMENT/CA		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-767.000	UNIFORM BOOTS		170.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$148.00</b>
INV. 86497 3/16/2022 UNIFORM EQUIPMENT/AS		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM BREAST BADGE		148.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$209.97</b>
INV. 86516 3/16/2022 UNIFORM EQUIPMENT/O		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM CARGO PANTS		209.97
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$266.48</b>
INV. 86517 3/16/2022 UNIFORM EQUIPMENT/O		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM SWEATER SPECIAL SIZE		126.49
101-301-767.000	UNIFORM JACKET		139.99
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$737.94</b>
INV. 86626 3/26/2022 UNIFORM EQUIPMENT/O		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM S/S SHIRT		99.98
101-301-767.000	UNIFORM TAPERING - SLEEVES		32.00
101-301-767.000	UNIFORM L/S SHIRT		103.98
101-301-767.000	UNIFORM BASE LAYER L/S W/LOGO		61.99
101-301-767.000	UNIFORM POLO SHIRT		49.99
101-301-767.000	UNIFORM BOOTS		390.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$145.00</b>
INV# 86584 UNIFORM SHOES / TACOMA		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-767.000	INV# 86584 UNIFORM SHOES		145.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$40.00</b>
INV. 86698 3/30/2022 UNIFORM EQUIPMENT/SA		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM PANT REPAIR		40.00
<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$699.99</b>
INV. 86691 3/30/2022 POINT BLANK HI LITE VES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	SERIAL 220000056513/220000056554		699.99

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION**

<b>ALLIE BROTHERS UNIFORMS</b>		<b>Invoice Amount:</b>	<b>\$109.98</b>
INV. 86690 3/30/2022 UNIFORM EQUIPMENT/OF		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-767.000	UNIFORM L/S SHIRT TDU		54.99
101-301-767.000	UNIFORM PANTS TDU		54.99
<b>ALPHAGRAPHS #336</b>		<b>Invoice Amount:</b>	<b>\$287.00</b>
BUSINESS CARDS - NEW LIEUTENANT, TWO NE		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	LIEUTENANT RYAN KREBS		75.00
101-301-752.000	SERGEANT JASON HAYES		106.00
101-301-752.000	SERGEANT SCOTT TIDERINGTON		106.00
<b>ALPHAGRAPHS #336</b>		<b>Invoice Amount:</b>	<b>\$477.75</b>
2022 SOLID WASTE LICENSE LABELS		<b>Check Date:</b>	<b>04/12/2022</b>
596-528-900.000	4"X4" SWD LICENSE LABELS #134633 - 1,000		477.75
<b>ALPHAGRAPHS #336</b>		<b>Invoice Amount:</b>	<b>\$35.75</b>
INV# 134751 BUSINESS CARDS PAT CONELY		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-752.000	INV# 134751 BUSINESS CARDS		35.75
<b>APOLLO FIRE EQUIPMENT</b>		<b>Invoice Amount:</b>	<b>\$940.00</b>
INV# 108346 GLOBE TECHNICAL 10" BOOT INM		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-767.000	INV# 108346 GLOBE TECHNICAL BOOT		940.00
<b>APOLLO FIRE EQUIPMENT</b>		<b>Invoice Amount:</b>	<b>\$53.08</b>
INV# 108414 COVER, LOWER G1 CARRIER/GUIN		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-757.000	INV# 108414 COVER, LOWER G1 CARRIER		42.50
101-336-757.000	UPS		10.58
<b>BATTERIES PLUS BULBS</b>		<b>Invoice Amount:</b>	<b>\$40.26</b>
INV # P49933928 BATTERIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-757.000	INV# P49933928 LITHIUM BATTERIES		40.26
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$921.05</b>
INV. 388629 3/25/2022 VEHICLE REPAIR/A39477		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	OIL CHANGE/REPLACE A/C COMPRESSOR		921.05
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$21.12</b>
INV. 388584 3/23/2022 VEHICLE REPAIR/C99805		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	PATCH TIRE		21.12
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$80.11</b>
INV. 388743 3/28/2022 VEHICLE REPAIR/129715		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	OIL CHANGE/REPLACE AIR FILTER		80.11
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$66.23</b>
INV. 388517 3/23/2022 VEHICLE REPAIR/B68428		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	OIL CHANGE		66.23
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$64.77</b>
INV. 388327 3/17/2022 VEHICLE REPAIR/A66875		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	THE WORKS OIL CHANGE		64.77
<b>BLACKWELL FORD INC.</b>		<b>Invoice Amount:</b>	<b>\$67.43</b>
INV. 388259 3/16/2022 VEHICLE REPAIR/A19647		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-863.000	THE WORKS OIL CHANGE		67.43

# Charter Township of Plymouth AP Invoice Listing - Board Report

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## VENDOR INFORMATION

## INVOICE INFORMATION

<b>BORNEMAN, DAVID L.L.C.</b> PRESCRIBED BURN AT TWP PARK - 3/17/22 101-751-821.000		<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$1,650.00</b> <b>04/12/2022</b> 1,650.00
<b>CDW GOVERNMENT INC</b> FIREWALL FOR PARK OFFICE - QUOTE MPNX195 101-261-831.000	<i>PRESCRIBED BURN AT TWP PARK - 3/17/22</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$576.88</b> <b>04/12/2022</b> 576.88
<b>CINTAS CORPORATION - 300</b> INV. 4114548431 3/25/2022 MAT SERVICE FOR 101-301-822.000	<i>Mats for pd</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$247.83</b> <b>04/12/2022</b> 247.83
<b>CODE SAVVY CONSULTANTS LLC</b> INV.#1958 BURGER KING SUPPRESSION PLAN R 101-371-801.000	<i>INV#1958 BURGER KING REVIEW</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$380.00</b> <b>04/12/2022</b> 380.00
<b>CODE SAVVY CONSULTANTS LLC</b> INV.#1942 BURROUGHS,SUITE B1-102 SPRINKLE 101-371-801.000	<i>INV#1942 SPRINKLER PLAN REVIEW</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$265.00</b> <b>04/12/2022</b> 265.00
<b>CODE SAVVY CONSULTANTS LLC</b> INV.#1923 SEMA SPRINKLER REVIEW 101-371-801.000	<i>INV#1923 SEMA SPRINKLER REVIEW</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$1,025.00</b> <b>04/12/2022</b> 1,025.00
<b>CORRIGAN OIL COMPANY</b> #7483978 3/22/22 592-537-759.000 592-537-759.000 592-537-759.000 592-537-759.000	<i>Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYDLSMIX</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$2,769.00</b> <b>04/12/2022</b> 9.75 9.95 1,829.00 920.30
<b>DELWOOD SUPPLY CO.</b> #2203-058868 3/15/22 592-537-757.000	<i>111 REGAL 1.6 CLOSET VALVE</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$304.20</b> <b>04/12/2022</b> 304.20
<b>DEVOTO, CLAUDIA</b> MILEAGE REIMBURSEMENT FEBRUARY 2022 101-253-861.000	<i>MILEAGE REIMBURSEMENT FEBRUARY 2022</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$8.78</b> <b>04/12/2022</b> 8.78
<b>EJ USA, INC.</b> 5" STORZ AND 3 3/4" DFD NOZ #00496481 2022 592-537-757.000 592-537-757.000	<i>STEAMER NOZZLES FOR EAST JORDAN FIRE H FRIEGHT</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$2,623.40</b> <b>04/12/2022</b> 2,558.40 65.00
<b>ETNA SUPPLY</b> #2104447469 3/2/22 592-537-757.000	<i>FOR WATER MAIN REPAIRS</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$831.00</b> <b>04/12/2022</b> 831.00
<b>ETNA SUPPLY</b> 3/17/22 S104470663.001 592-537-757.000	<i>REED HF HAMMER FLARING TOOL</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$38.00</b> <b>04/12/2022</b> 38.00
<b>ETNA SUPPLY</b> S104460030 3/10/22 592-537-757.000	<i>3/10/22</i>	<b>Invoice Amount:</b> <b>Check Date:</b>	<b>\$10,348.00</b> <b>04/12/2022</b> 10,348.00

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

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## INVOICE INFORMATION

<b>ETNA SUPPLY</b>			<b>Invoice Amount:</b>	<b>\$2,790.00</b>
FEBRUARY QUOTE #S104425188 2/14/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-757.000	QUOTE			2,790.00
<b>ETNA SUPPLY</b>			<b>Invoice Amount:</b>	<b>\$665.00</b>
S104460030 3/10/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-757.000	3/10/22			665.00
<b>ETNA SUPPLY</b>			<b>Invoice Amount:</b>	<b>\$3,630.00</b>
S104460030 3/10/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-757.000	3/10/22			3,630.00
<b>FASTENAL COMPANY</b>			<b>Invoice Amount:</b>	<b>\$67.00</b>
#117551 3/11/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-757.000	HCSS/8-11X4 G5 Z			56.80
592-537-757.000	5/8"-11 FHNZ 5			10.20
<b>FEDEX</b>			<b>Invoice Amount:</b>	<b>\$66.65</b>
INV. 7-700-46462 3/23/2022 PACKAGE SHIPPED			<b>Check Date:</b>	<b>04/12/2022</b>
101-301-851.000	SAFE FLEET/SARAH DRIELTS			66.65
<b>FEDEX</b>			<b>Invoice Amount:</b>	<b>\$89.55</b>
INV. 7-693-21211 3/16/2022 TWO PACKAGES S			<b>Check Date:</b>	<b>04/12/2022</b>
101-301-851.000	SAFE FLEET/SARAH DRIELTS			49.87
101-301-851.000	SAFE FLEET/LT. KREBS			39.68
<b>FELLRATH, PATRICK</b>			<b>Invoice Amount:</b>	<b>\$138.06</b>
MILEAGE REIMBURSEMENT MARCH 2022			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-861.000	MILEAGE REIMBURSEMENT MARCH 2022			138.06
<b>Ferguson Waterworks</b>			<b>Invoice Amount:</b>	<b>\$18,659.40</b>
METER QUOTE BID DATE 1/7/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-787.000	NEC2ARPHG11 2T/F COMPD MTR P/C USG PIT			18,659.40
<b>Ferguson Waterworks</b>			<b>Invoice Amount:</b>	<b>\$989.00</b>
METER QUOTE BID DATE 1/7/22			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-787.000	FC38442625NL LF 1X2 5/8 MIP STRT MTR COU			989.00
<b>FIRE SERVICE MANAGEMENT</b>			<b>Invoice Amount:</b>	<b>\$140.00</b>
INV # 25385 REPAIR/CLEANING TACOMA WORK			<b>Check Date:</b>	<b>04/12/2022</b>
101-336-767.000	INV # 25385 REPAIR AND CLEANING PANTS			140.00
<b>FIRING LINE</b>			<b>Invoice Amount:</b>	<b>\$1,988.00</b>
INV. 2247 3/24/2022 HOLSTERS			<b>Check Date:</b>	<b>04/12/2022</b>
265-311-779.000	BLACKHAWK T-SERIES - BH-44NF00BKL			710.00
265-311-779.000	BLACKHAWK T-SERIES - BH-44NF00BKR			1,278.00
<b>GDI Services Inc.</b>			<b>Invoice Amount:</b>	<b>\$2,686.00</b>
INV#MIINV20209048 MARCH TOWNSHIP HALL C			<b>Check Date:</b>	<b>04/12/2022</b>
101-301-822.000	INV#MIINV20209048 MAR. POLICE			1,181.84
101-336-822.000	INV#MIINV20209048 MAR. FIRE			107.44
101-265-822.000	INV#MIINV20209048 MAR BLD/GROUNDS			1,396.72
<b>GDI Services Inc.</b>			<b>Invoice Amount:</b>	<b>\$416.00</b>
INV#MIINV20209050 MARCH DPW CLEANING			<b>Check Date:</b>	<b>04/12/2022</b>
592-537-822.000	INV#MIINV20209050 MAR. DPW CLEANING			416.00

# Charter Township of Plymouth

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<b>GDI Services Inc.</b> INV#MIINV20209049 MARCH CLEANING FRIEND 101-673-822.000	<b>Invoice Amount:</b> \$273.00 <b>Check Date:</b> 04/12/2022 273.00
<b>GFL Environmental USA, Inc.</b> #0054552777 DPW RECYCLE CENTER 596-528-816.000	<b>Invoice Amount:</b> \$225.00 <b>Check Date:</b> 04/12/2022 225.00
<b>GRAINGER, W.W., INC.</b> #9244878022 3/15/22 592-537-767.000	<b>Invoice Amount:</b> \$131.10 <b>Check Date:</b> 04/12/2022 131.10
<b>GRAINGER, W.W., INC.</b> 9244878014 3/15/22 592-537-767.000 592-537-767.000	<b>Invoice Amount:</b> \$767.12 <b>Check Date:</b> 04/12/2022 512.16 254.96
<b>GRAINGER, W.W., INC.</b> 9245097069 3/15/22 592-537-767.000	<b>Invoice Amount:</b> \$128.04 <b>Check Date:</b> 04/12/2022 128.04
<b>GRAINGER, W.W., INC.</b> 9246228416 3/15/22 592-537-767.000	<b>Invoice Amount:</b> \$131.10 <b>Check Date:</b> 04/12/2022 131.10
<b>Great Lakes Ace Hardware</b> INV # 7841/876 - PARKS - SUPPLIES FOR EAGLE 101-751-757.000	<b>Invoice Amount:</b> \$88.27 <b>Check Date:</b> 04/12/2022 88.27
<b>Great Lakes Ace Hardware</b> INV # 7854/876 EASY FIND 5C SQUARE 101-336-757.000	<b>Invoice Amount:</b> \$7.21 <b>Check Date:</b> 04/12/2022 7.21
<b>Great Lakes Water Authority</b> GLWA - INDUSTRIAL WASTE CONTROL BILL 02/0 592-538-827.000	<b>Invoice Amount:</b> \$136.29 <b>Check Date:</b> 04/12/2022 136.29
<b>Great Lakes Water Authority</b> GLWA - JAN 2022 WATER USAGE (WITH ESCRO 592-538-829.000 592-538-829.000 101-000-256.000	<b>Invoice Amount:</b> \$338,230.76 <b>Check Date:</b> 04/12/2022 119,630.76 234,100.00 (15,500.00)
<b>HAMMYE, AMY</b> MARCH 2022 MILEAGE REIMBURSEMENT 101-253-861.000	<b>Invoice Amount:</b> \$124.61 <b>Check Date:</b> 04/12/2022 124.61
<b>HUBBELL, ROTH, &amp; CLARK, INC.</b> ERP - BILLING ENDING 02/19/22 592-537-803.000	<b>Invoice Amount:</b> \$1,869.34 <b>Check Date:</b> 04/12/2022 1,869.34
<b>HUBBELL, ROTH, &amp; CLARK, INC.</b> WATER SYSTEM HYDRAULIC MODEL ENDING 02/ 592-537-803.000	<b>Invoice Amount:</b> \$372.36 <b>Check Date:</b> 04/12/2022 372.36
<b>HUMANÉ SOCIETY OF HURON VALLEY</b> INV. 202203 3/31/2022 STRAY IMPOUND SERVIC	<b>Invoice Amount:</b> \$175.00 <b>Check Date:</b> 04/12/2022

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## VENDOR INFORMATION

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	101-301-836.000	STRAY IMPOUND SERVICES	175.00
<b>Huron Valley Guns, LLC</b>		<b>Invoice Amount:</b>	<b>\$360.00</b>
INV. 204658 3/15/2022 MUZZLE REPLACEMENT		<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-931.000	MUZZLE REPLACEMENT	360.00
<b>IDEAL CALIBRATIONS</b>		<b>Invoice Amount:</b>	<b>\$136.50</b>
INV # 4183 FIXED FLOW REGULATOR C 10 0.5LP		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-757.000	FIXED FLOW REGULATOR NICKEL PLATED BRA	136.50
<b>IDEAL CALIBRATIONS</b>		<b>Invoice Amount:</b>	<b>\$972.00</b>
INV # 4137 NEW MONITOR MICRO RAE 4-GAS/		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-757.000	INV #4137 MICRO RAE 4-GAS	766.00
	101-336-757.000	REFILLABLE ALUMINUM CALIBRATION GAS CY	206.00
<b>IMEG Corp.</b>		<b>Invoice Amount:</b>	<b>\$1,726.29</b>
PROFESSIONAL SERVICES FROM JANUARY 1, 202		<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-831.000	LABOR	1,470.00
	592-537-831.000	REIMBURSABLES	256.29
<b>IRON MOUNTAIN</b>		<b>Invoice Amount:</b>	<b>\$255.81</b>
IRON MOUNTAIN		<b>Check Date:</b>	<b>04/12/2022</b>
	101-215-801.000	OFFSITE STORAGE 04/01/2022-04/30/2022	255.81
<b>J &amp; B MEDICAL SUPPLY INC</b>		<b>Invoice Amount:</b>	<b>\$23.36</b>
ORDER # 650258		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-773.000	MEDICUT EMT SHEARS, 7-1/4", RED	23.36
<b>KNIGHT TECHNOLOGY GROUP, INC.</b>		<b>Invoice Amount:</b>	<b>\$350.00</b>
TECH SUPPORT - EXCHANGE SERVER SECURITY		<b>Check Date:</b>	<b>04/12/2022</b>
	101-261-831.000	TECH SUPP -EXCHANGE SVR PATCHES	350.00
<b>KONICA MINOLTA BUSINESS SOLUTIONS</b>		<b>Invoice Amount:</b>	<b>\$90.43</b>
INV. 9008481281 3/25/2022 MAINT. AGREEMEN		<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-934.000	2/26/2022 - 3/25/2022 COVERAGE DATES	90.43
<b>KONICA MINOLTA BUSINESS SOLUTIONS</b>		<b>Invoice Amount:</b>	<b>\$1.46</b>
PRINTER - ASSESSOR - INV # 278504060 - FEB 2		<b>Check Date:</b>	<b>04/12/2022</b>
	101-257-934.000	INV # 278504060- FEB 2022 USAGE (ASSESS)	1.46
<b>MACP</b>		<b>Invoice Amount:</b>	<b>\$1,000.00</b>
INV. 200009754 3/14/2022 MACP STATE ACCRED		<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-957.000	LEVEL C - CONTINUATION FEE - 3RD EXT	1,000.00
<b>MAPLES ENVIRONMENTAL PEST CONTROL</b>		<b>Invoice Amount:</b>	<b>\$175.00</b>
QUARTERLY PEST CONTROL SENIOR CENTER		<b>Check Date:</b>	<b>04/12/2022</b>
	101-673-823.000	QUARTERLY PEST CONTROL SENIOR CENTER	175.00
<b>Marquis Food Service, Inc.</b>		<b>Invoice Amount:</b>	<b>\$53.00</b>
INV. 10041 3/11/2022 PRISONER MEALS		<b>Check Date:</b>	<b>04/12/2022</b>
	101-351-801.000	BREAKFAST SANDWICHES	48.00
	101-351-801.000	DELIVERY	5.00
<b>Marquis Food Service, Inc.</b>		<b>Invoice Amount:</b>	<b>\$85.00</b>
INV. 10055 3/25/2022 PRISONER MEALS		<b>Check Date:</b>	<b>04/12/2022</b>
	101-351-801.000	TURKEY SUBS W/CHEESE	80.00
	101-351-801.000	DELIVERY	5.00

# Charter Township of Plymouth

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**VENDOR INFORMATION****INVOICE INFORMATION**

<b>MIDWEST POWER SYSTEMS INC.</b> NORTHVILLE ROAD PRV PROJECT FINAL 592-537-970.000	<b>Invoice Amount:</b> \$5,860.75 <b>Check Date:</b> 04/12/2022 NORTHVILLE ROAD PRV PROJECT PAYMENT N 5,860.75
<b>MELOW, STEVE</b> PARKING REIMBURSEMENT FOR LANSING EXPO 592-537-861.000	<b>Invoice Amount:</b> \$10.00 <b>Check Date:</b> 04/12/2022 REIMBURSEMENT PARKING 10.00
<b>ELECTION SOURCE</b> ROLLING BALLOT BAGS 101-262-752.000 101-262-752.000	<b>Invoice Amount:</b> \$755.63 <b>Check Date:</b> 04/12/2022 CANVAS BALLOT BAGS 687.00 SHIPPING 68.63
<b>MICHIGAN APCO</b> INV. 2022-23 3/7/2022 MICHIGAN PUBLIC SAFET 101-325-958.000 101-325-958.000 101-325-958.000	<b>Invoice Amount:</b> \$1,350.00 <b>Check Date:</b> 04/12/2022 PSA MELANIE TURELEY - 2 DAY CONFERENCE 450.00 CYNTHIA FELL - 2 DAY CONFERENCE 450.00 SHANNON RICHARDSON - 2 DAY CONFERENCE 450.00
<b>MICHIGAN LINEN SERVICE</b> INV. 465416 3/17/2022 PRISONER BLANKET CLE 101-351-822.000 101-351-822.000 101-351-822.000	<b>Invoice Amount:</b> \$22.50 <b>Check Date:</b> 04/12/2022 BLANKET CLEANING 10.50 ENVIRONMENTAL FEE 8.00 TEMPORARY FUEL SURCHARGE 4.00
<b>MICHIGAN LINEN SERVICE</b> UNIFORMS 3/18/22 #465473 592-537-767.000	<b>Invoice Amount:</b> \$88.35 <b>Check Date:</b> 04/12/2022 3/18/22 88.35
<b>MICHIGAN LINEN SERVICE</b> UNIFORMS 3/25/22 #465884 592-537-767.000	<b>Invoice Amount:</b> \$88.35 <b>Check Date:</b> 04/12/2022 3/25/22 88.35
<b>MICHIGAN LINEN SERVICE</b> INV. 465822 3/24/2022 PRISONER BLANKET CLE 101-351-822.000 101-351-822.000 101-351-822.000	<b>Invoice Amount:</b> \$57.50 <b>Check Date:</b> 04/12/2022 BLANKET CLEANING 45.50 ENVIRONMENTAL FEE 8.00 TEMPORARY FUEL SURCHARGE 4.00
<b>MI Communication Directors Assoc.</b> INV. MCDATRN01 3/25/2022 2022 DIRECTOR TR 101-325-958.000 101-325-958.000 101-325-958.000	<b>Invoice Amount:</b> \$897.00 <b>Check Date:</b> 04/12/2022 COMMUNICATIONS SUPERVISOR CINDY FELL 299.00 PSA ANDREA BOSWORTH 299.00 PSA KYLE SPAULDING 299.00
<b>Miracle Playsystems, LLC</b> ADA PLAYSCAPE REPAIR MATERIALS INV# MF20 101-751-930.000	<b>Invoice Amount:</b> \$385.00 <b>Check Date:</b> 04/12/2022 INV# MF2021-0046 385.00
<b>MOTOROLA SOLUTIONS, INC.</b> INV. 8230360283 3/3/2022 SERVICE RENEWAL A 101-325-801.000	<b>Invoice Amount:</b> \$21,374.00 <b>Check Date:</b> 04/12/2022 SERVICE PERIOD 4/1/2022 - 3/31/2023 YR 3 21,374.00
<b>SF MOBILE-VISION, INC.</b> INV. 46261 3/31/2022 EXTRA MAGNET HOLDER 101-301-767.000 101-301-767.000	<b>Invoice Amount:</b> \$1,905.00 <b>Check Date:</b> 04/12/2022 BW-100 BODY-WORN CAMERA MAG CLIP 1,890.00 SHIPPING 15.00

# Charter Township of Plymouth

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<b>OAKLAND COMMUNITY COLLEGE</b>		<b>Invoice Amount:</b>	<b>\$325.00</b>
INV. 117086 3/4/2022 "IS THE CALLER THE KILL		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-958.000	PSA TRACY RODRIGUEZ		325.00
<b>OBSERVER &amp; ECCENTRIC NEWSPAPERS</b>		<b>Invoice Amount:</b>	<b>\$76.02</b>
0004459099 - NOTICE		<b>Check Date:</b>	<b>04/12/2022</b>
101-215-901.000	0004459099 CANTON APA PUBLIC HEARING		38.01
101-215-901.000	0004459099 PLYMOUTH APA PUBLIC HEARING		38.01
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$37.47</b>
INV. 235104667001 3/23/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	YELLOW ENVELOPES		37.47
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$82.35</b>
INV. 235105325001 3/22/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	OFFICERS NOTEBOOKS		82.35
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$94.95</b>
SUPPLIES FOR BOARD PACKETS & SUPERVISOR		<b>Check Date:</b>	<b>04/12/2022</b>
101-751-752.000	#5474036 - PRINTER CARTRIDGE - PARKS		44.89
101-215-752.000	#0347005 - PAPER FOR BOARD PACKETS		50.06
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$21.89</b>
SUPPLIES FOR BOARD PACKETS & SUPERVISOR		<b>Check Date:</b>	<b>04/12/2022</b>
101-171-752.000	#TOP20260 - WRITING PADS-YELLOW		21.89
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$61.69</b>
OFFICE SUPPLIES FOR SUPERVISOR & PARKS IN		<b>Check Date:</b>	<b>04/12/2022</b>
101-171-752.000	#0681268 - ROUND KEY TAGS		7.38
101-751-752.000	#7315653 - COLOR PRINTER CART - PARKS		54.31
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$111.87</b>
INV. 233324745001 3/17/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	CLASP ENVELOPES		15.00
101-301-752.000	MINI BINDER CLIPS		4.12
101-301-752.000	SMALL BINDER CLIPS		2.22
101-301-752.000	CD ENVELOPES		28.49
101-301-752.000	CD-R VERBATIM		25.92
101-301-752.000	DVD-R 4.7GB		36.12
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$35.98</b>
INV. 233325448001 3/16/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	G21 BLACK PENS		35.98
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$38.85</b>
INV. 233703899001 3/16/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	ROUND KEY TAGS		10.39
101-301-752.000	SCOTCH TAPE		13.70
101-301-752.000	CUSHION PACKAGING		14.76
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$30.49</b>
INV. 233703352001 3/15/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-752.000	BANDAIDS		6.61
101-301-752.000	LEGAL PADS		9.09
101-301-752.000	CALCULATOR		14.79

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION**

<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$15.68</b>
INV. 230779856001 2/28/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-752.000	PROFILE PENS		15.68
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$35.34</b>
INV. 229293448001 3/2/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-752.000	DUSTER (CANNED AIR)		35.34
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$18.09</b>
INV. 229297776001 3/3/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-752.000	SCOTCH TAPE		18.09
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$62.59</b>
INV. 228913033001 3/9/2022 OFFICE SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
101-325-757.000	DISINFECTANT WIPES		62.59
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$127.85</b>
MARCH SUPPLIES		<b>Check Date:</b>	<b>04/12/2022</b>
592-536-752.000	11X17 BINDER		97.16
592-536-752.000	SHEET PROTECTORS 11X17		30.69
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$(58.98)</b>
CREDIT - ITEM 623907 BINDER DLX RETURNED		<b>Check Date:</b>	<b>04/12/2022</b>
592-536-752.000	CREDIT - RETURNED BINDERS		(58.98)
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$(29.49)</b>
CREDIT - ITEM 623907 BINDER DLX		<b>Check Date:</b>	<b>04/12/2022</b>
592-536-752.000	CREDIT - RETURNED BINDERS		(29.49)
<b>OFFICE DEPOT</b>		<b>Invoice Amount:</b>	<b>\$42.18</b>
PORTFOLIO/ PADS/ STICKY NOTES /HIGHLIGHT		<b>Check Date:</b>	<b>04/12/2022</b>
101-215-752.000	FAUX LEATHER PORTFOLIO		42.18
<b>Z. Plumberz North America, LLC.</b>		<b>Invoice Amount:</b>	<b>\$250.00</b>
INV # 16679 REPLACE SHOWER CARTRIDGE		<b>Check Date:</b>	<b>04/12/2022</b>
101-336-930.000	INV # 16679 REPLACED SHOWER CARTRIDGE		250.00
<b>PROVANTAGE, LLC</b>		<b>Invoice Amount:</b>	<b>\$1,805.00</b>
PARK CRADLEPOINT NETWORK DEVICE - QUOTE		<b>Check Date:</b>	<b>04/12/2022</b>
101-261-831.000	CRADLEPOINT E3000 BF01-30005GB-GN 1 YR		1,805.00
<b>PUBLIC AGENCY TRAINING COUNCIL</b>		<b>Invoice Amount:</b>	<b>\$975.00</b>
INV. 261195 3/7/2022 FORENSIC PATHOLOGY F		<b>Check Date:</b>	<b>04/12/2022</b>
101-301-958.000	OFFICER DREJEWSKI		325.00
101-301-958.000	OFFICER MCLEAN		325.00
101-301-958.000	DETECTIVE WARRING		325.00
<b>R.D.REOME COMPANY</b>		<b>Invoice Amount:</b>	<b>\$349.00</b>
MAINTENANCE AGREEMENT 3/15/22 #11408 IR		<b>Check Date:</b>	<b>04/12/2022</b>
592-536-934.000	CANON MAINT. AGG 3/21/22 TO 3/21/23		349.00
<b>SENIOR ALLIANCE, THE</b>		<b>Invoice Amount:</b>	<b>\$2,224.00</b>
FY 2022 COMMUNITY MATCH FOR AREA AGENCY		<b>Check Date:</b>	<b>04/12/2022</b>
101-101-957.000	FY 2022 COMMUNITY MATCH		2,224.00
<b>SHADD ALLEN WHITEHEAD</b>		<b>Invoice Amount:</b>	<b>\$2,250.00</b>
INV # 201 3 TRAINING CLASSES		<b>Check Date:</b>	<b>04/12/2022</b>

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

## VENDOR INFORMATION

## INVOICE INFORMATION

	101-336-958.000	INV # 201 TRAINING CLASSES	2,250.00
<b>SIRCHIE FINGER PRINT LAB</b>		<b>Invoice Amount:</b>	<b>\$23.32</b>
INV. 0536115-IN 3/17/2022 EVIDENCE COLLECTI		<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-757.000	OMEGA PRINT FUMING COMPOUND	23.32
<b>SMITH, CHRISTOPHER</b>		<b>Invoice Amount:</b>	<b>\$340.00</b>
TUITION REIMBURSEMENT / SMITH		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-958.000	TUITION REIMBURSEMENT	340.00
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>		<b>Invoice Amount:</b>	<b>\$48,164.75</b>
MARCH 2022 INVOICES FOR FEBRUARY 2022 SE		<b>Check Date:</b>	<b>04/12/2022</b>
	101-261-803.000	#89988-PLY TWP ENGINEERING MTGS 2022	500.00
	592-537-970.000	#90001-2021 CIPP SEWER LINING	9,088.00
	805-444-974.022	#90002-2022 SIDEWALK REPLACEMENT PROG	11,216.00
	592-537-970.000	#90007 -VACTOR PAD AND GRADING	4,692.75
	592-537-970.000	#90010-2022 CIPP SEWER LINING	342.00
	101-261-803.000	#90012-COMCAST 46665 FIVE MI - METRO AC	127.00
	101-261-803.000	#90013-PLY TWP ENG. TASKS 2022	2,095.50
	101-441-970.000	#90014-2022 SIDEWALK GAPS	11,316.00
	592-536-831.000	#90016-GIS--WATER & SEWER	3,596.40
	101-257-831.000	#90016-GIS--ASSESSING	599.40
	101-371-831.000	#90016-GIS--BUILDING	1,198.80
	101-261-831.000	#90016-GIS--TOWNSHIP	599.40
	101-261-803.000	#90017-COMCAST-41999 AA RD METRO ACT	682.50
	101-261-803.000	#90018-COMCAST-45854 MASDT ST-METRO A	787.00
	101-261-803.000	#90022-COMCAST-47700 HALYARD-METRO AC	434.00
	101-261-803.000	#90019-COMCAST-15000 EHINES DR-METRO A	466.00
	101-261-803.000	#90020-COMCAST-44675 HELM ST-METRO AC	424.00
<b>TELEFLEX LLC</b>		<b>Invoice Amount:</b>	<b>\$109.50</b>
INV# 9505247171 EZ-STABILIZER 9066-VC-005		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-773.000	INV# 9505247171 EZ-STABILIZER	100.00
	101-336-773.000	FREIGHT	9.50
<b>Tyler Technologies, Inc.</b>		<b>Invoice Amount:</b>	<b>\$2,181.90</b>
INV # 025-370638 1 YR MAINT CONTRACT MOB		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-831.000	INV# 025-370638 5-22 TO APR 23 MOBIL EYE	2,181.90
<b>TOWN LOCKSMITH</b>		<b>Invoice Amount:</b>	<b>\$110.00</b>
INV # 58350 REPAIR LOCK AT STA 2		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-930.000	INV # 58350 FIX LOCK AT STA 2	110.00
<b>TOWN LOCKSMITH</b>		<b>Invoice Amount:</b>	<b>\$343.90</b>
INV # 56494 REPLACE LOCK AND INSTALL DEA		<b>Check Date:</b>	<b>04/12/2022</b>
	101-336-930.000	INV # 56494 REPLACE LOCK /INSTALL DEADB	150.00
	101-336-930.000	DEADBOLT	34.90
	101-336-930.000	PARTS	159.00
<b>TOWN LOCKSMITH</b>		<b>Invoice Amount:</b>	<b>\$141.50</b>
INV. 58593 3/23/2022 SERVICE TRIP		<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-752.000	REPLACE BROKEN CYLINDER ON FILING CABIN	115.00
	101-301-752.000	HON LOCK CORE	10.00
	101-301-752.000	KEYS	16.50
<b>SIMPLIFILE, LC</b>		<b>Invoice Amount:</b>	<b>\$48.25</b>
WATER LEIN PAYOFF 42514 HAMMIL		<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-969.000	PACKET PAYOFF 42514 HAMMIL	48.25

# Charter Township of Plymouth AP Invoice Listing - Board Report

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## VENDOR INFORMATION

## INVOICE INFORMATION

<b>USA BLUEBOOK</b>			<b>Invoice Amount:</b>	<b>\$405.11</b>
#909601 3/14/22			<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-757.000	47159		96.40
	592-537-757.000	47158		96.40
	592-537-757.000	44059		115.90
	592-537-757.000	FREIGHT		96.41
<b>W.J.O'NEIL COMPANY</b>			<b>Invoice Amount:</b>	<b>\$789.06</b>
INV. 41042 3/21/2021 POLICE DEPT BUILDING I			<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-930.000	REPLACE ORANGE VAV BOX		789.06
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$40.19</b>
WC INSPECTIONS INV# 303293			<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-938.000	WC INSPECTIONS INV# 303293		40.19
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$59.24</b>
WC INSPECTIONS INV# 303250			<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-938.000	WC INSPECTIONS INV# 303250		59.24
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$117.56</b>
WC INSPECTIONS INV#293272			<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-938.000	WC INSPECTIONS INV#293272		117.56
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$420.00</b>
INV. 310138 03/18/2022 JANUARY 2022 PRISON			<b>Check Date:</b>	<b>04/12/2022</b>
	101-351-839.000	JANUARY PRISONER HOUSING		420.00
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$226.40</b>
2/2022 TRAFFIC SIGNAL ENERGY INVOICE # 10			<b>Check Date:</b>	<b>04/12/2022</b>
	101-441-923.000	2/2022 TRAF. SIG. ENERGY IN # 1011026		226.40
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$607.89</b>
JAN 2021 TRAFFIC SIGNAL MAINTENANCE INVOI			<b>Check Date:</b>	<b>04/12/2022</b>
	101-441-923.000	TRAF SIG MAINTENANCE 1/2021		607.89
<b>WAYNE COUNTY</b>			<b>Invoice Amount:</b>	<b>\$175.00</b>
INV. 310030 03/03/2022 DECEMBER 2021 PRISO			<b>Check Date:</b>	<b>04/12/2022</b>
	101-351-839.000	DECEMBER PRISONER HOUSING		175.00
<b>WCA ASSESSING</b>			<b>Invoice Amount:</b>	<b>\$26,599.50</b>
APPRAISAL SERVICES RENDERED - APRIL 2022			<b>Check Date:</b>	<b>04/12/2022</b>
	101-257-801.000	Appraisal Services Rendered (Contract)		26,442.83
	101-257-801.000	Co-Star Services		156.67
<b>Thomas Reuters -WEST PAYMENT CENTER</b>			<b>Invoice Amount:</b>	<b>\$760.55</b>
INV. 845933059 3/1/2022 WEST INFORMATION			<b>Check Date:</b>	<b>04/12/2022</b>
	101-301-831.000	FEBRUARY 1-28 2022 CLEAR LAW ENF PLUS		113.15
	101-301-831.000	FEB 1-28 2022 CLEAR LICENSE PLATE READER		647.40
<b>Yeo &amp; Yeo, PC</b>			<b>Invoice Amount:</b>	<b>\$5,850.00</b>
FY2021 AUDIT PROGRESS BILLING - SERVICES T			<b>Check Date:</b>	<b>04/12/2022</b>
	101-261-801.000	FY2021 AUDIT -FEB & MAR PROGRESS INVOIC		5,400.00
	101-171-805.000	ECTOHR RESEARCH & CORR - HEALTHCARE IN		450.00
<b>Detroit Shields</b>			<b>Invoice Amount:</b>	<b>\$90.00</b>
INV# 3202201 FF SHIELD, LT SHIELD, FIRE CHIE			<b>Check Date:</b>	<b>04/12/2022</b>

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION**

	101-336-767.000	INV# 3202201 FF SHIELD	30.00
	101-336-767.000	LT SHIELD	30.00
	101-336-767.000	FIRE CHIEF SHIELD	30.00
<b>BAYVIEW ELECTRIC COMPANY LLC</b>		<b>Invoice Amount:</b>	<b>\$185.00</b>
PERMIT REFUND PE22-0056		<b>Check Date:</b>	<b>04/12/2022</b>
	101-371-964.000	PERMIT REFUND PE22-0056	185.00
<b>JOHN DEMATTIA</b>		<b>Invoice Amount:</b>	<b>\$1,485.00</b>
PERMIT REFUND PB21-1138 JOHN DEMATTIA CO		<b>Check Date:</b>	<b>04/12/2022</b>
	101-371-964.000	PERMIT REFUND PB21-1138	1,485.00
<b>DISCOVER PLUMBING</b>		<b>Invoice Amount:</b>	<b>\$376.00</b>
PERMIT REFUND PP21-0129		<b>Check Date:</b>	<b>04/12/2022</b>
	101-371-964.000	PERMIT REFUND PP21-0129	376.00
<b>DISCOVER PLUMBING</b>		<b>Invoice Amount:</b>	<b>\$20.00</b>
PERMIT REFUND PM21-0363		<b>Check Date:</b>	<b>04/12/2022</b>
	101-371-964.000	PERMIT REFUND PM21-0363	20.00
<b>ALLIED SIGNS INC.</b>		<b>Invoice Amount:</b>	<b>\$135.00</b>
REFUND PERMITS PB22-0088 AND PB22-0089		<b>Check Date:</b>	<b>04/12/2022</b>
	101-371-964.000	PERMIT REFUND	135.00
<b>PLYMOUTH COMMERCIAL CENTER, LLC</b>		<b>Invoice Amount:</b>	<b>\$3,471.00</b>
REFUND - PSW22-0002 - 15015 BECK ROAD 78-0		<b>Check Date:</b>	<b>04/12/2022</b>
	592-537-964.000	REFUND	3,471.00
<b>Total Amount to be Disbursed:</b>			<b>\$542,457.82</b>

# Charter Township of Plymouth AP Invoice Listing - Board Report

Weekly 4/13/22

## VENDOR INFORMATION

## INVOICE INFORMATION

<b>A T &amp; T</b>		<b>Invoice Amount:</b>	<b>\$436.70</b>
FEBRUARY 2022 PAYMENT - ACCT. 734-453-4461		<b>Check Date:</b>	<b>04/06/2022</b>
101-336-850.000	Fire		148.47
101-673-850.000	Twp. Hall		34.94
101-751-850.000	Parks		34.94
592-537-850.000	DPW		218.35
<b>BUONO, DUANE</b>		<b>Invoice Amount:</b>	<b>\$6,362.50</b>
MARCH 2022 MECHANICAL INSPECTOR PAY		<b>Check Date:</b>	<b>04/06/2022</b>
101-371-801.000	MARCH 2022 MECH. INSP. PAY		6,362.50
<b>COMCAST</b>		<b>Invoice Amount:</b>	<b>\$192.20</b>
HIGH SPEED INTERNET - TOWNSHIP PARK APRIL		<b>Check Date:</b>	<b>04/06/2022</b>
101-751-852.000	TWP PARK PAV INTERNET 4/22		192.20
<b>COMCAST</b>		<b>Invoice Amount:</b>	<b>\$131.90</b>
COMCAST HIGH SPEED INTERNET MAY 2022 - 99		<b>Check Date:</b>	<b>04/06/2022</b>
101-261-852.000	HIGH SPEED INTERNET - 5/22		131.90
<b>DTE ENERGY</b>		<b>Invoice Amount:</b>	<b>\$5,476.28</b>
STREET LIGHTS - MARCH 2022 -- ACCT # 9100-4		<b>Check Date:</b>	<b>04/06/2022</b>
101-441-923.000	STREET LIGHTS - MARCH 2022		5,476.28
<b>Flis, Joe</b>		<b>Invoice Amount:</b>	<b>\$630.00</b>
MARCH 2022 ELECTRICAL INSPECTOR PAY		<b>Check Date:</b>	<b>04/06/2022</b>
101-371-801.000	MARCH 2022 ELECT. INSP. PAY		630.00
<b>HEILEMAN, JAMES</b>		<b>Invoice Amount:</b>	<b>\$5,705.50</b>
MARCH 2022 ELECTRICAL INSPECTOR PAY HEILE		<b>Check Date:</b>	<b>04/06/2022</b>
101-371-801.000	MARCH 2022 ELECT. INSP. PAY HEIL.		5,705.50
<b>MUNSON, STEVE</b>		<b>Invoice Amount:</b>	<b>\$1,342.00</b>
MARCH 2022 PLUMBING INSPECTOR PAY		<b>Check Date:</b>	<b>04/06/2022</b>
101-371-801.000	MARCH 2022 PLUM. INSP. PAY		1,342.00
<b>PLYMOUTH POSTMASTER</b>		<b>Invoice Amount:</b>	<b>\$1,350.00</b>
WATER BILL POSTAGE - PERMIT #218 APRIL		<b>Check Date:</b>	<b>04/06/2022</b>
592-536-851.000	PERMIT #218 APRIL 2022 POSTAGE		1,350.00
<b>SIMPLIFILE, LC</b>		<b>Invoice Amount:</b>	<b>\$57.25</b>
BD Bond Refund		<b>Check Date:</b>	<b>04/06/2022</b>
101-371-283.015	BLE21-0007		57.25
<b>VERIZON WIRELESS</b>		<b>Invoice Amount:</b>	<b>\$1,346.82</b>
APRIL 2022- WIRELESS BILLING ACCT #2 MI D		<b>Check Date:</b>	<b>04/06/2022</b>
592-537-850.000	DPW		768.76
101-228-850.000	INFO SERVICES WIRELESS DEVICES		0.23
101-336-850.000	FIRE WIRELESS DEVICES		200.05
101-751-850.000	PARK FOREMAN WIRELESS DEVICE IPAD		40.01
588-596-850.000	FRIENDSHIP STATION		105.98
101-325-850.000	DISPATCH		141.39
596-528-850.000	SOLID WASTE		49.93
101-371-850.000	BUILDING INSPECTOR		40.47
<b>VERIZON WIRELESS</b>		<b>Invoice Amount:</b>	<b>\$896.41</b>
APRIL 2022-- WIRELESS BILLING ACCT #1 - 585		<b>Check Date:</b>	<b>04/06/2022</b>
592-537-850.000	DPW WIRELESS DEVICES		98.61

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION**

101-228-850.000	INFO SERVICES WIRELESS DEVICES	59.18
101-336-850.000	FIRE WIRELESS DEVICES	89.19
101-751-850.000	PARK FOREMAN WIRELESS DEVICE	49.18
101-253-850.000	TREASURER WIRELESS SERVICE	49.18
101-301-850.000	POLICE DEPT. WIRELESS SERVICE	382.12
101-371-850.000	BUILDING DEPT. WIRELESS SERVICES	117.75
101-265-850.000	TWP. HALL	51.20

**WASTE MANAGEMENT**

0013655-1717-4 TWP FACILITIES - APR 2022 FE

101-336-824.000	FIRE STN 3 TRASH	26.95
101-265-824.000	TWP HALL TRASH/RECYCLE	183.26
592-537-824.000	DPW TRASH	73.30
101-336-824.000	FIRE STN 2 TRASH	26.95
101-673-824.000	FRIENDSHIP STATION TRASH	26.95
101-751-824.000	TWP PARK - ON CALL PICK-UP	325.00
101-751-824.000	HILLTOP GOLF COURSE	121.94

**Invoice Amount: \$784.35****Check Date: 04/06/2022****WOW! BUSINESS**

POLICE DEPT. SERVICE CHGS - APRIL 2022 ACCT

101-301-852.000 POLICE DEPT APRIL 2022

**Invoice Amount: \$10.00****Check Date: 04/06/2022**

10.00

**Ronnisch Construction Group**

BD Bond Refund

101-371-283.003 BP21-0084 - PB21-0406

**Invoice Amount: \$3,000.00****Check Date: 04/06/2022**

3,000.00

**EZ STORAGE PLYMOUTH TWP. LLC**

BD Bond Refund

101-371-283.005 BBD21-0033 - PSW21-0041

**Invoice Amount: \$35.46****Check Date: 04/06/2022**

35.46

**Total Amount to be Disbursed: \$27,757.37**

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## Charter Township of Plymouth AP Invoice Listing - Board Report

### VENDOR INFORMATION

### INVOICE INFORMATION

#### ALERUS FINANCIAL

MERS-457 PLAN - ALL EMPLOYEES 3-25-22 PAYD

101-000-239.000

457 CONT. PRE-TAX

101-000-239.000

457 CONT. ROTH POST-TAX

101-000-239.000

457 CONT. LOANS

Invoice Amount:

\$23,824.88

Check Date:

03/30/2022

22,912.85

714.35

197.68

#### ALERUS FINANCIAL

MERS-DC FT EMPLOYEE CONTRIBUTIONS-3-25-2

101-000-238.000

MERS EMPLOYEE PRE TAX

101-000-238.000

MERS EMPLOYEE POST TAX

101-000-238.000

LOANS

Invoice Amount:

\$9,396.77

Check Date:

03/30/2022

7,771.11

1,103.37

522.29

#### ALERUS FINANCIAL

MERS - DC FT EMPL. -- EMPLOYER CONT. 2/11/2

101-171-716.000

SUPERVISOR'S OFFICE

1,045.15

101-228-716.000

IT DIRECTOR

600.77

101-215-716.000

CLERK'S OFFICE

1,364.77

101-253-716.000

TREASURER'S OFFICE

1,291.87

101-265-716.000

TWP BUILDING & GROUNDS

263.14

101-301-716.000

PD DEPT.

6,036.05

101-325-716.000

DISPATCH DEPT.

2,274.48

101-336-716.000

FIRE DEPT

6,690.43

101-371-716.000

BUILDING DEPT.

1,536.74

596-528-716.000

SOLID WASTE DEPT.

348.64

588-596-716.000

SENIOR TRANS

245.91

592-536-716.000

PUBLIC SERVICES

909.34

592-537-716.000

DPW

3,840.47

101-262-716.000

ELECTIONS

306.44

101-191-716.000

FINANCE DEPT

925.80

101-351-716.000

JAIL (RECORDS/FOIA)

301.27

101-171-716.000

FORFEITURE- SUPERVISOR'S OFFICE

(46.86)

101-191-716.000

FORFEITURE - FINANCE DEPT.

(41.51)

101-215-716.000

FORFEITURE - CLERKS OFFICE

(61.19)

101-228-716.000

FORFEITURE - IT DEPT.

(26.94)

101-253-716.000

FORFEITURE - TREASURERS OFFICE

(57.92)

101-262-716.000

FORFEITURE - ELECTIONS DEPT.

(13.74)

101-265-716.000

FORFEITURE - BLDG & GROUNDS

(11.80)

101-301-716.000

FORFEITURE - POLICE DEPT

(270.63)

101-325-716.000

FORFEITURE - DISPATCH DEPT

(101.98)

101-336-716.000

FORFEITURE - FIRE DEPT

(299.97)

101-351-716.000

FORFEITURE - JAIL (RECORDS/FOIA)

(13.51)

101-371-716.000

FORFEITURE - BUILDING DEPT

(68.90)

588-596-716.000

FORFEITURE - SENIOR TRANS

(11.03)

592-536-716.000

FORFEITURE - PUBLIC SERVICES

(40.77)

592-537-716.000

FORFEITURE - DPW

(172.19)

596-528-716.000

FORFEITURE - SOLID WASTE

(15.63)

#### A T & T

AT&T - TELEPHONE/INTERENET ALLOC -- MARC

101-228-852.000

INFORMATION SERVICES

44.13

101-257-852.000

ASSESSING

73.55

101-371-852.000

BUILDING

80.90

101-336-852.000

FIRE

154.45

101-301-852.000

POLICE

176.54

101-171-852.000

SUPERVISOR

73.55

101-253-852.000

TREASURER

66.19

101-215-852.000

CLERK

110.32

101-701-852.000

INFORMATION

14.71

Invoice Amount:

\$1,287.10

Check Date:

03/30/2022

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION**

101-325-852.000	DISPATCH	125.03
101-673-852.000	SENIOR CENTER	14.71
101-751-852.000	PARK	7.35
596-528-852.000	SOLID WASTE	14.71
101-191-852.000	FINANCE	58.84
101-101-859.000	TOWNSHIP BOARD	14.71
101-261-852.000	GENERAL OPERATING	80.90
101-262-850.000	ELECTIONS	29.42
101-265-852.000	BUILDING AND GROUNDS	14.71
101-351-852.000	JAIL/CORRECTIONS	7.35
588-596-852.000	TRANSPORTATION	7.35
592-536-852.000	PUBLIC SERVICES	73.55
592-537-852.000	PUBLIC WORKS	44.13

**A T & T**Invoice Amount: **\$925.55**

AT&amp;T - TELEPHONE ALLOCATION MARCH 2022-

Check Date: **03/30/2022**

101-265-850.000	BUILDING AND GROUNDS	54.44
101-301-850.000	POLICE	163.33
101-325-850.000	DISPATCH	54.44
101-336-850.000	FIRE	217.78
101-426-850.000	EMERGENCY MANAGEMENT	326.66
101-673-850.000	SENIOR CENTER	54.45
592-537-850.000	PUBLIC WORKS - T&D	54.45

**BASIC Benefits LLC**Invoice Amount: **\$998.40**

MONTHLY FEE FOR COBRA ADMIN (PER PERSON

Check Date: **03/30/2022**

101-261-801.000	2022 ANNUAL FEE FOR COBRA #IN2297667	998.40
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**BLUE CROSS/BLUE SHEILD OF MI**Invoice Amount: **\$3,388.80**

BCBS-MEDICARE PLUS BLUE PPO - APRIL 2022 -

Check Date: **03/30/2022**

101-261-875.000	GENERAL RETIREES	423.60
101-301-875.000	POLICE RETIREES	423.60
101-336-875.000	FIRE RETIREES (6)	2,541.60

**CBTS TECHNOLOGY SOLUTIONS LLC**Invoice Amount: **\$2,849.38**

CBTS PHONE SERVICES - MARCH 2022 (2/20/22

Check Date: **03/30/2022**

101-101-850.000	TOWNSHIP BOARD	25.36
101-171-850.000	SUPERVISOR	122.35
101-228-850.000	INFORMATION SYSTEMS	77.27
101-257-850.000	ASSESSING	85.01
101-215-850.000	CLERK	163.41
101-253-850.000	TREASURY	85.00
101-261-850.000	GEN. OP. - EXC RM	20.99
101-262-850.000	ELECTIONS	32.48
101-265-850.000	BUILDING AND GROUNDS	16.51
101-673-850.000	SENIOR SERVICES	16.49
101-301-850.000	POLICE	533.08
101-325-850.000	DISPATCH	295.75
101-351-850.000	JAIL/CORRECTIONS	16.99
101-336-850.000	FIRE/TWP. HALL	953.03
101-371-850.000	BUILDING	120.12
101-751-850.000	PARKS & REC	28.02
101-701-850.000	PLANNING	16.51
596-528-850.000	SOLID WASTE	18.91
588-596-850.000	SR. TRANSPORTATION	41.03
592-536-850.000	WATER & SEWER	117.52
101-191-850.000	FINANCE/ACCOUNTING	63.55

# Charter Township of Plymouth

## AP Invoice Listing - Board Report

**VENDOR INFORMATION****INVOICE INFORMATION****COMCAST**

INTERNET - MARCH 2022 ACCT 8529 10 216 14  
101-261-852.000

MARCH 2022 - INTERNET (GEN)

Invoice Amount: **\$171.85**  
Check Date: **03/30/2022**  
171.85

**DTE ENERGY**

BASEBALL DIAMONDS FEBRUARY 2022 -- 9100-1  
101-751-920.000

BASEBALL DIAMONDS 2/22

Invoice Amount: **\$382.63**  
Check Date: **03/30/2022**  
382.63

**DTE ENERGY**

DTE SERVICE MILLER PARK MARCH 2022- 9100-0  
101-751-920.000

MILLER PARK ELECTRIC MARCH 2022

Invoice Amount: **\$19.65**  
Check Date: **03/30/2022**  
19.65

**I.A.F.F. - LOCAL 1496**

IAFF DUES-MARCH 2022 (DETAILED LISTING AT  
101-000-240.336

MARCH 2022 UNION DUES

Invoice Amount: **\$2,250.00**  
Check Date: **03/30/2022**  
2,250.00

**M E R S**

MERS - MARCH 2022 EMPLOYEE AND EMPLOYER

101-000-245.301  
101-000-245.301  
101-000-245.336  
101-000-245.325  
101-301-715.000  
101-301-715.000  
101-336-715.000  
101-325-715.000  
101-336-715.000

COAM - EMPLOYEE CONTRIB.  
POAM-EMPLOYEE CONTRIB.  
FIRE - EMPLOYEE CONTRIN.  
DISPATCH - EMPLOYEE CONTRIB  
COAM - EMPLOYER CONTRIB  
POAM - EMPLOYER CONTRIB  
FIRE - EMPLOYER CONTRIB  
DISPATCH - EMPLOYER CONTRIB  
FIRE CHIEF ACCT - EMPLOYER CONTRIB

Invoice Amount: **\$148,187.30**  
Check Date: **03/30/2022**

2,036.52  
9,275.43  
8,383.12  
3,360.08  
17,511.15  
37,595.00  
57,390.00  
12,352.00  
284.00

**CHARTER TWSP OF PLYMOUTH**

PLYMOUTH TOWNSHIP - WATER/SEWER -- MAR

101-171-922.000  
101-228-922.000  
101-257-922.000  
101-215-922.000  
101-253-922.000  
101-673-922.000  
101-301-922.000  
101-325-922.000  
101-351-922.000  
101-336-922.000  
101-371-922.000  
101-701-922.000  
101-751-922.000  
596-528-922.000  
592-536-922.000  
592-537-922.000  
588-596-922.000  
101-265-922.000  
592-537-922.000  
101-191-922.000

SUPERVISOR  
INFO SERVICES  
ASSESSORS  
CLERK  
TREASURER  
BUILDING-SENIOR SERVICES  
POLICE  
DISPATCH  
LOCK UP  
FIRE  
BUILDING  
PLANNING  
PARK  
SOLID WASTE  
ADM/GEN EXPENSE  
POWER & PUMPING  
FRIENDSHIP STATION  
BUILDING  
WATER FLUSHING  
FINANCE DEPT.

Invoice Amount: **\$1,613.96**  
Check Date: **03/30/2022**

20.17  
17.02  
6.93  
28.82  
10.40  
59.52  
87.61  
32.78  
26.79  
463.47  
24.90  
1.89  
372.31  
0.95  
28.68  
203.25  
3.74  
0.63  
212.90  
11.20

**SIMPLIFILE, LC**

BD Bond Refund

101-371-283.018

BBD22-0058

Invoice Amount: **\$36.25**  
Check Date: **03/30/2022**  
36.25

**VERIZON WIRELESS**

VERIZON - CELL PHONES FOR PARK & FIRE (ACC

Invoice Amount: **\$82.35**  
Check Date: **03/30/2022**

# Charter Township of Plymouth AP Invoice Listing - Board Report

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## VENDOR INFORMATION

## INVOICE INFORMATION

	101-751-850.000	PARK CELL PHONE	40.01
	101-336-850.000	FIRE - (LIFEPAKCS)	42.34
<b>R &amp; M ASSET MANAGEMENT INC.</b>		<b>Invoice Amount:</b>	<b>\$28.75</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.018	BBD22-0058	28.75
<b>John Demattia Construction LLC</b>		<b>Invoice Amount:</b>	<b>\$1,500.00</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.001	BP21-0125 - PB21-1138	1,500.00
<b>HOME TOWN BUILDERS</b>		<b>Invoice Amount:</b>	<b>\$1,000.00</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.001	BP08-0023 - PB04-00992	1,000.00
<b>JB Donaldson Company</b>		<b>Invoice Amount:</b>	<b>\$2,190.00</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.019	BBD21-0051 - PB21-1035	2,190.00
<b>Oliver Hatcher Construction</b>		<b>Invoice Amount:</b>	<b>\$690.00</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.019	BBD21-0053 - PB21-1133	690.00
<b>Lynch Construction</b>		<b>Invoice Amount:</b>	<b>\$1,380.00</b>
BD Bond Refund		<b>Check Date:</b>	<b>03/30/2022</b>
	101-371-283.001	BP21-0107 - PB21-0799	1,380.00
<b>Total Amount to be Disbursed:</b>			<b>\$228,930.32</b>

# Charter Township of Plymouth AP Invoice Listing - Board Report

Weekly 3/23/22  
Page: 1/3

## VENDOR INFORMATION

## INVOICE INFORMATION

### AT & T LONG DISTANCE

AT&T LONG DISTANCE - POLICE LINE - BAN8363

101-301-850.000

BAN836376571 - FEB 2022

Invoice Amount:

\$1.71

Check Date:

03/23/2022

1.71

### AT & T

FIBER RADIO CIRCUITS - MARCH 2022

101-325-850.000

FIBER RADIO CIRCUITS MARCH 2022

Invoice Amount:

\$966.94

Check Date:

03/23/2022

966.94

### BLUE CROSS/BLUE SHEILD OF MI

BCBS-MEDICARE PLUS BLUE PPO - MARCH 2022

101-261-875.000

GENERAL RETIREES

101-301-875.000

POLICE RETIREES

101-336-875.000

FIRE RETIREES (6)

Invoice Amount:

\$3,388.80

Check Date:

03/23/2022

423.60

423.60

2,541.60

### COMCAST

INTERNET - MARCH 2022 XFINITY ACCT 8529

101-261-852.000

TOWNSHIP HALL INTERNET 3/22

Invoice Amount:

\$77.90

Check Date:

03/23/2022

77.90

### COMCAST

FIRE INTERNET STATION 2 -APRIL 2022 ACCT 85

101-336-852.000

APRIL 2022 FIRE INTERNET STA #2

Invoice Amount:

\$72.44

Check Date:

03/23/2022

72.44

### COMCAST

INTERNET PORT STREET - APRIL 2022-- ACCT 8

592-537-852.000

INTERNET - PORT STREET

Invoice Amount:

\$310.19

Check Date:

03/23/2022

310.19

### COMCAST

SENIOR CENTER INTERNET - MARCH 2022-- ACC

101-673-852.000

Senior Ctr Internet

588-596-852.000

Senior Trans Internet

Invoice Amount:

\$239.08

Check Date:

03/23/2022

224.74

14.34

### COMCAST

INTERNET - MARCH 2022-- ACCT 900913674

101-751-852.000

Township Park

101-336-852.000

Fire

101-351-852.000

Telephone

Invoice Amount:

\$231.75

Check Date:

03/23/2022

64.95

64.95

101.85

### MICH MUN RISK MGT AUTHORITY ECP

ELECTRIC CHOICE - MMRMA-D21021015 - FEBRU

101-171-920.000

ELECTRIC CHOICE - SUPERVISOR/HR

101-228-920.000

ELECTRIC CHOICE - IT

101-257-920.000

ELECTRIC CHOICE - ASSESSING

101-215-920.000

ELECTRIC CHOICE - CLERK

101-253-920.000

ELECTRIC CHOICE - TREASURER

101-265-920.000

ELECTRIC CHOICE - TWP HALL - HAACK

101-673-920.000

ELECTRIC CHOICE - SR SERVICES

101-301-920.000

ELECTRIC CHOICE - POLICE

101-325-920.000

ELECTRIC CHOICE - DISPATCH

101-351-920.000

ELECTRIC CHOICE - LOCK-UP

101-336-920.000

ELECTRIC CHOICE - FIRE

101-371-920.000

ELECTRIC CHOICE - BUILDING DEPT

101-701-920.000

ELECTRIC CHOICE - COMM. DEV.

596-528-920.000

ELECTRIC CHOICE - SOLID WASTE

592-536-920.000

ELECTRIC CHOICE - DPS

592-537-920.000

ELECTRIC CHOICE - WATER

101-336-920.000

ELECTRIC CHOICE - FIRE

101-751-920.000

ELECTRIC CHOICE - PARKS

Invoice Amount:

\$11,438.66

Check Date:

03/23/2022

348.82

294.31

119.91

498.37

179.86

10.90

16.35

1,515.18

566.83

463.27

267.06

436.02

32.70

16.35

490.53

2,609.19

2,754.90

399.24

**Charter Township of Plymouth  
AP Invoice Listing - Board Report**

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**VENDOR INFORMATION**

**INVOICE INFORMATION**

<i>101-673-920.000</i>	<i>ELECTRIC CHOICE - FRIENDSHIP STATION</i>	<i>211.56</i>
<i>588-596-920.000</i>	<i>ELECTRIC CHOICE - SR TRANS</i>	<i>13.50</i>
<i>101-191-920.000</i>	<i>ELECTRIC CHOICE - FINANCE</i>	<i>193.81</i>

**HONKE, ANITA**

MEDICARE PART B - APRIL 2022

*101-336-875.000*

*MEDICARE PART B - APRIL 2022*

<b>Invoice Amount:</b>	<b>\$170.10</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>170.10</i>

**KNUPP, LINDA**

MEDICARE - PART B -APRIL 2022 - LINDA KNUPP

*101-336-875.000*

*MEDICARE - PART B - APRIL 2022*

<b>Invoice Amount:</b>	<b>\$170.10</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>170.10</i>

**MAAS, CARLAS**

MEDICARE PART B - APRIL 2022 (PLUS ADJUSTM

*101-336-875.000*

*MEDICARE PART B - APRIL 2022*

*101-336-875.000*

*ADJUST FOR JAN-MAR 2022*

<b>Invoice Amount:</b>	<b>\$320.40</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>221.10</i>
	<i>99.30</i>

**M M L WORKER'S COMPENSATION FUND**

MML - WORKERS COMP FUND - JULY 2021-2022

*101-101-720.000*

*TOWNSHIP BOARD*

*101-171-720.000*

*SUPERVISOR*

*101-228-720.000*

*INFORMATION SERVICES*

*101-215-720.000*

*CLERK*

*101-253-720.000*

*TREASURER*

*101-265-720.000*

*TOWNSHIP HALL AND GROUNDS*

*101-301-720.000*

*POLICE*

*101-325-720.000*

*DISPATCH*

*101-336-720.000*

*FIRE*

*101-371-720.000*

*BUILDING*

*101-751-720.000*

*PARKS*

*596-528-720.000*

*SOLID WASTE*

*588-596-720.000*

*SENIOR TRANSPORTATION*

*592-537-720.000*

*WATER AND SEWER*

*101-262-720.000*

*ELECTIONS*

*592-536-720.000*

*DPS-CLERICAL OFFICE WORKERS*

*101-191-720.000*

*ACCOUNTING DEPT*

*101-351-720.000*

*JAIL/CORRECTIONS*

<b>Invoice Amount:</b>	<b>\$32,940.00</b>
<b>Check Date:</b>	<b>03/23/2022</b>

		<i>53.00</i>
		<i>228.79</i>
		<i>114.39</i>
		<i>342.63</i>
		<i>228.79</i>
		<i>114.39</i>
		<i>9,072.74</i>
		<i>2,651.65</i>
		<i>13,541.64</i>
		<i>351.70</i>
		<i>840.70</i>
		<i>114.39</i>
		<i>734.86</i>
		<i>3,645.55</i>
		<i>114.39</i>
		<i>455.21</i>
		<i>114.21</i>
		<i>220.97</i>

**SPALDING DEDECKER ASSOCIATES, INC.**

BD Bond Refund

*101-371-283.016*

*BE20-0011*

<b>Invoice Amount:</b>	<b>\$280.00</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>280.00</i>

**SPALDING DEDECKER ASSOCIATES, INC.**

BD Bond Refund

*101-371-283.016*

*BE18-0025*

<b>Invoice Amount:</b>	<b>\$70.00</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>70.00</i>

**SPALDING DEDECKER ASSOCIATES, INC.**

BD Bond Refund

*101-371-283.016*

*BE18-0008*

<b>Invoice Amount:</b>	<b>\$624.00</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>624.00</i>

**SPALDING DEDECKER ASSOCIATES, INC.**

BD Bond Refund

*101-371-283.016*

*BE19-0007*

<b>Invoice Amount:</b>	<b>\$85.50</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>85.50</i>

**SPALDING DEDECKER ASSOCIATES, INC.**

BD Bond Refund

*101-371-283.016*

*BE19-0012*

<b>Invoice Amount:</b>	<b>\$85.50</b>
<b>Check Date:</b>	<b>03/23/2022</b>
	<i>85.50</i>

**Charter Township of Plymouth  
AP Invoice Listing - Board Report**

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**VENDOR INFORMATION**

**INVOICE INFORMATION**

<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$549.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE20-0004		549.00
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$127.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE20-0003		127.00
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$676.50</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE20-0008		676.50
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$947.50</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE20-0014		947.50
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$3,637.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE21-0029		3,637.00
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$1,049.50</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE21-0016		1,049.50
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$6,720.50</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE21-0030		6,720.50
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$2,387.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE21-0025		2,387.00
<b>SPALDING DEDECKER ASSOCIATES, INC.</b>			<b>Invoice Amount:</b>	<b>\$880.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.016	BE18-0042		880.00
<b>SIMPLIFILE, LC</b>			<b>Invoice Amount:</b>	<b>\$60.25</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.014	BPZ18-0011		60.25
<b>WESTERN TWNSPS UTILITIES AUTHORITY</b>			<b>Invoice Amount:</b>	<b>\$19,013.11</b>
WTUA - FEBRUARY 2022 (SEE ATTACHED DETAI			<b>Check Date:</b>	<b>03/23/2022</b>
	592-538-828.000	Monthly Charges		8,624.76
	592-538-827.000	YUCA IPP-IWC		4,697.42
	592-537-757.000	Country Acres Pump Station		703.58
	592-000-181.000	Capital Improvement Program		4,987.35
<b>Braun Construction Group</b>			<b>Invoice Amount:</b>	<b>\$1,500.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.001	BP21-0097 - PB21-0668		1,500.00
<b>DMG Construction Services LLC</b>			<b>Invoice Amount:</b>	<b>\$2,490.00</b>
BD Bond Refund			<b>Check Date:</b>	<b>03/23/2022</b>
	101-371-283.019	BBD22-0060 - PB22-0064		2,490.00
<b>Total Amount to be Disbursed:</b>				<b>\$91,510.43</b>



## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

**MEETING DATE:** April 12, 2022

**ITEM: Review and Discussion of the “Plymouth Walk’ Project (Elks’ Lodge) PUD**

**PRESENTERS:** Township Engineer Schrot  
Township Planners Haw & Wolf  
Brownfield Authority Attorney Mann  
Supervisor Heise

### **BACKGROUND:**

The Developer, Pomeroy/Toll Brothers is proposing a Planned Unit Development (PUD) at the former Elks’ Lodge and Wycoff Steel sites. Board of Trustees’ approval is required for any PUD. The following are the highlights and key elements of the project:

#### **Density:**

The future land use plan for these parcels is Multiple-Family Residential. It is currently zoned Industrial. At the Township’s urging, the Developer has removed four residential units (not buildings) and is now proposing 369 residential units on 33.637 acres, for a density of approximately 10.97 dwelling units per acre. **This density is well below the maximum allowable under a PUD, and the maximum 11.00 units per acre that any multiple-family residential zoned property in the Township may have.**

As mentioned, current zoning of the property is mostly Industrial, with a smaller portion zoned per the Ann Arbor Road Corridor District. Both sites are located within the Township’s Downtown Development District (DDA). Current zoning at this site would support a distribution facility or other industrial user by-right (e.g. self-storage facility, Amazon distribution, Webasto).

#### **Traffic/Neighborhood Impact:**

The original traffic engineering report provided by the Developer was primarily geared to a single entry/exit point on Ann Arbor Road via the existing traffic signal. While the increase in traffic generated from this plan would not have drastically affected the existing peak hour delays currently experienced at Ann Arbor/Haggerty and Ann Arbor/Lilly, it would add delay.

Another challenge associated with a single entry/exit point is the high likelihood of peak hour traffic stacking up to and beyond the Development roadway intersection to the former “Gold Arbor” roadway, which is now a private roadway held by the shopping plaza owners.

These traffic delays can be mitigated with an additional entry/exit access through the Eastlawn neighborhood via General Drive and Eastside Drive. These roads are county owned, but do not meet the current standards to handle the proposed volume of traffic due to unpaved and extremely poor, dirt road surfaces. Having multiple vehicular access points to such a residential development is a planning best practice and is in the best interest of public safety.

All the roadways within the Eastlawn neighborhood (Firwood, General, Eastside, and Micol) are dirt roads and need substantial infrastructure improvements including the following:

- New HMA and aggregate cross section
- Curb and gutter
- Storm Sewer drainage improvements
- Sidewalks

#### **Eastlawn Neighborhood Road Improvements and Funding by Developer/DDA/BRA:**

The Township has been approached in the past about a potential special assessment district (SAD) for the roadways within the Eastlawn neighborhood, but the SAD did not progress due to the high the cost burden on the homeowners. The most recent estimates suggest a SAD would cost individual property owners more than \$30,000 per unit.

**The total cost to rehabilitate the roadways to north of the proposed PUD is \$1,848,276, which includes curb and gutter, sidewalks, and drainage meeting County standards.**

As a condition of the PUD, the Developer has proposed to contribute an agreed-upon amount (currently estimated as **\$1,848,276**) to fund (over a 5-year period) the Eastlawn neighborhood roadway rehabilitation project. The rehabilitation project would be performed by the Township using our own selected contractors under our supervision. This would result in new, paved roadways, sidewalks, and curb-and-gutter drainage provided to the Eastlawn residents at no cost to the property owners.

The Developer has asked that these improvements be financed with the Township similar to a contractual SAD with a 5-year payback. The Developer would pay \$370,000 to the Township at the start of the construction of the Eastlawn neighborhood roads and would provide us financial assurance to ensure payment in 2-5 years, perhaps in the form of a letter of credit. Construction on the Eastlawn roads would commence when the developer starts construction, and no developer traffic would be allowed in the Eastlawn neighborhood.

In return for the Developer funding the Eastlawn rehabilitation, the Township, through its DDA, would provide **\$844,543** in funding to support paving the spine road within the PUD and the construction of sidewalks and safety enhancements along the north side of Ann Arbor Road under the CSX Rail Overpass.

In addition, as this site is the former Wycoff Steel Facility, it qualifies as a Brownfield site and the Township would work with the Developer on a 11-year Brownfield Redevelopment Plan that would allow tax increment capture to occur at the site. **As part of the Brownfield Plan, the DDA's contribution of \$844,543 would be reimbursed in the first 3-4 years of the plan.**

The Developer's contribution to the construction of the Eastlawn roadways and sidewalks is considered a significant public benefit available only through the PUD process. Improvements to the roadways and public access to the Eastlawn neighborhood are necessary for any residential development on this parcel.

#### **Heritage Trees and Open Space:**

There are 161 heritage trees existing within the site and the proposed plan calls for the removal of 107. The Township suggested that the Developer look for ways to save additional trees with new layout changes. Please note, due to modifications previously made by the Developer (and the Township's new tree ordinance), the number of replacement trees that will be provided by the Developer is over 3 times as many than what was previously proposed in the 2013 senior citizen living/nursing home development. The Developer has also enlarged the greenspace along the east and north property boundaries (a minimum of 50 feet), and a 4-foot berm has now been added along the north property line at the request of homeowners.

#### **Recommendations:**

Ultimately, if a residential development is not approved for the property, it could be developed as commercial/industrial/storage development, which would not be in the long-term interest of the Township, especially as related to limited taxable value and truck traffic. This would also likely result in the elimination of all trees and foliage at the site.

Moving forward in the PUD process, the Board would consider approval at a future meeting. Approval would then send the PUD application back to the Planning Commission for further refinement and full Site Plan review. The final PUD contract would then be brought back to the Board for legal review and final consideration. The Township's Brownfield Authority would then also have to approve a Brownfield Plan, and the Township DDA would need to approve the disbursement of funds for the road/sidewalk projects.

**PROPOSED MOTION:** None, discussion only.



April 6, 2022

**Board of Trustees**

Charter Township of Plymouth  
9955 N. Haggerty Road  
Plymouth, Michigan 48170

**Subject: PC#: 2406 – Elks’ Redevelopment (Plymouth Walk) PUD Option Review Summary**  
Parcel IDs: 78-060-99-0002-707 and R-78-060-99-0002-708

Dear Honorable Trustees,

We have reviewed the above, revised Planned Unit Development (PUD) Option eligibility request for the described site. Submitted by PEA Group and Toli Brothers (the “Developer,” collectively) the proposed development (“Project”) is for a mix of two-story townhomes and three-story apartment buildings, as well as a clubhouse, open spaces, pedestrian pathways and parking areas.

**PROJECT HISTORY**

The Plymouth Walk Planned Unit Development project (also known as the Elks’ Lodge redevelopment project) was originally submitted to the Township at the beginning of October 2021. The first step for any proposed PUD is to apply for the PUD Option – *in essence, the developer is asking the Township for the option to have a PUD on a given site*. The PUD Option process precedes any formal site plan application and is an essential step in determining if a site is the appropriate location for a PUD.

As of April 2022, the following key events have occurred regarding this PUD Option application:

- October 20, 2021: The Planning Commission held a public hearing on the PUD Option. The Commission made a motion to postpone their official recommendation to give the Developer time to refine the concept plans and address specific comments from the public.
- January 12, 2022: The Planning Commission held a special meeting to listen to all the comments from members of the public. Following the public, staff, and applicant comments, the Commission made a motion to recommend approval of the PUD Option to the Board of Trustees. The motion passed 3-2, with two Commissioners citing traffic and tree canopy impacts as their reason for voting “nay.”

**Since the January 12, 2022, special meeting of the Planning Commission, the Township has continued to meet with the Developer to resolve several of the concerns brought up by residents and Commissioners. The following elements of the proposed PUD have been modified during this time (see table below):**

	BEFORE	AFTER
<b>Density</b>	11 08 housing units per acre Just above density level specified in Master Plan, however this number is well below the maximum density allowable in a PUD (25 dwelling units / acre)	10 97 housing units per acre, <b>Below density level specified in Master Plan.</b>
<b>Roads to North</b>	Unpaved, no contribution from Developer; would be \$30K / home to pave.	Developer giving \$1.85 million, Township DDA giving \$844,543; <b>all roads paved at no cost to residents.</b>

**HEADQUARTERS**

235 East Main Street  
Suite 105  
Northville, Michigan 48167

☎ 248.596.0920  
F 248.596.0930  
**MOKA.COM**

**Communities for real life.**



## PROJECT FUTURE

The PUD Option is now before the Board of Trustees for review. The Board is scheduled to hold a study session on April 12, 2022, to further consider all public comments regarding the project. Please note, this meeting is not required as part of the PUD process, this is an additional meeting to allow discussion and input from the community. Following the study session, the Board will consider the requested PUD Option at a subsequent meeting. At that meeting, the Board will vote to approve, approve with conditions, or deny the PUD Option.

**Denial of PUD Option:** If the PUD Option is denied, the project application will be closed. If the Developer still wishes to develop the site, they must submit under a new application.

**Approval of PUD Option:** If the PUD Option is approved, then the Developer has one year to submit for site plan approval. The site plan (aka "Development Plan") is reviewed by the Planning Commission, who determines compliance with all local ordinances and engineering and safety standards. The Developer would also submit a proposed PUD Contract, which is a document that sets forth any special conditions, restrictions, and agreements regarding the property. The PUD Contract is reviewed by the Township, including the Township attorney.

- 1) **Recommendation on PUD Site Plan and Contract:** The Development Plan and PUD Contract would go before the Planning Commission, who would recommend either approval, approval with conditions, or denial to the Board of Trustees.
- 2) **Vote on PUD Site Plan and Contract:** The Board of Trustees would then vote to approve, approve with conditions, or deny the Development Plan and PUD Contract as submitted.

## PUD OPTION ELIGIBILITY SUMMARY

Per the Township of [Plymouth Zoning Ordinance No. 99 Article XXIII Section 21.3](#), the PUD must meet the following eight eligibility criteria to be granted the PUD Option:

1. Conform to the spirit and intent of the PUD Option.
2. Generate a benefit to users of the development and the community that would be otherwise unlikely to achieve without the PUD Option regulations.
3. Be located on a site containing natural assets which would otherwise be substantially destroyed without the use of a PUD (if on an existing developed site with no assets, natural features or community amenities may be created to satisfy this requirement).
4. Be located on a site that contains existing natural or manmade features of significance which can be protected through incorporation into the PUD to minimize negative impacts on adjacent properties and/or the whole community.
5. Design in harmony with the character of the immediate area (regarding proposed uses, the location of uses, and the height, bulk, location, and character of structures on the site) and support the stability of adjacent development in the general planning area.
6. Not generate traffic that adversely impacts adjacent properties or conflict with the normal traffic flow of the general area, including the flow of pedestrians and at major intersections.
7. Include an intensity of uses that is compatible with the adjacent land uses and the external effects of which do not impact the stability of adjacent development in the general planning area.
8. Facilitate the redevelopment of a functionally obsolete site into a substantial benefit, in line with the Master Plan (applicable only if on an existing developed site).

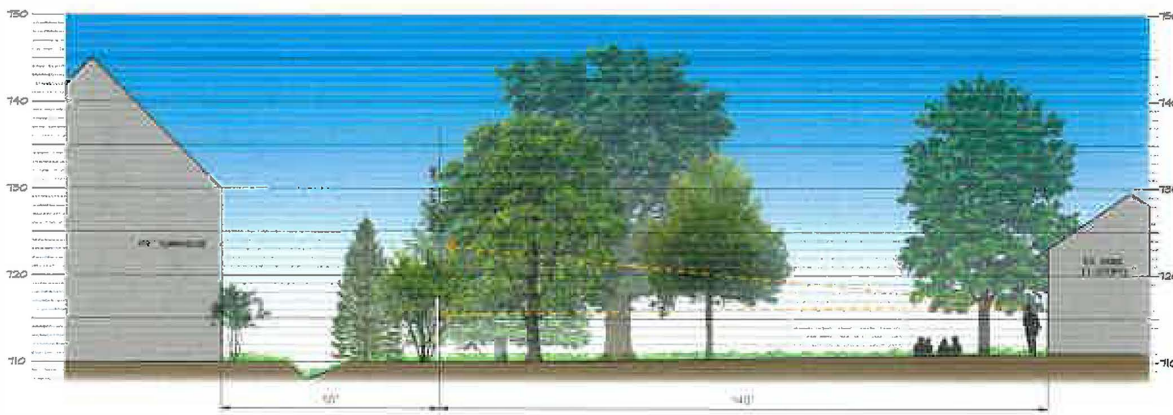
## OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME: GENERAL DR, MICOL DR, FIRWOOD DR, EASTSIDE DR ONLY  
CLIENT NAME: PLYMOUTH TOWNSHIP  
PREPARED BY: J SCHROT

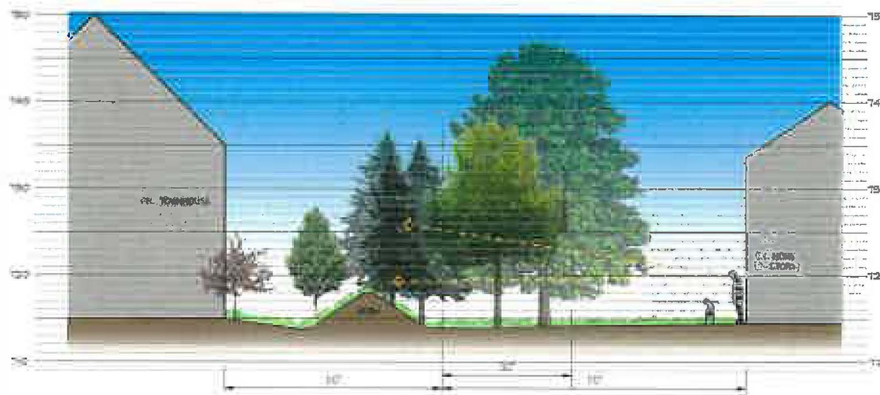
PROJECT NO: PL21103  
DATE: 2/16/2022

	SPEC	ITEM	QUANTITY	UNIT	PRICE (\$)	TOTAL
1		Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 150,000.00	\$ 150,000.00
2		Pre-Construction Audio-Visual	1	LS	\$ 750.00	\$ 750.00
3		Soil Erosion Control Measures	1	LS	\$ 25,000.00	\$ 25,000.00
4		Temporary Traffic Control	1	LS	\$ 75,000.00	\$ 75,000.00
5		Sidewalk Grading	58	Sta	\$ 1,200.00	\$ 69,000.00
6		Aggregate Base, 4 Inch	3,194	SY	\$ 10.00	\$ 31,944.44
7		Sidewalk, Conc, 4 Inch	28,750	SF	\$ 4.50	\$ 129,375.00
8		Excavation, Earth	1,278	CY	\$ 18.00	\$ 23,000.00
9		Subgrade Undercut (As Needed)	319	CY	\$ 65.00	\$ 20,763.89
10		Aggregate Base, 12 inch, Limestone	8,400	SY	\$ 18.00	\$ 151,200.00
11		HMA, LVSP (6" inch)	2,800	TON	\$ 100.00	\$ 280,000.00
12		Curb and Gutter, Conc, Modified	5,800	LF	\$ 25.00	\$ 145,000.00
13		Driveway, Nonreinf Conc, 8 Inch	1,800	SY	\$ 65.00	\$ 117,000.00
14		Dr Structure, 48 inch Dia, Storm Manhole w/ 2 foot Sump	7	Ea	\$ 3,000.00	\$ 21,562.50
15		DR Structure, 48 inch Dia, Storm Catch Basin	14	Ea	\$ 3,000.00	\$ 43,125.00
16		Castings, Structure	22	Ea	\$ 750.00	\$ 16,171.88
17		Sewer. CL A, 12 inch, Tr Det B	2,900	Ft	\$ 70.00	\$ 203,000.00
18		Underdrain, 6 inch	5,800	Ft	\$ 15.00	\$ 87,000.00
19		Striping and Signing	1	LS	\$ 9,000.00	\$ 9,000.00
20		Restoration	3,200	SY	\$ 5.00	\$ 16,000.00
21		Permit Allowance	750	DLR	\$ 1.00	\$ 750.00
22		Inspection Crew Days	30	EA	\$ 700.00	\$ 21,000.00
		<b>Construction Subtotal:</b>				\$ 1,635,642.71
		<b>Contingency:</b>			0%	\$ -
		<b>Construction Total:</b>				\$ 1,635,642.71
		<b>Design Engineering:</b>			6%	\$ 98,138.56
		<b>Geotechnical Investigation:</b>				\$ -
		<b>Contract Administration:</b>			6%	\$ 98,138.56
		<b>Material Testing:</b>			1%	\$ 16,356.43
		<b>ROW Acquisition:</b>			0%	\$ -
		<b>Permitting:</b>			0%	\$ -
		<b>[Other Non Bid Items]:</b>			0%	\$ -
<b>OPINION OF PROBABLE CONSTRUCTION COST</b>					<b>Total Estimated Project Cost:</b>	<b>\$ 1,848,276.00</b>
					<b>Total Estimated Project Cost per Unit (54 units):</b>	<b>\$ 34,227.33</b>
<p><i>In providing opinions of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's opinions of probable construction costs are made on the basis of the Consultant's professional judgement and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost.</i></p>						



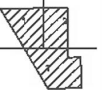


**SECTION A-A**  
1" = 5' (VERT.)  
1" = 10' (HORIZ.)



**SECTION B-B**  
1" = 5' (VERT.)  
1" = 10' (HORIZ.)

**PEA GROUP**  
1544 N. 10TH ST.  
TULSA, OK 74103  
www.peagroup.com



**CLIENT:**  
POMEROY PLYMOUTH, LLC  
4200 W. 10TH ST. SUITE 100  
TULSA, OK 74103

**TOLL BROTHERS**  
1000 N. 10TH ST.  
TULSA, OK 74103

**PROJECT TITLE:**  
PLYMOUTH WALK  
PUD  
1000 N. 10TH ST. SUITE 100  
TULSA, OK 74103

**REVISIONS:**

NO.	DATE	DESCRIPTION
1	09/10/2013	ISSUED FOR PERMIT

**PREPARED BY:**  
J. B. B.

**CHECKED BY:**  
J. B. B.

**DATE:**  
09/10/2013

**PROJECT NUMBER:**  
0000000000

**PROJECT NAME:**  
PLYMOUTH WALK

**PROJECT ADDRESS:**  
1000 N. 10TH ST. SUITE 100  
TULSA, OK 74103

**PROJECT PHONE:**  
918.591.1000





**PROJECT FAX:**  
918.591.1000

**PROJECT EMAIL:**  
jbb@peagroup.com

NOT FOR CONSTRUCTION **C-1.1**



**KEY**

-  = PERSONS LIST WITH
-  = REPLACEMENT RECORDS ONLY / CLERK WORK
-  = REPLACEMENT CARRIER TAGS / REPORT NUMBER
-  = CARRIER ONLY IN POSSIBLE, / THE SAME AREA

[illegible]

WINDTIGHT TREE REMOVAL AND REPLACEMENTS		
TOTAL TREES TO BE REMOVED	181	
TOTAL REPLACEMENT TREES REQUIRED	181	
TOTAL NUMBER OF TREES TO BE REMOVED	2,813	Number
MINIMUM TREE REPLACEMENT	2:4:18	Replacement Factor
MINIMUM 3" CAL. OR OVER @ 4 FT	2,813 x 2.0 = 5,626	400
MINIMUM 3" CAL. OR OVER @ 4 FT	2,813 x 2.0 = 5,626	250
MINIMUM 4" CAL. OR OVER @ 4 FT	2,813 x 2.0 = 5,626	121
	5,626	250

[illegible]

TOTAL TRUCK ROPS ACQUISITION	
2005 DEC 31 CAL DR 1000 11/10	300
2006 DEC 31 CAL DR 2500 10/11	200
2007 DEC 31 CAL DR 5000 12/11	175
TOTAL TRUCK ROPS	675

TREE OBSERVATION CHART			
TOTAL MEASURED TREES	54	100%	
TOTAL SHADY MEASURED TREES	46	85%	
TOTAL NON-MEASURED TREES	126	235%	
TOTAL SHADY NON-MEASURED TREES	79	148%	
TOTAL TREES COUNT	180	333%	

NOT FOR CONSTRUCTION L-1.0





## Apartment Render





**Townhouse Render - Street Facing**



**Townhouse Render - Open Space Facing**

