

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

CALL TO ORDER

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM A
ROLL CALL

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM B
PLEDGE OF ALLEGIANCE

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

**ITEM C
APPROVAL OF AGENDA
TUESDAY, DECEMBER 10, 2019**

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, December 10, 2019
7:00 PM



CALL TO ORDER AT _____ P.M.

A. ROLL CALL: Kurt Heise_____, Mark Clinton_____, Chuck Curmi_____,
Bob Doroshewitz_____, Jerry Vorva_____, Jack Dempsey_____,
Gary Heitman_____

B. PLEDGE OF ALLEGIANCE

C. APPROVAL OF AGENDA

Tuesday, December 10, 2019

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:

Regular Meeting – Tuesday, November 12, 2019

D.2 Acceptance of Communications, Resolutions, Reports

Building Department Monthly Report - November 2019

Fire Department Monthly Report - November 2019

Police Department Monthly Report - November 2019

Planning Department Monthly Report - November 2019

FOIA Monthly Report - Clerk's Office - November 2019

FOIA Monthly Report - Police Department - November 2019

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$1,297,166.47	\$373,910.28	\$1,671,076.75
Solid Waste Fund	226	151,599.08	409.95	152,009.03
Improvement Revolving (Capital)	246	0.00	0.00	0.00
Drug Forfeiture Fund	265	0.00	0.00	0.00

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, December 10, 2019
7:00 PM



Drug Forfeiture State	266	0.00	0.00	0.00
Drug Forfeiture IRS	267	0.00	0.00	0.00
Golf Course Fund	510	134.00	3449.42	3,583.42
Senior Transportation	588	9,940.14	0.00	9,940.14
Water/Sewer Fund	592	1,603,152.59	401,544.03	2,004,696.62
Trust and Agency	701	61,252.13	0.00	61,252.13
Police Bond Fund	702	5,916.00	0.00	5,916.00
Tax Pool	703	0.00	0.00	0.00
Special Assessment Capital	805	15,928.25	31,057.25	46,985.50
TOTALS:		\$3,145,088.66	\$810,370.93	\$3,955,459.59

E. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 minutes)

F. NEW BUSINESS

1. MITC Brownfield Plan Public Hearing, *Supervisor Kurt Heise and Clerk Jerry Vorva*
2. Revocation of Verita "Site 3" Brownfield Plan, **Resolution #2019-12-10-108**, *Supervisor Kurt Heise*
3. MITC Brownfield Plan Adoption, **Resolution #2019-12-10-109**, *Supervisor Kurt Heise and Trustee Gary Heitman*
4. Henry Ford Hospital Project PUD Amendments, **Resolution #2019-12-10-110**, *Planning Director Laura Haw and Attorney Kevin Bennett*
5. General Drive Hearing of Assessment, *Public Services Director Patrick Fellrath and OHM Advisors Principal George Tsakoff*

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, December 10, 2019
7:00 PM



6. Adoption of General Drive Reconstruction Special Assessment District (SAD) and Assessment Roll, **Resolution #2019-12-10-111**, *Public Services Director Patrick Fellrath and OHM Advisors Principal George Tsakoff*
7. 2019-2024 Collective Bargaining Agreement with Firefighter's Union, **Resolution #2019-12-10-112**, *Supervisor Kurt Heise and Fire Chief Dan Phillips*
8. Fourth Quarter Budget Amendments, **Resolution #2019-12-10-113**, *Treasurer Mark Clinton and Finance Director Ginger Moriarty*
9. Annual Designation of Depositories, **Resolution #2019-12-10-114**, *Treasurer Mark Clinton*
10. 2020 Board of Trustees Meeting Schedule, **Resolution #2019-12-10-115**, *Clerk Jerry Vorva*
11. Re-Appointments to ZBA (x3), **Resolution #2019-12-10-116**, *Supervisor Kurt Heise*

G. SUPERVISOR AND TRUSTEE COMMENTS

H. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes)

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: 1-800-649-3777 (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
DECEMBER 10, 2019**

CONSENT AGENDA

**ITEM D.1
APPROVAL OF MINUTES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

Supervisor Heise called the meeting to order at 7:00 p.m.

MEMBERS PRESENT: Kurt Heise, Supervisor
Mark Clinton, Treasurer
Charles Curmi, Trustee
Jack Dempsey, Trustee
Robert Doroshewitz, Trustee
Gary Heitman, Trustee
Jerry Vorva, Clerk

MEMBERS ABSENT: None

OTHERS PRESENT: Patrick Fellrath, P.E., Dir. of Public Services
Dan Phillips, Fire Chief
Thomas Tiderington, Police Chief
Kevin Bennett, Township Attorney
Jeremy Shrot, Spalding DeDecker Associates
Sue Brams, Exec. Asst. to Supervisor
13 Members of the Public

A. PLEDGE OF ALLEGIANCE – Clerk Jerry Vorva

B. APPROVAL OF AGENDA
Tuesday, November 12, 2019

Supervisor Heise asked that Item F.5, Resolution of Support for Robert Bosch LLC Application to the "Good Jobs for Michigan" Program, be removed from the agenda at their request.

Moved by Clerk Vorva and seconded by Trustee Heitman to approve the agenda for the Board of Trustees regular meeting of November 12, 2019, as amended.

C. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:
Regular Meeting – Tuesday, October 8, 2019

D.2 Acceptance of Communications, Resolutions, Reports
Building Department Monthly Report - September 2019
Building Department Monthly Report - October 2019

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

Fire Department Monthly Report - September 2019
 Fire Department Monthly Report - October 2019
 Police Department Monthly Report - September 2019
 Police Department Monthly Report - October 2019
 Planning Department Monthly Report - September 2019
 Planning Department Monthly Report - October 2019
 FOIA Monthly Report - Clerk's Office - September 2019
 FOIA Monthly Report - Clerk's Office - October 2019
 FOIA Monthly Report - Police Department - September 2019
 FOIA Monthly Report - Police Department - October 2019
 Thank you to Aaron Bigger and Pete Bukis – The Dickie Family

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$848,741.51	\$156,455.60	\$1,005,197.11
Solid Waste Fund	226	109,390.25	468.62	109,858.87
Improvement Revolving (Capital)	246	0.00	0.00	0.00
Drug Forfeiture Fund	265	0.00	1,100.00	1,100.00
Drug Forfeiture State	266	0.00	0.00	0.00
Drug Forfeiture IRS	267	0.00	472.05	472.05
Golf Course Fund	510	134.00	0.00	134.00
Senior Transportation	588	5,568.44	11.08	5,579.52
Water/Sewer Fund	592	180,464.29	438,911.54	619,375.83
Trust and Agency	701	124,367.27	12,053.76	136,421.03

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

Police Bond Fund	702	28,014.00	0.00	28,014.00
Tax Pool	703	383,252.64	0.00	383,252.64
Special Assessment Capital	805	2,457.77	3,281.50	5,739.27
TOTALS:		\$1,682,390.17	\$612,754.15	\$2,295,144.32

Moved by Trustee Heitman and seconded by Clerk Vorva to approve the consent agenda for the Board of Trustees regular meeting of November 12, 2019. Ayes all.

D. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 minutes) – None

Clerk Vorva introduced Ginger Moriarity, the newly hired Finance Director.

E. NEW BUSINESS

Copies of the resolutions and attachments referred to below are available in the Clerk's office for public perusal.

1. Public Hearing on Proposed 2020 Budget, *Clerk Jerry Vorva*

Moved by Clerk Vorva and seconded by Trustee Heitman to open the public hearing on the proposed 2020 Budget at 7:17 p.m. Ayes all on a roll call vote.

There being no comment from the public, it was moved by Trustee Heitman and seconded by Clerk Vorva to close the public hearing at 7:18 p.m. Ayes all on a roll call vote.

2. 2020 Charter Township of Plymouth General Appropriations Act and 2020 Budget Adoption, **Resolution #2019-11-12-100**, *Supervisor Kurt Heise and Treasurer Mark Clinton*

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2019-11-12-100**, authorizing the adoption of the 2020 Charter Township of Plymouth General Appropriations Act and the 2020 Budget as outlined and attached in accordance with the terms and conditions contained therein. Ayes all on a roll call vote.

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

3. Colony Farms SAD Engineering Request, **Resolution #2019-11-12-101**,
Public Services Director Patrick Fellrath

Patrick Fellrath, Dir. of Public Services, indicated that in September the petition signatures represented at least 51% of the front footage, but less than 51% of the total units. It was communicated to the Homeowners' Association to collect additional signatures (which has now been done) to meet both criteria. Support is now 53.9% for number of units and 75.1% for total front footage. The condo units are also included in the SAD.

The secretary of the Colony Farms Condo Association (also a member of the Colony Farms HOA) expressed the association's objections to the SAD and has sent a letter to that effect. He noted that their private road, Colony Farms Circle, is totally maintained by their condo association. He maintained that the condo area only represents 5.5% of the frontage, but the 48 condo owners will end up paying 33% of the project. He asked that the Board either reject the proposal or require that at least 50% of the condo owners' signatures be required.

The Board also had questions regarding what other costs of the HOA might be shared by the condo association such as snow removal and pond maintenance.

The treasurer of the Colony Farms Homeowners Association read from the subdivision agreement and by-laws. Each household has a vote and the condo association solicits information from their members and has one vote. Of the dues collected, 20.196% comes from the condo association. The money pays for the all of the common areas and services.

A gentleman involved in the SAD for Plymouth Meadows Subdivision, offered his support for the Colony Farms project.

Treasurer Clinton discussed with a resident how it was resolved in the Deer Creek Subdivision where he resides, whereby the condo owners paid the same amount as the homeowners, although they maintained their own road.

Moved by Clerk Vorva and seconded by Trustee Heitman to adopt **Resolution #2019-11-12-101** authorizing the engineering firm OHM Advisors to perform preliminary engineering under Step F of the Township's Summary of Events: SAD Program for Road Improvements dated July 2019 for the proposed Colony Farms Subdivision SAD Road Improvements project as submitted and described on the

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

received petition for a cost not to exceed Fourteen Thousand Eight Hundred Dollars (\$14,800.00). Ayes all on a roll call vote.

4. Plymouth Meadows SAD Engineering Request, **Resolution #2019-11-12-102**, *Public Services Director Patrick Fellrath*

Director Fellrath noted that the petition signatures represent 51% or greater of both the total frontage and total number of units.

A homeowner in the SAD area expressed his support of the project.

Another homeowner, who recently moved to the area with small children, also expressed his support.

Moved by Clerk Vorva and seconded by Trustee Curmi to adopt **Resolution #2019-11-12-102** authorizing the engineering firm OHM Advisors to perform preliminary engineering under Step F of the Township's Summary of Events: SAD Program for Road Improvements dated July 2019 for the proposed Plymouth Meadows Subdivision SAD Road Improvements project as submitted and described on the received petition for a cost not to exceed Eleven Thousand Five Hundred Dollars (\$11,500.00). Ayes all on a roll call vote.

5. Resolution of Support for Robert Bosch LLC Application to the "Good Jobs for Michigan" Program, **Resolution #2019-11-12-103**, *Supervisor Kurt Heise and Trustee Gary Heitman*

The item above was removed from the agenda.

6. Resolution to Designate New Voting Precinct Locations, **Resolution #2019-11-12-104**, *Clerk Jerry Vorva*

Clerk Vorva explained the need for moving Precinct 3 from Township Hall to Allen Learning Academy because of the need for additional absentee ballot counting space in Township Hall and the need for relocating Precinct 9 from Living Word Church to Northridge Church because of possible construction in the area at election time. Voters will be advised individually by mail, by Township newsletter and on the website.

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2019-11-12-104** authorizing the relocation of Precinct 3 to Allen Early Learning Academy and Precinct 9 to Northridge Church. Ayes all on a roll call vote.

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, NOVEMBER 12, 2019**

PROPOSED MINUTES

7. Rayyan Center Storm Drain Agreement, **Resolution #2019-11-12-105**,
Township Engineer Jeremy Schrot

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2019-11-12-105** authorizing the Township Supervisor to sign the Wayne County Permit M-49095 and approve the storm drain agreement with Rayyan Center and authorize the Township Supervisor and Clerk to execute same. Ayes all on a roll call vote.

8. Rayyan Center Water Main Agreement, **Resolution #2019-11-12-106**,
Township Engineer Jeremy Schrot

Moved by Clerk Vorva and seconded by Trustee Heitman to adopt **Resolution #2019-11-12-106** authorizing the Township Clerk, Township Attorney, and Township Engineer to sign the water main agreement for Rayyan Center and to authorize the recording of same. Ayes all on a roll call vote.

9. Plymouth Park & Eats Storm Drain Agreement, **Resolution #2019-11-12-107**,
Township Engineer Jeremy Schrot

Moved by Trustee Heitman and seconded by Trustee Dempsey to adopt **Resolution #2019-11-12-107** authorizing the Township Supervisor to sign the Wayne County Permit C-51207 and approve the storm drain agreement with Nextgen Detroit – Plymouth Park & Eats, LLC, and authorize the Township Supervisor and Clerk to execute same. Ayes all on a roll call vote.

F. SUPERVISOR AND TRUSTEE COMMENTS

Supervisor Heise noted that the next regular meeting will be held on December 10.

H. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes) - None

I. ADJOURNMENT

Moved by Trustee Heitman and seconded by Trustee Dempsey too adjourn the meeting at 8:44 p.m. Ayes all.

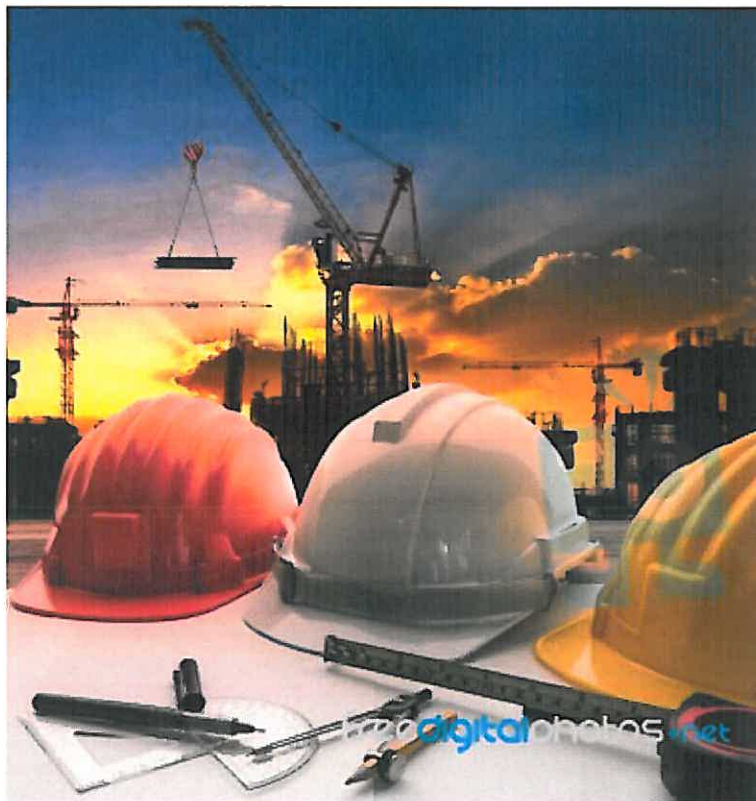
Jerry Vorva, Township Clerk

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

CONSENT AGENDA

**ITEM D.2
ACCEPTANCE OF COMMUNICATIONS,
RESOLUTIONS, REPORTS
NOVEMBER, 2019**

CHARTER TOWNSHIP OF PLYMOUTH
DEPARTMENT OF BUILDING & CODE ENFORCEMENT



MONTHLY REPORT

**NOVEMBER
2019**

Building Department 2019

[illegible]

New Commerical Building for 2019

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Webasto	14200 Haggerty	New building	18,197,930	Issued	
Taco Bell	47673 5 Mile RD	New building	750,000	Issued	September
Plymouth Plaza	Beck RD	Shell/foundation	500,000	Issued	October
Total Construction Value			19,447,930		

New Commercial Additions/Alterations for 2019

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Freudenberg	47690 Anchor CT	Hydrogen tank	30,000	Issued	January
Anderson Process	41304 Concept	Tenant Finish	140,000	Issued	January
Michigan Medical Association	9401 General DR	Tenant Finish	85,000	Issued	January
Lairds Glass	42320 Ann Arbor Rd	Exterior remodel	53,200	Issued	January
Burrough's	41100 Plymouth Rd	3rd floor lobby/conference	125,000	Issued	January
Buddy's Pizza	15075 Beck RD	Tenant Finish	380,000	Issued	February
St John's Conference Center	44045 Five Mile	Bathroom updates	60,000	Issued	March
Burrough's	41100 Plymouth Rd	Remodel 18 bathrooms	225,000	Issued	March
Peak Wealth Management	41011 Ann Arbor RD	Interior remodel	80,000	Issued	March
Adient US LLC	49200 Halyard	Phase 2D Interior	1,250,000	Issued	March
Comprehensive Care Specialist	45211 Helm	Tenant Finish	400,000	Issued	April
Hock DDS	44560 Ann Arbor RD	Tenant Finish	244,300	Issued	April
Link Engineering	41100 Plymouth Rd	Tenant Finish	250,000	Issued	April
Rivian	13250 Haggerty RD	Tenant Finish	900,000	Issued	April
Banks Vacuum	937 Ann Arbor RD	Tenant Finish	20,000	Issued	May
Burrough's	41100 Plymouth Rd	Tenant Finish	88,000	Issued	May
Burrough's	41101 Plymouth Rd	Tenant Finish	800	Issued	May
Burrough's	41102 Plymouth Rd	Tenant Finish	148,000	Issued	May
Adient US LLC	49200 Halyard	Site Improvements	3,300,000	Issued	May
Freudenberg	47690 Anchor CT	Hydrogen tank	173,000	Issued	May
Cygnet	9120 General DR	Truck wells	201,319	Issued	June
Plymouth Parks & Eats	39411 Schoolcraft	Dumpster enclosure	3,000	Issued	June
Powers and Sons LLC	47676 Galleon	Tenant Finish	35,000	Issued	June

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Baptist State Conventioning	41100 Plymouth RD #315	Tenant Finish	46,000	Issued	June
Hines Park Lincoln	40601 Ann Arbor RD	Car wash addition	200,000	Issued	June
Chase Bank	235 Sheldon RD	Solar Panels	12,489	Issued	July
PI-Innovo	47047 5 Mile RD	Tenant Finish	500,000	Issued	July
General Plymouth LLC	11333 General DR	Interior remodel	22,000	Issued	July
Adient US LLC	49200 Halyard	Phase 2E	250,000	Issued	July
McDonald's	15110 Beck RD	Interior/exterior remodel	250,000	Issued	July
Bosch Corporation	15000 Haggerty	Flag Poles	10,870	Issued	July
Kroger Plaza	Ann Arbor RD	Asphalt	90,000	Issued	July
Innovaton Works	41100 Plymouth RD \$345	Tenant Finish	39,000	Issued	August
Chase Bank	235 Sheldon RD	Interior remodel	5,000	Issued	August
Adient US LLC	49200 Halyard Phase 3B	Interior remodel	550,000	Issued	August
General Plymouth LLC	11333 General DR	Truck wells	40,000	Issued	August
United Roads	41100 Plymouth RD 4th	Tenant Finish	699,271	Issued	August
Michigan Education Credit Union	9200 Haggerty	Interior remodel	58,000	Issued	August
Dunkin Donuts	39600 Ann Arbor RD	Addition	300,000	Issued	August
Adient COE Bldg	47700 Halyard	Interior remodel Phase 3C	687,000	Issued	August
Buddy's Pizza	15075 Beck RD	Awnings	12,300	Issued	August
Comcast	41112 Concept	Interior remodel	100,000	Issued	September
Great Lake Glass	12707 Eckles	Interior remodel	800,000	Issued	September
K&D Investments	989 Ann Arbor RD	White Box	15,000	Issued	September
Bosch Corporation	15000 Haggerty	Mezzanine	204,000	Issued	September
Amazon	12815 Premier Center	Tenant Finish	678,000	Issued	September
Plymouth Village LLC	14707 Northville RD	Parking lot repaving	64,000	Issued	September
Burroughs	41100 Plymouth RD	Elevators	590,000	Issued	October
Tula Technology	46029 5 Mile RD	Parking lot repaving	48,860	Issued	October
45355 Helm Property LLC	45355 Helm	Parking lot repaving	100,000	Issued	October
FAW US	47659 Halyard	Interior remodel	330,000	Issued	October
Hatteras Printing	13200 Haggerty	Tenant Finish	431,708	Issued	October
Oerlikon	41144 Concept	Nitrogen pump station	28,243	Issued	October
MJ Cabinet Designs	537 Ann Arbor RD	Tenant Finish	25,000	Issued	November
Rivian Phase II	13250 Haggerty RD	Tenant Finish	1,061,968	Issued	November
Carpore Sano	39475 Ann Abor RD	Addition	50,000	Issued	November
Burger King	44475 5 Mile RD	Interior/exterior remodel	365,000	Issued	November
SME	43980 Plymouth Oaks	Interior remodel	2,200,000	Issued	November
Coherent Rofin	40984 Concept	Interior remodel	195,000	Issued	November

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Magna	46600 Port	2 silos	168,000	Issued	November
General Plymouth LLC	11333 General DR	Interior remodel	78,980	Issued	November

Total Construction Value			19,497,308		
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Grand Total Construction Value			<u>38,945,238</u>		
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Revenue Breakdown Report

Page: 1 of 27

12/04/2019

Filter: All Records, Transaction.DateToPostOn in <Previous month> [11/01/19 - 11/30/19] AND
 Transaction.TransactionNumber Not = 67,079 AND
 Transaction.TransactionNumber Not = 67,078

Unit Totals		
Unit Name	Records	Revenue
	197	146,107.80
TOTAL	197	146,107.80

Record Type Totals		
Unit:	Records	Revenue
Permit	197	146,107.80
UNIT TOTAL:	197	146,107.80

Record Type Breakdowns		
Unit:		
Record Type: Permit	Records	Revenue
Building	88	97,430.00
Electrical	30	9,877.00
Mechanical	57	10,691.00
Plumbing	12	2,737.00
Sewer & Water	10	25,372.80
TOTAL:	197	146,107.80

146,135.00

Residential Housing 2019

Single Family Detached

	<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			
February	0			
March	1	1	658,484	4,896
April	0			
May	4	4	1,235,626	10,618
June	0			
July	0			
August	0			
September	0			
October	6	6	2,167,553	15,382
November	2	2	628,701	
December				
Totals	13	13	\$4,690,364	30,896

Single Family Attached (Townhouses/ Row Houses)

	<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			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	2	10	2,300,000	23,000
December	0			
Totals	2	10	\$ 2,300,000	23,000

Two-Family Buildings (Duplex)

	<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			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	0	0	\$ -	-

Three-or-more Family Building (Apartments/Stacked Condos)

	<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			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	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	15	23	\$ 6,990,364	53,896

Certificate of Occupancy List

12/04/2019

1/1

CofO Number	Status	Issued To	Address	CofO and Permit Dates		
OF19-0043 <u>Permit Number</u> PB19-0878	ISSUED (FINAL) <u>Applicant Name</u> Ryan Companies US, INC	Amazon	12815 PREMIER CENTER <u>Contractor</u> Ryan Companies US, INC	<u>CO Date Apply:</u> 11/08/2019 <u>Permit Date Apply:</u> 08/27/2019	<u>CO Date Finaled:</u> 11/08/2019 <u>Permit Date Issued:</u> 09/17/2019	
OF19-0044 <u>Permit Number</u> PB17-1028	ISSUED (FINAL) <u>Applicant Name</u> Smithsoneon LLC	LICHY, DAVID/ANGEL	11485 WAVERLY <u>Contractor</u> Smithsoneon LLC	<u>CO Date Apply:</u> 11/13/2019 <u>Permit Date Apply:</u> 10/30/2017	<u>CO Date Finaled:</u> 11/13/2019 <u>Permit Date Issued:</u> 1/20/2017	
OF19-0046 <u>Permit Number</u> PB18-0176	ISSUED (FINAL) <u>Applicant Name</u> STASSINOS LIVONIA LLC	Global CNC Industries	15150 CLEAT ST <u>Contractor</u> STASSINOS LIVONIA LLC	<u>CO Date Apply:</u> 11/14/2019 <u>Permit Date Apply:</u> 03/20/2018	<u>CO Date Finaled:</u> 11/13/2019 <u>Permit Date Issued:</u> 04/09/2018	
OF19-0047 <u>Permit Number</u> PB19-1107	ISSUED (FINAL) <u>Applicant Name</u> PLAZA LANES	PLAZA LANES	42001 ANN ARBOR RD <u>Contractor</u>	<u>CO Date Apply:</u> 11/06/2019 <u>Permit Date Apply:</u> 10/16/2019	<u>CO Date Finaled:</u> 11/06/2019 <u>Permit Date Issued:</u> 2/02/2019	

All Records

Co.DateFinaled Between 11/1/2019 12:00:00 AM AND
11/30/2019 11:59:59 PM AND
Co.Status = ISSUED (FINAL)

Number of CofO's: 4



Plymouth Township Fire Department

Monthly Report

November 2019

Response Information:

The Plymouth Township Fire Department responded to **256** emergencies this month.

There was an average of **8.53** runs per day this month.

PTFD's average response time was **5 minutes 16 seconds** 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		4
Northville City	1	1
Northville Township	2	3
HVA	1	

EMS Information:

HVA transported **77** patients to the hospital.

Plymouth Township Fire transported **23** patients to the hospital.

Plymouth transports billed out **\$14,445.00** this month, received **\$15,962.32** and have **\$10,848.01** in outstanding bills over 180 days.

Fire Loss:

There were **3** fires this month that accounted for **\$11,600.00** worth of damage to possessions and property.

We prevented the destruction of **\$8,350,000.00** in property.

Fire Prevention:

Plymouth Township Fire Department provided **48** comprehensive fire inspections to businesses within Plymouth Township.

Fire Safety public education classes in CPR, Fire Extinguisher and Fire Safety are provided throughout the year.

This month, the department conducted **3** fire safety talks to a total of **29** participants.

In January run a 12 month/yearend 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

Yearend - include total training hours

Incident Type Count Report

Date Range: From 11/1/19 To 11/30/19

Selected Station(s): all



Count

Station:

322 - Vehicle accident with injuries	1	.4%
Total - Rescue & Emergency Medical Service Incidents	1	.4%
Total for Station	1	.4%

Station: MA

611 - Dispatched & cancelled en route	3	1.2%
Total - Good Intent Call	3	1.2%
Total for Station	3	1.2%

Station: ST1

111 - Building fire	1	.4%
118 - Trash or rubbish fire, contained	1	.4%
Total - Fires	2	.8%
321 - EMS call, excluding vehicle accident with injury	62	24.2%
322 - Vehicle accident with injuries	9	3.5%
Total - Rescue & Emergency Medical Service Incidents	71	27.7%
424 - Carbon monoxide incident	3	1.2%
442 - Overheated motor	1	.4%
444 - Power line down	2	.8%
Total - Hazardous Conditions (No fire)	6	2.3%
500 - Service Call, other	1	.4%
553 - Public service	1	.4%
554 - Assist invalid	2	.8%
561 - Unauthorized burning	2	.8%
Total - Service Call	6	2.3%
600 - Good intent call, other	1	.4%
611 - Dispatched & cancelled en route	6	2.3%
6111 - Hospice Death	1	.4%
611E - EMS: Dispatched & cancelled en route	1	.4%
651 - Smoke scare, odor of smoke	1	.4%
Total - Good Intent Call	10	3.9%
700 - False alarm or false call, other	6	2.3%
735 - Alarm system sounded due to malfunction	1	.4%
744 - Detector activation, no fire - unintentional	1	.4%

3 of 20

	<u>Count</u>	
Total - False Alarm & False Call	8	3.1%
9001 - Dispatch Error	3	1.2%
Total - Special Incident Type	3	1.2%
Total for Station	106	41.4%

Station: ST2

321 - EMS call, excluding vehicle accident with injury	46	18.0%
322 - Vehicle accident with injuries	2	.8%
353 - Removal of victim(s) from stalled elevator	1	.4%
Total - Rescue & Emergency Medical Service Incidents	49	19.1%
412 - Gas leak (natural gas or LPG)	1	.4%
444 - Power line down	1	.4%
Total - Hazardous Conditions (No fire)	2	.8%
554 - Assist invalid	4	1.6%
Total - Service Call	4	1.6%
6111 - Hospice Death	1	.4%
Total - Good Intent Call	1	.4%
735 - Alarm system sounded due to malfunction	1	.4%
743 - Smoke detector activation, no fire - unintentional	1	.4%
745 - Alarm system sounded, no fire - unintentional	1	.4%
Total - False Alarm & False Call	3	1.2%
Total for Station	59	23.0%

Station: ST3

100 - Fire, other	1	.4%
130 - Mobile property (vehicle) fire, other	1	.4%
Total - Fires	2	.8%
300 - Rescue, emergency medical call (EMS) call, other	1	.4%
320 - Emergency medical service, other	1	.4%
321 - EMS call, excluding vehicle accident with injury	47	18.4%
322 - Vehicle accident with injuries	4	1.6%
Total - Rescue & Emergency Medical Service Incidents	53	20.7%
412 - Gas leak (natural gas or LPG)	2	.8%
424 - Carbon monoxide incident	1	.4%
444 - Power line down	2	.8%
Total - Hazardous Conditions (No fire)	5	2.0%
550 - Public service assistance, other	1	.4%
551 - Assist police or other governmental agency	1	.4%
552 - Police matter	1	.4%
554 - Assist invalid	1	.4%
Total - Service Call	4	1.6%
611 - Dispatched & cancelled en route	9	3.5%
Total - Good Intent Call	9	3.5%

	<u>Count</u>	
700 - False alarm or false call, other	5	2.0%
711 - Municipal alarm system, malicious false alarm	1	.4%
715 - Local alarm system, malicious false alarm	1	.4%
733 - Smoke detector activation due to malfunction	2	.8%
736 - CO detector activation due to malfunction	1	.4%
740 - Unintentional transmission of alarm, other	1	.4%
746 - Carbon monoxide detector activation, no CO	1	.4%
Total - False Alarm & False Call	12	4.7%
900 - Special type of incident, other	1	.4%
9001 - Dispatch Error	1	.4%
Total - Special Incident Type	2	.8%
Total for Station	87	34.0%
	256	100.0%

Municipal Response Times Report

For Dates Beginning 11/1/19 Ending 11/30/19

Incident Types selected for analysis: All

For All Priority Types



Time in Minutes	Alarm to Dispatch	Percent Total	Cumulative		Dispatch to Enroute	Percent Total	Cumulative		Enroute to Arrival	Percent Total	Cumulative		Alarm to Arrival	Percent Total	Cumulative		Dispatch to Arrival	Percent Total	Cumulative	
			Responses	Percent			Responses	Percent			Responses	Percent			Responses	Percent			Responses	Percent
0 - 1	154	63.37	154	63.37	78	34.06	78	34.06	14	6.45	14	6.45	6	2.64	6	2.64	8	3.52	8	3.52
1 - 2	76	31.28	230	94.65	98	42.79	176	76.86	24	11.06	38	17.51	3	1.32	9	3.96	6	2.64	14	6.17
2 - 3	10	4.12	240	98.77	38	16.59	214	93.45	42	19.35	80	36.87	9	3.96	18	7.93	19	8.37	33	14.54
3 - 4	1	0.41	241	99.18	11	4.80	225	98.25	51	23.50	131	60.37	21	9.25	39	17.18	39	17.18	72	31.72
4 - 5	1	0.41	242	99.59	0	0.00	225	98.25	33	15.21	164	75.58	39	17.18	78	34.36	43	18.94	115	50.66
5 - 6	0	0.00	242	99.59	2	0.87	227	99.13	22	10.14	186	85.71	48	21.15	126	55.51	45	19.82	160	70.48
6 - 7	1	0.41	243	100.00	1	0.44	228	99.56	9	4.15	195	89.86	29	12.78	155	68.28	26	11.45	186	81.94
7 - 8	0	0.00	243	100.00	0	0.00	228	99.56	11	5.07	206	94.93	28	12.33	183	80.62	14	6.17	200	88.11
8 - 9	0	0.00	243	100.00	0	0.00	228	99.56	4	1.84	210	96.77	18	7.93	201	88.55	9	3.96	209	92.07
9 - 10	0	0.00	243	100.00	1	0.44	229	100.00	2	0.92	212	97.70	9	3.96	210	92.51	7	3.08	216	95.15
10 +	0	0.00	243	100.00	0	0.00	229	100.00	5	2.30	217	100.00	17	7.49	227	100.00	11	4.85	227	100.00

Incident
Total:

243

Average Times per Incident

Average PSAP Processing Time: 0 minute(s) 50 second(s)
(Alarm to Dispatch) Percent less than or equal to 60 Seconds: 63.37
Percent less than or equal to 90 Seconds: 84.36

Average Fire Department Turn Out Time: 1 minute(s) 31 second(s)
(Dispatch to Enroute)

Average Fire Department Turn Out and Travel Time: 5 minute(s) 16 second(s)
(Dispatch to Arrive)

Average Municipal Response Time: 6 minute(s) 7 second(s)
(Alarm to Arrive)

Percentile Response Times in Accordance with NFPA Standards

PSAP Processing Time less than 60 seconds: 63.37%
(Alarm to Dispatch)

Fire Department Turn Out Time less than 60 seconds: 34.06%
(Dispatch to Enroute)

Fire Department Travel Time less than 4 minutes: 60.37%
(Enroute to Arrive)

60.37%

Listing of Mutual Aid Responses by Mutual Aid Department



Time Period: 11/1/19 - 11/30/19

Department: Canton Twp FD

Mutual aid given

190002593	11/5/19 6:46:21PM	3	08204	42600 CHERRY HILL
190002671	11/14/19 2:29:55PM	3	08204	42595 FORD
190002675	11/15/19 9:02:48AM	3	08204	2422 N LEXINGTON
190002687	11/15/19 7:04:46PM	3	08204	42264 ADDISON

Subtotal Mutual aid given 4

Subtotal Canton Twp FD 4

Department: City of Northville FD

Automatic aid received

190002659	11/13/19 1:28:06PM	2	08232	14707 NORTHVILLE RD
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Subtotal Automatic aid received 1

Mutual aid given

190002733	11/24/19 2:15:04AM	3	08232	771 DAVIS
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Subtotal Mutual aid given 1

Subtotal City of Northville FD 2

Department: Northville Twp FD

Mutual aid received

190002719	11/21/19 3:03:19PM	1	08255	STATE HWY
190002775	11/27/19 1:48:06PM	1	08255	44011 FIVE MILE RD

Subtotal Mutual aid received 2

Mutual aid given

190002586	11/5/19 9:46:21AM	3	08255	HAGGERTY RD
190002587	11/5/19 10:07:07AM	3	08255	16980 CARRIAGE WAY
190002647	11/11/19 9:52:20PM	3	08255	15870 HAGGERTY RD

Subtotal Mutual aid given 3

Subtotal Northville Twp FD 5

Department: Huron Valley Ambulance

Mutual aid received

190002775	11/27/19 1:48:06PM	1	HVA	44011 FIVE MILE RD
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Time Period: 11/1/19 - 11/30/19

<i>Subtotal Mutual aid received</i>	1
<i>Subtotal Huron Valley Ambulance</i>	1

Total	11
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Agency Activity Summary

Plymouth Township Fire Dept

Agency: Plymouth Township Fire Dept | Service Date: From 11/01/2019 Through
11/30/2019 | Run Disposition: All Transports, Treated and Transferred Care

Total Number of ePCRs: 100

Total Number of Incidents: 99

By Branch

01 Station 1 = 40

02 Station 2 = 21

03 Station 3 = 39

Run Disposition

	#	%		#	%
Treated/Transported	23	23.0%	Dead Prior To Arrival	N/A	N/A
Treated / Transferred Care	77	77.0%	Dead After Arrival	N/A	N/A
Treated/No Transport (AMA)	N/A	N/A	Treat/Transported by Private Veh.	N/A	N/A
Treated / No Transport (Per Protocol)	N/A	N/A	Assist	N/A	N/A
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	100	100.0%	Non-Emergency Runs	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 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	3	1	2	0	0	0	0	0	0	0	0	0	0	0
RES1	37	11	26	0	0	0	0	0	0	0	0	0	0	0
RES2	18	6	12	0	0	0	0	0	0	0	0	0	0	0
RES3	42	5	37	0	0	0	0	0	0	0	0	0	0	0
Total	100	23	77	0	0	0	0	0	0	0	0	0	0	0

Runs by Service Level

Dispatched Service Level	#	%	Recommended Service Level	#	%
BLS	6	6.0%	BLS	78	78.0%
ALS	94	94.0%	ALS1	22	22.0%
SCT	N/A	N/A	ALS2	N/A	N/A
			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.	3	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	3.0%
Medicare	1	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1.0%
	1	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1.0%
None	77	77.0%	22	22.0%	N/A	N/A	N/A	N/A	N/A	N/A	99	99.0%

Runs by Primary PI (Note - Primary PI is based on the ICD-10 priority setup in HealthEMS)

Description	#	%
Abdominal Pain	7	7.0%
Allergic Reaction	1	1.0%
Anxiety	3	3.0%
Asthma Symptoms	1	1.0%
Back Pain (No Trauma)	4	4.0%
Behavioral Disorder	2	2.0%
CVA/Stroke	2	2.0%
Cardiac Symptoms	1	1.0%
Chest Pain	5	5.0%
Cough W/Blood	1	1.0%
Depression (acute)	1	1.0%
Diabetic Symptoms	1	1.0%
Dizziness	5	5.0%
Dyspnea-SOB	10	10.0%
Flu Symptoms	3	3.0%
GI -Bleed	2	2.0%
Headache (no trauma)	1	1.0%
Hemorrhage-(severe medical)	2	2.0%
Monitoring Required	5	5.0%
Nausea	2	2.0%
No Medical Problem	1	1.0%
OB/Gyn (comp.)	1	1.0%
Poisoning	1	1.0%
Psychiatric Emerg.	3	3.0%
Seizure	4	4.0%
Syncopal/Fainting	1	1.0%
Trauma Injury	14	14.0%
Unconscious	1	1.0%
Unknown Medical	3	3.0%
Vomiting	3	3.0%
Weakness	7	7.0%
Left Blank	2	2.0%
Total	100	100.0%

Runs by Dispatch (EMD) Code

<u>Description</u>	<u>#</u>	<u>%</u>
1 Abdominal Pain	6	6.0%
10 Chest Pain [non-traumatic]	7	7.0%
12 Convulsions/Seizures	3	3.0%
13 Diabetic	1	1.0%
17 Falls	14	14.0%
18 Headache	1	1.0%
2 Allergies/Envenomations	1	1.0%
21 Hemorrhage/Lacerations	2	2.0%
23 Overdose/poisoning	1	1.0%
25 Psychiatric/Abnormal behavior/Suicide Attempt	4	4.0%
26 Sick Person	24	24.0%
29 Traffic/Accidents	7	7.0%
30 Traumatic Injuries	6	6.0%
31 Unconscious/Fainting	3	3.0%
32 Unknown Problem	3	3.0%
5 Back Pain	4	4.0%
6 Breathing Problems	10	10.0%
88 Not applicable	2	2.0%
99 Unknown	1	1.0%
<i>Left Blank</i>	0	0.0%
<i>Total</i>	100	100.0%

11 of 20

Transport From (Category)

	<u>#</u>	<u>%</u>
--Left Blank--	100	100.0%
<i>Total</i>	100	100.0%

Transport From (Facility)

	<u>#</u>	<u>%</u>
--Left Blank--	100	100.0%
<i>Total</i>	100	100.0%

Transport To (Destination Facility)

	<u>#</u>	<u>%</u>
St Mary Livonia ER	79	79.0%
St Joe Ann Arbor ER	7	7.0%
UNIVERSITY OF MICHIGAN ER	6	6.0%
Henry Ford West Bloomfield	2	2.0%
Beaumont Dearborn	2	2.0%
Annapolis (Beaumont Wayne)	1	1.0%
Beaumont Farmington Hills (Botsford)	1	1.0%
C.S. Mott Children's Hospital	1	1.0%
Beaumont Canton	1	1.0%
<i>Total</i>	100	100.0%

12/3/20

Aging Summary

PLYMOUTH MONTHLY AGING REPORT

Report As Of November 30, 2019

Grouped By Schedule on Call

ID	Description	Calls	Current	31 to 60	61 to 90	91 to 120	121 to 150	151 to 180	Over 180	Total
1APMR	APPEAL - MEDICARE	1	0.00	0.00	0.00	300.00	0.00	0.00	0.00	300.00
1CONS1500	PAPER - CONTRACT	1	0.00	0.00	0.00	0.00	0.00	0.00	698.00	698.00
1MRP	PAPER - MEDICARE	5	1243.80	752.00	0.00	1288.80	0.00	0.00	0.00	3282.40
APPL	APPEAL PATIENT 30	2	0.00	550.00	0.00	0.00	722.00	0.00	0.00	1282.00
BCBS	ELECT BCBS	0	1404.40	2226.00	734.00	0.00	0.00	0.00	0.00	4364.40
CAID	ELECT MEDICAID	1	0.00	0.00	0.00	0.00	0.00	574.40	0.00	574.40
CAIP	PAPER MEDICAID R	1	0.00	0.00	0.00	0.00	0.00	0.00	551.80	551.80
CARE	ELECT - MEDICARE	3	1494.40	830.00	0.00	0.00	0.00	0.00	0.00	2324.40
CAREBL	ELECT MEDICARE P	2	0.00	1110.24	0.00	0.00	0.00	0.00	0.00	1110.24
CRED	MHR REFUND CREDI	1	0.00	0.00	0.00	0.00	0.00	0.00	-722.00	-722.00
FIREINS	FIRE RECOVERY 15	2	0.00	0.00	0.00	0.00	0.00	0.00	450.00	450.00
INSU	PAPER INS PRIMAR	6	572.00	500.00	187.50	0.00	0.00	0.00	761.00	2020.50
NEIC	ELECT INS NEIC	1	0.00	572.00	0.00	0.00	0.00	0.00	0.00	572.00
NEICCAID	ELECT MEDICAID NE	1	596.00	0.00	0.00	0.00	0.00	0.00	0.00	596.00
NOTC	NOTICE PRIVATE HI	1	675.20	0.00	0.00	0.00	0.00	0.00	0.00	675.20
PCAR	PAPER MEDICARE	2	0.00	0.00	1543.60	0.00	0.00	0.00	0.00	1543.60
PPAR	PAPER BCBS PARTI	1	0.00	99.00	0.00	0.00	0.00	0.00	0.00	99.00
PRV2	PAPER - PRIVATE P	52	9193.50	11259.78	3550.96	1853.50	414.02	3158.97	0.00	29428.73
REVIEW	REVIEW	13	0.00	722.00	0.00	2753.37	1085.00	247.10	359.41	5166.88
SINS	PAPER INS SECOND	2	109.27	0.00	99.13	0.00	0.00	0.00	0.00	205.40
TIME	TIME PAY ACCOUNT	1	0.00	0.00	0.00	0.00	0.00	0.00	614.00	614.00
U	MHR HOLD FOR MH	31	0.00	0.00	0.00	602.00	426.00	808.00	8136.00	9772.00
ZIR	ZIRMED 2	1	0.00	0.00	0.00	0.00	0.00	710.00	0.00	710.00
Totals		137	15288.37	18631.02	6112.19	6795.67	2647.02	5296.47	10648.01	55818.75

Charge Summary

LYMOUTH MONTHLY CHARGE REPORT

Summary By Charge Code - Code Description

ID	Description	QTY	QTY %	Charge Count	Charge Count	Charges	Total Charge %
0427	ALS EMERGENCY	11	6.04	11	25.58	7150.00	49.50
0429	BLS EMERGENCY	10	5.49	10	23.26	5000.00	34.61
0425MC	CMS MILEAGE	47	25.82	6	13.95	564.00	3.90
0425	MILEAGE	113	62.09	15	34.88	1358.00	9.39
MVA	MOTOR VEHICLE ACCIDENT	1	0.55	1	2.33	375.00	2.60
Totals For All		182		43		14445.00	

Credit Summary

PLYMOUTH MONTHLY CREDIT REPORT

Summary By Credit As - Code Description

ID	Description	Credits	QTY %	Amount	Amount %
2	Adjustment	26	32.89	4135.78	25.91
1	Other Payment	34	44.74	7795.10	48.83
4	Other Refund	1	1.32	-479.62	-3.00
6	Patient Payment	4	5.28	828.96	5.19
5	Write Off	12	16.79	3682.10	23.07
Totals For All		78		15962.32	

Incident Summary by Incident Type

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Total for Station: ST1	38	00:04:27	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	16	00:06:05	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:02:27	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:04:46	\$ 0.00	\$ 0.00
Total for Station: ST2	21	00:05:20	\$ 0.00	\$ 0.00
Station: ST3				
Rescue & Emergency Medical Service Incidents	17	00:07:35	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:06:17	\$ 0.00	\$ 0.00
Service Calls	1	00:03:35	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	3	00:04:06	\$ 0.00	\$ 0.00
Total for Station: ST3	26	00:06:03	\$ 0.00	\$ 0.00
Total for Shift: B	85.00	00:05:09	\$ 0.00	\$ 0.00
Shift: C				
Station: MA				
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
Total for Station: MA	2	00:00:00	\$ 0.00	\$ 0.00
Station: ST1				
Fires	2	00:06:43	\$ 10,750.00	\$ 348,000.00
Rescue & Emergency Medical Service Incidents	26	00:06:15	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:08:19	\$ 750.00	\$ 2,000.00
Good Intent Calls	1	00:05:46	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:05:40	\$ 0.00	\$ 0.00
Total for Station: ST1	31	00:06:19	\$ 11,500.00	\$ 350,000.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	14	00:06:56	\$ 0.00	\$ 0.00
Service Calls	2	00:06:27	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:05:22	\$ 0.00	\$ 0.00
Total for Station: ST2	17	00:06:47	\$ 0.00	\$ 0.00
Station: ST3				
Fires	2	00:04:35	\$ 100.00	\$ 8,000,000.00
Rescue & Emergency Medical Service Incidents	17	00:06:13	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:09:50	\$ 0.00	\$ 0.00
Service Calls	1	00:07:08	\$ 0.00	\$ 0.00
False Alarm & False Calls	5	00:05:48	\$ 0.00	\$ 0.00
Special Incident Types	1	00:00:18	\$ 0.00	\$ 0.00
Total for Station: ST3	27	00:05:58	\$ 100.00	\$ 8,000,000.00
Total for Shift: C	77.00	00:06:08	\$ 11,600.00	\$ 8,350,000.00
Total	256.00	774:54:30	\$ 11,600.00	\$ 8,350,000.00

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Incident Summary by Incident Type

For Dates: 11/1/19 - 11/30/19



Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
No Shift Entered				
No Station Entered				
Rescue & Emergency Medical Service Incidents	1	198,352:25:06	\$ 0.00	\$ 0.00
Total for No Station Entered	1	198,352:25:06	\$ 0.00	\$ 0.00
Total for No Shift Entered	1.00	198,352:25:06	\$ 0.00	\$ 0.00
Shift: A				
Station: MA				
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
Total for Station: MA	1	00:00:00	\$ 0.00	\$ 0.00
Station: ST1				
Rescue & Emergency Medical Service Incidents	27	00:05:35	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:05:50	\$ 0.00	\$ 0.00
Service Calls	1	00:09:55	\$ 0.00	\$ 0.00
Good Intent Calls	4	00:03:33	\$ 0.00	\$ 0.00
False Alarm & False Calls	3	00:09:10	\$ 0.00	\$ 0.00
Special Incident Types	1	00:00:01	\$ 0.00	\$ 0.00
Total for Station: ST1	37	00:05:38	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	19	00:06:03	\$ 0.00	\$ 0.00
Service Calls	2	00:06:52	\$ 0.00	\$ 0.00
Total for Station: ST2	21	00:06:07	\$ 0.00	\$ 0.00
Station: ST3				
Rescue & Emergency Medical Service Incidents	19	00:07:01	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:06:29	\$ 0.00	\$ 0.00
Service Calls	2	00:06:28	\$ 0.00	\$ 0.00
Good Intent Calls	6	00:00:54	\$ 0.00	\$ 0.00
False Alarm & False Calls	4	00:06:58	\$ 0.00	\$ 0.00
Special Incident Types	1	00:07:16	\$ 0.00	\$ 0.00
Total for Station: ST3	34	00:05:52	\$ 0.00	\$ 0.00
Total for Shift: A	93.00	00:05:46	\$ 0.00	\$ 0.00

Shift: B

Station: ST1				
Rescue & Emergency Medical Service Incidents	18	00:05:46	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	4	00:04:58	\$ 0.00	\$ 0.00
Service Calls	5	00:05:52	\$ 0.00	\$ 0.00
Good Intent Calls	5	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	4	00:04:01	\$ 0.00	\$ 0.00
Special Incident Types	2	00:00:01	\$ 0.00	\$ 0.00

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Inspection Volume

12/4/2019 8:43:51 AM

Filters:

- Inspection Source: **Internal Department Only**
- Start Date: **11/1/2019 12:00:00 AM**
- End Date: **11/30/2019 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-**
- Section Number: **-all-**

Volume by Inspector

Conroy, William	# of Inspections ¹	Violations Cited	Occupant Sq. Ft.
Annual ^{FS}	2		1,994
Semi-Annual (twice a year) ^{FS}	12		0
2-Year ^{FS}	8		1,800
3-Year ^{FS}	6		13,000
Final - Occupancy ^{FS}	5		15,000
Fire Alarm Test ^{FS}	1		5,000
Freedom of Information ^{FS}	1		57,000
Hydromatic Test ^{FS}	2		114,776
Plan Review ^{FS}	5		90,000
Re-inspect ^{FS}	2		20,000
3-Year (1) Reoccupancy (1)			
Total 2³			
Site Plan ^{FS}	4		228,000
Total	48	0	546,570

Totals

	# of Inspections ¹	Violations Cited	Violations Cleared ²	Violations Remaining	Occupant Sq. Ft.
Annual ^{FS}	2				1,994
Semi-Annual (twice a year) ^{FS}	12				0
2-Year ^{FS}	8				1,800
3-Year ^{FS}	6				13,000
Final - Occupancy ^{FS}	5				15,000
Fire Alarm Test ^{FS}	1				5,000
Freedom of Information ^{FS}	1				57,000
Hydromatic Test ^{FS}	2				114,776
Plan Review ^{FS}	5				90,000
Re-inspect ^{FS}	2				20,000
Site Plan ^{FS}	4				228,000
Total⁵	48	0	0	0	546,570

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

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

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

^{FS}Fire Safety Inspection.

⁵Filtering 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 CHARTER TOWNSHIP

Huron Valley Ambulance Annual Report

December 2019



HVA+

HURON VALLEY
AMBULANCE

A nonprofit community service.

17 of 20



1200 State Circle
Ann Arbor, 48108
734.477.6331

Your nonprofit community service

November 27, 2019

Enclosed please find the 2019 HVA Annual Report for Plymouth Township. We have been serving the local community in partnership with you since 1991 and we look forward to providing high-quality patient care to your residents under our new written contract.

The report provided summarizes information regarding transports, revenue and staffing during our Fiscal Year 2019 (July 2018-June 2019) for Plymouth Township. If there are additional details about this information that would be helpful to you, please let us know.

We see this report as an initial snapshot of the service we provide to Plymouth Township, and we will continue to build on the information in future years. Any suggestions you have are welcomed.

HVA is pleased to continue serving the people of Plymouth Township.

Sincerely,

A handwritten signature in black ink that reads "Ron Slagell". The signature is fluid and cursive.

Ron Slagell
President & CEO

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HVA 2019 Annual Report

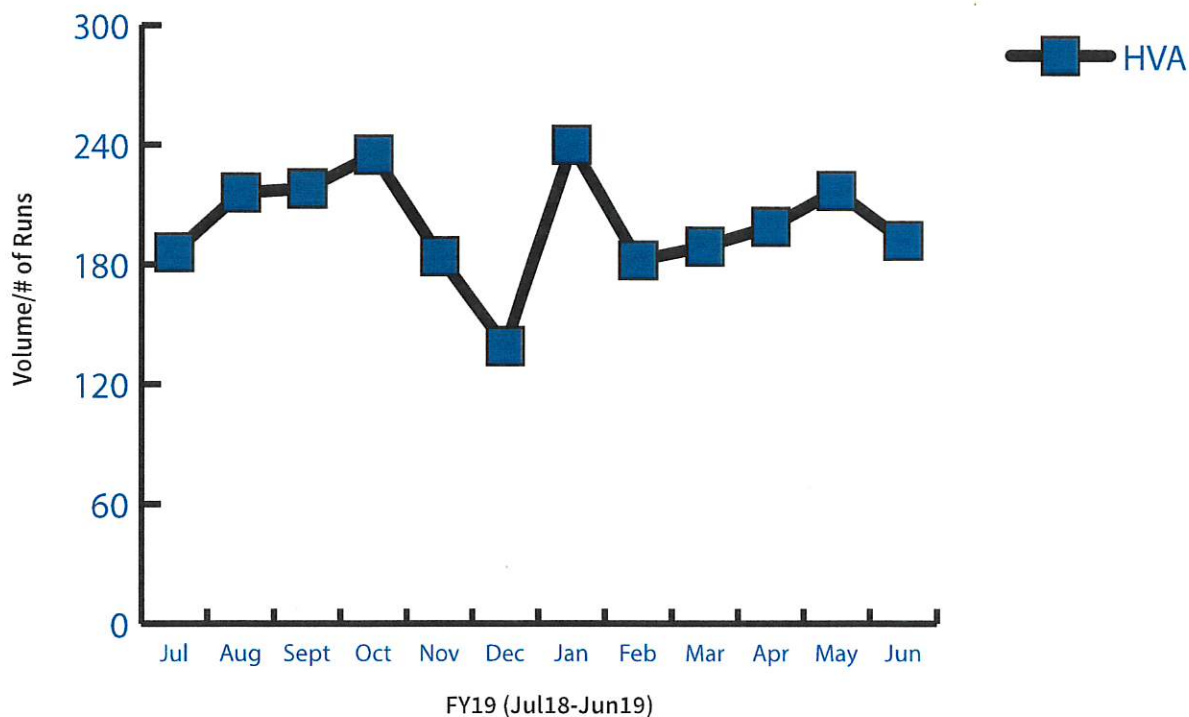
Plymouth Township | Fiscal 2019 Data (July 2018-June 2019)

Response Times - Priority 1

Response Times July - Dec 18	Avg Response Time	Fractile Percentage
JULY 2018	5.9 min	96%
AUGUST 2018	6.5 min	95%
SEPTEMBER 2018	6.3 min	96%
OCTOBER 2018	6.6 min	90%
NOVEMBER 2018	6.2 min	90%
DECEMBER 2018	7.7 min	92%

Response Times Jan - June 19	Avg Response Time	Fractile Percentage
JANUARY 2019	6.9 min	86%
FEBRUARY 2019	6.8 min	87%
MARCH 2019	7.0 min	98%
APRIL 2019	7.3 min	98%
MAY 2019	5.6 min	100%
JUNE 2019	6.3 min	100%

Transports



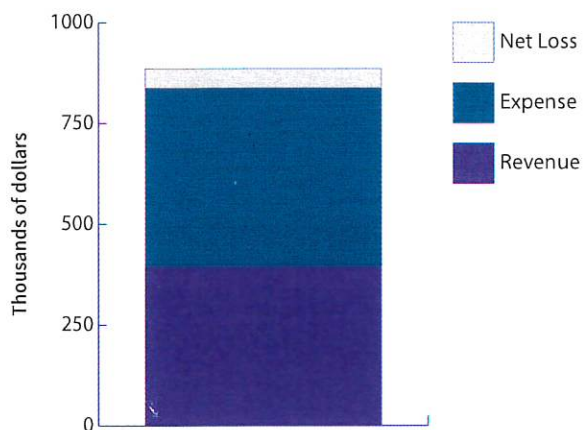
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HVA 2019 Annual Report

Plymouth Township | Fiscal 2019 Data (July 2018-June 2019)

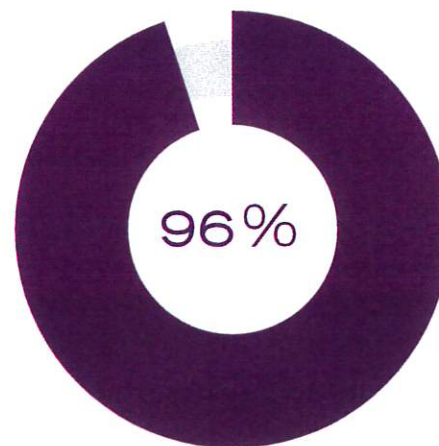
Revenue & Expenses

Revenue	\$789,155
Expense	<u>\$885,441</u>
Net Loss	(\$96,286)



Customer Satisfaction

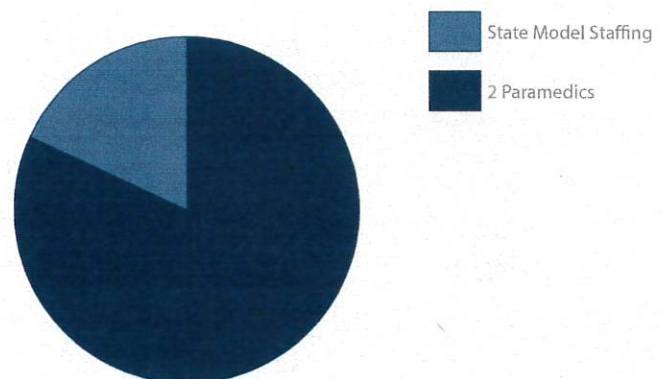
Customer Satisfaction Rating -
Plymouth Twp.



Staffing

HVA utilized 2 Paramedic staffing on 82% of Plymouth Township transports.

The other 18% of transports were staffed by a Paramedic/EMT configuration as allowed by the State of Michigan's ambulance staffing regulations.



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Plymouth Twp. Police

November 2019



PART-ONE CRIMES



January 1, 2019 through December 31, 2019

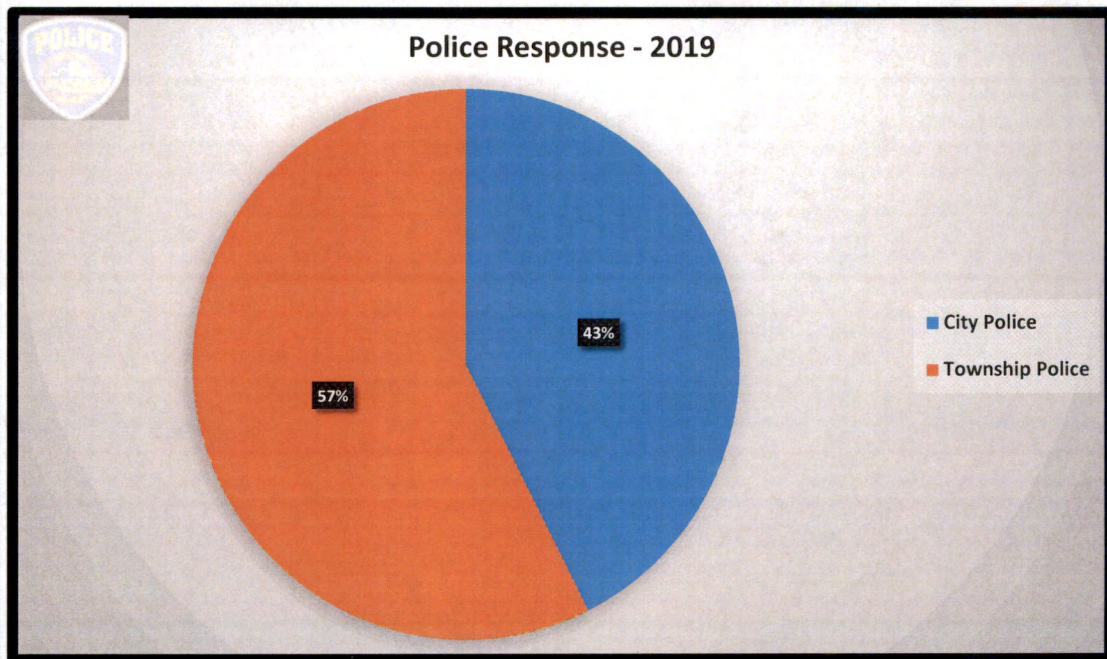
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Murder	0	0	0	0	0	0	0	0	0	0	0	0	0
CSC	0	0	0	0	1	0	0	1	0	1	2	0	5
Robbery	0	0	0	0	0	0	0	0	0	0	0	0	0
Aggravated Assault	0	3	1	1	1	0	1	1	1	1	1	0	10
Burglary	2	1	0	2	0	1	5	6	3	1	0	0	21
Larceny	18	9	16	8	11	9	9	8	12	3	13	0	116
Auto Theft	1	2	3	1	0	1	1	1	2	2	2	0	16
Arson	0	0	0	0	0	0	1	0	0	0	0	0	1
Retail Fraud	1	2	0	1	0	0	0	1	2	1	0	0	8
Part A Other	17	21	33	24	23	28	26	12	26	22	10	0	177
Total Part A	39	38	53	38	35	39	44	29	47	32	25	0	177
All Other Crimes	101	90	86	91	97	89	88	72	97	99	96	0	1006
Total Crimes	140	128	139	129	132	128	132	101	144	131	121	0	1183

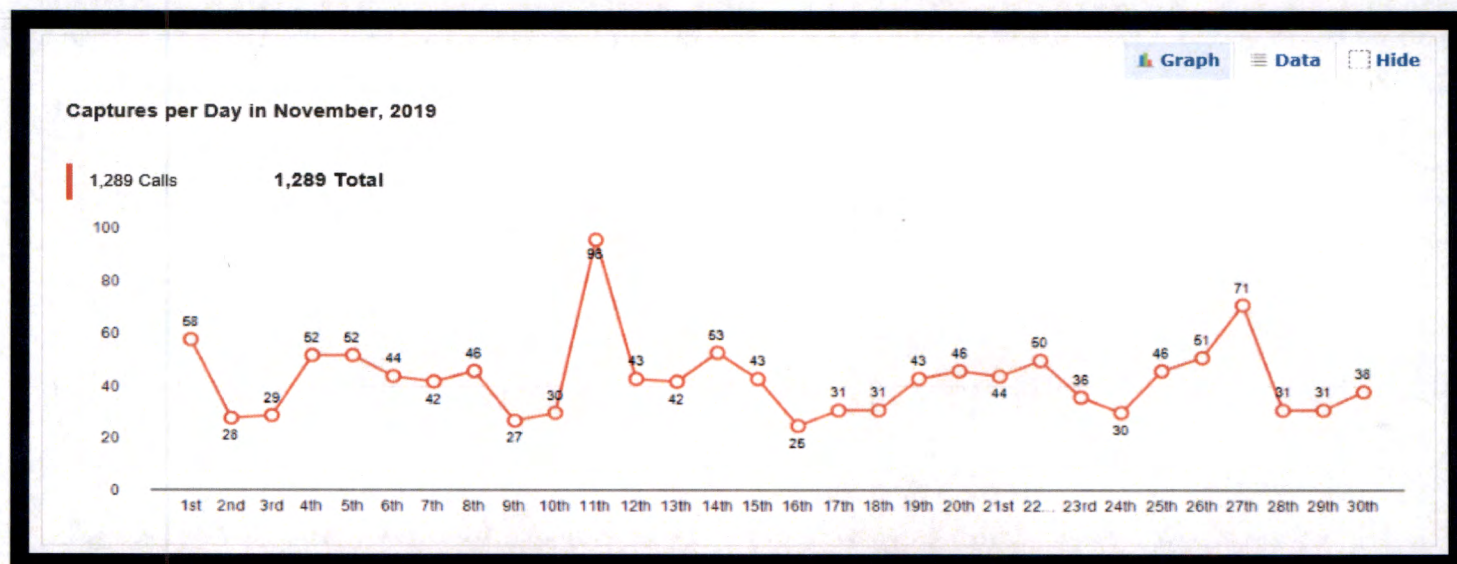
January 1, 2018 through December 31, 2018

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Murder	0	0	0	0	0	0	0	0	0	0	0	0	0
CSC	1	1	0	0	1	0	1	0	4	1	1	0	10
Robbery	0	0	1	0	1	0	0	0	0	0	0	0	2
Aggravated Assault	0	0	3	0	1	0	1	2	2	3	2	0	14
Burglary	1	0	1	0	1	5	2	1	1	2	1	3	18
Larceny	7	5	1	9	22	13	14	14	9	15	9	6	124
Auto Theft	1	1	0	1	0	3	0	2	0	3	1	2	14
Arson	0	0	0	0	0	0	0	0	0	0	0	0	0
Retail Fraud	1	0	2	0	1	0	2	1	1	0	3	2	13
Part A Other	36	33	27	23	26	29	28	28	25	29	21	26	195
Total Part A	47	40	35	33	53	50	48	48	42	53	38	39	195
All Other Crimes	97	78	99	45	105	108	95	117	111	88	98	95	1136
Total Crimes	144	118	134	78	158	158	143	165	153	141	136	134	1331

POLICE RESPONSE													
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	1,017	936	708	918	1,033	1,085	946	767	809	823	707	0	9,749
Township Police	1,255	1,025	1,410	1,085	1,244	1,190	1,209	1,158	1,188	1,206	1,162	0	13,132
Total	2,272	1,961	2,118	2,003	2,277	2,275	2,155	1,925	1,997	2,029	1,869	0	22,881

POLICE RESPONSE													
2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	1,500	1,231	1,408	1,226	1,483	1,350	1,401	1,321	1,400	1,448	1,370	1,335	16,473
Township Police	1,248	976	1,218	1,107	1,333	1,331	1,285	1,346	1,245	1,179	1,149	1,163	14,580
Total	2,748	2,207	2,626	2,333	2,816	2,681	2,686	2,667	2,645	2,627	2,519	2,498	34,998

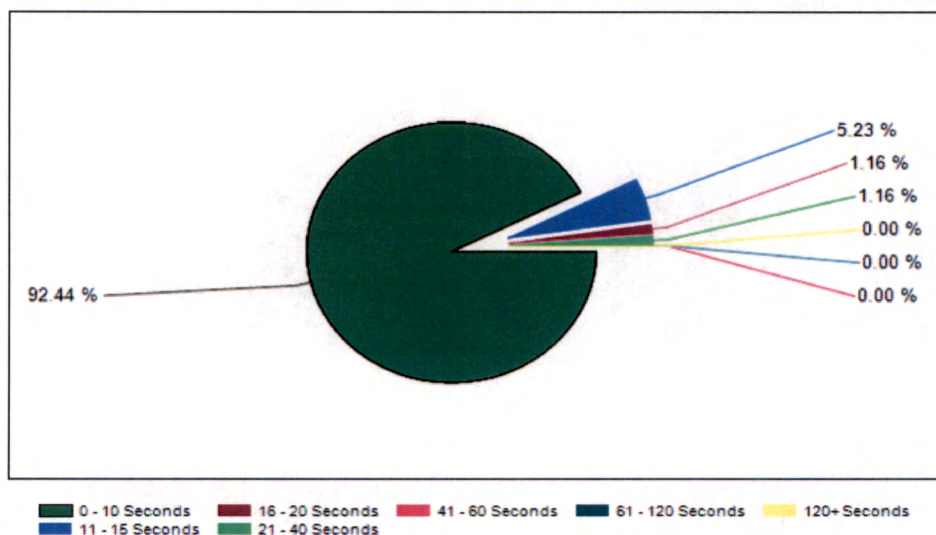




2018 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
# of 911 Calls	1,177	1,028	1,124	1,169	1,243	1,329	1,400	1,284					
# of Non-Emergency Calls	2,696	2,571	2,637	2,487	2,816	2,705	2,883	2,692	2,576	2,576	2,296	2,467	
Total	3,873	3,599	3,761	3,656	4,059	4,034	4,283	3,976	2,576	2,576	2,296	2,467	0

2019 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
# of 911 Calls	1,266	1,121	1,365	1,134	1,207	1,349	1,405	1,273	1,226	1,255	1,289	0	13,890
# of Non-Emergency Calls	2,602	2,381	2,319	2,262	2,852	2,732	2,743	2,309	2,340	2,603	2,374	0	27,517
Total	3,868	3,502	3,684	3,396	4,059	4,081	4,148	3,582	3,566	3,858	3,663	0	41,407

PSAP Answer Time 2019 - YTD



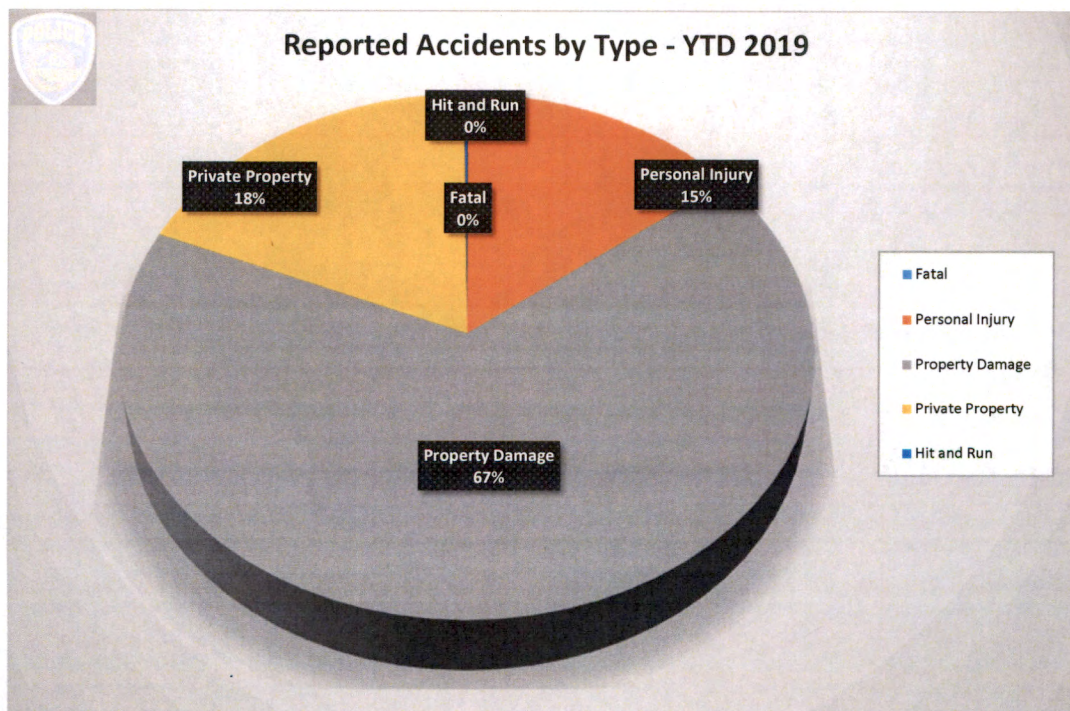
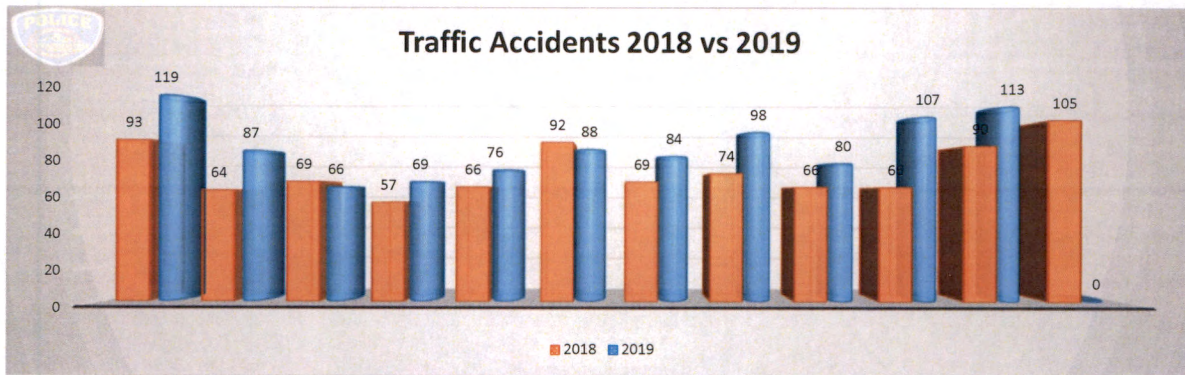
- 3.1 **Standard for answering 9-1-1 Calls.** Ninety percent (90%) of all 9-1-1 calls arriving at the Public Safety Answering Point (PSAP) shall be answered within ten (10) seconds during the busy hour (the hour each day with the greatest call volume, as defined in the NENA Master Glossary). Ninety-five (95%) of all 9-1-1 calls should be answered within twenty (20) seconds.



% answer time ≤ 10 seconds	92.44%
% answer time ≤ 20 seconds	98.83%



TRAFFIC ACCIDENT SUMMARY													
2019	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	14	5	10	11	13	14	14	16	17	12	17	0	143
Property Damage	92	63	47	41	47	59	49	57	49	76	80	0	660
Private Property	13	19	9	17	16	13	21	25	14	19	16	0	182
Hit and Run	0	0	0	0	0	2	0	0	0	0	0	0	2
Total	119	87	66	69	76	88	84	98	80	107	113	0	987
2018	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	12	9	7	13	3	8	14	7	9	9	15	14	120
Property Damage	68	44	49	34	47	61	40	47	49	43	63	85	630
Private Property	13	11	13	10	16	22	15	20	8	14	12	6	160
Hit and Run	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	93	64	69	57	66	92	69	74	66	66	90	105	911



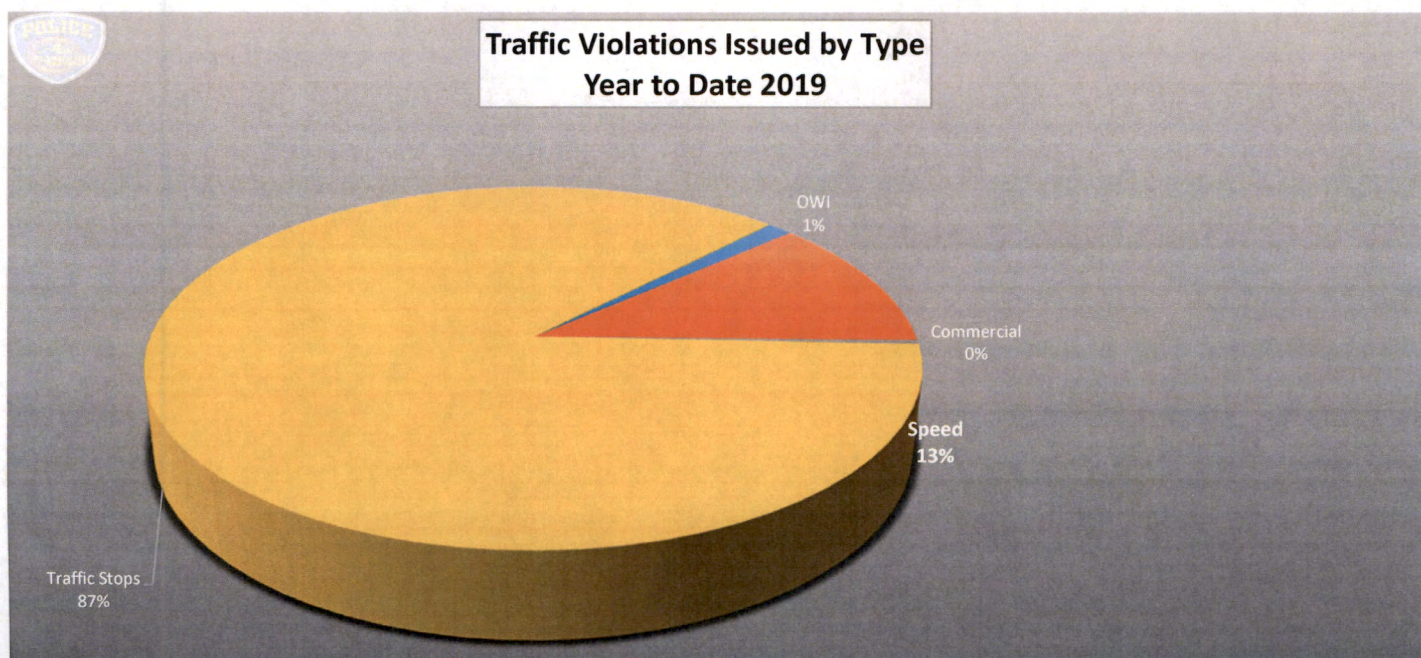
TRAFFIC VIOLATION SUMMARY

January 1, 2019 through December 31, 2019													
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	5	1	10	7	7	2	2	9	6	11	8	0	68
Speed	41	40	53	77	79	50	74	49	52	66	49	0	630
Commercial	8	0	1	0	2	1	0	4	2	3	0	0	21
Traffic Stops	509	384	474	455	454	404	429	405	397	411	292	0	4,614

	Number of Arrests												
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Felony	14	5	9	3	4	10	10	14	13	12	5	0	99
Misdemeanor	65	42	64	54	48	48	59	47	74	81	62	0	644
Citations	262	192	237	221	230	193	194	222	206	248	222	0	2,427
Total	341	239	310	278	282	251	263	283	293	341	289	0	3,170

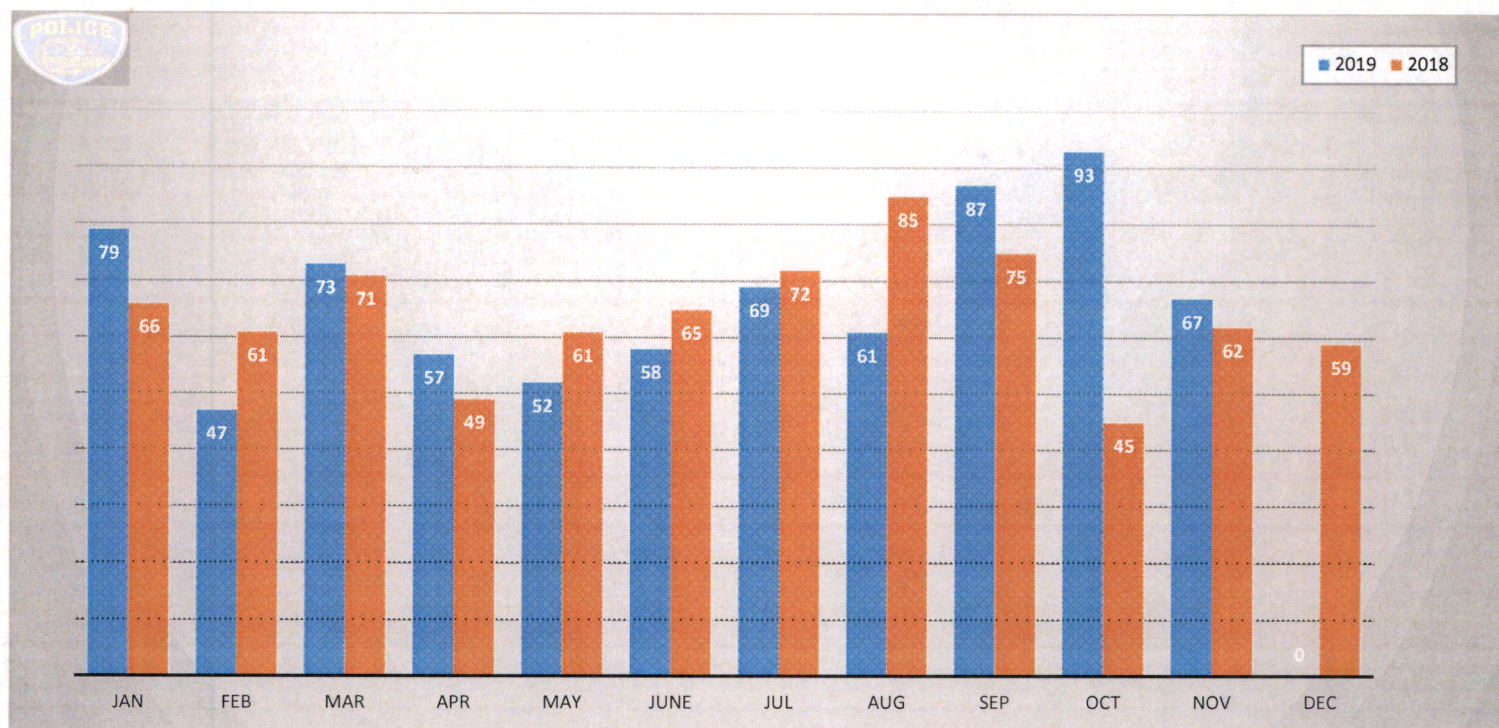
January 1, 2018 through December 31, 2018														
2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL	
OWI	4	5	3	1	4	2	4	7	3	2	7	4	46	
Speed	31	18	40	45	83	114	82	102	75	91	49	66	796	
Commercial	3	1	0	0	5	5	14	0	6	1	3	5	43	
Traffic Stops	430	276	432	392	521	578	529	622	550	474	482	467	5,753	

	Number of Arrests													
2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL	
Felony	9	8	7	5	7	11	10	12	5	7	11	12	104	
Misdemeanor	57	53	64	44	54	54	62	73	70	38	51	47	667	
Citations	230	139	236	192	248	317	241	283	277	213	233	258	2,867	
Total	296	200	307	241	309	382	313	368	352	258	295	317	3,638	



NUMBER OF ARRESTS

Year	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
2019	79	47	73	57	52	58	69	61	87	93	67	0	743
2018	66	61	71	49	61	65	72	85	75	45	62	59	771




MCKENNA

Memorandum

TO: Board of Trustees; and
Planning Commission;
Charter Township of Plymouth, Michigan

FROM: Laura E. Haw, AICP, NCI, Senior Principal Planner
Natalie Bond, Assistant Planner

SUBJECT: Planning and Zoning Services Monthly Report – November, 2019

DATE: December 5, 2019

PLANNING AND ZONING

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 on an as-needed basis. The following is McKenna's monthly report to the Township:

Zoning and Planning Activity

As part of our services to the Township, McKenna reviews Planning Commission applications and plans and provides recommendations on long range planning, land use, zoning and design. There are also a number of administrative site plans / projects that McKenna reviews and administers. The following is a summary of current and ongoing site plans, special land uses, rezonings, text amendments and land reconfigurations.

Planning and Zoning Activity	
PROJECT	CURRENT STATUS (updates for the month are shown in <u>underlined text</u>)
#2138 <i>Andover Forest CHO</i>	Final Stamp in progress, pending Township receipt of recorded legal documents.
#2262-0817 Plymouth Park & Eats 39411 Schoolcraft Rd.	Applicant granted extension for temporary Special Land Use permit to allow for seasonal operations until December 19, 2019. <u>Applicant submitting revised site plan for Planning Commission consideration at the December 18th meeting.</u>
#2271 <i>Quick Pass Car Wash</i>	Review pending with engineering.
#2296 <i>Verona Park CHO</i>	Applicant submitted for Final Stamp, awaiting final legal documents.
#2303 41100 Plymouth Rd. <i>Burroughs</i>	Administrative site plan (major) improvements for lighting, landscaping and pedestrian safety. Phase 1 (lighting, landscaping and sidewalk with parking lot improvements) approved. Revised plans for Phase 2 site work submitted; review conducted; awaiting revised plans for Township review and all outside agency approvals.

HEADQUARTERS
235 East Main Street
Suite 105
Northville, Michigan 48167

○ 248.596.0920
F 248.596.0930
MCKA.COM

Communities for real life.



Planning and Zoning Activity

PROJECT	CURRENT STATUS (updates for the month are shown in <u>underlined text</u>)
#2306 41661 Plymouth Rd. <i>Hillside Residences</i>	On November 14, 2018 the Planning Commission granted tentative site plan for 88 residential units and a revised development plan was recommended to the Board of Trustees on January 16, 2019. Pending Township Attorney review, Wayne County permits, and engineering review and all outstanding items and conditions of approval must be addressed, prior to further consideration.
#2312 <i>Ponds at Andover</i>	Application for seven (7) single-family detached units on 11 acres submitted to the Township. <u>A meeting with the applicant's team was held on October 18; revisions to the site plan requested prior to tentative site plan (CHO) consideration by the Planning Commission, tentatively planned for the January 2020 Planning Commission meeting.</u>
#2313 <i>Ridge 5 Corporate Park</i>	Final site plan was approved at the June 19, 2019 Planning Commission meeting. Final Stamp process pending; engineering approval outstanding.
#2314 15100 Fogg St.	Tentative site plan approval for new industrial building granted by the Planning Commission on December 12, 2018. <u>A one-year site plan extension request was granted by the Planning Commission at the November 20, 2019 meeting.</u>
#2317 <i>Powell Rd. CHO</i>	Cluster Housing Option (CHO) request for parcel #: R-78-046-99-0002-72. Public hearing held at the January 16, 2019 Planning Commission meeting; the Commission postponed the agenda item for up to 12 months. Applicant to submit revised plans by December, 2019 or the file will be closed.
#2320 <i>Innotech Business Park</i>	Final site plan approval, with conditions, granted by the Planning Commission for the Innotech Business Park on April 17, 2019 for infrastructure and utilities only. Applicant to submit for Final Stamp, pending all engineering permits and approvals.
#2325 40880 Ann Arbor Rd. <i>Burger King Remodel</i>	Tentative site plan approval, with conditions, granted by the Planning Commission at their March 20, 2019 meeting; applicant to submit for final site plan consideration.
#2332 <i>Boleski Funeral Home</i>	Applicant withdrawn from the April 17, 2019 Planning Commission agenda. Applicant to re-submit additional plans at a future date.
#2340 43939 Plymouth Oaks Blvd.	Pending final stamp review after engineering approved.
#2342 <i>General Drive Plymouth Storage</i>	Special Land Use Approval granted with conditions including: the applicant to keep the number of cars on site to 8-10 per day, no outdoor storage of vehicles, and the use of decorative fencing along public access areas. <u>Final Stamp issued; file closed.</u>
#2343 <i>Burger King Remodel</i>	<u>Final Stamp issued; file closed.</u>
#2347 45000 Helm St.	Land division request for one resulting lot made; the future lot would be used to house a new industrial building. <u>Land division approved; file closed.</u>
#2349 <i>General Drive Plymouth Storage</i>	<u>Applicant submitted for both tentative and final site plan consideration for the December 18 Planning Commission meeting for a climate controlled storage facility and associated covered RV parking.</u>
#2350 46600 Port St.	Administrative (major) site plan review for the addition of two silos at the existing MAGNA Lighting industrial facility. <u>Site plan approved; file closed.</u>



Planning and Zoning Activity

PROJECT	CURRENT STATUS (updates for the month are shown in <u>underlined text</u>)
#2262-0817 Plymouth Parks and Eats	<u>Township awaiting new Site Plan for Special Land Use extension through the Winter Season.</u>

FINANCIAL ACTIVITY

The following table details payments received by applicants as determined by the adopted Fee Schedule:

Planning and Zoning Fees Received	Current	2019 YTD
Applications (November only)	\$11,487.00	\$80,032.80
#2329-0319: Landscape Inspection and Report	\$730.00	-
#2335-0519: Landscape Inspection and Report	\$730.00	-
#2347-1019: Land Division #1	\$1,390.00	-
#2348-1019: Administrative (major) Site Plan, #1	\$3,437.00	-
#2349-1119: Site Plan, Review #1	\$3,850.00	-
#2256-0717: Landscape Inspection and Report #2	\$350.00	-
#2350-1119: Administrative (major) Review Site Plan, #1	\$1,000.00	-

RECOMMENDATIONS AND NEXT MONTH OUTLOOK

- Updates to website – public hearing notices, contact information, checklists.
- Township initiated rezoning of the Shearer Cemetery to the Public Lands district; a public hearing is scheduled for a future Planning Commission meeting. Text amendment consideration for municipal cemeteries to be designated as a permitted land use in the Public Land zoning district.
- Review of parking standards, Article 24 of the Zoning Ordinance, is currently in process.
- Annual Planning Report for year 2019, is currently in process.
- Master Plan update discussion held at the November 14th Planning Commission meeting study session. Discussion will be continued at the next Planning Commission meeting on December 18th.

If you have any questions on the above planning, zoning and design projects or would like additional information, please contact Laura Haw at Lhaw@mcka.com. Thank you.

FOIA Monthly Report

Run Date: 12/01/2019 8:00 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
11/4/2019		Keith Lermينياux	Other	
11/8/2019	WEXCO International Corporation	Enrique Lopez	Building	
11/8/2019		Administrative Donna Baxter	Contract	
11/12/2019	Partner Engineering and Science	Tonian Morgan	Environmental	
11/13/2019	Partner Engineering & Science, Inc	Casey Waun	Environmental	
11/15/2019	Remine	Associate Data Acquisition Analyst Christina Hogue	Assessing Records	
11/20/2019	The Warren Group	Samantha Bullock	Other	
11/25/2019	AEM Group	Ms. Melissa Wilson	Environmental Fire Report Outstanding Liens/Assessments Resolutions	

Total Requests: 8

Total Dollars: 0

PD FOIA Monthly Report

Run Date: 12/01/2019 8:00 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
11/4/2019		Mr Duane Zantop	Police Records	0.00
11/4/2019	Aldrich Legal Services	Brad Aldrich	Police Records	48.16
11/5/2019		Laura Shipley	Police Records	2.40
11/5/2019		Elaina Smith	Police Records	0.00
11/5/2019		Robert Young	Police Records	0.00
11/5/2019		Colleen Johnson	Police Records	1.40
11/5/2019		Zhang Linyao	Police Records	0.00
11/5/2019		Ellery Workman	Police Records	0.00
11/5/2019	Potter, DeAgostino, O'Dea & Patterson	Robert Clark	Police Records	
11/8/2019		Sonya Williams	Police Records	0.00
11/12/2019		Mark Alexander	Police Records	0.00
11/12/2019	Frankenmuth Insurance	Jamie Martin	Police Records	
11/13/2019	Versatranz, Inc	Melissa Greer	Police Records	0.00
11/13/2019	Farm Bureau Insurance	Amanda Gregg	Police Records	0.00
11/13/2019		Gary Guadagni	Police Records	0.00
11/13/2019		Charitee Godbold	Police Records	0.00
11/13/2019		Elizabeth Buckley	Police Records	0.00
11/18/2019		Robert Wolowski	Police Records	0.00
11/20/2019		Karon Spradlin	Police Records	0.00
11/20/2019		Jessica Moore	Police Records	0.00
11/21/2019		Michael Lynch	Police Records	1.30
11/21/2019		Srikanth Vadrevu	Police Records	1.70
11/21/2019		Katherine Hartunian	Police Records	24.21
11/22/2019	Guentner, Barbee & Associates PLLC	Kayla Bellman	Police Records	6.45
11/4/2019		Mustafa Jabbar	Police Records	0.00
11/4/2019	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
11/4/2019	Ogne, Albers & Stuart	Dennis Alberts	Police Records	0.00
11/2/2019		Mrs Laurie Smith	Police Records	0.00
11/25/2019	McManus Law	John Mcmanus	Police Records	17.50
11/27/2019		Sharon Kay	Police Records	0.00
Total Requests: 30				Total Dollars: 103.12

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

CONSENT AGENDA

**ITEM D.3
APPROVAL OF TOWNSHIP BILLS**

BOARD DATE

12/10/2019

FUND NAME	FUND NUMBER	PAYROLL & INVOICES PAID		
		TOTAL INC PAYROLL	PRIOR TO MEETING	INVOICES PAID AFTER BOARD REVIEW
GENERAL FUND	101	1,671,076.75	1,297,166.47	373,910.28
SWD	226	152,009.03	151,599.08	409.95
IMPROV. REV.	246	-	-	
DRUG FORFEITURE	265	-	-	
DRUG FORFEITURE	266	-	-	
DRUG FORFEITURE	267	-	-	
GOLF COURSE FUND	510	3,583.42	134.00	3,449.42
SENIOR TRANSPORTATION	588	9,940.14	9,940.14	
WATER & SEWER	592	2,004,696.62	1,603,152.59	401,544.03
TRUST & AGENCY	701	61,252.13	61,252.13	
POLICE BOND FUND	702	5,916.00	5,916.00	
TAX POOL	703	-	-	
SPECIAL ASSESS CAPITAL	805	46,985.50	15,928.25	31,057.25
	TOTAL	<u>3,955,459.59</u>	<u>3,145,088.66</u>	<u>810,370.93</u>

GRAND TOTAL

3,955,459.59

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Charter Township of Plymouth
AP Invoice Listing - Board Report

BR 12/4/19 1/11

VENDOR INFORMATION

INVOICE INFORMATION

AMV Hilltop Golf Management, LLC		Invoice Amount:	\$3,449.42
Reimburse for repairs made to air conditioning un		Check Date:	12/10/2019
510-510-776.000	Repairs & Maint on air conditioning unit		3,449.42
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$189.99
UNIFORM COAT ORDINANCE DEPT		Check Date:	12/10/2019
101-371-758.000	INVOICE 77728		189.99
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$108.00
Inv. 77709 11/5/19 Uniform Equip/Ofc. McParlan		Check Date:	12/10/2019
101-305-758.000	Uniform Mock Turtleneck		108.00
APOLLO FIRE EQUIPMENT		Invoice Amount:	\$29,500.00
Jaws of Life, Cutter and Ram		Check Date:	12/10/2019
101-336-978.000	Hurst Edr SP555E2 spreader S/N364402-04		10,996.55
101-336-978.000	Hurst S788E2 cutter Pkg S/N 364692-09		10,082.85
101-336-978.000	Hurst R421E2 Ram Pkg S/N 36432202-02		7,767.70
101-336-978.001	AC Power Supply Adapter		652.90
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$22.93
2019 Winter Taxes		Check Date:	12/10/2019
101-215-813.000	2019 Winter Taxes		22.93
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$109.33
SAD Hearing for General Dr		Check Date:	12/10/2019
101-215-813.000	SAD Hearing-General Dr		109.33
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$77.06
Public Notice of Adoption of Brownfield for MI Int'		Check Date:	12/10/2019
101-215-813.000	Brownfld-MI Int'l Tech Ctr		77.06
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$71.80
Public Notice of Litchfield Dr (Plymouth		Check Date:	12/10/2019
101-215-813.000	Litchfld SAD Rd Recon Notice		71.80
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$33.98
Public Notice of ZBA Mtg 12-05-2019		Check Date:	12/10/2019
101-371-727.000	ZBA 12-5-2019 Pub Notice		33.98
Cereal City Auto Parts (NAPA)		Invoice Amount:	\$92.04
Parks - Inv. # 710747 - Battery, Core Deposit, W		Check Date:	12/10/2019
101-691-863.000	Parks - Inv. 710747		92.04
B & R JANITORIAL SUPPLY		Invoice Amount:	\$257.83
janitorial supplies		Check Date:	12/10/2019
101-336-776.000	HUSKY 320 NON ACID CAN320QQUART		51.24
101-336-776.000	DVOCB022514CT Bleach		3.79
101-336-776.000	HOUSEHOLD PERFORATED PAPER TOWEL		75.96
101-336-776.000	55G 3858 1.5 MIL BLACK R-47XH 2100450		103.86
101-336-776.000	EZ-PURPLE HD DEGREASER 1000023		22.98
B & R JANITORIAL SUPPLY		Invoice Amount:	\$157.32
JANITORIAL SUPPLY POLICE DEPARTMENT		Check Date:	12/10/2019
101-305-776.000	INVOICE 18804		157.32
B & R JANITORIAL SUPPLY		Invoice Amount:	\$267.85
JANITORIAL SUPPLY SENIOR CENTER		Check Date:	12/10/2019

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	101-265-858.000	INVOICE 188006	267.85
B & R JANITORIAL SUPPLY		Invoice Amount:	\$363.74
JANITORIAL SUPPLY TOWNSHIP HALL		Check Date:	12/10/2019
	101-265-776.000	INVOICE 188005	363.74
Background Check Central		Invoice Amount:	\$425.00
Background Check A. Pancoast		Check Date:	12/10/2019
	101-336-963.000	Background Check A Pancoast	425.00
BATTERIES PLUS BULBS		Invoice Amount:	\$45.95
Survivor Battery		Check Date:	12/10/2019
	101-336-863.000	Survivor battery	45.95
BATTERIES PLUS BULBS		Invoice Amount:	\$190.20
Batteries		Check Date:	12/10/2019
	101-336-836.000	D batteries	13.75
	101-336-836.000	C batteries	13.75
	101-336-836.000	1.5 V batteries AAA	57.60
	101-336-836.000	1.5V AA batteries	57.60
	101-336-836.000	9V Ind ALK batteries	47.50
BATTERIES PLUS BULBS		Invoice Amount:	\$175.72
Inv. P21123982 11/13/19 Batteries for Police De		Check Date:	12/10/2019
	101-305-727.000	C Batteries	23.98
	101-305-727.000	9 Volt Batteries	17.95
	101-305-727.000	D Batteries	11.99
	101-305-727.000	AA Batteries	23.97
	101-305-727.000	AAA Batteries	13.98
	101-305-727.000	3 Volt Batteries	83.85
BATTERY SOLUTIONS, LLC.		Invoice Amount:	\$109.95
Battery Recycle		Check Date:	12/10/2019
	226-226-810.000	iRecycle - Filled Pail #A467377_11/20/19	109.95
Bidigare Contractors, Inc.		Invoice Amount:	\$21,695.00
WATER MAIN BREAK REPAIR FOR HILLTOP- N TE		Check Date:	12/10/2019
	592-291-932.000	WATER MAIN BREAK REPAIR 7/16 & 7/17	21,695.00
Bidigare Contractors, Inc.		Invoice Amount:	\$7,080.00
WATER MAIN BREAK REPAIR FOR 49125 N TERRI		Check Date:	12/10/2019
	592-291-932.000	WATER MAIN BREAK REPAIR 49125 N TERRIT	7,080.00
BLACKWELL FORD INC.		Invoice Amount:	\$136.51
Truck #453 - Parks - Invoice #35673 - Details Att		Check Date:	12/10/2019
	101-691-863.000	Parks #453 - Inv. #35673	136.51
BLACKWELL FORD INC.		Invoice Amount:	\$56.66
#357427 #402 work order #307 11/20/19		Check Date:	12/10/2019
	592-291-863.000	PARTS AND LABOR	56.66
BLACKWELL FORD INC.		Invoice Amount:	\$51.51
Inv. 357275 11/18/19 - Vehicle Repair/108165		Check Date:	12/10/2019
	101-305-863.000	The Works Oil Change	51.51
BLACKWELL FORD INC.		Invoice Amount:	\$52.29
Inv. 357258 11/18/19 - Vehicle Repair/106809		Check Date:	12/10/2019

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	101-305-863.000	The Works Oil Change		52.29
BLACKWELL FORD INC.			Invoice Amount:	\$2,592.28
R3 Brake work			Check Date:	12/10/2019
	101-336-863.000	E3 Brake Work		2,592.28
BLACKWELL FORD INC.			Invoice Amount:	\$24.12
Inv. 356540 11/5/19 - Vehicle Repair/B32115			Check Date:	12/10/2019
	101-305-863.000	Tire Plug		24.12
BLACKWELL FORD INC.			Invoice Amount:	\$3,038.97
Inv. 356407 11/8/19 - Vehicle Repair/106809			Check Date:	12/10/2019
	101-305-863.000	Contaminated Fuel Tank		3,038.97
BLACKWELL FORD INC.			Invoice Amount:	\$340.27
Inv. 357560 11/25/19 - Vehicle Repair/C07494			Check Date:	12/10/2019
	101-305-863.000	Replace 6 Spark Plugs		340.27
BLACKWELL FORD INC.			Invoice Amount:	\$898.58
Inv. 357826 11/29/19 - Vehicle Repair/C07494			Check Date:	12/10/2019
	101-305-863.000	Replace front/rear brakes		898.58
OCCUPATIONAL HEALTH CENTERS OF MI			Invoice Amount:	\$88.00
UDS Collect and Breath Alcohol Test - David Nelso			Check Date:	12/10/2019
	592-172-818.000	David Nelson (DPW)		88.00
CDW GOVERNMENT INC			Invoice Amount:	\$823.50
O365 Mail Migration Implementation			Check Date:	12/10/2019
	101-201-978.000	O365 Mail Migration Implementation		823.50
CDW GOVERNMENT INC			Invoice Amount:	\$5,477.95
Data Switches (6) Support Renewal - Quote LBDF			Check Date:	12/10/2019
	101-290-941.000	Cisco SmartNET-CON-SNT-1-10K(6 Switches)		5,477.95
CDW GOVERNMENT INC			Invoice Amount:	\$435.78
Quote #KWKS878 9/10/19 Windows 10 Pro Upgr			Check Date:	12/10/2019
	101-305-727.000	Mfg. Part# FQC-09550		435.78
CDW GOVERNMENT INC			Invoice Amount:	\$456.59
Fujitsu ScanSnap iX1500 Color Duplex Document			Check Date:	12/10/2019
	101-305-727.000	Mfg. Part #PA03770-B005		456.59
CDW GOVERNMENT INC			Invoice Amount:	\$872.50
GFI Archive Support1 Yr Renewal - MIDEAL quote			Check Date:	12/10/2019
	101-290-941.000	GFI Archive Supp Renew-G-MARREN50-249-1Y		872.50
CINTAS CORPORATION - 300			Invoice Amount:	\$165.95
Inv. 4034498104 11/8/19 Mat service for P.D.			Check Date:	12/10/2019
	101-305-776.000	Mats for pd		165.95
CODE SAVVY CONSULTANTS LLC			Invoice Amount:	\$255.00
PLAN REVIEW OF SHO DRAWINGS FOR FIRE ALA			Check Date:	12/10/2019
	101-371-818.000	INVOICE 1584		255.00
CONROY, WILLIAM			Invoice Amount:	\$29.99
vehicle part FOR U2			Check Date:	12/10/2019
	101-336-836.000	U2 Vehicle part		29.99

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

CORRIGAN OIL COMPANY		Invoice Amount:	\$3,217.31
Fuel #6939517 11/26/19		Check Date:	12/10/2019
592-291-863.000	Dyed Ultra Low Sulfur #2 Mix		779.94
592-291-863.000	Fuel Tax Recap		16.50
592-291-863.000	Environmental Fee		6.95
592-291-863.000	GE87 GAS-ETHANOL		2,413.92
CRAWFORD DOOR SALES		Invoice Amount:	\$278.00
door repair Sta# 1		Check Date:	12/10/2019
101-336-776.000	Sta# 1 Door repair		278.00
DANULOFF, LYLE D., PHD.		Invoice Amount:	\$600.00
Police Service Aide Applicant Psychological Evalua		Check Date:	12/10/2019
101-325-818.000	Evaluation for hire - Sara Gauss		600.00
DELWOOD SUPPLY CO.		Invoice Amount:	\$60.18
cpooer plumbing parts to install new meter settin		Check Date:	12/10/2019
592-443-937.000	PARTS FOR METER		60.18
DPW & SON, LLC		Invoice Amount:	\$9,200.00
WATER TAPS & REPAIRS #50389 10/25/19		Check Date:	12/10/2019
592-291-935.000	9630 WHITE PINE CT 1" LONG TAP		1,000.00
592-291-935.000	39411 SCHOOLCRAFT 1" SHORT TAP		1,500.00
592-291-935.000	11807 TUSCANY CT 1" LONG TAP		1,000.00
592-291-935.000	12467 VINTAGE LN 1" LONG TAP		1,000.00
592-291-935.000	42519 PARKHURST RD LEAD SERVICE REPLAC		2,500.00
592-291-935.000	" " 3/4" SHORT TAP		800.00
592-291-935.000	" " DISCONNECT		600.00
592-291-935.000	PLY TWP PARK WATER SERVICE REPAIR		800.00
Dolan Consulting Group, LLC		Invoice Amount:	\$390.00
Inv. 1503-03092019-2971-3126 9/3/19 Verbal De		Check Date:	12/10/2019
101-305-960.000	Officer Wilder - 10/24/19-10/25/19		390.00
DE WOLF & ASSOCIATES		Invoice Amount:	\$770.00
Inv. 2705 11/21/19 Disciplinary Investigations Tr		Check Date:	12/10/2019
101-305-960.000	AC Brothers/Lt. Kudra 11/21 & 11/22		770.00
Dominion Voting		Invoice Amount:	\$33,551.31
Hi Speed Scanner with accessories		Check Date:	12/10/2019
101-262-978.000	172-000117 ATI Kit		375.00
101-262-978.000	123-000195 IC Central Scanner		14,050.00
101-262-978.000	SW001 OCC Central Software		19,100.00
101-262-978.000	FREIGHT		26.31
Dearborn Heights Fire Department		Invoice Amount:	\$2,864.24
APX 6000XE PORTABLE RADIOS, APX 6500 DASH		Check Date:	12/10/2019
101-336-978.000	Twp portion portable/dash mobile radios		2,864.24
ENGRAVING CONNECTION		Invoice Amount:	\$73.16
Inv. 42774 11/19/19 Top Gun Award Plaque for		Check Date:	12/10/2019
101-305-727.000	Michael Fritz 2019 Plate		10.16
101-305-727.000	Top Gun Michael Fritz 2019		63.00
ETNA SUPPLY		Invoice Amount:	\$90.60
INVOICE #S103275997.002 10/15/19		Check Date:	12/10/2019
592-291-935.000	C44-46-NL-1X-1 1/2 PJ-CT COUPLING		60.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	592-291-935.000	C14-44-Q-NL-1-FIP-X-QJ-CTS	26.00
	592-291-935.000	INSERT 52 1" FOR PE TUBING	4.60
ETNA SUPPLY		Invoice Amount:	\$136.60
PRISCILLA MAIN BREAK 1/30/19 #S102939088.0		Check Date:	12/10/2019
	592-291-932.000	FERNCO 1002-66 6X6 FLEX COUPLING 6IN CLA	94.80
	592-291-932.000	6X10" PVC SCH40 PE PIPE	41.80
ETNA SUPPLY		Invoice Amount:	\$724.14
INVOICE #2103282248.001 11/18/19		Check Date:	12/10/2019
	592-291-935.000	C04-77-Q-NL 2 FE COP THD X QJ CTS COUPLI	369.00
	592-291-935.000	C04-66-Q-NL 1 1/2 FE COP THD X QJ CTS CO	237.00
	592-291-935.000	C04-44-NL-1" FE COP THD X PJ-CTS COUPLIN	103.50
	592-291-935.000	shipping and handling	14.64
ETNA SUPPLY		Invoice Amount:	\$696.00
1 1/2 X 60 FT COPPER WIRE		Check Date:	12/10/2019
	592-291-935.000	1 1/2X60 FT COPPER WIRE	696.00
FEDEX		Invoice Amount:	\$42.22
Inv. 6--837-35360 6/13/19 Package Shipped		Check Date:	12/10/2019
	101-305-727.000	Package shipped to Mobile Vision/Kudra	42.22
FETNER, WILLIAM		Invoice Amount:	\$195.17
Clothing Allowance Reimbursement per Contract		Check Date:	12/10/2019
	101-305-758.000	Clothing reimbursement - 2019	195.17
FIFER INVESTIGATIONS, LLC		Invoice Amount:	\$1,900.00
Inv. 1762 11/14/19 Background Investigations		Check Date:	12/10/2019
	101-305-818.000	Police Officer Applicant-Luke Drejewski	1,900.00
GFL Environmental USA, Inc.		Invoice Amount:	\$225.00
DPW RECYCLE CENTER		Check Date:	12/10/2019
	226-226-810.500	11/14/19 - CARDBOARD/PAPER	225.00
GARRETT AUTO AND TRUCK SVC		Invoice Amount:	\$4,884.63
#42062 1996 FORD F SERIES-F700		Check Date:	12/10/2019
	592-291-863.000	All repairs, parts, labor	4,884.63
General Linen & Uniform Service		Invoice Amount:	\$20.25
Inv. 0261148 11/7/19 Prisoner Blanket Cleaning		Check Date:	12/10/2019
	101-325-851.000	Blanket Cleaning	20.25
General Linen & Uniform Service		Invoice Amount:	\$24.75
Inv. 0262503 11/14/19 Prisoner Blanket Cleaning		Check Date:	12/10/2019
	101-325-851.000	Blanket Cleaning	24.75
General Linen & Uniform Service		Invoice Amount:	\$18.00
Inv. 0263876 11/21/19 Prisoner Blanket Cleaning		Check Date:	12/10/2019
	101-325-851.000	Blanket Cleaning	18.00
HAROLD'S FRAME SHOP		Invoice Amount:	\$507.40
Invoice # 93390 - Snow plow blade for Parks		Check Date:	12/10/2019
	101-691-863.000	Replace Cutting edge for snow plow	507.40
HYDRO CORP		Invoice Amount:	\$1,779.00
Cross Connection Control program November 201		Check Date:	12/10/2019

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	592-291-804.000	Cross Connection Control program Nov19	1,779.00
J.N.S. Service		Invoice Amount:	\$199.96
Repairs on Plow Trip Edge Support - Parks Vehicle		Check Date:	12/10/2019
101-691-863.000	Labor		161.00
101-691-863.000	Parts		36.75
101-691-863.000	Tax		2.21
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$1,500.00
DATTO Cloud Backup Subscription Dec 2019 - Inv		Check Date:	12/10/2019
101-201-978.000	DATTO Backup Monthly Subscription		1,500.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$150.00
Firewall Monitoring Dec 2019 - Invoice# 14211		Check Date:	12/10/2019
101-290-941.000	Firewall Monitoring - Dec 2019		150.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$900.00
Tech Support - Build 3 Servers Inv# 14131		Check Date:	12/10/2019
101-290-941.000	Build Servers O365 and File Servr Migrat		900.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$750.00
Tech Support - VMWare Upgrade on Hosts Inv# 1		Check Date:	12/10/2019
101-290-941.000	VMWare Upgrade Server and VM Hosts		750.00
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$107.38
Inv. 9006182666 10/25/19 Maint. Agreement - Bi		Check Date:	12/10/2019
101-305-851.000	9/26/19 - 10/25/19 coverage dates		107.38
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$219.26
Maintenance #262177841 10/31/19		Check Date:	12/10/2019
101-171-727.000	C454e Copier Maintenance		46.04
101-201-851.000	Maint.		8.77
101-371-851.500	Maint.		10.96
226-226-727.000	Maint.		10.96
592-172-818.000	Maint		142.53
LARSON, OSCAR W. CO.		Invoice Amount:	\$247.50
DIESEL PRODUCT NOT WORKING. TROUBLE SHO		Check Date:	12/10/2019
592-291-863.000	labor		237.50
592-291-863.000	other/freight/travel		10.00
LARSON, OSCAR W. CO.		Invoice Amount:	\$247.50
PERFORMED QUARTERLY "B" OPERATOR INSPEC		Check Date:	12/10/2019
592-291-863.000	labor		237.50
592-291-863.000	other/freight/travel		10.00
LARSON, OSCAR W. CO.		Invoice Amount:	\$319.68
#000000712692 11/12/19 service date 11/5/19		Check Date:	12/10/2019
592-291-863.000	HS&E		10.00
592-291-863.000	11BP BLACK NOZZLE		72.18
592-291-863.000	LABOR		237.50
Lexipol, LLC		Invoice Amount:	\$2,319.00
2020 membership subscription Knowledge Mgmt		Check Date:	12/10/2019
101-100-123.000	2020 Membership		2,319.00

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

LOU LA RICHE CHEVROLET			Invoice Amount:	\$46.30
Inv. 444011 11/25/19 Veh Repair/351890			Check Date:	12/10/2019
	101-305-863.000	Oil change		46.30
AutoZone			Invoice Amount:	\$62.97
Vehicle supplies			Check Date:	12/10/2019
	101-336-863.000	Rotella T4 15W		42.99
	101-336-863.000	Seal Tape		1.99
	101-336-863.000	Acc Kit		17.99
MacAllister Rentals			Invoice Amount:	\$1,035.62
RENTAL FOR RELEAF PROJECT AT TOWNSHIP PA			Check Date:	12/10/2019
	101-691-973.060	mini excavator		840.00
	101-691-973.060	environmental fee		11.00
	101-691-973.060	TAX		58.62
	101-691-973.060	RENTAL PROTECTION PLAN		126.00
MAIN STREET AUTO WASH			Invoice Amount:	\$425.00
October and November (through 11/15/19) Car			Check Date:	12/10/2019
	101-305-863.000	Police Vehicles		375.00
	101-336-863.000	Fire Admin. Vehicles		15.00
	101-371-863.000	Building Vehicles		35.00
Marquis Food Service, Inc.			Invoice Amount:	\$79.45
Inv. 9197 11/22/19 Prisoner Meals			Check Date:	12/10/2019
	101-325-818.400	Turkey Subs		56.25
	101-325-818.400	Breakfast Sandwiches		18.20
	101-325-818.400	Delivery Fee		5.00
MERLO CONSTRUCTION			Invoice Amount:	\$61,115.00
Ply Twp Park - Parking Lot - CDBG PY 2018			Check Date:	12/10/2019
	101-851-971.000	PLY TWP PARK-PARKING LOT-CDBG PY 2018		61,115.00
MICHIGAN AIR SOLUTIONS, LLC			Invoice Amount:	\$176.39
Sta#2 Air Comp Maint			Check Date:	12/10/2019
	101-336-851.000	Air Compressor Maintenance Sta#2		176.39
MICHIGAN AIR SOLUTIONS, LLC			Invoice Amount:	\$176.39
Sta#1 Air Comp Maint.			Check Date:	12/10/2019
	101-336-851.000	Air Compressor Maintenance Sta#1		176.39
MICHIGAN AIR SOLUTIONS, LLC			Invoice Amount:	\$176.39
Sta#3 Air Comp Maint			Check Date:	12/10/2019
	101-336-851.000	Air Compressor Maintenance Sta#3		176.39
MICHIGAN MUNICIPAL RISK MGT AUTH			Invoice Amount:	\$37,500.00
MMRMA - Installment #2 Policy # R0001041 - 7/			Check Date:	12/10/2019
	101-954-912.000	Installment #2 - 7/1/19-7/1/20		37,500.00
MICHIGAN MUNICIPAL RISK MGT AUTH			Invoice Amount:	\$140,589.00
MRRMA Policy # M0001041 Installment #2 for pol			Check Date:	12/10/2019
	101-954-912.000	Installment #2 (7/1/19-1/1/20		140,589.00
MICHIGAN TOWNSHIPS ASSOCIATION			Invoice Amount:	\$275.00
MTA - Classified Ads for various positions - 11/26/			Check Date:	12/10/2019
	101-262-813.000	Classified Ad - Election Clerk		100.00
	101-215-813.000	Classified Ad - Clerk Admin		70.00

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

	101-371-707.000	Classified Ad - Building	105.00
MICHIGAN, STATE OF		Invoice Amount:	\$75.00
PERMIT FEE FOR STATE HALL POND		Check Date:	12/10/2019
	101-265-776.000	INVOICE 18649 PLM LAKE AND LAND	75.00
MICHIGAN, STATE OF		Invoice Amount:	\$75.00
PERMIT FEE FOR STATE, PARK POND		Check Date:	12/10/2019
	101-265-776.000	INVOICE 18649 PLM LAKE AND LAND	75.00
Ferguson Waterworks		Invoice Amount:	\$326.91
Flast #0090250		Check Date:	12/10/2019
	592-291-935.000	4x5 21 wire flag green 100 pk	84.93
	592-291-935.000	4x5 21 wire flag blue 100 pk	161.34
	592-291-935.000	Caution blue inv mark paint solv	80.64
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 11/15/19 #417399		Check Date:	12/10/2019
	592-172-758.000	11/15/19	84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 11/22/19 #417840		Check Date:	12/10/2019
	592-172-758.000	11/22/19	84.35
Michigan State Fireman's Assoc		Invoice Amount:	\$75.00
Membership 2020		Check Date:	12/10/2019
	101-336-729.000	2020 Membership	75.00
SF MOBILE-VISION, INC.		Invoice Amount:	\$134.00
Inv. 25825 11/13/19 SDHC Memory Card for Flas		Check Date:	12/10/2019
	101-305-851.000	MVD-FB3-32GBSD	120.00
	101-305-851.000	Shipping	14.00
NATIONAL BAND & TAG CO		Invoice Amount:	\$270.86
34868 2020 Dog Tags		Check Date:	12/10/2019
	101-305-727.000	2020 Dog Tags	270.86
OFFICE DEPOT		Invoice Amount:	\$47.98
Office Supplies - November 2019		Check Date:	12/10/2019
	592-172-727.000	Office Supplies November 2019	47.98
OFFICE DEPOT		Invoice Amount:	\$37.49
Office Supplies - November 2019		Check Date:	12/10/2019
	592-172-727.000	Office Supplies November 2019	37.49
OFFICE DEPOT		Invoice Amount:	\$195.52
Office Supplies - November 2019		Check Date:	12/10/2019
	592-172-727.000	Office Supplies November 2019	195.52
OFFICE DEPOT		Invoice Amount:	\$89.48
Inv. 395066105001 10/28/19 - Office Supplies f		Check Date:	12/10/2019
	101-325-727.000	22 x 17 Desk Calendars	63.90
	101-305-727.000	20 x 11 Desk Calendars	25.58
OFFICE DEPOT		Invoice Amount:	\$331.90
5" White Binders, Dymo Label Tape		Check Date:	12/10/2019
	101-215-727.000	5" White Binders	331.90

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

OFFICE DEPOT 5" White Binders, Dymo Label Tape 101-215-727.000	<i>Dymo Label Tape (2pk)</i>	Invoice Amount: Check Date:	\$57.64 12/10/2019 57.64
OFFICE DEPOT MONTHLY DESK PAD CALENDAR 101-371-727.000	<i>ORDER # 40638387428-001</i>	Invoice Amount: Check Date:	\$23.95 12/10/2019 23.95
ORCHARD, HILTZ, & MCCLIMENT, INC. Litchfield Dr Subdivision SAD Design & Bidding 805-805-970.310	<i>Litchfield Dr Subdivision SAD Design & B</i>	Invoice Amount: Check Date:	\$2,041.50 12/10/2019 2,041.50
ORCHARD, HILTZ, & MCCLIMENT, INC. Andover Lakes SAD Preliminary Eng 805-805-970.370	<i>Andover Lakes SAD Preliminary</i>	Invoice Amount: Check Date:	\$3,654.50 12/10/2019 3,654.50
ORCHARD, HILTZ, & MCCLIMENT, INC. General Drive Road SAD Design Phase 805-805-970.350	<i>General Drive - Design Phase</i>	Invoice Amount: Check Date:	\$22,174.50 12/10/2019 22,174.50
ORCHARD, HILTZ, & MCCLIMENT, INC. Plymouth Meadows SAD 805-805-970.400	<i>Plymouth Meadows SAD Preliminary</i>	Invoice Amount: Check Date:	\$1,801.75 12/10/2019 1,801.75
ORCHARD, HILTZ, & MCCLIMENT, INC. Plymouth Commons SAD - Inspections 805-805-970.300	<i>Plymouth Commons SAD - Inspections</i>	Invoice Amount: Check Date:	\$1,385.00 12/10/2019 1,385.00
PLYMOUTH COMM CHAMBER OF COMMERCE Annual Membership dues 2020- Invoice # 27466 101-101-885.000	<i>2020 Annual Chamber Membership Dues</i>	Invoice Amount: Check Date:	\$132.00 12/10/2019 132.00
PLYMOUTH-CANTON COMMUNITY SCHOOLS Inv. 003058 11/15/19 - October Fuel 101-305-863.000 101-325-963.000	<i>Patrol Vehicles PSA Vehicle</i>	Invoice Amount: Check Date:	\$4,165.87 12/10/2019 4,091.66 74.21
Joseph Smitherman Clothing Reimbursement for 2019 - Detective Bur 101-305-758.000	<i>Union Contract Clothing Allowance</i>	Invoice Amount: Check Date:	\$374.70 12/10/2019 374.70
Tacoma, Josphe reimbursement for cpr Instr and paramedic licens 101-336-960.000 101-336-960.000	<i>CPR Instructor Class Paramedic License Reimbursement</i>	Invoice Amount: Check Date:	\$429.00 12/10/2019 404.00 25.00
Techniques of Alcohol Management Inv. 841 11/7/19 Michigan Liquor Law Seminar 101-305-960.000	<i>Sergeant Rupard - Oct. 30, 2019</i>	Invoice Amount: Check Date:	\$195.00 12/10/2019 195.00
T-MOBIL USA, INC. Inv. 9379169873 11/12/19 Tower Dump for the D 101-305-818.000	<i>Case #19-8553</i>	Invoice Amount: Check Date:	\$50.00 12/10/2019 50.00
T-MOBIL USA, INC. Inv. 9379169874 11/12/19 Tower Dump for the D 101-305-818.000	<i>Case #19-8548</i>	Invoice Amount: Check Date:	\$50.00 12/10/2019 50.00

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

Tredroc Tire Service			Invoice Amount:	\$452.84
R3 Tire			Check Date:	12/10/2019
	101-336-863.000	R3 tire		452.84
TRISTAR FIRE PROTECTION, INC			Invoice Amount:	\$2,555.00
Sta#3 Sprinkler System Repairs 11/7/19			Check Date:	12/10/2019
	101-336-776.000	Sta#3 Sprinkler System Repairs		2,555.00
BLUE 360 MEDIA, LLC			Invoice Amount:	\$68.75
Inv. 42081 5/31/19 Michigan Penal Code and Mot			Check Date:	12/10/2019
	101-305-960.000	Spring 2019 Edition		60.00
	101-305-960.000	Shipping/Handling		8.75
Verizon Wireless - VSAT			Invoice Amount:	\$160.00
Inv. 190266928-92634713 10/18/19 Tower Dump			Check Date:	12/10/2019
	101-305-818.000	Administrative Charges		50.00
	101-305-818.000	40400 E. Ann Arbor Road		60.00
	101-305-818.000	1043 W. Ann Arbor Road		50.00
WAYNE COUNTY			Invoice Amount:	\$140.00
Inv. 301198 11/14/19 September Prisoner Housin			Check Date:	12/10/2019
	101-305-832.000	September Prisoner Housing		140.00
WCA ASSESSING			Invoice Amount:	\$24,604.58
Appraisal Services Rendered -December 2019			Check Date:	12/10/2019
	101-209-818.000	Appraisal Services Rendered (Contract)		24,447.91
	101-209-818.000	Co-Star Services		156.67
Thomas Reuters -WEST PAYMENT CENTER			Invoice Amount:	\$300.68
Inv. 841209949 11/1/19 West Information Charg			Check Date:	12/10/2019
	101-305-960.000	October 1-31, 2019		300.68
Great Lakes Water Authority			Invoice Amount:	\$350,038.06
GLWA - October 2019 Water Usage Charges			Check Date:	12/10/2019
	592-441-741.000	GLWA - October 2019 Water Usage		350,038.06
Dell Financial Services			Invoice Amount:	\$61.94
Planning Dept.-- Computer Lease Qtly Payment -			Check Date:	12/10/2019
	101-100-123.000	Planning Dept. .Computer (Lease-Qtly)		61.94
Dell Financial Services			Invoice Amount:	\$768.48
Computer Leases Qtly Payments 1/1/20--3/31/20			Check Date:	12/10/2019
	101-100-123.000	PREPAID EXPENSES		640.40
	226-100-123.000	PREPAID EXPENSES		64.04
	592-100-123.000	PREPAID EXPENSES		64.04
Dell Financial Services			Invoice Amount:	\$126.34
Computer Leases - Optiplex 7060 (HR & Bldg) 1/			Check Date:	12/10/2019
	101-371-978.500	Building - 1 comptuer (see notes)		63.17
	101-171-978.500	HR - 1 computer (see notes)		63.17
Dell Financial Services			Invoice Amount:	\$985.70
Computer Leases - Optiplex 7060 (Police Dept.)			Check Date:	12/10/2019
	101-100-123.000	PREPAID EXPENSES		985.74
	101-100-123.000	PREPAID EXPENSES		(0.04)

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

SUPERIOR GLASS BLOCK		Invoice Amount:		\$180.00
PERMIT REFUND PB19-1185		Check Date:		12/10/2019
	101-371-965.000	10980 FELLOWS CREEK DR REFUND		180.00
COLONIAL HEATING AND COOLING		Invoice Amount:		\$320.00
PERMIT REFUND		Check Date:		12/10/2019
	101-371-965.000	PB19-0620		320.00
WEATHERGARD WINDOW CO		Invoice Amount:		\$80.00
PERMIT REFUND PB19-1031		Check Date:		12/10/2019
	101-371-965.000	9272 WESTBURY		80.00
KEARNS BROTHERS		Invoice Amount:		\$80.00
REFUND PB19-1192		Check Date:		12/10/2019
	101-371-965.000	REFUND OF 13676 CRANBROOK		80.00
Total Amount to be Disbursed:				\$810,370.93

Charter Township of Plymouth
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P. Bonds Page: 12/14/19

VENDOR INFORMATION

35TH DISTRICT COURT
BOND RECEIPT 11-25-2019

702-100-087.000
702-100-087.000

BOND RECEIPT NUMBER 8336
BOND RECEIPT NUMBER 8337

INVOICE INFORMATION

Invoice Amount: \$200.00
Check Date: 12/07/2019
100.00
100.00

Total Amount to be Disbursed: \$200.00

Charter Township of Plymouth

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Refunds Page 12/4/19

VENDOR INFORMATION**INVOICE INFORMATION****SOLE CONSTRUCTION, INC.**

BD Bond Refund

701-100-202.701

BPZ19-0006 - PB19-0322

Invoice Amount:**\$7,200.00****Check Date:****12/02/2019**

7,200.00

SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

701-100-202.701

BPZ19-0006 - PB19-0322

Invoice Amount:**\$280.00****Check Date:****12/02/2019**

280.00

SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

701-100-202.701

BE18-0021

Invoice Amount:**\$1,020.00****Check Date:****12/02/2019**

1,020.00

SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

701-100-202.701

BE18-0021

Invoice Amount:**\$1,439.75****Check Date:****12/02/2019**

1,439.75

Smithsoneon LLC

BD Bond Refund

701-100-202.701

BBD17-0045 - PB17-1028

Invoice Amount:**\$1,000.00****Check Date:****12/02/2019**

1,000.00

R & B Companies

BD Bond Refund

701-100-202.701

BBD19-0012 - PSW19-0032

Invoice Amount:**\$600.00****Check Date:****12/02/2019**

600.00

STASSINOS LIVONIA LLC

BD Bond Refund

701-100-202.701

BP18-0015 - PB18-0176

Invoice Amount:**\$2,000.00****Check Date:****12/02/2019**

2,000.00

RONNISCH CONSTRUCTION CO

BD Bond Refund

701-100-202.701

BP18-0024 - PB18-0463

Invoice Amount:**\$1,500.00****Check Date:****12/02/2019**

1,500.00

Total Amount to be Disbursed:**\$15,039.75**

Charter Township of Plymouth

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Weekly Page 12/4/19

VENDOR INFORMATION

INVOICE INFORMATION

A T & T

AT&T - Telephone/Internet Allocation Nov. 2019

101-201-853.000	Information Services	47.79
101-209-853.000	Assessing	28.54
101-371-853.000	Building	79.55
101-336-853.000	Fire	125.58
101-305-853.000	Police	127.22
101-171-853.000	Supervisor	74.38
101-253-853.000	Treasurer	63.45
101-215-853.000	Clerk	37.06
101-371-853.500	Community Development	29.61
101-325-853.000	Dispatch	47.86
101-265-854.000	Water/Sewer (Util)	11.36
101-691-853.000	Park	8.90
592-172-853.000	Gen Expense Tel	17.63

Invoice Amount: **\$698.93**
Check Date: **12/04/2019**

A T & T

AT&T - Telephone Allocation November 2019 - IP

101-201-853.000	Information Services	56.54
101-209-853.000	Assessing	33.76
101-371-853.000	Building	94.10
101-336-853.000	Fire	148.55
101-305-853.000	Police	150.49
101-171-853.000	Supervisor	87.98
101-253-853.000	Treasurer	75.06
101-215-853.000	Clerk	43.84
101-371-853.500	Community Development	35.03
101-325-853.000	Dispatch	56.61
101-265-854.000	Water/Sewer (Util)	13.44
101-691-853.000	Park	10.53
592-172-853.000	Gen Expense Tel	20.84

Invoice Amount: **\$826.77**
Check Date: **12/04/2019**

AMERITAS LIFE INSURANCE CORP.

Policy #010-048445-002 - Ameritas-RETIREE-Den

101-290-714.500	General Retirees	623.28
101-305-714.500	Police Retirees	732.84
101-325-714.500	Dispatch Retiree	57.64
101-336-714.500	Fire Dept. Retirees	1,339.92
592-172-714.500	DPS Clerical Retiree	30.68
592-291-714.500	DPW - Retiree	376.52

Invoice Amount: **\$3,160.88**
Check Date: **12/04/2019**

AMERITAS LIFE INSURANCE CORP.

Policy #010-048445-002 - Ameritas-RETIREE-Den

101-290-714.500	General Retirees	623.28
101-305-714.500	Police Retirees	732.84
101-325-714.500	Dispatch Retiree	57.64
101-336-714.500	Fire Dept. Retirees	1,339.92
592-172-714.500	DPS Clerical Retiree	30.68
592-291-714.500	DPW - Retiree	376.52

Invoice Amount: **\$3,160.88**
Check Date: **12/04/2019**

AMERITAS LIFE INSURANCE CORP.

Policy #010-048445-001 - Ameritas - ACTIVE Den

101-171-714.000	Supervisor Dept.	30.68
101-201-714.000	Information Services	97.08
101-215-714.000	Clerk Dept.	119.00
101-253-714.000	Treasury	154.72
101-265-714.000	Twp. Hall (Haack)	57.64

Invoice Amount: **\$5,476.04**
Check Date: **12/04/2019**

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

101-305-714.000	Police Dept.	1,880.28
101-325-714.000	Dispatch	723.40
101-336-714.000	Fire Dept.	1,702.32
101-371-714.000	Building Dept.	212.36
588-588-714.000	Senior Trans (Boyce)	97.08
226-226-714.000	Solid Waste (Visel)	97.08
592-172-714.000	DPS Clerical	119.00
592-291-714.000	DPW - Supervisory	127.76
101-371-714.000	Building - Atkins (see note)	57.64

AMERITAS LIFE INSURANCE CORP.**Invoice Amount: \$5,573.12**

Policy #010-048445-001 - Ameritas - ACTIVE Den

Check Date: 12/04/2019

101-171-714.000	Supervisor Dept.	30.68
101-201-714.000	Information Services	97.08
101-215-714.000	Clerk Dept.	119.00
101-253-714.000	Treasury	154.72
101-265-714.000	Twp. Hall (Haack)	57.64
101-305-714.000	Police Dept.	1,910.96
101-325-714.000	Dispatch	820.48
101-336-714.000	Fire Dept.	1,671.64
101-371-714.000	Building Dept.	212.36
588-588-714.000	Senior Trans (Boyce)	97.08
226-226-714.000	Solid Waste (Visel)	97.08
592-172-714.000	DPS Clerical	119.00
592-291-714.000	DPW - Supervisory	127.76
101-371-714.000	Building - Atkins (see note)	57.64

COMCAST**Invoice Amount: \$126.90**

Comcast High Speed Internet - December 2019- 9

Check Date: 12/04/2019

101-290-941.000	Comcast High Speed Internet -Dec2019	126.90
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COMCAST**Invoice Amount: \$158.52**

Comcast High Speed Internet - Township Park -D

Check Date: 12/04/2019

101-691-921.000	High Speed Internet - Township Park	158.52
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CONSUMERS ENERGY**Invoice Amount: \$3,586.98**

Monthly Chgs - November 2019

Check Date: 12/04/2019

101-171-921.000	Supervisor	205.92
101-201-921.000	Info Services	110.19
101-209-921.000	Assessing	58.95
101-215-921.000	Clerk	178.96
101-253-921.000	Treasurer	74.74
101-305-921.000	Police	591.38
101-325-921.000	Dispatch	123.09
101-325-921.400	Lock Up	123.09
101-336-921.000	Fire Dept	1,389.98
101-371-921.000	Building	129.64
101-371-921.500	Comm Devel	72.62
101-691-921.000	Park	340.78
226-226-921.000	Utilities-Solid Waste	17.07
592-444-745.000	Power & Pumping-DPW	170.57

CHARTER TWSP OF PLYMOUTH**Invoice Amount: \$1,497.61**

Plymouth Township - Water/Sewer - December

Check Date: 12/04/2019

101-171-921.000	Supervisor	37.57
101-201-921.000	Information Services	20.10
101-209-921.000	Assessors	10.75
101-215-921.000	Clerk	32.65

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

101-253-921.000	Treasurer	13.64
101-265-854.000	Building	57.03
101-305-921.000	Police	107.90
101-325-921.000	Communications/Dispatch	22.46
101-325-921.400	Lock Up	22.46
101-336-921.000	Fire	483.04
101-371-921.000	Building	23.65
101-371-921.500	Planning	13.25
101-691-921.000	Park	420.00
226-226-921.000	Solid Waste	3.11
592-172-921.000	Adm/Gen Expense	167.49
592-444-745.000	Power & Pumping	58.87
588-588-921.000	Friendship Station	3.64

VERIZON WIRELESS**Invoice Amount: \$89.17**

Verizon - Cell Phones for Park & Fire (Acct. #3)

Check Date: 12/04/2019

101-691-853.000	Park Cell phone	40.01
101-336-853.000	Fire - (Lifepacks)	49.16

Total Amount to be Disbursed: \$24,355.80

Charter Township of Plymouth
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P. Bonds Page 11/27/19

VENDOR INFORMATION

INVOICE INFORMATION

35TH DISTRICT COURT		Invoice Amount:		\$500.00
BOND RECEIPT 11-20-2019		Check Date:		11/30/2019
	702-100-087.000	BOND RECEIPT NUMBER 8333		500.00
35TH DISTRICT COURT		Invoice Amount:		\$600.00
BOND RECEIPT 11-22-2019		Check Date:		11/30/2019
	702-100-087.000	BOND RECEIPT NUMBER 8334		100.00
	702-100-087.000	BOND RECEIPT NUMBER 8335		500.00
Total Amount to be Disbursed:				\$1,100.00

Charter Township of Plymouth
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Refunds Page 11/27/19

VENDOR INFORMATION**INVOICE INFORMATION****SIMPLIFILE, LC**

BD Bond Refund

701-100-202.701

BE18-0023

Invoice Amount:**\$42.00****Check Date:****11/27/2019**

42.00

SIMPLIFILE, LC

BD Bond Refund

701-100-202.701

BE18-0017

Invoice Amount:**\$33.00****Check Date:****11/27/2019**

33.00

Total Amount to be Disbursed:**\$75.00**

Charter Township of Plymouth

AP Invoice Listing - Board Report

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VENDOR INFORMATION

INVOICE INFORMATION

ALERUS FINANCIAL		Invoice Amount:	\$6,196.70
Defined Contribution - PAYDATE 11-22-2019 (see		Check Date:	11/27/2019
101-325-714.050	Define Contribution -Dispatch (Employer)		1,986.45
101-100-231.000	Employee Cont -all		1,586.67
101-305-714.030	Define Contribution-Police (ER)		2,623.58
A T & T		Invoice Amount:	\$967.70
AT&T - Telephone November 2019 Acct. 83		Check Date:	11/27/2019
101-325-853.400	November 2019 Comm/Lockup Phone		967.70
ADP INC		Invoice Amount:	\$4,092.53
ADP EnterpriseTime & Workforce Now & Payroll S		Check Date:	11/27/2019
101-290-941.000	Enterprise eTime		2,360.95
101-290-941.000	Workforce Now		740.25
101-290-941.000	Payroll Services		991.33
BASIC		Invoice Amount:	\$395.00
Annual Section 125 FSA Plan Renewal Fee for 202		Check Date:	11/27/2019
101-100-123.000	2020 Renewal Fee		395.00
BLUE CARE NETWORK OF MICHIGAN		Invoice Amount:	\$10,505.99
December 2019 - - BCN Classes 9 & 10 - Sprea		Check Date:	11/27/2019
101-290-714.500	General Retirees Healthcare		4,379.10
101-305-714.500	Police Retirees Healthcare		583.88
101-325-714.500	Dispatch Retirees Healthcare		583.88
101-336-714.500	Fire Retirees Healthcare		3,791.37
592-291-714.500	Public Works Retirees Healthcare		1,167.76
BLUE CARE NETWORK OF MICHIGAN		Invoice Amount:	\$95,318.18
December 2019 Coverage Coverage - classes 7 &		Check Date:	11/27/2019
101-171-714.000	Supervisor's Office		499.82
101-201-714.000	IT Dept.		1,289.52
101-253-714.000	Treasurer's Dept.		1,194.56
101-305-714.000	Police		18,803.08
101-325-714.000	Dispatch		11,530.74
101-336-714.000	Fire		19,592.78
101-371-714.000	Building		3,678.64
592-291-714.000	Public Works (Fellrath)		1,789.34
101-305-714.500	Police - Retirees		11,657.38
101-336-714.500	Fire - Retirees		17,414.00
101-215-714.000	Clerk's Office		999.64
101-265-714.000	Building & Grounds (Haack)		1,194.56
592-172-714.000	Public Services		2,194.20
226-226-714.000	Solid Waste (Visel)		1,289.52
592-291-714.000	Public Works Retiree (Wallace)		900.88
588-588-714.000	Senior Trans (Boyce)		1,289.52
BUONO, DUANE		Invoice Amount:	\$4,851.25
NOVEMBER 2019 MECH INSP PAY		Check Date:	11/27/2019
101-371-818.000	NOV PAY		4,851.25
COMCAST		Invoice Amount:	\$166.85
Internet - November 2019 Acct 8529 10 216 1472		Check Date:	11/27/2019
101-290-941.000	November 2019 Internet (Gen)		166.85
COMCAST		Invoice Amount:	\$175.69
Internet - November 2019 -- Acct 8529 10 216 18		Check Date:	11/27/2019

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

	101-265-854.000	Senior Ctr Internet	165.15
	588-588-921.000	Senior Trans Internet	10.54
COMCAST		Invoice Amount:	\$146.85
Internet Port Street - December 2019-- Acct 852		Check Date:	11/27/2019
592-291-805.000	Internet - Port Street		146.85
COMCAST		Invoice Amount:	\$104.85
Internet - November 2019 Acct 8529 10		Check Date:	11/27/2019
101-336-921.000	November Fire Internet		104.85
COMCAST		Invoice Amount:	\$61.67
Internet - December 2019 Xfinity Acct 8529 1		Check Date:	11/27/2019
101-290-941.000	December 2019 Internet		61.67
CONSUMERS ENERGY		Invoice Amount:	\$717.06
Monthly Chgs - December 2019 DPW ONLY		Check Date:	11/27/2019
592-172-921.000	DPW-ACCT. # 1000-2645-6283		698.79
592-172-921.000	DPW - ACCT. 3 1000-2645-6408		18.27
DTE ENERGY		Invoice Amount:	\$164.11
Baseball Diamonds October 2019-- 9100-157-687		Check Date:	11/27/2019
101-691-921.000	Baseball Diamonds		164.11
FIDELITY SECURITY LIFE INSURANCE CO		Invoice Amount:	\$575.36
EYEmed - Retirees November 2019 (Spreadsheets)		Check Date:	11/27/2019
592-172-714.500	Public Services Retiree		5.69
592-291-714.000	Public Works Retirees		70.55
101-371-714.500	Building Retirees		15.87
101-336-714.500	Fire Dept. Retirees		243.90
101-325-714.500	Dispatch Retiree		10.81
101-305-714.500	Police Dept. Retirees		130.11
101-290-714.500	General Retirees		98.43
FIDELITY SECURITY LIFE INSURANCE CO		Invoice Amount:	\$957.59
EYEmed - Current Employees -November 2019 (2		Check Date:	11/27/2019
101-171-714.000	Supervisor Dept.		5.69
101-201-714.000	Info Systems		15.87
101-215-714.000	Clerk Dept.		22.19
226-226-714.000	Solid Waste (Visel)		15.87
101-253-714.000	Treasurer Dept.		26.68
101-265-714.000	Township Hall (Haack)		10.81
101-305-714.000	Police Dept.		328.13
101-325-714.000	Dispatch		155.47
101-336-714.000	Fire Dept.		279.77
101-371-714.000	Building Dept.		37.49
588-588-714.000	Senior Trans (Boyce)		15.87
592-172-714.000	Public Services		22.19
592-291-714.000	Public Works Admin.		21.56
HEILEMAN, JAMES		Invoice Amount:	\$4,764.25
NOVEMBER 2019 ELECTRICAL INSP PAY		Check Date:	11/27/2019
101-371-818.000	NOVEMBER PAY		4,764.25
HONKE, ANITA		Invoice Amount:	\$135.50
Medicare Part B - December 2019		Check Date:	11/27/2019
101-336-714.000	Medicare Part B December 2019		135.50

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION****I.A.F.F. - LOCAL 1496**

#900536 CREDIT ACCT #66357-5-19 - IAFF Dues
101-100-232.020

November 2019 Union Dues

Invoice Amount: **\$3,540.00**
Check Date: **11/27/2019**
3,540.00

KNUPP, LINDA

Medicare Part B December 2019
101-336-714.500

Medicare Part B December 2019

Invoice Amount: **\$135.50**
Check Date: **11/27/2019**
135.50

M E R S

MERS - November 2019 Employee AND Employer
101-100-231.030
101-100-231.030
101-100-231.020
101-100-231.050
101-305-714.030
101-305-714.030
101-336-714.020
101-325-714.050

Invoice Amount: **\$133,767.79**
Check Date: **11/27/2019**
3,834.53
15,739.76
12,796.79
5,016.64
17,354.07
24,398.00
47,349.00
7,279.00

MAAS, CARLAS

Medicare Part B December 2019
101-336-714.000

Medicare Part B - December 2019

Invoice Amount: **\$176.20**
Check Date: **11/27/2019**
176.20

JOHN HANCOCK LIFE INSURANCE CO.

11-22-19- EMPLOYER PEN MATCH (spreadsheet
592-291-714.010
592-291-714.040
226-226-714.010
592-172-714.010
101-265-714.010
101-371-714.010
101-336-714.010
101-336-714.020
101-325-714.010
101-305-714.010
101-253-714.010
101-215-714.010
101-201-714.010
101-171-714.010
588-588-714.010

Invoice Amount: **\$19,705.59**
Check Date: **11/27/2019**
DPW (Fellrath & Hamann) 1,010.31
DPW 2,648.76
Solid Waste (Visel) 323.66
Public Services (Kline, Latawiec, Martin) 837.23
Township Hall (Haack) 238.39
Building Dept. 1,259.15
Fire (Admin) (Jowsey) 256.05
Fire Dept 4,539.75
Dispatch (Bonadeo) 294.19
Police Dept. 646.99
Treasurer's Office 954.29
Clerk's Office 4,883.72
IT Services (Janks) 577.44
Supervisor's Office 999.30
Friendship Station (Boyce) 236.36

JOHN HANCOCK LIFE INSURANCE CO.

11-22-19- EMPLOYEE CONTRIB (spreadsheet att
101-100-231.000

Invoice Amount: **\$6,295.93**
Check Date: **11/27/2019**
Employee Contribution (EEMBT)(EEVND) 6,295.93

MUNSON, STEVE

NOVEMBER 2019 PLUMBING INSP PAY
101-371-818.000

NOVEMBER 2019 PAY

Invoice Amount: **\$1,115.25**
Check Date: **11/27/2019**
1,115.25

NATIONWIDE RET SOL USCM/MIDWEST

Pay ending 11/17/2019 - spreadsheet and invoice
101-100-239.000

Invoice Amount: **\$14,857.76**
Check Date: **11/27/2019**
Contributions for pay ending 11/17/2019 14,857.76

A T & T LONG DISTANCE

Long Distance Allocation October 2019
101-201-853.000
101-209-853.000

Invoice Amount: **\$2.88**
Check Date: **11/27/2019**
-Info services 0.20
Assessing 0.12

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

VENDOR INFORMATION**INVOICE INFORMATION**

101-371-853.000	Building	0.32
101-336-853.000	Fire	0.52
101-171-853.000	Supervisor	0.31
101-253-853.000	Treasurer	0.26
101-215-853.000	Clerk	0.15
101-371-853.500	Community Development (Planning)	0.12
101-325-853.000	Dispatch	0.20
101-265-854.000	Township Hall	0.05
101-691-853.000	Park	0.04
592-172-853.000	DPW	0.07
101-305-853.000	Police	0.52

WESTERN TWNPS UTILITIES AUTHORITY**Invoice Amount: \$46,353.93**

WTUA - October 2019

Check Date: 11/27/2019

592-441-742.000	Monthly Charges	33,625.44
592-441-743.000	YUCA IPP-IWC	5,284.60
592-443-937.000	Country Acres Pump Station	662.25
592-100-185.000	Capital Improvement Program	6,781.64

Total Amount to be Disbursed: \$356,247.96

Charter Township of Plymouth
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VENDOR INFORMATION**INVOICE INFORMATION**

35TH DISTRICT COURT		Invoice Amount:	\$900.00
BOND RECEIPT 11-08-2019		Check Date:	11/23/2019
702-100-087.000	BOND RECEIPT NUMBER 8368		300.00
702-100-087.000	BOND RECEIPT NUMBER 8369		100.00
702-100-087.000	BOND RECEIPT NUMBER 8370		500.00
35TH DISTRICT COURT		Invoice Amount:	\$1,666.00
BOND RECEIPT 11-12-2019		Check Date:	11/23/2019
702-100-087.000	BOND RECEIPT NUMBER 8326		300.00
702-100-087.000	BOND RECEIPT NUMBER 8371		100.00
702-100-087.000	BOND RECEIPT NUMBER 8373		1,000.00
702-100-087.000	BOND RECEIPT NUMBER 8374		166.00
702-100-087.000	BOND RECEIPT NUMBER 8375		100.00
35TH DISTRICT COURT		Invoice Amount:	\$1,050.00
BOND RECEIPT 11-18-2019		Check Date:	11/23/2019
702-100-087.000	BOND RECEIPT NUMBER 8328		150.00
702-100-087.000	BOND RECEIPT NUMBER 8329		100.00
702-100-087.000	BOND RECEIPT NUMBER 8330		500.00
702-100-087.000	BOND RECEIPT NUMBER 8331		300.00
52-1 DISTRICT COURT		Invoice Amount:	\$500.00
BOND RECEIPT 11-18-2019		Check Date:	11/23/2019
702-100-087.000	BOND RECEIPT NUMBER 8332		500.00
Total Amount to be Disbursed:			\$4,116.00

Charter Township of Plymouth

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Board Ken 11/20/19

VENDOR INFORMATION**INVOICE INFORMATION**

ADVANCED DISPOSAL		Invoice Amount:	\$821.00
TWP FACILITIES - NOV 2019 FEES		Check Date:	11/26/2019
101-691-931.000	TWP PARK TRASH/RECYCLE		306.00
101-336-776.000	FIRE STN 3 TRASH		25.00
101-691-931.000	LK PNT SOCCER PARK TRASH		68.00
101-265-776.000	TWP HALL TRASH/RECYCLE		170.00
592-172-776.000	DPW TRASH		68.00
510-510-737.000	HILL TOP TRASH/RECYCLE		134.00
101-336-776.000	FIRE STN 2 TRASH		25.00
101-265-815.000	FRIENDSHIP STATION TRASH		25.00
ADVANCED DISPOSAL		Invoice Amount:	\$125.00
TWP PARK FACILITY - YD WASTE FEES_NOV 201		Check Date:	11/26/2019
101-691-931.000	TWP PARK YARD WASTE		125.00
A.S.C., INC		Invoice Amount:	\$105.00
SA-Alarm- - Qtly Billing - 10/1/19- 12/31/19 - Invi		Check Date:	11/26/2019
101-265-776.000	SA-Alarm		50.04
101-305-776.000	SA-Alarm		32.24
101-336-776.000	SA-Alarm		13.42
592-172-776.000	SA-Alarm		9.30
APOLLO FIRE EQUIPMENT		Invoice Amount:	\$279.50
MSA G1 Facepiece		Check Date:	11/26/2019
101-336-758.100	MSA G1 Facepiece #AG1FPFM1MFC1		279.50
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$80.00
Public Notice of Budget Hearing - November 12, 2		Check Date:	11/26/2019
101-215-813.000	Budget Pub Hearing		80.00
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$66.89
SAD Hearing for General Dr		Check Date:	11/26/2019
101-215-813.000	SAD Hearing-General Dr		66.89
BATTERY SOLUTIONS, LLC.		Invoice Amount:	\$109.95
Battery Recycle		Check Date:	11/26/2019
226-226-810.000	lRecycle - Filled Pail #A463869 11/05/19		109.95
BIO-CARE INC		Invoice Amount:	\$2,692.00
FF/Paramedic Physicals		Check Date:	11/26/2019
101-336-835.000	Physicals/Mask fit test		1,872.00
101-336-835.000	TB Screening		550.00
101-336-835.000	Travel to/From 2 trips		145.00
101-336-835.000	Technician		125.00
OCCUPATIONAL HEALTH CENTERS OF MI		Invoice Amount:	\$79.00
Recertification - Melow- DPW - - Invoice #71295		Check Date:	11/26/2019
592-172-818.000	Steve Melow (DPW)		79.00
CDW GOVERNMENT INC		Invoice Amount:	\$1,275.99
Server Support Renewal - Service Express -5 Ser		Check Date:	11/26/2019
101-290-941.000	Server Support-MXQ52508V1 - thru 9/30/20		381.33
101-290-941.000	Server Support-2M251702J3 - thru 9/30/20		132.00
101-290-941.000	Server Support-MXQ51603SR - thru 9/30/20		381.33
101-290-941.000	Server Support-MXQ4100377 - thru 9/30/20		293.33
101-290-941.000	Server Support-MXQ20204W1 - thru 9/30/20		88.00

Charter Township of Plymouth

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VENDOR INFORMATION

INVOICE INFORMATION

CORPORATE CLEANING GROUP INC			Invoice Amount:	\$2,079.00
MONTHLY CLEANING			Check Date:	11/26/2019
	101-305-776.000	INVOICE 8344		914.76
	101-336-776.000	INVOICE 8344		83.16
	592-172-776.000	INVOICE 8344		187.11
	101-265-776.000	INVOICE 8344		893.97
CORPORATE CLEANING GROUP INC			Invoice Amount:	\$2,254.00
MONTHLY CLEANING			Check Date:	11/26/2019
	101-305-776.000	INVOICE 8615		914.76
	101-336-776.000	INVOICE 8615		83.16
	592-172-776.000	INVOICE 8615		187.11
	101-265-776.000	INVOICE 8615		893.97
	101-325-818.400	invoice 8615 hazmat clean		175.00
CORPORATE CLEANING GROUP INC			Invoice Amount:	\$405.00
MONTHLY CLEANING			Check Date:	11/26/2019
	592-172-776.000	INVOICE 8659		345.00
	101-265-858.000	INVOICE 8659		60.00
CORPORATE CLEANING GROUP INC			Invoice Amount:	\$405.00
MONTHLY CLEANING			Check Date:	11/26/2019
	592-172-776.000	INVOICE 8328		345.00
	101-265-858.000	INVOICE 8328		60.00
CORRIGAN OIL COMPANY			Invoice Amount:	\$1,556.92
Fuel #6920753 11/28/19			Check Date:	11/26/2019
	592-291-863.000	Dyed Ultra Low Sulfur #2 Mix		616.93
	592-291-863.000	Fuel Tax Recap		7.98
	592-291-863.000	Environmental Fee		6.95
	592-291-863.000	GE87 GAS-ETHANOL		925.06
Corporate Benefit Solutions, LLC			Invoice Amount:	\$289.16
November 2019 Monthly Premium for BenExpress			Check Date:	11/26/2019
	101-171-818.000	November 2019 BenExpress Enrollment		400.00
	101-171-818.000	November 2019 UNUM BenX Credit		(110.84)
MICH MUN RISK MGT AUTHORITY ECP			Invoice Amount:	\$9,227.29
Electric Choice - October 2019			Check Date:	11/26/2019
	101-336-921.000	Electric Choice		1,357.60
	592-172-921.000	Electric Choice		552.85
	101-171-921.000	Electric Choice		534.42
	101-201-921.000	Electric Choice		285.96
	101-209-921.000	Electric Choice		152.98
	101-215-921.000	Electric Choice		464.43
	101-253-921.000	Electric Choice		193.97
	101-305-921.000	Electric Choice		1,534.77
	101-325-921.000	Electric Choice		319.45
	101-325-921.400	Electric Choice		319.45
	101-336-921.000	Electric Choice		225.97
	101-371-921.000	Electric Choice		336.45
	101-371-921.500	Electric Choice		188.47
	592-172-921.000	Electric Choice		442.93
	592-172-921.000	Electric Choice		569.03
	101-336-921.000	Electric Choice		581.06
	101-691-921.000	Electric Choice		405.17
	101-265-921.000	Electric Choice		78.57

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

	588-588-921.000	Electric Choice	5.01
	101-100-067.010	Electric Choice	678.75
Denny's Service Center		Invoice Amount:	\$172.49
#869609 - Senior Transportation Vehicle Repair (Check Date:	11/26/2019
588-588-863.000	Labor and parts-# 869609		172.49
Denny's Service Center		Invoice Amount:	\$59.22
#869490 - Senior Transportation Vehicle Repair (Check Date:	11/26/2019
588-588-863.000	Labor and parts-# 869490		59.22
JACK DOHENY COMPANIES INC		Invoice Amount:	\$2,510.59
JET/VACTOR ANNUAL PREVENTATIVE MAINTENA		Check Date:	11/26/2019
592-291-851.000	JET/VACTOR ANNUAL PREVENTATIVE MAINTENANCE		2,510.59
EctoHR, Inc.		Invoice Amount:	\$6,825.00
EctoHR - October 2019 Services - Invoice # 1087		Check Date:	11/26/2019
101-171-818.200	10 -19 Services - Inv 10875		6,825.00
Elan Equipment, Inc.		Invoice Amount:	\$1,295.00
Invoice # 1911622 - Leightronix Total Info 1 yea		Check Date:	11/26/2019
101-290-818.000	Invoice # 1911622		1,295.00
ENGRAVING CONNECTION		Invoice Amount:	\$125.12
Vehicle signage		Check Date:	11/26/2019
101-336-863.000	Veh Speed 86		55.36
101-336-863.000	Veh Speed 10 MPH over posted		69.76
FIRE SERVICE MANAGEMENT		Invoice Amount:	\$305.00
Gear Repair & Cleaning - Inman		Check Date:	11/26/2019
101-336-758.100	Clean & Repair gear - FF Inman		305.00
GFL Environmental USA, Inc.		Invoice Amount:	\$225.00
DPW RECYCLE CENTER		Check Date:	11/26/2019
226-226-810.500	10/28/19 - CARDBOARD/PAPER		225.00
GFL Environmental USA, Inc.		Invoice Amount:	\$103,499.76
OCT 2019 - RESIDENTIAL COLLECTION FEE		Check Date:	11/26/2019
226-226-810.000	OCT 2019 TRASH		66,887.60
226-226-810.000	OCT 2019 RECYCLING		18,658.12
226-226-810.000	OCT 2019 YARD WASTE		17,954.04
GFL Environmental USA, Inc.		Invoice Amount:	\$11,753.25
JUN 2019 RESIDENTIAL YARD WASTE DISPOSAL		Check Date:	11/26/2019
226-226-810.000	470.13 TONS @ 25.00/TON		11,753.25
GFL Environmental USA, Inc.		Invoice Amount:	\$28,134.50
AUG - SEP 2019 RESIDENTIAL YARD WASTE DISP		Check Date:	11/26/2019
226-226-810.000	273.09 TONS @ 25.00/TON - AUG 2019		6,827.25
226-226-810.000	400.03 TONS @ 25.00/TON - SEP 2019		10,000.75
226-226-810.000	452.26 TONS @ 25.00/TON - OCT 2019		11,306.50
GFL Environmental USA, Inc.		Invoice Amount:	\$250.00
SPECIAL PICKUP - 45045 TURTLEHEAD		Check Date:	11/26/2019
226-226-810.000	SPECIAL PICKUP CURBSIDE_10/31/19		250.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

Great Lakes Ace Hardware Accessories & parts 101-336-776.000	Invoice Amount: \$131.74 Check Date: 11/26/2019 Accessories & parts for fire stations 131.74
GUARDIAN ALARM CO Alarm billing PLYMOUTH TOWNSHIP DPW 46555 592-172-818.000	Invoice Amount: \$279.24 Check Date: 11/26/2019 Monitoring, Maintenance & Services 279.24
Hallahan & Associates, PC Assessing Legal Services October 2019 (see detail 101-209-826.000	Invoice Amount: \$939.12 Check Date: 11/26/2019 Assessing Legal Services-Inv# 16761 939.12
HAROLD'S FRAME SHOP INVOICE #93259 11/12/19 592-291-863.000 592-291-863.000	Invoice Amount: \$129.97 Check Date: 11/26/2019 MOTOR RELAY KIT FLEET FLEX 59.97 ONE GAL HIGH PERFORMANCE FLUID 70.00
HEMMING,POLACZYK,CRONIN,SMITH, Legal Services October 2019 services (KEVIN BE 101-290-825.000 101-290-827.000 101-290-826.000 101-290-826.000 101-290-826.000 101-290-826.000 101-290-826.000 101-290-826.000	Invoice Amount: \$10,763.50 Check Date: 11/26/2019 Ordinance Prosecutions 3,388.87 Community Development 2,257.50 Admin 1,929.38 Misc. 11.50 Building Dept. 1,496.25 Water & Sewer 656.25 Public Services 1,023.75
HERSCH'S INC. Sales Order #SQ4300 10/29/19 101-446-731.000 101-446-731.000	Invoice Amount: \$6,251.76 Check Date: 11/26/2019 ICE AWAY 50LB BAG 6,182.40 DELIVERY CHARGE TRUCKLOAD RATE 69.36
HERSCH'S INC. Sales Order #SQ4300 10/29/19 101-446-731.000 101-446-731.000	Invoice Amount: \$2,507.56 Check Date: 11/26/2019 Mag 50# Pellets 1/48 550179 2,496.00 DELIVERY 11.56
HYDRO CORP Cross Connection Control program October 2019 592-291-804.000	Invoice Amount: \$1,779.00 Check Date: 11/26/2019 Cross Connection Control program Oct19 1,779.00
I.T Right, Inc. Tech Support - BSA Server Backup Configuration - 101-290-941.000	Invoice Amount: \$75.00 Check Date: 11/26/2019 Tech Support-BSA Backup Config 75.00
IRON MOUNTAIN Offsite Storage - November 2019 101-215-818.000	Invoice Amount: \$231.82 Check Date: 11/26/2019 Offsite Storage-Nov 2019 231.82
ACROSS THE STREET PRODUCTIONS Blue Card Training Haller, Bonadeo, Loudon 101-336-960.000	Invoice Amount: \$1,039.50 Check Date: 11/26/2019 Blue Card Train-Haller, Bonadeo, Loudon 1,039.50
KNIGHT TECHNOLOGY GROUP, INC. Firewall Monitoring Nov 2019 - Invoice# 14059 101-290-941.000	Invoice Amount: \$150.00 Check Date: 11/26/2019 Firewall Monitoring - Nov 2019 150.00

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$1,500.00
DATTO Cloud Backup Subscription - Inv# 14089		Check Date:	11/26/2019
101-201-978.000	DATTO Backup Monthly Subscription		1,500.00
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$298.34
Copy charges -October 2019		Check Date:	11/26/2019
101-371-727.000	Color Copies - Bldg		131.24
101-371-727.000	B&W Copies - Bldg		10.20
101-215-727.000	Color Copies - Clerk		152.32
101-215-727.000	B&W Copies - Clerk		4.58
LARSON, OSCAR W. CO.		Invoice Amount:	\$500.00
Annual "A" Operator renewal 10/29/19		Check Date:	11/26/2019
592-172-818.000	Annual "A" operator renewal		500.00
AutoZone		Invoice Amount:	\$12.66
tail light for U3		Check Date:	11/26/2019
101-336-863.000	taillight		12.66
AutoZone		Invoice Amount:	\$41.49
Vehicle accessories		Check Date:	11/26/2019
101-336-863.000	Vehicle accessories		41.49
M H R BILLING SERVICES		Invoice Amount:	\$756.00
Monthly Billing fees		Check Date:	11/26/2019
101-336-959.000	Monthly Billing Fees		756.00
MacAllister Rentals		Invoice Amount:	\$825.21
RETURNED CAT 303 EXCAVATOR 10/24/19		Check Date:	11/26/2019
592-291-935.000	mini excavator		550.00
592-291-935.000	environmental fee		11.00
592-291-935.000	TAX		46.71
592-291-935.000	RENTAL PROTECTION PLAN		82.50
592-291-935.000	DELIVERY CHARGE		135.00
MARSH POWER TOOLS		Invoice Amount:	\$1,479.98
saw and batteries		Check Date:	11/26/2019
101-336-978.001	60V Rec Saw DCS388T2		379.99
101-336-978.001	9In 60V Const Saw DCS690X2		699.99
101-336-978.001	Upgrade 4 batteries to 60V 12AH		400.00
MCKENNA ASSOCIATES INC		Invoice Amount:	\$2,097.00
Professional Services -October 2019 - 90047-34		Check Date:	11/26/2019
101-371-818.500	Prep & Attend Mtg 10/16;10/23; conf. cal		880.00
101-371-818.500	#2329-Helm St. Landscape #1		350.00
101-371-818.500	#2347-Land. Div. #1, 45000 Helm St		350.00
101-371-818.500	Addtl. Senior Planner (2 hrs) Memo-		220.00
101-371-818.500	Assoc. Planner - Plann. Comm. Agenda		110.00
101-371-818.500	Assoc. Planner-Historic Designation App		187.00
MCKENNA ASSOCIATES INC		Invoice Amount:	\$6,083.00
Professional Services - October 2019 - Invoice #		Check Date:	11/26/2019
101-371-818.500	13.30 - 1/2 day on-site services (70%)		5,054.00
101-371-818.500	1.40 - Full days (70%)		1,029.00
MERCHANTS & MEDICAL CREDIT CORP, IN		Invoice Amount:	\$353.43
Collection fees		Check Date:	11/26/2019

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

	101-336-959.000	Transport billing fees	353.43
MICHIGAN AIR SOLUTIONS, LLC		Invoice Amount:	\$1,050.62
Compressor Air leak and housing repair		Check Date:	11/26/2019
	101-336-851.000	Compressor repair sta#2	1,050.62
MICHIGAN FIRE TRAINING CONSULTANTS		Invoice Amount:	\$1,200.00
Elevator training		Check Date:	11/26/2019
	101-336-960.000	Elevator training classes	1,200.00
MI DEPT OF ENVIRO, GR LAKES & ENERG		Invoice Amount:	\$10,882.41
2019 Annual WSSN: 05420 10/30/19 #761-10462		Check Date:	11/26/2019
	592-172-958.000	Mi Public Water Supple Fee	10,882.41
M M L WORKER'S COMPENSATION FUND		Invoice Amount:	\$33,050.00
MML - Workers Comp Fund - July 2019-2020 Cov		Check Date:	11/26/2019
	588-588-720.000	Bus Drivers (senior)	711.96
	592-172-720.000	Water Operations	3,625.76
	101-336-720.000	Firefighters	13,800.12
	101-305-720.000	Police Officers	11,873.33
	101-171-720.000	Clerical - Suopervisor	109.43
	101-201-720.000	Clerical - IT	82.07
	101-215-720.000	Clerical - Clerk	205.17
	226-226-720.000	Clerical - Solid Waste	27.36
	101-253-720.000	Clerical - Treasurer	82.07
	101-305-720.000	Clerical-Police	41.03
	101-325-720.000	Clerical-Dispatch (1)	54.71
	101-325-720.000	Clerical Dispatch	519.77
	101-336-720.000	Clerical - Fire	27.36
	101-371-720.000	Clerical - Building	41.03
	588-588-720.000	Clerical - Senior	27.36
	592-172-720.000	Clerical - Water/Sewer	150.46
	101-101-720.000	Elected Officials -	17.58
	101-171-720.000	Elected Officials - Supervisor	11.39
	101-215-720.000	Elected Officials - Clerk	11.39
	101-253-720.000	Elected Officials - Treasurer	11.39
	101-265-720.000	Building Operations	358.15
	101-691-720.000	Parks & Rec	834.01
	592-172-720.000	Municipal Employees -W & S	142.86
	101-371-720.000	Municipal Employees - Building	284.24
MICHIGAN CHAPTER IAAI		Invoice Amount:	\$20.00
Membership 2020		Check Date:	11/26/2019
	101-336-729.000	Membership 2020 D, Phillips	20.00
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 11/1/19 #416526		Check Date:	11/26/2019
	592-172-758.000	11/1/19	84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 11/8/19 #416971		Check Date:	11/26/2019
	592-172-758.000	11/1/19	84.35
GIARMARCO, MULLINS & HORTON, PC.		Invoice Amount:	\$10,019.24
Labor Atty. Services (John C. Clark) - October 201		Check Date:	11/26/2019
	101-290-828.000	Labor Atty Services (John Clark) #15	10,019.24

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

OFFICE DEPOT			Invoice Amount:	\$351.86
October Office supplies			Check Date:	11/26/2019
	592-172-727.000	smead viewables labels		24.98
	592-172-727.000	Post it flags		4.58
	592-172-727.000	Post it pop up notes		9.37
	592-172-727.000	2020 calendars		136.20
	592-172-727.000	2020 Desk Calendars		15.98
	592-172-727.000	sticky note pads		6.27
	592-172-727.000	Dividers		114.84
	592-172-727.000	File Folders		21.81
	592-172-727.000	Stapler		14.99
	592-172-727.000	staples		2.84
OFFICE DEPOT			Invoice Amount:	\$62.13
Binders/A-Z Tabs/Eraser Sticks/Corr Tape/Banker			Check Date:	11/26/2019
	592-172-727.000	D-ring View Binder - blue		56.14
	592-172-727.000	Eraser Sticks (3 pk)		5.99
OFFICE DEPOT			Invoice Amount:	\$24.92
Binders/A-Z Tabs/Eraser Sticks/Corr Tape/Banker			Check Date:	11/26/2019
	592-172-727.000	A-Z Binder Dividers		20.93
	101-215-727.000	Eraser Stick		3.99
OFFICE DEPOT			Invoice Amount:	\$30.90
Binders/A-Z Tabs/Eraser Sticks/Corr Tape/Banker			Check Date:	11/26/2019
	101-215-727.000	Corr Tape (4 pk)		5.72
	101-215-727.000	Legal 1/3 Tab Folders		25.18
OFFICE DEPOT			Invoice Amount:	\$75.58
Binders/A-Z Tabs/Eraser Sticks/Corr Tape/Banker			Check Date:	11/26/2019
	101-215-727.000	Banker Boxes		75.58
OFFICE DEPOT			Invoice Amount:	\$59.23
office Supplies			Check Date:	11/26/2019
	101-336-727.000	Office Supplies		59.23
OFFICE DEPOT			Invoice Amount:	\$5.18
office Supplies			Check Date:	11/26/2019
	101-336-727.000	Office Supplies		5.18
ORCHARD, HILTZ, & MCCLIMENT, INC.			Invoice Amount:	\$15,928.25
General Drive Road SAD Design Phase			Check Date:	11/26/2019
	805-805-970.350	General Drive - Design Phase		15,928.25
PARAGON LABORATORIES			Invoice Amount:	\$164.00
DBP-1 Testing			Check Date:	11/26/2019
	592-172-818.100	DBP-1 Testing		164.00
CHARTER TWSP OF PLYMOUTH			Invoice Amount:	\$1,413.24
Senior Transportation - October 2019			Check Date:	11/26/2019
	101-955-885.000	October 2019 - Senior Trans. Exp.		1,413.24
PLYMOUTH-CANTON COMMUNITY SCHOOLS			Invoice Amount:	\$477.61
OCTOBER FUEL			Check Date:	11/26/2019
	101-371-863.000	INVOICE 003058		477.61

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION**

AIRGAS USA, LLC			Invoice Amount:	\$353.04
Oxygen			Check Date:	11/26/2019
	101-336-836.000	Oxygen tanks		353.04
AIRGAS USA, LLC			Invoice Amount:	\$195.07
WELDING SUPPLIES #9094607691 10/29/19			Check Date:	11/26/2019
	592-291-851.000	oxygen		31.13
	592-291-851.000	acetylene		70.20
	592-291-851.000	lnm 25%		51.75
	592-291-851.000	dc srfc prep rpd strip		13.55
	592-291-851.000	dc flp 4		9.79
	592-291-851.000	hazmat charge		18.65
SERENE LANDSCAPE GROUP			Invoice Amount:	\$270.00
LAWN MOWING			Check Date:	11/26/2019
	101-691-931.000	INVOICE 47772 BRENTWOOD PARK		270.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$1,680.00
LAWN MOWING			Check Date:	11/26/2019
	101-691-931.000	INVOICE 47771 LAKE POINTESOCCER PARK		1,680.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$180.00
LAWN MOWING			Check Date:	11/26/2019
	101-691-931.000	INVOICE 47769 PLYMOUTH POINTE PARK		180.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$480.00
LAWN MOWING			Check Date:	11/26/2019
	101-691-931.000	INVOICE 47768 MILLER PARK		480.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$225.00
LAWN MOWING			Check Date:	11/26/2019
	101-265-858.000	INVOICE 47767 FRIENDSHIP STATION		225.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$360.00
LAWN MOWING			Check Date:	11/26/2019
	592-172-776.000	INVOICE 47770 DPW BLDG		360.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$420.00
LAWN MOWING			Check Date:	11/26/2019
	101-336-776.000	INVOICE 47766 FIRE 3		420.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$240.00
LAWN MOWING			Check Date:	11/26/2019
	101-336-776.000	INVOICE 47765 FIRE #2		240.00
SERENE LANDSCAPE GROUP			Invoice Amount:	\$1,720.00
LAWN MOWING			Check Date:	11/26/2019
	101-265-776.000	INVOICE 47582 TOWNSHIP HALL		1,720.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$34,367.75
Spalding DeDecker - Nov. 2019 Invoice (minus Bu			Check Date:	11/26/2019
	101-371-818.500	#81331 - Monthly Retainer		500.00
	101-446-818.000	#81348 -2019 Sidewalk Assessment		4,062.50
	592-172-820.000	#81355 - Ply. Twp. GIS		7,981.25
	101-691-978.000	#81349 - -Ply. Twp. Park Pathway		3,607.00
	101-851-971.000	81347- 2018 CDBG Program		4,547.50
	592-172-820.000	81340-Water Tower Cathodic Protection		690.00

Charter Township of Plymouth

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	101-336-776.000	81350 - FS #2	320.00
	592-172-820.000	81339 - Plymouth Twp.Eng. Stds	2,252.50
	101-446-970.000	81341 -PlymouthTwp.Sidewalk Gaps	3,615.00
	592-172-820.000	81354--2019 Mlss Dig Design Ticket	6,308.00
	101-290-818.000	81356 - Comcast #JB00000151540-Commer	484.00
SUPERIOR MEDICAL WASTE		Invoice Amount:	\$240.00
Medical Waste Disposal		Check Date:	11/26/2019
	101-336-836.000	Medical Waste Disposal fees	240.00
Tredroc Tire Service		Invoice Amount:	\$161.95
E1 flat repair		Check Date:	11/26/2019
	101-336-863.000	E1 flat repair	161.95
NAPA Auto Parts		Invoice Amount:	\$118.08
#708162		Check Date:	11/26/2019
	592-291-851.000	RV MARINE ANTIFREEZE	58.20
	592-291-851.000	PRESTONE WIND DE ICE	59.88
NAPA Auto Parts		Invoice Amount:	\$4.90
EMERGENCY PURCHASE PLOW TRUCK BLOWING		Check Date:	11/26/2019
	592-291-851.000	ATC-30 FUSE	4.90
NAPA Auto Parts		Invoice Amount:	\$33.48
#708550		Check Date:	11/26/2019
	592-291-851.000	star brite rv anti freeze	33.48
VIGILANTE SECURITY		Invoice Amount:	\$105.00
PRN Monitoring 11/15/19-02/14/20		Check Date:	11/26/2019
	592-172-818.000	15275 Northville Rd.	105.00
WCA ASSESSING		Invoice Amount:	\$133.69
WCA Assessing -October 2019 Special Billing - Co		Check Date:	11/26/2019
	101-209-818.000	Oct. 2019 Special Billing - Appraisal	133.69
WESTERN TWNSPS UTILITIES AUTHORITY		Invoice Amount:	\$1,405,616.68
2012 Series Bond Prin & Int		Check Date:	11/26/2019
	592-100-185.000	2012 Series Bond Interest	118,651.68
	592-100-185.000	2012 Series Bond Prinipal	1,286,965.00
WESTERN WAYNE CTY FD MUTUAL AID ASN		Invoice Amount:	\$659.10
HMRT Uniforms for Villet & Smith		Check Date:	11/26/2019
	101-336-758.000	HMRT Uniforms for Villet & Smith	659.10
Total Amount to be Disbursed:			\$1,737,778.56

Charter Township of Plymouth

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VENDOR INFORMATION

INVOICE INFORMATION

BLUE CARE NETWORK OF MICHIGAN

November 2019 Coverage Coverage - classes 7 &

101-171-714.000	Supervisor's Office	499.82
101-201-714.000	IT Dept.	1,298.98
101-253-714.000	Treasurer's Dept.	1,194.67
101-305-714.000	Police	16,086.87
101-325-714.000	Dispatch	6,557.24
101-336-714.000	Fire	20,677.89
101-371-714.000	Building	3,688.32
592-291-714.000	Public Works (Fellrath)	1,798.80
101-305-714.500	Police - Retirees	11,691.26
101-336-714.500	Fire - Retirees	17,448.03
101-215-714.000	Clerk's Office	999.64
101-265-714.000	Building & Grounds (Haack)	1,194.67
592-172-714.000	Public Services	2,194.31
226-226-714.000	Solid Waste (Visel)	1,298.98
592-291-714.000	Public Works Retiree (Wallace)	900.88
588-588-714.000	Senior Trans (Boyce)	1,289.52

Invoice Amount: **\$88,819.88**
Check Date: **11/20/2019**

BLUE CROSS/BLUE SHIELD OF MICHIGAN

Dec. 2019 RETIREE - BCBS (invoice and spreadsheets)

101-290-714.500	General Retirees	502.04
101-305-714.500	Police Retirees	502.04
101-336-714.500	Fire Retirees	3,514.28

Invoice Amount: **\$4,518.36**
Check Date: **11/20/2019**

COMCAST

NOV 2019 Internet service - Acct. # 900913674 --

101-691-921.000	Lakepointe Soccer fields	64.95
101-336-921.000	FS#3	64.95
101-325-853.400	Video arraignment	101.85

Invoice Amount: **\$231.75**
Check Date: **11/20/2019**

CONSUMERS ENERGY

Monthly Chgs - October 2019 Service @ 47755 Fi

592-444-745.000	Acct #1000-6777-1970-- 47755 5Mile Road	16.18
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Invoice Amount: **\$16.18**
Check Date: **11/20/2019**

CONSUMERS ENERGY

Monthly Charges - November 2019 (details below)

101-265-854.000	Township Hall - 1000 257103478	276.91
588-588-921.000	Friendship Station 1000 2571-3478	17.68
101-691-921.000	Twp. Park 1000 257103262	93.55
101-336-921.000	Fire Station #2 - 1000 2571-3403	380.58

Invoice Amount: **\$768.72**
Check Date: **11/20/2019**

DTE ENERGY

FS # 2 Service- October 2019 - 9200-013-7823-0

101-336-921.000	FS #2 Electric Service October 2019	41.49
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Invoice Amount: **\$41.49**
Check Date: **11/20/2019**

JOHN HANCOCK LIFE INSURANCE CO.

Monthly Premium-November 2019 - Jowsey

101-100-237.000	Monthly Premium-Jowsey, Richard- 10-19	64.40
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Invoice Amount: **\$64.40**
Check Date: **11/20/2019**

PLYMOUTH POSTMASTER

Postage for Winter 2019 Tax Bills - Permit # 218

101-253-730.000	Postage Winter 2019 Tax Bills Permit 218	5,600.00
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Invoice Amount: **\$5,600.00**
Check Date: **11/20/2019**

VANTAGEPOINT TRANSFER AGENTS 803492

ICMA-RC - Final Adjustment - Groth

101-215-714.000	Final Adjustment - Groth	750.00
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Invoice Amount: **\$750.00**
Check Date: **11/20/2019**

Charter Township of Plymouth
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VENDOR INFORMATION**INVOICE INFORMATION****Total Amount to be Disbursed:****\$100,810.78**

Charter Township of Plymouth

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VENDOR INFORMATION

INVOICE INFORMATION

SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$302.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0017		302.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$544.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0004		544.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$200.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0001		200.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$13,844.75
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0005		13,844.75
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,815.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0007		1,815.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$60.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0028		60.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,716.75
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0006		1,716.75
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$3,932.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0052		3,932.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,089.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0010		1,089.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$5,233.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0006		5,233.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,149.50
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0002		1,149.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$726.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0008		726.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$728.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE18-0024		728.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$235.00
BD Bond Refund			Check Date:	11/18/2019
	701-100-202.701	BE19-0011		235.00

Charter Township of Plymouth
AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION****SIMPLIFILE, LC**

BD Bond Refund

Invoice Amount:**\$48.00****Check Date:****11/18/2019***701-100-202.701**BE18-0017**48.00***Total Amount to be Disbursed:****\$31,625.50**

Charter Township of Plymouth
AP Invoice Listing - Board Report

P. Bond

Page 11/13 11/16/19

VENDOR INFORMATION

INVOICE INFORMATION

35TH DISTRICT COURT		Invoice Amount:	\$400.00
BOND RECEIPT 11-04-2019		Check Date:	11/16/2019
702-100-087.000	BOND RECEIPT NUMBER 8365		200.00
702-100-087.000	BOND RECEIPT NUMBER 8366		200.00
35TH DISTRICT COURT		Invoice Amount:	\$100.00
BOND RECEIPT 11-07-2019		Check Date:	11/16/2019
702-100-087.000	BOND RECEIPT NUMBER 8367		100.00
Total Amount to be Disbursed:			\$500.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

Weekly #43/19

VENDOR INFORMATION

INVOICE INFORMATION

ALERUS FINANCIAL

Defined Contribution - PAYDATE 11-8-2019 (see a

101-325-714.050

101-100-231.000

101-305-714.030

Define Contribution -Dispatch (Employer)

Employee Cont -all

Define Contribution-Police (ER)

Invoice Amount:

\$6,196.70

Check Date:

11/13/2019

1,986.45

1,586.67

2,623.58

A T & T

AT&T - Telephone Allocation October 2019 - R01-

101-201-853.000

101-209-853.000

101-371-853.000

101-336-853.000

101-305-853.000

101-171-853.000

101-253-853.000

101-215-853.000

101-371-853.500

101-325-853.000

101-265-854.000

101-691-853.000

592-172-853.000

Information Services

Assessing

Building

Fire

Police

Supervisor

Treasurer

Clerk

Community Development

Dispatch

Water/Sewer (Util)

Park

Gen Expense Tel

Invoice Amount:

\$1,742.33

Check Date:

11/13/2019

119.15

71.14

198.31

313.05

317.14

185.41

158.18

92.39

73.82

119.30

28.33

22.19

43.92

BASIC

Monthly Fee for COBRA Admin (per Person) -Bille

101-290-818.000

101-100-123.000

Nov. Dec 2019 (part. annual fee) COBRA

Jan-Dec. 2020 Annual Fee for COBRA

Invoice Amount:

\$840.00

Check Date:

11/13/2019

120.00

720.00

BLUE CARE NETWORK OF MICHIGAN

10/2019 - - BCN Classes 9 & 10 - Spreadsheet A

101-290-714.500

101-305-714.500

101-325-714.500

101-336-714.500

592-291-714.500

General Retirees Healthcare

Police Retirees Healthcare

Dispatch Retirees Healthcare

Fire Retirees Healthcare

Public Works Retirees Healthcare

Invoice Amount:

\$10,505.99

Check Date:

11/13/2019

4,379.10

583.88

583.88

3,791.37

1,167.76

BLUE CARE NETWORK OF MICHIGAN

11/2019 - - BCN Classes 9 & 10 - Spreadsheet A

101-290-714.500

101-305-714.500

101-325-714.500

101-336-714.500

592-291-714.500

General Retirees Healthcare

Police Retirees Healthcare

Dispatch Retirees Healthcare

Fire Retirees Healthcare

Public Works Retirees Healthcare

Invoice Amount:

\$10,733.92

Check Date:

11/13/2019

4,379.10

583.88

583.88

4,019.30

1,167.76

C.O.A.M. - PLYMOUTH TOWNSHIP

COAM Union Dues - November 2019

101-100-232.050

101-100-232.050

101-100-232.050

101-100-232.050

101-100-232.050

Fetner, William J.

Hoffman, Marc

Krebs, Ryan

Rupard, Bryan

Coffell, Steven

Invoice Amount:

\$363.20

Check Date:

11/13/2019

72.64

72.64

72.64

72.64

72.64

JOHN HANCOCK LIFE INSURANCE CO.

11-8-19- EMPLOYEE CONTRIB (spreadsheet att

101-100-231.000

Employee Contribution (EEMBT)(EEVND)

Invoice Amount:

\$4,978.30

Check Date:

11/13/2019

4,978.30

JOHN HANCOCK LIFE INSURANCE CO.

11-8-19- EMPLOYER PEN MATCH (spreadsheet at

Invoice Amount:

\$16,376.78

Check Date:

11/13/2019

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

588-588-714.010	Friendship Station (Boyce)	236.36
101-171-714.010	Supervisor's Office	999.30
101-201-714.010	IT Services (Janks)	577.44
101-215-714.010	Clerk's Office	1,573.82
101-253-714.010	Treasurer's Office	954.29
101-305-714.010	Police Dept.	646.99
101-325-714.010	Dispatch (Bonadeo)	294.19
101-336-714.020	Fire Dept	4,539.75
101-336-714.010	Fire (Admin) (Jowsey)	256.05
101-371-714.010	Building Dept.	1,259.15
101-265-714.010	Township Hall (Haack)	238.39
592-172-714.010	Public Services (Kline, Latawiec, Martin)	837.23
226-226-714.010	Solid Waste (Visel)	323.66
592-291-714.040	DPW	2,629.85
592-291-714.010	DPW (Fellrath & Hamann)	1,010.31

MICHIGAN CONFERENCE OF TEAMSTERS**Invoice Amount: \$12,744.00**

Health Insurance -December 2019 (DPW) (Individ

Check Date: 11/13/2019

592-291-714.000	Bartlett, James	1,593.00
592-291-714.000	Krueger, Randy	1,593.00
592-291-714.000	Melow, Steven	1,593.00
592-291-714.000	Overaltis, Joseph	1,593.00
592-291-714.000	Scholten, James	1,593.00
592-291-714.000	Thomas, James	1,593.00
592-291-714.000	Nelson, David	1,593.00
592-291-714.000	Pumphrey, Zachary	1,593.00

NATIONWIDE RET SOL USCM/MIDWEST**Invoice Amount: \$15,057.76**

Pay ending 11/03/2019 - spreadsheet and Invoic

Check Date: 11/13/2019

101-100-239.000	Contributions for pay ending 11/03/2019	15,057.76
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P.O.A.M. - PLYMOUTH TOWNSHIP**Invoice Amount: \$1,998.42**

POAM & Dispatch Union Dues -November 2019 (2

Check Date: 11/13/2019

101-100-232.010	POAM Union Dues	1,412.80
101-100-232.040	Dispatch Union Dues	585.62

PLYMOUTH POSTMASTER**Invoice Amount: \$1,200.00**

Water Bill Postage - Permit #218 November 2019

Check Date: 11/13/2019

592-172-730.000	Permit #218 November 2019 Postage	1,200.00
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TEAMSTER LOCAL # 214**Invoice Amount: \$503.00**

Teamster Local #214 November 2019 (details att

Check Date: 11/13/2019

101-100-232.030	Bartlett, James	56.00
101-100-232.030	Kitchen, Spencer	51.00
101-100-232.030	Krueger, Randy	59.00
101-100-232.030	Melow, Steven	59.00
101-100-232.030	Nelson, David	56.00
101-100-232.030	Overaltis, Joseph	56.00
101-100-232.030	Pumphrey, Z	56.00
101-100-232.030	Scholten, James	56.00
101-100-232.030	Thomas, James	54.00

TECHNICAL, PROFESSIONAL AND OFFICE-**Invoice Amount: \$496.00**

TPOAM Union Deductions - November 2019

Check Date: 11/13/2019

101-100-232.060	Bonadeo, Karen E.	31.00
101-100-232.060	Bono, Jennifer A.	15.50
101-100-232.060	Devoto, Claudia P.	15.50
101-100-232.060	Gordon, Cheryl	31.00

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

101-100-232.060	Haack, David	31.00
101-100-232.060	Jowsey, Nancy	31.00
101-100-232.060	Kline, Anne E.	31.00
101-100-232.060	Latawiec, Kelly	31.00
101-100-232.060	Leclair, Diane L.	31.00
101-100-232.060	MacDonald, Kenneth E.	31.00
101-100-232.060	Martin, Carol R.	31.00
101-100-232.060	Palmarчук, Cheryl	31.00
101-100-232.060	Truesdell, Mary Ann	15.50
101-100-232.060	Visel, Sarah J.	31.00
101-100-232.060	Richardson, Mike	15.50
101-100-232.060	Geletzke, Alice	15.50
101-100-232.060	Jefferson, Paula	31.00
101-100-232.060	Dan Atkins	15.50
101-100-232.060	Carol macDonnell	15.50
101-100-232.060	Glenn Miller	15.50

WOW! BUSINESS

November 2019 Acct. # 012296705

101-265-854.000	Senior Util
588-588-921.000	Senior Transport

Invoice Amount: **\$19.94**

Check Date: **11/13/2019**

18.69
1.25

Total Amount to be Disbursed: \$83,756.34

Charter Township of Plymouth

AP Invoice Listing - Board Report

Refunds Page: 11/13/19

VENDOR INFORMATION

INVOICE INFORMATION

HEMMING,POLACZYK,CRONIN,SMITH, BD Bond Refund	701-100-202.701	BPZ18-0006	Invoice Amount: Check Date:	\$13.13 11/10/2019 13.13
HEMMING,POLACZYK,CRONIN,SMITH, BD Bond Refund	701-100-202.701	BPZ19-0017	Invoice Amount: Check Date:	\$498.75 11/10/2019 498.75
WERTZ, JAMES BD Bond Refund	701-100-202.701	BP18-0033 - PB18-0729	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Cowdin remodeling Inc BD Bond Refund	701-100-202.701	BP18-0039 - PB16-0394	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Plymouth 848 LLC BD Bond Refund	701-100-202.701	BP19-0002 - PB19-0012	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
SUNGLO RESTORATION SERVICES IN BD Bond Refund	701-100-202.701	BP19-0003 - PB19-0035	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Plymouth 848 LLC BD Bond Refund	701-100-202.701	BP19-0010 - PB19-0171	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Plymouth 848 LLC BD Bond Refund	701-100-202.701	BP19-0018 - PB19-0431	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
AI's Asphalt Paving Co BD Bond Refund	701-100-202.701	BP19-0040 - PB19-0917	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Ryan Companies US, INC BD Bond Refund	701-100-202.701	BP19-0042 - PB19-0878	Invoice Amount: Check Date:	\$2,000.00 11/10/2019 2,000.00
Lee Contracting Inc (Bldg) BD Bond Refund	701-100-202.701	BP19-0043 - PB19-0867	Invoice Amount: Check Date:	\$1,500.00 11/10/2019 1,500.00
Total Amount to be Disbursed:				\$14,511.88

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM E
PUBLIC COMMENTS AND QUESTIONS

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.1
MITC BROWNFIELD PLAN PUBLIC
HEARING**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: MITC Brownfield Plan Public Hearing

PRESENTER: Supervisor Kurt Heise, Clerk Jerry Vorva

BACKGROUND:

Since 2009, Plymouth and Northville Townships have collaborated to redevelop the Five Mile Corridor between Napier and Beck Roads. In February of 2018, our communities created the Michigan International Technology Center Redevelopment Authority (MITC) which will capture a portion of the tax increment in the subject area to fund cleanup of contaminated areas, and build the infrastructure improvements.

Pursuant to MCL 24.242, notice of a public hearing was published in a newspaper of general circulation on November 21, 2019. The notice was published in accordance with the law which requires notice to be published at least ten days prior to the public hearing.

ACTION REQUESTED:

Hold public hearing.

PROPOSED MOTION: N/A

Public hearing opened at _____ Moved by: _____

Seconded by: _____

Public hearing closed at _____ Moved by: _____

Seconded by: _____

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.2
REVOCATION OF VERITA "SITE 3"
BROWNFIELD PLAN
RESOLUTION #2019-12-10-108**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Revocation of Brownfield Plan for 47500 Five Mile Road, **Resolution #2019-12-10-108**

PRESENTER: Supervisor Kurt Heise

BACKGROUND:

On September 11, 2018, the Board adopted a Brownfield Plan for the redevelopment of the westerly 7.96 acres of property located at 47500 Five Mile Road, intended for the Verita Company. Since your approval, Verita has relocated to the new "Ridge/5" project site across the street; therefore the Brownfield Plan for the original site is no longer needed. The MITC Authority is requesting that we revoke the old Brownfield Plan for 47500 Five Mile ('Site 3') as this site is being absorbed into the new MITC Corridor Authority Brownfield Plan.

ACTION REQUESTED:

Approve the enclosed resolution authorizing the board of trustees to revoke the Brownfield Redevelopment Plan and all other related documents and authorize the township supervisor and clerk to sign any other required documents to further effectuate this resolution.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-108** authorizing that the Plymouth Township Board of Trustees revoke the Brownfield Redevelopment Plan and all other related documents for "Site 3," 47500 Five Mile Road, formerly known as the Verita Property, pursuant to the attached resolution, and authorize the supervisor and clerk to sign any other required documents to further effectuate this resolution.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

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

**RESOLUTION TO ABOLISH 'SITE #3' BROWNFIELD PLAN
PURSUANT TO AND IN ACCORDANCE WITH THE PROVISIONS OF
ACT 381 OF THE PUBLIC ACTS OF THE STATE OF MICHIGAN OF 1996, AS AMENDED**

RESOLUTION #2019-12-10-108

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, Michigan on December 10, 2019, the following resolution was offered:

WHEREAS, on September 11, 2018, in accordance with Public Act 381 of 1996, the Brownfield Redevelopment Financing Act, as amended, the Board of Trustees adopted a Brownfield Plan for Site #3, for property located at 47500 Five Mile Road; and

WHEREAS, the project proposed for the subject parcel has not nor will commence by December 15, 2019, said date being the date of completion identified in the Site #3 Development-Reimbursement Agreement between Hillside Investments, LLC and the Plymouth Township Brownfield Redevelopment Authority; and

WHEREAS, on December 9, 2019, the Plymouth Township Brownfield Redevelopment Authority approved a motion to terminate the Site #3 Development-Reimbursement Agreement; and

WHEREAS Hillside Investments, LLC has been fully informed they may petition the Michigan Technology Center Redevelopment Authority for inclusion within their forthcoming Brownfield Plan.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Plan Abolished. The Plymouth Township Brownfield Redevelopment Authority Site #3 Brownfield Plan is hereby abolished.
2. Repeals. All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.3
MITC BROWNFIELD PLAN
ADOPTION
RESOLUTION #2019-12-10-109**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Resolution Approving Michigan International Technology Center (MITC) Redevelopment Authority Brownfield Plan, **Resolution #2019-12-10-109**

PRESENTERS: Supervisor Kurt Heise, Trustee Gary Heitman

BACKGROUND:

Since 2009, Plymouth and Northville Townships have collaborated to redevelop the Five Mile Corridor between Napier and Beck Roads. In February of 2018, our communities created the Michigan International Technology Center Redevelopment Authority (MITC) which will capture a portion of the tax increment in the subject area to fund cleanup of contaminated areas, and build the infrastructure improvements. To capture the tax increment funds needed for the development of the corridor, the MITC has developed its Brownfield Plan for your review and approval.

The proposed Brownfield Plan is intended to accomplish the following objectives for Plymouth Township's portion of the MITC:

1. Identify and include all MITC-area parcels as Act 381 eligible properties;
2. Identify estimated and known on-site future eligible activities; and
3. Identify potential future development investments for tax capture planning.

The Brownfield Plan as proposed is a 'present-time' base, upon which future developments on each parcel – and their eligible on-site and off-site eligible activities – will be organized and be presented as amendments, further defining and refining the activities and costs in a project-by project approach. As such, all value and cost numbers are estimated.

Upon favorable action on the included resolution, the Brownfield Plan will be submitted to the State of Michigan for their review and eventual approval under the Michigan Brownfield Redevelopment Act.

ACTION REQUESTED:

Approve the attached resolution approving the Michigan International Technology Center (MITC) Redevelopment Authority Brownfield Plan, and authorize the supervisor and clerk to sign any other documents required to effectuate this resolution.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-109** authorizing the board of trustees to approve the attached resolution approving the Michigan International Technology Center (MITC) Redevelopment Authority Brownfield Plan, and authorize the supervisor and clerk to sign any other documents required to effectuate this resolution.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi

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

**RESOLUTION APPROVING
MICHIGAN INTERNATIONAL TECHNOLOGY CENTER REDEVELOPMENT AUTHORITY
BROWNFIELD PLAN
PURSUANT TO AND IN ACCORDANCE WITH THE PROVISIONS OF
ACT 381 OF THE PUBLIC ACTS OF THE STATE OF MICHIGAN OF 1996, AS AMENDED**

RESOLUTION #2019-12-10-109

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on December 10, 2019, the following resolution was offered:

WHEREAS, the Michigan International Technology Center Redevelopment Authority (the "Authority"), pursuant to and in accordance with the provisions of the Brownfield Redevelopment Financing Act, being Act 381 of the Public Acts of the State of Michigan of 1996, as amended (the "Act"), has prepared and recommended for approval by the Plymouth Charter Township Board of Trustees, a Brownfield Plan (the "Plan") pursuant to and in accordance with Section 13 of the Act; and

WHEREAS, the Authority has, at least ten (10) days before the meeting of the Township Board of Trustees at which this resolution has been considered, provided notice to and fully informed all taxing jurisdictions (the "Taxing Jurisdictions") which are affected by the proposed Plan about the fiscal and economic implications of the proposed Plan, and the Township Board of Trustees has previously provided to the Taxing Jurisdictions a reasonable opportunity to express their views and recommendations regarding the proposed Plan and in accordance with Sections 13(1) and 14(1) of the Act; and

WHEREAS, the Township Board of Trustees, in accordance with the Act, met and conducted a public hearing on December 10, 2019, in order to review the Plan; and

WHEREAS, during the public hearing, all persons, including the Taxing Jurisdictions, were allowed an opportunity to be heard and present their views and recommendations regarding the Plan; and

WHEREAS, the Township Board of Trustees has made the following determinations and findings:

- A. The Plan constitutes a public purpose under the Act;
- B. The Plan meets all the requirements for a Brownfield Plan set forth in Section 13 of the Act;
- C. The proposed method of financing the costs of the eligible activities, as described in the Plan, is feasible and the Authority has the ability to arrange the financing;

- D. The costs of the eligible activities proposed in the Plan are reasonable and necessary to carry out the purposes of the Act;
- E. The amount of captured taxable value estimated to result from the adoption of the Plan is reasonable; and

WHEREAS, as a result of its review of the Plan and upon consideration of the views and recommendations of the Taxing Jurisdictions, the Township Board of Trustees desires to proceed with approval of the Plan.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. Plan Approved. Pursuant to the authority vested in the Township Board of Trustees by the Act, and pursuant to and in accordance with the provisions of Section 14 of the Act, the Plan is hereby approved in the form attached as Exhibit "A" to this Resolution.
2. Severability. Should any section, clause or phrase of this Resolution be declared by the Courts to be invalid, the same shall not affect the validity of this Resolution as a whole nor any part thereof other than the part so declared to be invalid.
3. Repeals. All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi



MICHIGAN INTERNATIONAL TECHNOLOGY CENTER

REDEVELOPMENT AUTHORITY

44405 Six Mile Road • Northville • Michigan • 48168



AUTHORITY BOARD

KURT HEISE
ROBERT NIX II
GARY HEITMAN
JOSEPH VIG
GLENN CERNY

DATE: November 8, 2019

TO: MITC Redevelopment Authority Board Members

FROM: James Tischler, FAICP, PCP
State Land Bank Authority

SUBJECT: Proposed Initial MITC Brownfield Plan

Included with this cover is a draft Brownfield Plan for your review and consideration for approval.

This item was prepared in response to discussion during and following the August 26, 2019 Board Meeting. As the Northville Township Brownfield Redevelopment Authority was preparing to engage in requirements for entering into a USEPA cleanup loan agreement with the State Land Bank Authority (SLBA), SLBA proposed the Brownfield Plan required for security to the pending loan might be expanded to encompass all parcels within the MITC area. The parties concurred and work commenced in mid-September, producing the included copy.

The proposed Brownfield Plan is intended to accomplish the following objectives:

1. Identify and include all MITC-area parcels as Act 381 eligible properties;
2. Identify and include the specific activities proposed by the Northville Township BRA to the former Gun Range parcel;
3. Identify estimated and known on-site future eligible activities; and
4. Identify potential future development investments for tax capture planning.

The Brownfield Plan as proposed is a present-time base, upon which future developments on each parcel – and their eligible on-site and off-site eligible activities – will be organized and be presented as amendments, further defining and refining the activities and costs in a project-by-project approach. As such, except for the activities proposed at the former Gun Range parcel, all other value and cost numbers are estimated.

Upon favorable action on the included resolution, the Brownfield Plan will be submitted to the Northville and Plymouth township clerks for required notice and placement on the respective Board of Trustees' next meeting agendas for public hearings and their consideration of action.

SLBA will provide additional presentation and invites discussion and questions at the meeting. If you have questions prior to then, please feel free to contact me.

AN INTERGOVERNMENTAL AGENCY OF:
MICHIGAN LAND BANK • NORTHVILLE TOWNSHIP • PLYMOUTH TOWNSHIP



MITC REDEVELOPMENT AUTHORITY

BROWNFIELD PLAN SUMMARY

TABLE 1

Table 1 provides a summary of the eligible activities that will be reimbursed with tax increment revenues (TIR). The activities are separated into environmental (department specific/EGLE), non-environmental (MSF), and brownfield plan preparation, as required by Act 381 guidance. The eligible MITC infrastructure activities are summarized in Table 1-1; the costs of these activities will be reimbursed with a portion of TIR captured from each developed parcel in the Redevelopment Area. The initial cleanup activities on the Gun Range Parcels, funded with an EPA RLF Grant loan from the Land Bank, are summarized in Table 1-2; the costs of these eligible activities will be reimbursed with TIR capture from future development of these parcels. Each new project will have a separate Table 1; the eligible activities for each development will be reimbursed with TIR captured from the parcel(s) in that specific development.

TABLE 2

A key factor in projecting the TIR available for infrastructure reimbursement is the estimated incremental taxable value from which the TIR is derived. The incremental taxable value is in turn derived from the current assessed value of privately held parcels plus the value of development on each of the other parcels, minus the cumulative base taxable value. Table 2 provides a summary of 1) the base taxable value of the MITC Redevelopment area (sum of tax year 2019 assessed taxable values) and 2) the estimated investment values and timing for each undeveloped MITC parcel and resulting estimated taxable values. The estimated taxable values are calculated as 25% of the investment value, which is somewhat reduced from the typical 33% factor to account for a six-year Industrial Facilities Tax abatement (50%) for each development. The investment value was calculated assuming a developed area equal to 33% of the buildable acreage in square feet and \$100 per square foot value for the developed area. Taxable values for developed properties are increased at 2% per year.

TABLE 3A

Table 3A provides a summary of the TIR captured from state and local millages in each taxing jurisdiction for each year of the Brownfield Plan, based on the estimated annual incremental taxable values from Table 2. Table 3A-1 shows the TIR for taxing jurisdictions in both townships because the MITC infrastructure costs will be reimbursed with TIR from projects in both townships. Table 3A-2 shows the impact of incremental tax capture for the Gun Range Parcels only for taxing jurisdictions in Northville Township, where the land is located. The total annual TIR for both state and local millages are then transferred to the respective Table 3B for distribution to the various entities receiving TIR each year.

TABLE 3B

Table 3B shows the distribution of TIR captured during each year of the Brownfield Plan. Table 3B-1 shows the actual and projected distribution of TIR generated from all developments in the MITC Redevelopment Area to all projects receiving TIR reimbursement of eligible costs. In the current table, those include the MITC infrastructure improvement and the Gun Range Parcels cleanup projects. As each new project is approved for TIR reimbursement of eligible activities, it will be added to Table 3B-1. The purpose of Table 3B-1 is to provide projections for the rate and duration of reimbursement of the MITC infrastructure improvement costs and the capture of TIR to reimburse actual administrative costs of the MITC Redevelopment authority. Payments from TIR each year will be in the following order:

1. 50% (3 mils) of the State Education Tax (SET), or equivalent portion (1.5 mils) of the IFT, will be paid to the State Revolving Fund (SRF).
2. Costs of actual administrative activities of the Authority up to \$100,000, or as allowed by law based on number of active projects.
3. 30% (or as otherwise determined on a project-by-project basis) of remaining TIR (the Available TIR) to reimburse MITC infrastructure costs
4. Remaining TIR after Step 3 to reimburse developer's eligible costs (per each Table 3A-X) until fully reimbursed.

Any TIR remaining after reimbursement of developer's costs in Step 4 may be used to further reimburse MITC infrastructure costs. The remainder TIR in Table 3B-1 of the Brownfield Plan is what is available to reimburse the eligible costs of future developments and is not necessarily available for reimbursement of infrastructure costs. The projected times required to fully reimburse eligible MITC infrastructure and developer costs for each redevelopment project are indicated in Table 3B-1.

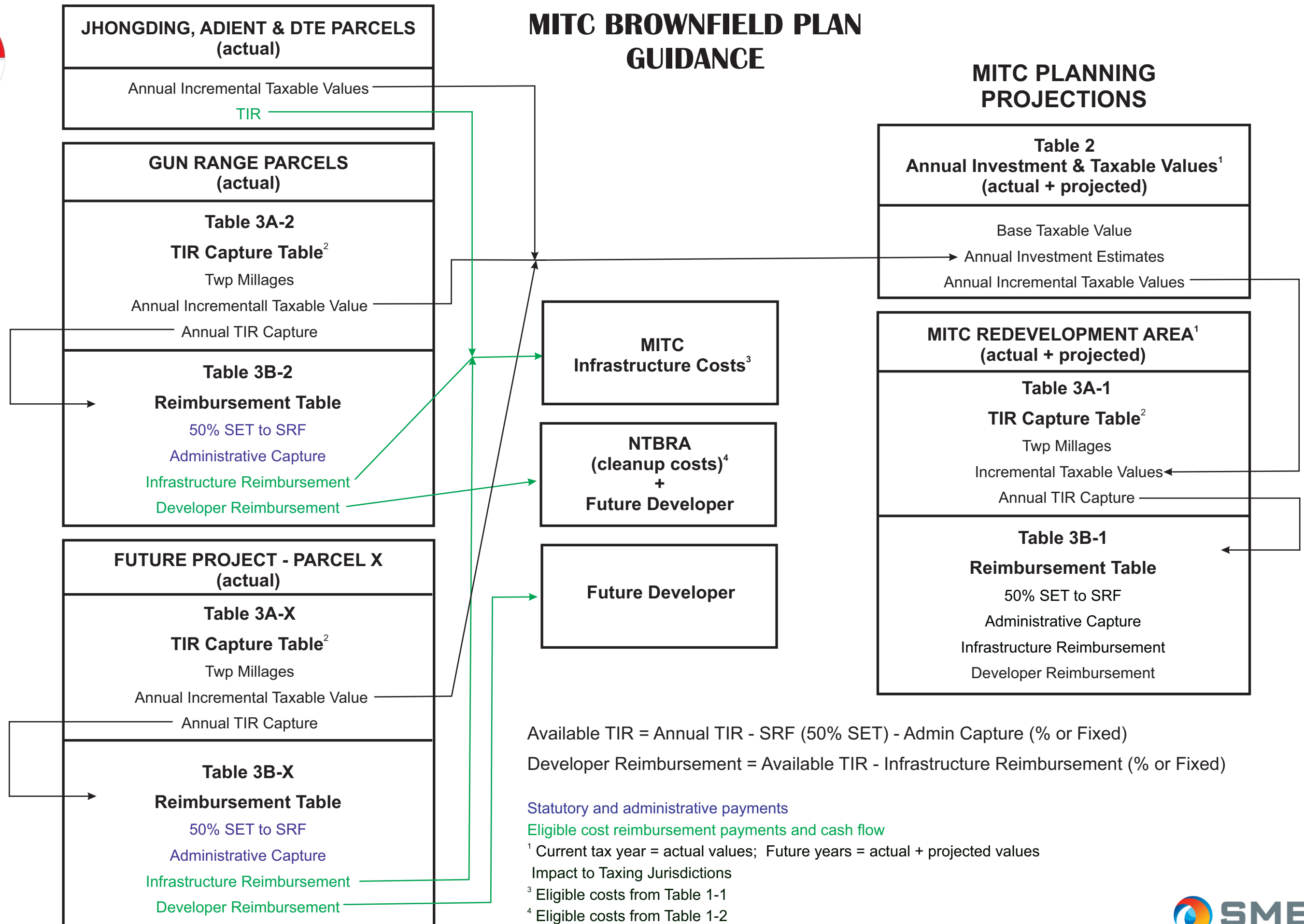
Table 3B-2 shows the distribution of TIR associated with the Gun Range Parcels. The annual TIR is distributed as above, except 20% of the TIR after SRF payments is captured for administrative costs and only 20% of the Available TIR is used to reimburse MITC infrastructure costs; this is to allow the NTBRA to repay the RLF loan for environmental cleanup more quickly. These are examples of project-specific decisions about distribution of the TIR from that project. The TIR reimbursement is shown for years past full reimbursement of the NTBRA cleanup costs to show what likely will be available for reimbursement of a future developer's eligible brownfield costs.

Each new development project that is supported in the Brownfield Plan will have a separate Table 3B, which will define the TIR distribution for that specific project.



MITC BROWNFIELD PLAN GUIDANCE

MITC PLANNING PROJECTIONS





BROWNFIELD PLAN FOR:

MITC Redevelopment Area, Northville Township, Michigan

Michigan International Technology Center Redevelopment Authority

c/o Robert Nix, Chair
Michigan International Technology Center Redevelopment Authority
044405 Six Mile Road
Northville, MI 48168

Prepared with the assistance of:
SME

November 7, 2019



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PROJECT SUMMARY

Project Name:	Michigan International Technology Center (MITC) Redevelopment Area
Estimated Investment:	\$536,800,000
Project Location:	The project area is approximately 800 acres in size along the north and south sides of Five Mile Road between Napier Road and Beck Road in Northville and Plymouth Townships, Wayne County, Michigan. The eligible property is comprised of 12 complete or partial tax parcels of land plus adjoining road rights-of-way.
Property Eligibility:	All of the parcels are eligible by meeting one or more of the following criteria: 1) a facility as defined in Part 201 of the Michigan Natural Resources and Environmental Protection Act (P.A. 451 of 1994, as amended), 2) owned or previously owned by a land bank, or adjacent or contiguous to one or more parcels meeting the previous criteria.
Eligible Activities and Costs:	Tax increment revenues will be captured under this plan for deposit in the State Revolving Fund, reimbursement of administrative expenses of the Michigan International Technology Center Redevelopment Authority (MITC), and reimbursement of eligible brownfield redevelopment activities and costs described in this plan.
Capture Period:	Total capture period – repayment of all eligible costs or 30 years, whichever is shorter.
Project Summary:	The MITC is a cooperative initiative by the Michigan Land Bank Authority, Charter Township of Northville (Northville Township) Brownfield Redevelopment Authority (BRA), and Plymouth Township BRA to support redevelopment of approximately 800 acres of land along Five Mile Road. The redevelopment projects supported by this Brownfield Plan have two components: 1) installation in road rights-of-way of public infrastructure (water sanitary and storm sewers, roadway improvements, etc.) needed to support redevelopment of property in the MITC brownfield redevelopment area and 2) redevelopment of the property into commercial and light industrial uses. Tax increment revenues will be captured to reimburse the costs of infrastructure improvements and the eligible brownfield activities costs incurred by developers of land within the MITC Redevelopment Area.

I. INTRODUCTION

A. PLAN PURPOSE

The Michigan International Technology Center Redevelopment Authority (MITC), duly established by interlocal agreement between the Charter Township of Northville Brownfield Redevelopment Authority (NTBRA) and Charter Township of Plymouth Brownfield redevelopment Authority (PTBRA), pursuant to the Urban Cooperation Act, Michigan Public Act 7 of 1967, as amended, and operating in accordance with the Brownfield Redevelopment Financing Act, Michigan Public Act 381 of 1996, MCLA 125.2651 et. seq., as amended (Act 381), is authorized to exercise its powers within the limits of the MITC Redevelopment Area. The purpose of this Brownfield Plan (the Plan), to be implemented by MITC, is to satisfy the requirements of Act 381 for including the eligible property described below, designated as the MITC Redevelopment Area (the Redevelopment Area) in a Brownfield Plan.

The MITC proposes to implement this Plan to promote economic development and brownfield redevelopment within the Redevelopment Area. This plan allows MITC to capture tax increment revenues (TIR) generated by redevelopment of property within the Redevelopment Area for reimbursement of the costs of infrastructure improvements; reimbursement of costs of eligible activities required to prepare the properties within the Development Area for safe redevelopment and reuse; payments to the State Revolving Fund (SRF); and payment of some or all of MITC's annual administrative operating expenses. If MITC decides in the future to establish a Local Brownfield Revolving Fund (LBRF), capture of TIR under this Plan may be used to fund the LBRF. The capture and use of TIR generated by redevelopment of property within the Redevelopment area are necessary to support needed environmental response actions, construct critical infrastructure, and ensure the economic viability of the redevelopment projects undertaken in the Redevelopment Area.

This Brownfield Plan encompasses all property within the MITC Redevelopment Area with the intent to capture available TIR to reimburse the costs of area-wide, redevelopment-supporting, infrastructure upgrades and the project-specific eligible activities required by private developers to prepare the brownfield parcels within the area for redevelopment. Three projects are included in this initial Plan, and future Redevelopment Area projects are anticipated to be added through amendments to the Plan. This Plan is designed for amendment to add those future redevelopment projects.

B. PROPERTY DESCRIPTION

The Redevelopment Area consists of all or portions of 12 tax parcels occupying approximately 800 acres of land and associated roadway rights-of-way (ROWs) along Five Mile Road, between Beck and Ridge Roads in Plymouth and Northville Townships (Figure 1; Appendix A). The Redevelopment Area was generally undeveloped at the time of this Plan preparation. The tax identification numbers of the parcels in the Redevelopment area are as follows:

TAX PARCEL ID NO.	MITC PARCEL NO.*	OWNERSHIP	TAX PARCEL ID NO.	MITC PARCEL NO.*	OWNERSHIP
77-066-99-0001-716	3 & 5	NTBRA	78-001-99-0001-703	10	City of Detroit
77-066-99-0001-719	3 & 5	NTBRA	78-001-99-0001-704 (130-acre portion)	11	Hillside Realty Investments, LLC
77-066-99-0001-722	2	Zhongding Sealing Parts USA	78-001-99-0001-704 (3-acre portion)	12	Hillside Realty Investments, LLC
77-066-99-0002-700	9	DTE Electric Company	78-006-99-0001-701	13	Hillside Realty Investments, LLC
77-066-99-0002-701	9	Northville Township	78-006-99-0001-002	14	Adient plc
77-066-99-0002-702	6, 7 & 8	Northville Township	78-006-99-0001-711	15	Michigan Land Bank
77-066-99-0001-723 (6.08-acre portion)	4	NTBRA	Adjoining road rights-of-way	All	Wayne County

*See Figure 1

Additional property information is provided in Section III (G).

C. BASIS OF ELIGIBILITY

The Property is eligible for inclusion in this Brownfield Plan in accordance with MCL 125.2652(p) because all of the parcels of land that comprise the Property either: 1) individually meet, or are contiguous to parcels that meet, the definition of a “facility” pursuant to Part 201 of Michigan’s Natural Resources and Environmental Protection Act (1994 P.A. 451, as amended), hereinafter “Part 201” or 2) are owned by the Land Bank. A summary of the basis for eligibility of each parcel is provided in the following table:

TAX PARCEL ID NO.	MITC PARCEL NO.*	BASIS FOR ELIGIBILITY	TAX PARCEL ID NO.	MITC PARCEL NO.*	BASIS FOR ELIGIBILITY
77-066-99-0001-716	3 & 5	Part 201 Facility	78-001-99-0001-703	10	Owned by the Land Bank
77-066-99-0001-719	3 & 5	Part 201 Facility	78-001-99-0001-704 (130-acre portion)	11	Part 201 Facility
77-066-99-0001-722	2	Contiguous to Part 201 Facility	78-001-99-0001-704 (3-acre portion)	12	Part 201 Facility
77-066-99-0002-700	9	Contiguous to Part 201 Facility	78-006-99-0001-701	13	Part 201 Facility
77-066-99-0002-701	9	Part 201 Facility	78-006-99-0001-002	14	Adjacent to Part 201 Facility
77-066-99-0002-702	6, 7 & 8	Part 201 Facility	78-006-99-0001-711	15	Owned by the Land Bank
77-066-99-0001-723 (6.08-acre portion)	4	Contiguous to Part 201 Facility	Adjoining road rights-of-way	All	Adjacent or Contiguous to Eligible Property

*See Figure 1

D. PROJECT DESCRIPTION

THE PROPERTY

The Property consists of 12 parcels of land (Figure 1), totaling approximately 800 acres, in the MITC Redevelopment Area along Five Mile Road, between Beck Road and Napier Road in Northville and Plymouth Townships. The Property is a large portion of the land previously owned by the Detroit House of Corrections and State of Michigan Department of Corrections. It was historically occupied by a prison and agricultural operations that supported the prison. The prison has been demolished to grade, and the land has been made available for light industrial and commercial redevelopment.

The Property generally is undeveloped and vacant, except for the Zhongding Sealing Parts USA parcel and some areas that have been farmed. The Property is generally composed of vegetated fields and woods, interspersed with wetlands areas, drains, and streams. The C&O railroad traverses the Property diagonally from the northwestern corner to the southeastern corner. Freeway access (M-14) is available approximately two miles southeast of the Property via Five Mile Road and Beck Road.

Portions of the former prison property are now owned by private developers, industrial firms, the NTBRA, and the City of Detroit. The remaining property formerly owned by the Michigan Department of Corrections was transferred to the Michigan Land Bank by an act of the Michigan Legislature. To date, one Redevelopment Area parcel (MITC Parcel 2) has been redeveloped, two parcels (MITC Parcels 13 and 14) have been sold for redevelopment, and at least three other parcels (MITC Parcels 11, 12, and 15) are being evaluated for redevelopment by private developers. Adjoining roadway ROWs along Five Mile Road, Ridge Road, and Napier Road will be the sites of infrastructure improvements critical to the successful redevelopment of the Property.

THE REDEVELOPMENT

MITC is a real estate development initiative strategically located in an area populated by many of the world's leading automotive research and development firms. Among Michigan's most desirable communities, Northville and Plymouth Townships in western Wayne County, Michigan, have proven track records as the region's leaders in attracting high-profile companies and prestigious high tech developments to their communities. MITC extends that opportunity into new land areas that are owned and/or supported by state agencies and local units of government and are ready for development. Development of the approximately 800-acre Redevelopment Area will have two components: 1) extensive upgrading of the infrastructure in the Five Mile Road corridor to support the amount of planned redevelopment and 2) construction of new, light industrial and commercial facilities and supporting amenities.

Critical upgrades of the storm and sanitary sewer, potable water, electrical, information technology, and roadway infrastructure in the Redevelopment Area are needed. MITC estimates that \$30 million in improvements to this infrastructure will be required to successfully execute the redevelopment plans. MITC will have to upgrade much of this infrastructure early in the redevelopment program to make the Property redevelopment-ready and marketable. MITC plans to obtain external capital to fund the infrastructure improvements and then reimburse the capital sources using TIR captured from redevelopment projects included in the Plan, as may be amended in the future.

The Property is ideally located in an area already home to the research, development, and light manufacturing facilities of leading automotive companies. Redevelopment is supported by easy access to major local, regional, and interstate highway systems; two, large commercial airports providing international passenger and freight services; and numerous, large intermodal freight handling facilities. Several of the Redevelopment Area parcels also can have direct access to rail services. The recently completed Zhongding USA technology Center on MITC Parcel 2 is an example of the type of anticipated redevelopment. Zhongding supplies rubber components to the automotive industry. The \$6.6 million, 30,000 square-foot facility will provide 125 new jobs supporting laboratory, testing, sales, marketing, and

engineering operations. MITC anticipates that similar projects will ultimately result in over \$150 million in new development in the Redevelopment Area.

BROWNFIELD CONDITIONS

Redevelopment in the MITC Redevelopment Area is hindered by the presence or suspected presence of environmental contamination, unregulated waste disposal areas, and residual structures from prior uses. Environmental contamination and other brownfield conditions (e.g., residual structures, foundations, and utilities) from prison and agricultural operations and disposal of wastes have been confirmed on multiple Redevelopment Area parcels. Environmental impacts are suspected on other parcels that have not yet been assessed.

Contamination at levels above residential use cleanup criteria has been confirmed on MITC parcels 3, 5, 11, 12, 13, and 15. Unregulated waste disposal activities have been confirmed on MITC Parcels 5 and 15. The following is a summary of known environmental conditions on those parcels:

- Parcels 3 and 5 - Waste materials were encountered in an unregulated disposal area present on both parcels. The wastes included, but were not limited to, large and small pieces of concrete, building debris, scrap metal, coal, slag, glass, brick, clay piping, ash, various textile materials, and other general refuse. The wastes appeared to be distributed throughout the flat ground just west of the shooting range and encompassed a large portion of the sloped areas directly west. The buried fill material and debris were encountered up to depths of approximately seven feet below the ground surface. Residual structures from previous site use activities also remain on the parcel.

Soil in the disposal area is contaminated with tetrachloroethylene, acenaphthene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a)anthracene, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, aluminum, antimony, arsenic, barium, cadmium, cobalt, copper, cyanide, lead, magnesium, manganese, nickel, selenium, silver, vanadium, and zinc at levels above residential cleanup criteria for protection of human health and groundwater. Lead and multiple polycyclic aromatic hydrocarbons (PAHs) are present in soil at levels above non-residential human direct contact cleanup criteria. Chlordane, tetrachloroethene and naphthalene are present at concentrations that may pose a risk to occupants of future buildings via vapor intrusion (VI).

Groundwater is contaminated with trichloroethene, aluminum, arsenic, copper, iron, lead, manganese, zinc, and chloride at levels above drinking water and/or surface water protection criteria. Trichloroethylene and *cis*-1,2-dichloroethene are present at levels that may pose a risk to occupants of future buildings via the VI pathway.

- Parcels 11/12 – Soil is contaminated with arsenic, cadmium, copper, mercury, selenium, and zinc at levels above residential cleanup criteria. Groundwater is contaminated with cadmium at concentrations greater than residential use criteria. Residual structures from previous site use activities remain on the parcel.
- Parcel 13 – Soil is contaminated with arsenic at levels above the residential direct contact cleanup criterion. Groundwater is contaminated with tetrachloroethene at levels that may pose a risk to occupants of future buildings via the VI pathway. Waste materials from an unregulated disposal area on Parcel 15 are suspected to be present on the southeastern portion of Parcel 13. Residual structures from previous agricultural activities remain on the parcel.
- Parcel 15 – Soil is contaminated with the following constituents at levels above groundwater protection criteria: benzene, n-propylbenzene, toluene, xylenes, trimethylbenzenes, trichloroethene, tetrachloroethene, naphthalene, phenanthrene, PCBs, arsenic, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc. Soil is contaminated with the following compounds at concentrations greater than residential and non-residential human direct contact cleanup criteria: PCBs, arsenic, and lead. Soil is contaminated with the following compounds at concentrations at levels that may pose a risk to occupants of future buildings via

the VI pathway: benzene, ethylbenzene, xylenes, trimethylbenzenes, trichloroethene, tetrachloroethene, *cis*-dichloroethene, 1,4-dichlorobenzene, methane, and mercury.

Groundwater is contaminated with arsenic and barium at levels above drinking water and surface water protection criteria.

Levels of benzene and vinyl chloride are above vapor intrusion screening levels in soil gas. Multiple, unregulated, waste disposal areas are also present on this parcel.

Brownfield conditions on other parcels of property in the Redevelopment Area will be documented in amendments to this Plan when the parcels are approved for inclusion in the MITC Act 381 brownfield tax increment financing program.

II. GENERAL DEFINITIONS AS USED IN THIS PLAN

All words or phrases not defined herein shall have the same meaning as such words and phrases included in Act 381.

III. BROWNFIELD PLAN

A. DESCRIPTION OF COSTS TO BE PAID WITH TAX INCREMENT REVENUES AND SUMMARY OF ELIGIBLE ACTIVITIES

The costs of eligible activities included in, and authorized by, this Plan will be reimbursed with incremental local tax revenues and incremental state school operating tax revenues generated from the Property after redevelopment and captured by MITC, subject to any limitations and conditions described in this Plan, approvals of the Michigan Department of Environment, Great Lakes and Energy (EGLE) and the Michigan Strategic Fund (MSF) for school operating tax capture, and the terms of Reimbursement Agreements between MITC and parties eligible to receive tax increment reimbursement (the "Reimbursement Agreements"). If available, this Plan will capture all new personal property taxes generated by redevelopment of land in the Redevelopment Area.

The estimated total cost of eligible Department Specific, Non-Environmental, and Brownfield Plan Preparation Activities eligible for reimbursement from tax increment revenues under this initial Plan are \$1,470,000, \$28,415,534, and \$15,000, respectively. The eligible activities for each MITC redevelopment project included in this Plan are summarized in a project-specific Table of Eligible Activities (Table 1-1 and Table 1-2) attached to this Plan. Eligible Activities Tables for the two projects included in the current Plan are attached in Appendix C. Similar tables for future projects will be included in amendments to this Plan when associated eligible activities are approved for tax increment financing by MITC. The costs of individual Department Specific and Non-Environmental activities eligible for reimbursement are estimated and may increase or decrease, depending on the nature and extent of unknown conditions and situations encountered during redevelopment.

No costs of eligible activities will be qualified for reimbursement except to the extent permitted in accordance with the terms and conditions of the Reimbursement Agreement for each project and Section 2 of Act 381 (MCL 125.2652). The Reimbursement Agreements and this Plan will dictate the total cost of eligible activities for each redevelopment project subject to reimbursement. As long as the total cost limits described in this Plan and for each redevelopment project are not exceeded, line-item eligible activities, tasks, and costs within the eligible Department Specific Activities and Non-environmental Activities categories may be adjusted without Plan amendment after the date of this Plan, to the extent the adjustments do not violate the terms of Act 381. For each project included in this Plan, eligible activities conducted prior to Brownfield Plan approval will be reimbursed to the extent allowed by Act 381 and provided in the approved Brownfield Plan or Amendment and the respective Reimbursement Agreement. Thirty percent (30%) of the available incremental state education tax will be captured for deposit into the State Revolving Fund pursuant to Act 381.

MITC will capture incremental local taxes to fund its administrative operations as defined in Act 381 and may contribute captured tax increment revenues to its Local Brownfield Revolving Fund (LBRF). As part of this Plan, the MITC will capture annual tax increment revenues up to the maximum allowed by Act 381 to fund its administrative costs of operations. MITC may also capture, during and after the developer reimbursement period, tax increment revenues in excess of the amount needed to reimburse developers for the costs of eligible activities and deposit those tax increment revenues in the MITC LBRF. The amount of tax increment revenues captured for administrative costs and LBRF funding from each project included in this Plan will be defined in the project-specific and cumulative tax increment capture tables attached to this Plan and in the Reimbursement Agreement for each project.

B. ESTIMATE OF CAPTURED TAXABLE VALUE AND TAX INCREMENT REVENUES

The 2019 cumulative taxable value of the MITC Redevelopment Area parcels that constitute the Property is \$1,691,240, which is the initial taxable value for this Plan. The initial taxable value for each redevelopment project will be determined at the time the project is included in this Plan, through initial approval or future amendment. The initial taxable values for each redevelopment project in the Plan are determined from the official tax rolls for the appropriate tax year. The anticipated taxable value at project completion and the year in which it is expected to be attained, and the estimated taxable values for each capture year, will be specified for each project included in this Plan; however, the actual taxable value at project completion and in each year of this Plan will be determined by the appropriate tax assessor.

Projected investments and taxable values for the redeveloped individual Parcels comprising the Property are presented in Table 2 (Appendix D). Property, tax increment revenues to be captured, impacts on taxing jurisdictions, and eligible activities reimbursement cash flows for each redevelopment project are presented in Tax Increment Capture Estimate Tables (Table 3A) and Tax Increment Revenue Reimbursement Allocation Tables (Table 3B) attached in Appendices E and F of this plan. These tables will be prepared/updated as each project is approved for inclusion in this Plan. The estimated annual increase in taxable value of the property in each redevelopment will be determined based on real estate market conditions at the time the Plan or Plan Amendment is approved. The annual incremental taxable value and captured tax increment revenue will be determined by the actual assessed taxable value of the Property and millages approved by the relevant taxing jurisdictions.

MITC will capture 100% of the available incremental local and school operating tax revenues generated from the Property to reimburse the costs of eligible activities under this Plan in accordance with the Reimbursement Agreements. Additionally, tax revenue associated with all new personal property will be captured as part of this plan. Reimbursement using incremental school operating tax revenues is limited to those eligible activities and costs approved by the MDEQ and/or MSF or that are otherwise eligible under Act 381.

It is the intent of this Plan to provide for the proportional capture of all eligible incremental taxes in whatever amounts and in whatever years they become available until the eligible cost reimbursement and LBRF funding described in this Plan and Plan Amendments are complete or for the maximum duration provided in Act 381 (MCLA 125.2663(22)), whichever is shorter. Except for those activities identified in this Plan as eligible for reimbursement only with incremental local taxes, unless otherwise approved in a Plan Amendment, if the MDEQ or MSF elects not to participate in this Project or declines to approve certain eligible activities for reimbursement with incremental state school taxes, the other taxing entities will contribute only that proportionate share of tax increment capture (the local taxes) and reimbursement that would be contributed if the MDEQ or MSF had approved capture of state school taxes, as determined by the local/state proportionality stated in this Plan and Plan Amendments at time of adoption.

C. METHOD OF FINANCING PLAN COSTS AND DESCRIPTION OF ADVANCES BY THE MUNICIPALITY

The private developers of each parcel/project in the Redevelopment Area will be responsible, directly or indirectly, for financing the costs of eligible activities included in this Plan for their respective projects.

Neither the MITC nor the local governing bodies will advance any funds to finance the eligible activities. All Plan financing commitments and the cost reimbursements authorized under this Plan for the private developments shall be governed by the respective Reimbursement Agreements.

Public infrastructure improvements undertaken in the Five Mile Road corridor to support the MITC redevelopment program will be funded by third parties. Tax increment revenues are anticipated to be the source of repayment of the costs of public infrastructure improvements. Notwithstanding the foregoing, if the water and sewer improvements cannot be funded by third parties, the local Township Boards may elect to 1) fund or incur financial obligations to fund the water improvements and 2) request WTUA to fund the sewer improvements. Tax increment revenues shall be used to reimburse the Townships and/or WTUA for such funding or financing of the public infrastructure improvements as provided in the respective Reimbursement Agreements. The MITC and Townships may also act as pass-through entities for any grants-in-aid provided to fund project activities.

The inclusion of eligible activities and estimates of costs to be reimbursed pursuant to this Plan is intended to authorize the MITC to fund such reimbursements. The amount and source of any tax increment revenues that will be used for purposes authorized by this Plan, and the terms and conditions for such use and upon any reimbursement of the expenses permitted by the Plan, will be provided solely under the respective Reimbursement Agreements. Reimbursements under each Reimbursement Agreement shall not exceed the respective cumulative eligible costs or any reimbursement period limits described in this Plan or Plan amendment, unless further amended.

D. MAXIMUM AMOUNT OF NOTE OR BONDED INDEBTEDNESS

Not applicable.

E. DURATION OF BROWNFIELD PLAN

The duration of this Brownfield Plan shall not exceed the shorter of the following time periods without amendment of this Plan: 1) reimbursement of all eligible costs, cumulatively not to exceed developer reimbursements plus any funding of the LBRF, 2) 30 years after first capture of tax increment revenues, or 3) 35 years after approval of this Plan. The proposed date for beginning tax capture is tax year 2020, unless said date is amended by action of the MITC.

F. ESTIMATED IMPACT OF TAX INCREMENT FINANCING ON REVENUES OF TAXING JURISDICTIONS

MITC will capture available incremental local and school operating tax revenues generated by the projects on property in the Redevelopment Area until all incurred eligible brownfield redevelopment costs and MITC administrative expenses are reimbursed, and the LBRF is funded, to the extent described in this Plan and subsequent Plan Amendments. The tax revenues available for capture by MITC will be split proportionally between local and state sources based on the approved millage rates for each tax year in which tax increment revenues are captured; 100% of available local and state TIR will be captured. The impact of the MITC incremental tax capture on local taxing jurisdictions is presented in the Tax Increment Capture Estimate Tables attached in Appendices E and F.

G. LEGAL DESCRIPTION, PROPERTY MAP, PROPERTY CHARACTERISTICS AND PERSONAL PROPERTY

The Property consists of approximately 800 acres of land in Plymouth and Northville Townships. The Property boundaries are depicted in Figure 1; these boundaries include all property from which tax increment revenue will be captured to reimburse eligible Redevelopment Area infrastructure costs. Property surveys and legal descriptions for the individual parcels/properties included as eligible projects in this Plan are attached in Appendix B.

H. ESTIMATES OF RESIDENTS AND DISPLACEMENT OF FAMILIES

No occupied residences are involved in the redevelopment, no persons reside on the Property, and no families or individuals will be displaced as a result of this development. Therefore, a demographic survey and information regarding housing in the community are not applicable and are not needed for this Plan.

I. PLAN FOR RELOCATION OF DISPLACED PERSONS

No persons will be displaced as a result of this development; therefore, a plan for relocation of displaced persons is not applicable and is not needed for this Plan.

J. PROVISIONS FOR RELOCATION COSTS

No persons will be displaced as result of this development and no relocation costs will be incurred; therefore, provision for relocation costs is not applicable and is not needed for this Plan.

K. STRATEGY FOR COMPLIANCE WITH MICHIGAN'S RELOCATION ASSISTANCE LAW

No persons will be displaced as result of this development; therefore, no relocation assistance strategy is needed for this Plan.

L. DESCRIPTION OF THE PROPOSED USE OF LOCAL BROWNFIELD REVOLVING FUND (LBRF)

At the time of this Plan, MITC has not established an LBRF and does not currently plan to establish and fund an LBRF or use LBRF funds to support redevelopment activities described in this Plan. However, MITC reserves the right to establish and fund an LBRF with tax increment revenues generated from projects included in this Plan in accordance with Act.381 in the future and use LBRF funds to support future redevelopment of brownfield sites within the Redevelopment Area.

M. OTHER MATERIAL THAT MITC OR GOVERNING BODIES CONSIDER PERTINENT

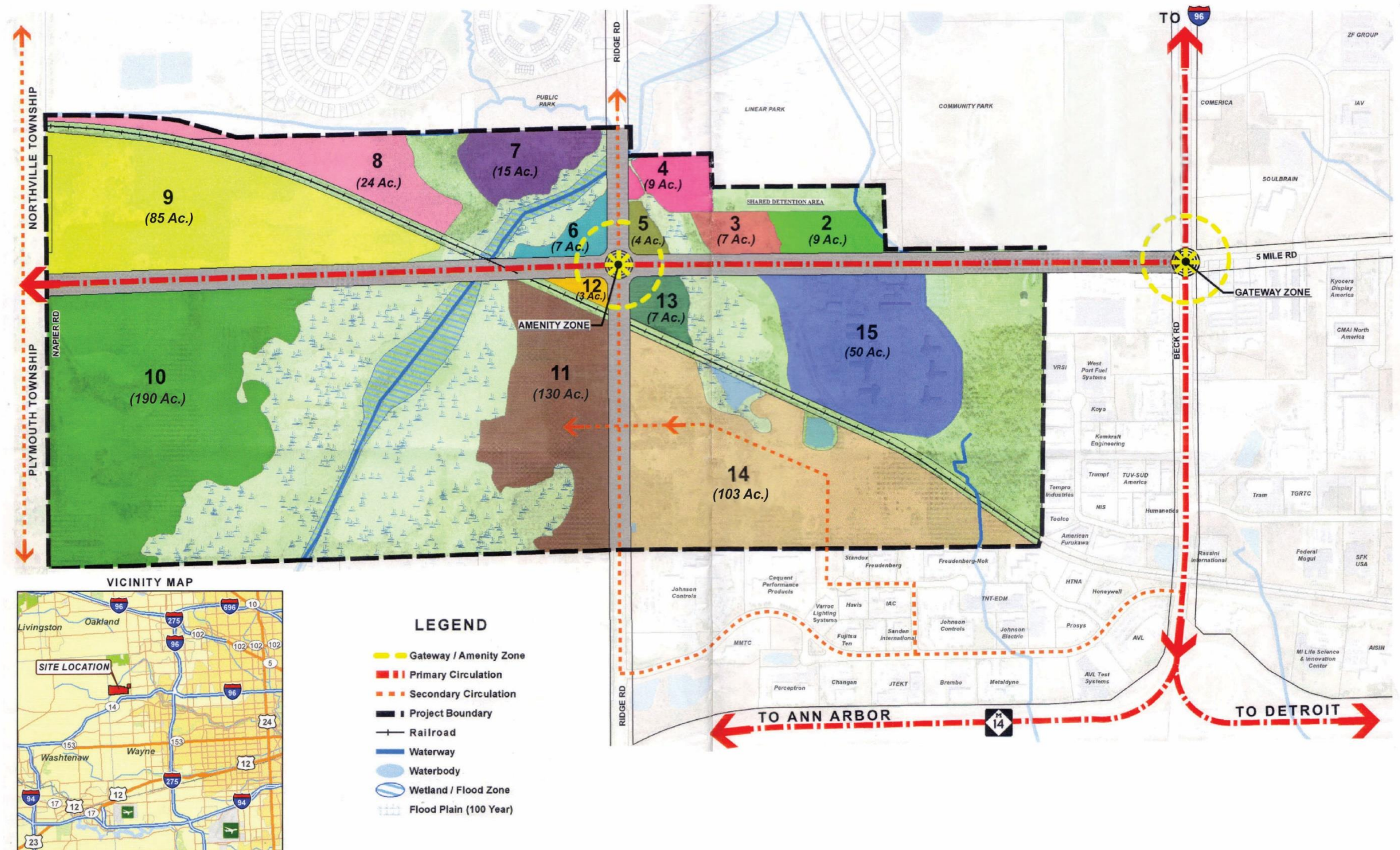
This Plan has been approved by resolutions of the Board of Trustees of the Charter Township of Northville and Charter Township of Plymouth and includes any limitations and/or conditions in those approvals.

APPENDIX A

MITC REDEVELOPMENT AREA AND PARCEL MAP (FIGURE 1)

Michigan International Technology Center

44405 Six Mile Road, Northville, MI 48168
9955 N. Haggerty, Plymouth MI, 48170



APPENDIX B

LEGAL DESCRIPTION AND SURVEY – GUN RANGE PARCELS

CERTIFICATE OF SURVEY

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED AND/OR DESCRIBED ON 9/4/19, THAT THE ERROR OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS IS NO GREATER THAN 1/5000, AND THIS SURVEY IS IN FULL COMPLIANCE WITH SECTION NO. 3, ACT 132, P.A. 1970.



MAY 23, 2018

PAUL W. KINNUNEN
PROFESSIONAL SURVEYOR NO. 48781
EMAIL: PAUL@GREENTECHENGINEERING.NET

DATE OF MAP

BEARING BASIS:

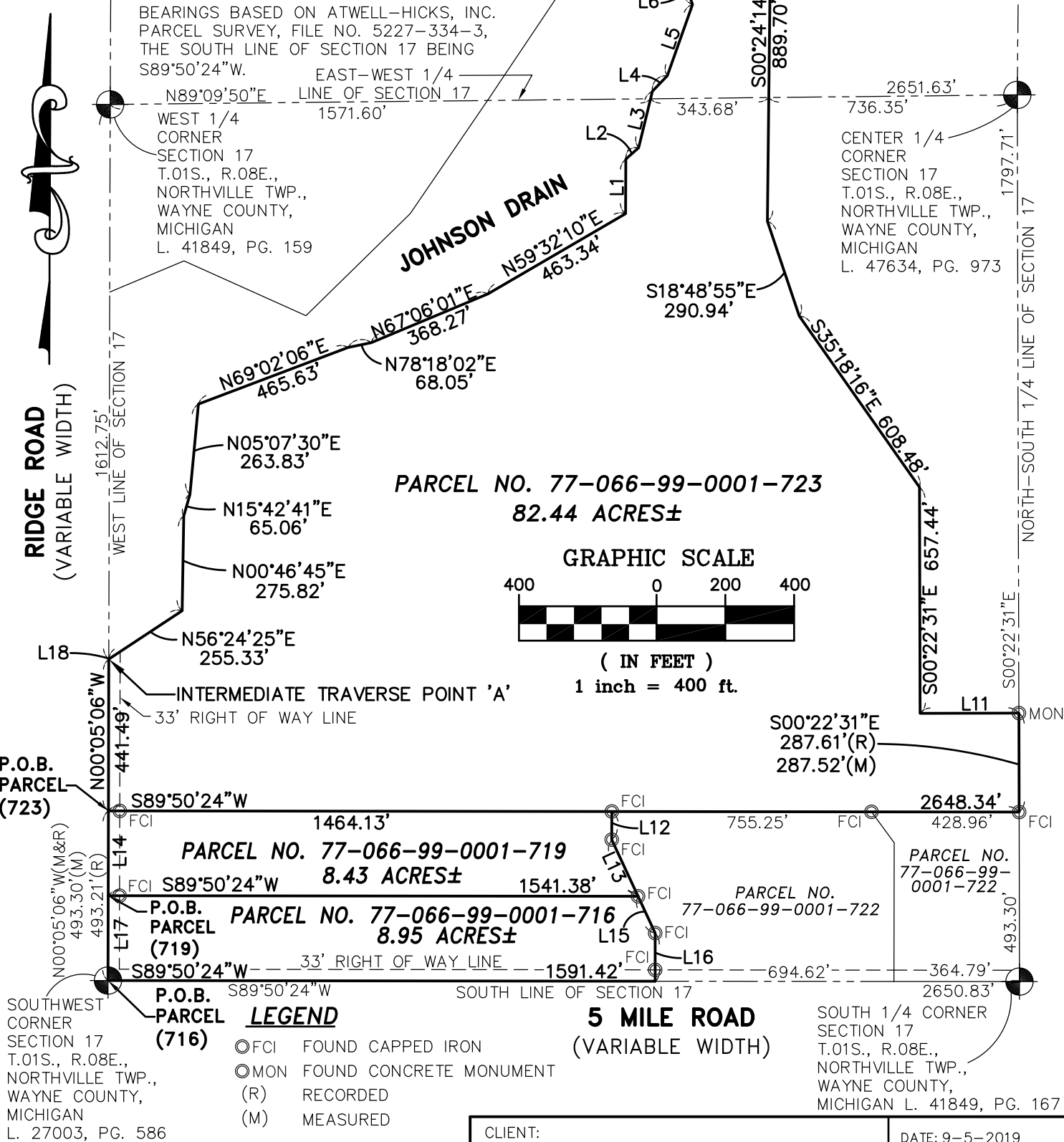
BEARINGS BASED ON ATWELL-HICKS, INC.
PARCEL SURVEY, FILE NO. 5227-334-3,
THE SOUTH LINE OF SECTION 17 BEING
S89°50'24"W.

EAST-WEST 1/4
LINE OF SECTION 17
N89°09'50"E 1571.60'

WEST 1/4
CORNER
SECTION 17
T.01S., R.08E.,
NORTHVILLE TWP.,
WAYNE COUNTY,
MICHIGAN
L. 41849, PG. 159

NOTES:

1. SEE SHEET 4 FOR LEGAL DESCRIPTIONS & LINE TABLE.
2. INTERMEDIATE TRAVERSE POINTS 'A' & 'B' FROM ATWELL HICKS SURVEY, FILE NO. 5227-334-3.
3. ZONING INFORMATION ON SHEETS 2 & 4.
4. TITLE WORK WAS NOT PROVIDED. EASEMENTS MAY EXIST AND HAVE NOT BEEN SHOWN.



CIVIL ENGINEERS & LAND SURVEYORS

51147 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CLIENT:

NORTHVILLE TOWNSHIP

PARCEL SPLIT/COMBINATION

PARCEL NOS.
77-066-99-0001-723/716/719
SECTION: 17 TOWNSHIP: 01S. RANGE: 08E.
NORTHVILLE TOWNSHIP
OAKLAND COUNTY
MICHIGAN

DATE: 9-5-2019

DRAWN BY: PWK

CHECKED BY: DJL

0 200 400

FBK: --
CHF: MM

1/4

SCALE HOR 1"=400 FT.
VER 1"= -- FT.

18-101

CERTIFICATE OF SURVEY

ORIGINAL PARCEL LEGAL DESCRIPTIONS

PARCEL NO. 77-066-99-0001-723:

COMMENCING AT THE SOUTHWEST CORNER OF SECTION 17, TOWN 1 SOUTH, RANGE 8 EAST, NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN; THENCE NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 493.21 FEET ALONG THE WEST LINE OF SAID SECTION 17 AND THE CENTERLINE OF RIDGE ROAD (VARIABLE WIDTH) FOR A **PLACE OF BEGINNING**; THENCE CONTINUING NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 441.49 FEET TO INTERMEDIATE TRAVERSE POINT "A"; THENCE CONTINUING NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 7.3 FEET, MORE OR LESS, ALONG THE WEST LINE OF SAID SECTION 17 AND THE CENTERLINE OF SAID RIDGE ROAD TO THE CENTERLINE OF JOHNSON DRAIN; THENCE NORTHEASTERLY 3419 FEET, MORE OR LESS, ALONG THE CENTERLINE OF SAID JOHNSON DRAIN; THENCE SOUTH 38 DEGREES 41 MINUTES 44 SECONDS EAST 5.3 FEET MORE OR LESS, TO INTERMEDIATE TRAVERSE POINT "B", SAID INTERMEDIATE TRAVERSE POINT "B" BEING THE FOLLOWING 17 COURSES FROM SAID INTERMEDIATE TRAVERSE POINT "A": (1) NORTH 56 DEGREES 24 MINUTES 25 SECONDS EAST 255.33 FEET, (2) NORTH 00 DEGREE 46 MINUTES 45 SECONDS EAST 275.82 FEET, (3) NORTH 15 DEGREES 42 MINUTES 41 SECONDS EAST 65.06 FEET, (4) NORTH 05 DEGREES 07 MINUTES 30 SECONDS EAST 263.83 FEET, (5) NORTH 69 DEGREES 02 MINUTES 06 SECONDS EAST 465.63 FEET, (6) NORTH 78 DEGREES 18 MINUTES 02 SECONDS EAST 68.05 FEET, (7) NORTH 67 DEGREES 06 MINUTES 01 SECONDS EAST 368.27 FEET, (8) NORTH 59 DEGREES 32 MINUTES 10 SECONDS EAST 463.34 FEET, (9) NORTH 00 DEGREE 02 MINUTES 03 SECONDS EAST 158.72 FEET, (10) NORTH 48 DEGREES 11 MINUTES 07 SECONDS EAST 49.90 FEET, (11) NORTH 13 DEGREES 25 SECONDS 43 EAST 169.17 FEET, (12) NORTH 43 DEGREES 43 MINUTES 57 SECONDS EAST 62.30 FEET, (13) NORTH 19 DEGREES 15 MINUTES 00 SECONDS EAST 220.00 FEET, (14) NORTH 19 DEGREES 51 MINUTES 31 SECONDS WEST 74.91 FEET, (15) NORTH 07 DEGREES 24 MINUTES 06 SECONDS EAST 106.80 FEET, (16) NORTH 17 DEGREES 47 MINUTES 14 SECONDS EAST 108.94 FEET, AND (17) NORTH 01 DEGREE 58 MINUTES 36 SECONDS WEST 246.98 FEET; THENCE SOUTH 38 DEGREES 41 MINUTES 44 SECONDS EAST 341.54 FEET; THENCE SOUTH 00 DEGREE 24 MINUTES 14 SECONDS WEST 889.70 FEET; THENCE SOUTH 18 DEGREES 48 MINUTES 55 SECONDS EAST 290.94 FEET; THENCE SOUTH 35 DEGREES 18 MINUTES 16 SECONDS EAST 608.48 FEET; THENCE SOUTH 00 DEGREES 22 MINUTES 31 SECONDS EAST 657.44 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 29 SECONDS EAST 287.13 FEET; THENCE SOUTH 00 DEGREE 22 MINUTES 31 SECONDS EAST 287.61 FEET ALONG THE NORTH-SOUTH 1/4 LINE OF SAID SECTION 17; THENCE SOUTH 89 DEGREES 50 MINUTES 24 SECONDS WEST 2648.34 FEET TO THE **PLACE OF BEGINNING**, BEING A PART OF THE WEST 1/2 OF SAID SECTION 17.

PARCEL NO. 77-066-99-0001-719:

PART OF THE SOUTHWEST 1/4 OF SECTION 17, T. 1S., R. 8E., NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN DESCRIBED AS:
BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 17, SAID LINE ALSO BEING THE CENTERLINE OF RIDGE ROAD, 33 FEET 1/2 WIDTH, BEING DISTANT N00°05'06"W 246.65 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION; THENCE CONTINUING N00°05'06"W 246.65 FEET; THENCE N89°50'24"E 1464.13 FEET; THENCE S00°09'39"E 81.72 FEET; THENCE S25°09'52"E 181.98 FEET; THENCE S89°50'24"W 1541.38 FEET TO A POINT ON SAID WEST LINE OF SAID SECTION 17 AND TO THE **POINT OF BEGINNING**. SUBJECT TO ANY RIGHTS OF WAY FOR RIDGE ROAD, ANY OTHER RIGHTS OF WAY, EASEMENTS, OR RESTRICTIONS OF RECORD, AND CONTAINS 8.43 ACRES (GROSS), MORE OR LESS.

PARCEL NO. 77-066-99-0001-716:

PART OF THE SOUTHWEST 1/4 OF SECTION 17, T. 1S., R. 8E., NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN DESCRIBED AS:
BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION; THENCE N00°05'06"W 246.65 FEET ALONG THE WEST LINE OF SAID SECTION, SAID WEST LINE ALSO BEING THE CENTERLINE OF RIDGE ROAD, 33 FEET 1/2 WIDTH; THENCE N89°50'24"E 1541.38 FEET; THENCE S25°09'52"E 117.66 FEET; THENCE S00°09'39"E 140.02 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION AND ALSO THE CENTERLINE OF 5 MILE ROAD, 33 FEET 1/2 WIDTH; THENCE ALONG SAID SOUTH LINE S89°50'24"W 1591.42 FEET TO THE SAID SOUTHWEST CORNER AND TO THE **POINT OF BEGINNING**. SUBJECT TO ANY RIGHTS OF WAY FOR RIDGE AND 5 MILE ROADS, ANY OTHER RIGHTS OF WAY, EASEMENTS, OR RESTRICTIONS OF RECORD, AND CONTAINS 8.95 ACRES (GROSS), MORE OR LESS.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°02'03"E	158.72'
L2	N48°11'07"E	49.90'
L3	N13°25'43"E	169.17'
L4	N43°43'57"E	62.30'
L5	N19°15'00"E	220.00'
L6	N19°51'31"W	74.91'
L7	N07°24'06"E	106.80'
L8	N17°47'14"E	108.94'
L9	N01°58'36"W	246.98'
L10	S38°41'44"E	341.54'
L11	N89°37'29"E	287.13'
L12	N00°09'39"W	81.72'
L13	N25°09'52"W	181.98'
L14	N00°05'06"W	246.65'
L15	N25°09'52"W	117.66'
L16	S00°09'39"E	140.02'
L17	N00°05'06"W	246.65'
L18	N00°05'06"W	7.3'
L19	S38°41'44"E	5.3'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED AND/OR DESCRIBED ON 9/4/19, THAT THE ERROR OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS IS NO GREATER THAN 1/5000, AND THIS SURVEY IS IN FULL COMPLIANCE WITH SECTION NO. 3, ACT 132, P.A. 1970.



PAUL W. KINNUNEN
PROFESSIONAL SURVEYOR NO. 48781
EMAIL: PAUL@GREENTECHENGINEERING.NET

SEPTEMBER 5, 2019
DATE OF MAP

ZONING:

ZONING: ORT (OFFICE, RESEARCH & TECHNOLOGY)
SETBACKS (PER ZONING ORDINANCE)
FRONT: 50' (MAY BE REDUCED TO 25' IF PARKING/LOADING NOT LOCATED IN FRONT YARD)
REAR: 50'
SIDES: 20'
MAX. BUILDING HEIGHT: 48'



CIVIL ENGINEERS & LAND SURVEYORS
51147 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CLIENT:	NORTHVILLE TOWNSHIP		DATE: 9-5-2019
PARCEL SPLIT/COMBINATION	PARCEL NOS. 77-066-99-0001-723/716/719		DRAWN BY: PWK
	SECTION: 17 TOWNSHIP: 01S. RANGE: 08E.		CHECKED BY: DJL
	NORTHVILLE TOWNSHIP		0
	OAKLAND COUNTY		FBK: 2/4
	MICHIGAN		CHF: MM
			SCALE HOR 1"= FT. VER 1"= FT.

CERTIFICATE OF SURVEY

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED AND/OR DESCRIBED ON 9/4/19, THAT THE ERROR OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS IS NO GREATER THAN 1/5000, AND THIS SURVEY IS IN FULL COMPLIANCE WITH SECTION NO. 3, ACT 132, P.A. 1970.



MAY 23, 2018

PAUL W. KINNUNEN
PROFESSIONAL SURVEYOR NO. 48781
EMAIL: PAUL@GREENTECHENGINEERING.NET

DATE OF MAP

BEARING BASIS:

BEARINGS BASED ON ATWELL-HICKS, INC.
PARCEL SURVEY, FILE NO. 5227-334-3,
THE SOUTH LINE OF SECTION 17 BEING
S89°50'24"W. EAST-WEST 1/4 _____

S89°50'24"W. EAST-WEST 1/4 —
 — N89°09'50"E — LINE OF SECTION 17
 WEST 1/4 1571.60'

WEST 1/4
CORNER
SECTION 17
T.01S., R.08E.,
NORTHVILLE TWP.,
WAYNE COUNTY,
MICHIGAN
L. 41849, PG. 159

RIDGE ROAD (VARIABLE WIDTH

P.O.B.
PARCEL-
'A'

**P.O.B.
TRANSFER
PARCEL**

SOUTHWEST
CORNER
SECTION 17
T.01S., R.08E.,
NORTHVILLE TWP.,
WAYNE COUNTY,
MICHIGAN
L. 27003, PG. 586

P.O.B. 389 50 24 W
-PARCEL LEGEND
'B'  SCI SET

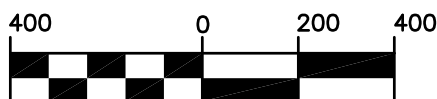
● SCI	SET CAPPED IRON	
○ FCI	FOUND CAPPED IRON	
○ MON	FOUND CONCRETE MONUMENT	
(R)	RECORDED	
(M)	MEASURED	CLIENT:

INTERMEDIATE
TRAVERSE
POINT 'B'

JOHNSON DRAIN
N59°32'1
463

PARCEL
'A'
76.36 ACRES±

GRAPHIC SCALE



(IN FEET)
1 inch = 400 ft.

S00°22'31"E
287.61'(R)-
287.52'(M)

**PARCEL
'B'
3.46 ACRES±**

S25°09'52"E-
299.64'

PARCEL NO.
77-066-99-0001-722

5 MILE ROAD
(VARIABLE WIDTH)

SOUTH 1/4 CORNER
SECTION 17
T.01S., R.08E.,
NORTHVILLE TWP.,
WAYNE COUNTY,
MICHIGAN L. 41849, PG. 167

NOTES:

1. SEE SHEET 4 FOR
LEGAL DESCRIPTIONS
& LINE TABLE.
2. INTERMEDIATE TRAVERSE
POINTS 'A' & 'B' FROM
ATWELL HICKS SURVEY,
FILE NO. 5227-334-3.
3. ZONING INFORMATION ON
SHEETS 2 & 4.
4. TITLE WORK WAS NOT
PROVIDED. EASEMENTS
MAY EXIST AND HAVE NOT
BEEN SHOWN.

CLIENT:

NORTHVILLE TOWNSHIP

PARCEL SPLIT/COMBINATION

PARCEL NOS.
77-066-99-0001-723/716/719
SECTION: 17 TOWNSHIP: 01S. RANGE: 08E.
NORTHVILLE TOWNSHIP
OAKLAND COUNTY
MICHIGAN

DATE: 9-5-2019

DRAWN BY: PWK

CHECKED BY: DJL



FBK: — —
CHF: MM

 $3/4$

SCALE HOR 1" = 400 FT.
VER 1" = -- FT.



CIVIL ENGINEERS & LAND SURVEYORS

51147 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CERTIFICATE OF SURVEY

LEGAL DESCRIPTIONS

TRANSFER PARCEL:

PART OF THE SOUTHWEST 1/4 OF SECTION 17, T. 1S., R. 8E., NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN DESCRIBED AS:
BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 17, SAID LINE ALSO BEING THE CENTERLINE OF RIDGE ROAD, VARIABLE WIDTH, BEING DISTANT NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 493.30 FEET ALONG SAID WEST LINE FROM THE SOUTHWEST CORNER OF SAID SECTION 17; THENCE CONTINUING NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 441.49 FEET; THENCE N89°50'24"E 600.00 FEET; THENCE S00°05'06"E 441.49 FEET; THENCE S89°50'24"W 600.00 FEET TO THE SAID WEST LINE OF SAID SECTION 17, AND TO THE **POINT OF BEGINNING**. CONTAINING 6.08 ACRES, MORE OR LESS, AND SUBJECT TO RIGHT OF WAY FOR RIDGE ROAD, AND SUBJECT TO ANY OTHER RIGHTS OF WAY, EASEMENTS, AND RESTRICTIONS OF RECORD.

PARCEL 'A':

PART OF THE SOUTHWEST 1/4 OF SECTION 17, T. 1S., R. 8E., NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN DESCRIBED AS:
BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 17, SAID LINE ALSO BEING THE CENTERLINE OF RIDGE ROAD, VARIABLE WIDTH, SAID POINT ALSO BEING **INTERMEDIATE TRAVERSE POINT 'A'**, BEING DISTANT NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 934.79 FEET ALONG SAID WEST LINE FROM THE SOUTHWEST CORNER OF SAID SECTION 17; THENCE CONTINUING NORTH 00 DEGREE 05 MINUTES 06 SECONDS WEST 7.3 FEET, MORE OR LESS, ALONG THE SAID WEST LINE OF SAID SECTION 17 AND THE CENTERLINE OF SAID RIDGE ROAD TO THE CENTERLINE OF JOHNSON DRAIN; THENCE NORTHEASTERLY 3419 FEET, MORE OR LESS, ALONG THE CENTERLINE OF SAID JOHNSON DRAIN; THENCE SOUTH 38 DEGREES 41 MINUTES 44 SECONDS EAST 5.3 FEET MORE OR LESS, TO **INTERMEDIATE TRAVERSE POINT "B"**, SAID **INTERMEDIATE TRAVERSE POINT "B"** BEING THE FOLLOWING 17 COURSES FROM SAID **INTERMEDIATE TRAVERSE POINT "A"**: (1) NORTH 56 DEGREES 24 MINUTES 25 SECONDS EAST 255.33 FEET, (2) NORTH 00 DEGREE 46 MINUTES 45 SECONDS EAST 275.82 FEET, (3) NORTH 15 DEGREES 42 MINUTES 41 SECONDS EAST 65.06 FEET, (4) NORTH 05 DEGREES 07 MINUTES 30 SECONDS EAST 263.83 FEET, (5) NORTH 69 DEGREES 02 MINUTES 06 SECONDS EAST 465.63 FEET, (6) NORTH 78 DEGREES 18 MINUTES 02 SECONDS EAST 68.05 FEET, (7) NORTH 67 DEGREES 06 MINUTES 01 SECONDS EAST 368.27 FEET, (8) NORTH 59 DEGREES 32 MINUTES 10 SECONDS EAST 463.34 FEET, (9) NORTH 00 DEGREE 02 MINUTES 03 SECONDS EAST 158.72 FEET, (10) NORTH 48 DEGREES 11 MINUTES 07 SECONDS EAST 49.90 FEET, (11) NORTH 13 DEGREES 25 SECONDS 43 EAST 169.17 FEET, (12) NORTH 43 DEGREES 43 MINUTES 57 SECONDS EAST 62.30 FEET, (13) NORTH 19 DEGREES 15 MINUTES 00 SECONDS EAST 220.00 FEET, (14) NORTH 19 DEGREES 51 MINUTES 31 SECONDS WEST 74.91 FEET, (15) NORTH 07 DEGREES 24 MINUTES 06 SECONDS EAST 106.80 FEET, (16) NORTH 17 DEGREES 47 MINUTES 14 SECONDS EAST 108.94 FEET, AND (17) NORTH 01 DEGREE 58 MINUTES 36 SECONDS WEST 246.98 FEET; THENCE SOUTH 38 DEGREES 41 MINUTES 44 SECONDS EAST 341.54 FEET; THENCE SOUTH 00 DEGREE 24 MINUTES 14 SECONDS WEST 889.70 FEET; THENCE SOUTH 18 DEGREES 48 MINUTES 55 SECONDS EAST 290.94 FEET; THENCE SOUTH 35 DEGREES 18 MINUTES 16 SECONDS EAST 608.48 FEET; THENCE SOUTH 00 DEGREES 22 MINUTES 31 SECONDS EAST 657.44 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 29 SECONDS EAST 287.13 FEET TO THE NORTH–SOUTH 1/4 LINE OF SAID SECTION 17; THENCE ALONG SAID NORTH–SOUTH 1/4 LINE, SOUTH 00 DEGREE 22 MINUTES 31 SECONDS EAST 287.61 FEET; THENCE SOUTH 89 DEGREES 50 MINUTES 24 SECONDS WEST 2048.34 FEET; THENCE N00°05'06"W 441.49 FEET; THENCE S89°50'24"W 600.00 FEET TO THE SAID WEST LINE OF SAID SECTION 17, AND TO THE **POINT OF BEGINNING**. CONTAINING 76.36 ACRES, MORE OR LESS, AND SUBJECT TO RIGHT OF WAY FOR RIDGE ROAD, AND SUBJECT TO ANY OTHER RIGHTS OF WAY, EASEMENTS, AND RESTRICTIONS OF RECORD.

PARCEL 'B':

PART OF THE SOUTHWEST 1/4 OF SECTION 17, T. 1S., R. 8E., NORTHVILLE TOWNSHIP, WAYNE COUNTY, MICHIGAN DESCRIBED AS:
BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION; THENCE N00°05'06"W 934.79 FEET ALONG THE WEST LINE OF SAID SECTION, SAID LINE ALSO BEING THE CENTERLINE OF RIDGE ROAD, VARIABLE WIDTH; THENCE N89°50'24"E 600.00 FEET; THENCE S00°05'06"E 441.49 FEET; THENCE N89°50'24"E 864.13 FEET; THENCE S00°09'39"E 81.72 FEET; THENCE S25°09'52"E 299.64 FEET; THENCE S00°09'39"E 140.02 FEET TO THE SOUTH LINE OF SAID SECTION 17 AND THE CENTERLINE OF 5 MILE ROAD, VARIABLE WIDTH; THENCE ALONG SAID SOUTH LINE S89°50'24"W 1591.42 FEET TO THE SAID SOUTHWEST CORNER OF SAID SECTION 17 AND TO THE **POINT OF BEGINNING**. SUBJECT TO RIGHTS OF WAY FOR RIDGE AND 5 MILE ROADS, ANY OTHER RIGHTS OF WAY, EASEMENTS, OR RESTRICTIONS OF RECORD, AND CONTAINS 23.46 ACRES (GROSS), MORE OR LESS.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED AND/OR DESCRIBED ON 9/4/19, THAT THE ERROR OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS IS NO GREATER THAN 1/5000, AND THIS SURVEY IS IN FULL COMPLIANCE WITH SECTION NO. 3, ACT 132, P.A. 1970.



SEPTEMBER 5, 2019

PAUL W. KINNUNEN
PROFESSIONAL SURVEYOR NO. 48781
EMAIL: PAUL@GREENTECHENGINEERING.NET

DATE OF MAP

ZONING:

ZONING: ORT (OFFICE, RESEARCH & TECHNOLOGY)
SETBACKS (PER ZONING ORDINANCE)
FRONT: 50' (MAY BE REDUCED TO 25' IF PARKING/LOADING NOT LOCATED IN FRONT YARD)
REAR: 50'
SIDES: 20'
MAX. BUILDING HEIGHT: 48'

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°02'03"E	158.72'
L2	N48°11'07"E	49.90'
L3	N13°25'43"E	169.17'
L4	N43°43'57"E	62.30'
L5	N19°15'00"E	220.00'
L6	N19°51'31"W	74.91'
L7	N07°24'06"E	106.80'
L8	N17°47'14"E	108.94'
L9	N01°58'36"W	246.98'
L10	S38°41'44"E	341.54'
L11	N89°37'29"E	287.13'
L18	N00°05'06"W	7.3'
L19	S38°41'44"E	5.3'



CIVIL ENGINEERS & LAND SURVEYORS

51147 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CLIENT:

NORTHVILLE TOWNSHIP

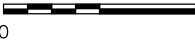
PARCEL SPLIT/COMBINATION

PARCEL NOS.
77-066-99-0001-723/716/719
SECTION: 17 TOWNSHIP: 01S. RANGE: 08E.
NORTHVILLE TOWNSHIP
OAKLAND COUNTY
MICHIGAN

DATE: 9-5-2019

DRAWN BY: PWK

CHECKED BY: DJL



FBK:

CHF: MM

4 / 4

SCALE HOR 1"= FT.
VER 1"= FT.

APPENDIX C

SUMMARIES OF ELIGIBLE ACTIVITIES AND COSTS – MITC REDEVELOPMENT AREA INFRASTRUCTURE (TABLE 1-1) AND GUN RANGE PARCELS (TABLE 1-2)

TABLE 1-1
BROWNFIELD ELIGIBLE ACTIVITIES COST SUMMARY
 MITC Infrastructure

11/4/2019

ELIGIBLE ACTIVITIES	TOTAL ELIGIBLE COST
ELIGIBLE DEPARTMENT SPECIFIC (EGLE) ACTIVITIES⁽¹⁾	
Due Care Activities	
Due Care Planning and Coordination	
Due Care Investigations	
Due Care Plans and Documentation	
Management and Disposal of Contaminated Soil	
Management and Disposal of Contaminated Dewatering Effluent	
Dust, Runoff, and Track-out Control	
Prevent Exacerbation of Contaminated Groundwater - Utilities	
Prevent Exacerbation and Human Exposure - Utilities	
Due Care Design, Engineering, Management and Coordination	
	\$800,000
Act 381 Work Plans and Implementation (x2)⁽²⁾	\$90,000
Subtotal Department Specific Activities	\$890,000
Contingency (10%)	\$120,000
Total Department Specific Activities	\$1,010,000
ELIGIBLE NON-ENVIRONMENTAL (MSF) ACTIVITIES⁽¹⁾	
Demolition Activities	
Pavement and drainage structure removal	\$1,260,000
Public Infrastructure Improvements - Roadway Improvements	
Roadway Reconstruction	
Railroad Crossing Improvements	
Bridge Repairs and Replacement	
Stormwater Management	
Traffic Control and Signage	
Utility/Power Pole Relocation	
Geotechnical Engineering	
Architectural and Engineering Design, and Surveying/Staking Services	
Site Construction Management	
Construction General Conditions	
	\$15,282,225
Public Infrastructure Improvements - Sanitary Sewer	
Excavation and Earthwork	
Dewatering	
Install Upgraded Sewer	
Construct Pump Station	
Install Back-up Generator	
Site Restoration	
Geotechnical Engineering	
Architectural and Engineering Design, and Surveying/Staking Services	
Site Construction Management	
Construction General Conditions	
	\$3,178,350
Public Infrastructure Improvements - Water Main	
Excavation and Earthwork	
Dewatering	
Install Upgraded Water Main	
Construct Water Storage Tank	
Roadway and Site Restoration	
Architectural and Engineering Design, and Surveying/Staking Services	
Site Construction Management	
Construction General Conditions	
	\$6,029,910
Act 381 Work Plans and Implementation (x2)⁽²⁾	\$90,000
Subtotal Department Specific Activities	\$25,840,485
Contingency (10%)	\$2,575,049
Total Non-Environmental Activities	\$28,415,534
TOTAL ELIGIBLE ACTIVITIES⁽³⁾	\$29,425,534

Notes:

⁽¹⁾ Cost estimates are based on engineering, contractor, or developer estimates or consultant experience.

⁽²⁾ These costs are not included in the contingency calculation.

TABLE 1-2
BROWNFIELD ELIGIBLE ACTIVITIES COST SUMMARY
 Gun Range Parcels

11/4/2019

ELIGIBLE ACTIVITIES	TOTAL ELIGIBLE COST
ELIGIBLE DEPARTMENT SPECIFIC (EGLE) ACTIVITIES⁽¹⁾	
BEA Activities Phase I ESA BEA Report	\$10,000
Due Care Activities Due Care Planning and Coordination Remediation of Lead-Impacted Soil Remediation of Waste Disposal Area Dewatering for Remediation and Management/Disposal of Contaminated Dewatering Effluent Dust, Runoff, and Track-out Control Due Care Design, Engineering, Management and Coordination	\$435,000
Act 381 Work Plan⁽²⁾	\$15,000
Total Department Specific Activities	\$460,000
BROWNFIELD PLAN	
Brownfield Plan	\$15,000
TOTAL ELIGIBLE ACTIVITIES⁽³⁾	\$475,000

Notes:

⁽¹⁾ Cost estimates are based on engineering, contractor, or developer estimates or consultant experience.

⁽²⁾ These costs are not included in the contingency calculation.

APPENDIX D

ESTIMATED ANNUAL INVESTMENTS AND TAXABLE VALUES (TABLE 2)

TABLE 2

Estimated Investments and Taxable Values
MITC Redevelopment Area
10/29/2019

PARCEL	2109 TAXABLE VALUE (Base)																	
		TOTAL	2019 (Base)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Northville Township																		
Zhongding (Parcel 2)	\$570,200	\$6,600,000	\$6,600,000															
Parcel 3	\$0	\$9,000,000				\$4,000,000	\$5,000,000											
Parcel 4	\$0	\$11,700,000						\$5,000,000	\$6,700,000									
Parcel 5	\$0	\$6,500,000						\$6,500,000										
Parcel 6	\$0	\$9,000,000									\$3,000,000	\$6,000,000						
Parcel 7	\$0	\$19,500,000													\$3,000,000	\$5,000,000	\$11,500,000	
Parcel 8	\$0	\$31,000,000																
Parcel 9	\$0	\$100,000,000															\$7,000,000	
DTE (3-acre portion Parcel 9)	\$63,000	\$3,000,000					\$3,000,000											
SUBTOTAL	\$633,200	\$196,300,000	\$6,600,000	\$0	\$0	\$4,000,000	\$8,000,000	\$11,500,000	\$6,700,000	\$0	\$3,000,000	\$6,000,000	\$0	\$3,000,000	\$5,000,000	\$11,500,000	\$7,000,000	
SUBTOTAL CUMULATIVE INVESTMENT				\$6,600,000	\$6,600,000	\$6,600,000	\$10,600,000	\$18,600,000	\$30,100,000	\$36,800,000	\$36,800,000	\$39,800,000	\$45,800,000	\$45,800,000	\$48,800,000	\$53,800,000	\$65,300,000	\$72,300,000
SUBTOTAL TAXABLE VALUE				\$633,200	\$1,650,000	\$1,683,000	\$1,716,660	\$2,750,993	\$4,806,013	\$7,777,133	\$9,607,676	\$9,799,830	\$10,745,826	\$12,460,743	\$12,709,957	\$13,714,157	\$15,238,440	\$18,418,209
Plymouth Township																		
Parcel 10	\$0	\$100,000,000																
Hillside (Parcel 11+12)	\$0	\$66,000,000		\$20,000,000	\$46,000,000													
Hillside (Parcel 13)	\$0	\$9,000,000				\$9,000,000												
Adient (Parcel 14)	\$1,058,040	\$70,000,000											\$30,000,000	\$20,000,000	\$20,000,000			
Parcel 15 (Redico)	\$0	\$95,500,000		\$9,400,000	\$20,000,000	\$12,700,000	\$11,000,000		\$9,400,000	\$15,000,000	\$6,000,000		\$12,000,000					
SUBTOTAL	\$1,058,040	\$340,500,000	\$0	\$29,400,000	\$66,000,000	\$21,700,000	\$11,000,000	\$0	\$9,400,000	\$15,000,000	\$6,000,000	\$0	\$42,000,000	\$20,000,000	\$20,000,000	\$0	\$0	
SUBTOTAL CUMULATIVE INVESTMENT				\$0	\$29,400,000	\$95,400,000	\$117,100,000	\$128,100,000	\$137,500,000	\$152,500,000	\$158,500,000	\$158,500,000	\$200,500,000	\$220,500,000	\$240,500,000	\$240,500,000	\$240,500,000	
SUBTOTAL TAXABLE VALUE				\$1,058,040	\$1,079,201	\$8,450,785	\$25,119,801	\$31,047,197	\$34,418,140	\$35,106,503	\$38,158,633	\$42,671,806	\$45,025,242	\$45,925,747	\$57,344,262	\$63,491,147	\$69,760,970	\$71,156,189
TOTAL	\$1,691,240	\$536,800,000	\$6,600,000	\$29,400,000	\$66,000,000	\$25,700,000	\$19,000,000	\$11,500,000	\$16,100,000	\$15,000,000	\$9,000,000	\$6,000,000	\$42,000,000	\$23,000,000	\$25,000,000	\$11,500,000	\$7,000,000	
TOTAL CUMULATIVE INVESTMENT				\$6,600,000	\$36,000,000	\$102,000,000	\$127,700,000	\$146,700,000	\$158,200,000	\$174,300,000	\$189,300,000	\$198,300,000	\$204,300,000	\$246,300,000	\$269,300,000	\$294,300,000	\$305,800,000	\$312,800,000
TOTAL TAXABLE VALUE				\$1,691,240	\$ 2,729,201	\$ 10,133,785	\$ 26,836,461	\$ 33,798,190	\$ 39,224,154	\$ 42,883,637	\$ 47,766,309	\$ 52,471,636	\$ 55,771,068	\$ 58,386,490	\$ 70,054,219	\$ 77,205,304	\$ 84,999,410	\$ 89,574,398

Taxable value (2019) = Actual; Taxable value (≥ 2020) = 0.25 x annual investment + (prev. year x 1.02)

Investment = parcel sq. ft. x 0.3 x \$100

TABLE 2

Estimated Investments and Taxable Values
MITC Redevelopment Area
10/29/2019

INVESTMENT																
2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
\$5,000,000	\$5,000,000	\$11,000,000	\$10,000,000													
\$10,000,000	\$15,000,000	\$15,000,000		\$20,000,000	\$33,000,000											
\$15,000,000	\$20,000,000	\$26,000,000	\$10,000,000	\$20,000,000	\$33,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$87,300,000	\$107,300,000	\$133,300,000	\$143,300,000	\$163,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000	\$196,300,000
\$20,536,573	\$24,697,304	\$30,191,250	\$37,295,075	\$40,540,977	\$46,351,796	\$55,528,832	\$56,639,409	\$57,772,197	\$58,927,641	\$60,106,194	\$61,308,318	\$62,534,484	\$63,785,174	\$65,060,877	\$66,362,095	\$67,689,337
		\$10,000,000	\$20,000,000	\$25,000,000	\$20,000,000	\$25,000,000										
\$0	\$0	\$10,000,000	\$20,000,000	\$25,000,000	\$20,000,000	\$25,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$240,500,000	\$240,500,000	\$250,500,000	\$270,500,000	\$295,500,000	\$315,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000	\$340,500,000
\$72,579,313	\$74,030,900	\$75,511,518	\$79,521,748	\$86,112,183	\$94,084,426	\$100,966,115	\$109,235,437	\$111,420,146	\$113,648,549	\$115,921,520	\$118,239,950	\$120,604,749	\$123,016,844	\$125,477,181	\$127,986,725	\$130,546,459
\$15,000,000	\$20,000,000	\$36,000,000	\$30,000,000	\$45,000,000	\$53,000,000	\$25,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$327,800,000	\$347,800,000	\$383,800,000	\$413,800,000	\$458,800,000	\$511,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000	\$536,800,000
\$ 93,115,886	\$ 98,728,204	\$ 105,702,768	\$ 116,816,823	\$ 126,653,160	\$ 140,436,223	\$ 156,494,947	\$ 165,874,846	\$ 169,192,343	\$ 172,576,190	\$ 176,027,714	\$ 179,548,268	\$ 183,139,233	\$ 186,802,018	\$ 190,538,058	\$ 194,348,820	\$ 198,235,796

APPENDIX E

SUMMARIES OF TIR CAPTURE (TABLE 3A-1) AND TIR REIMBURSEMENT ALLOCATION (TABLE 3B-1) FOR MITC REDEVELOPMENT AREA



TABLE 3A-1.
Tax Increment Revenue Capture Estimates - MITC Redevelopment Area Wide
MITC Redevelopment Area
Northville Township and Plymouth Township, Michigan
11/7/2019

Estimated Taxable Value (TV) Increase Rate: 2% per year																				
Northville Township Parcels ¹	Plan Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	Base Taxable Value	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200
	Estimated New TV ²	\$ 633,200	\$ 1,650,000	\$ 1,683,000	\$ 1,716,660	\$ 2,750,993	\$ 4,806,013	\$ 7,777,133	\$ 9,607,676	\$ 9,799,830	\$ 10,745,826	\$ 12,460,743	\$ 12,709,957	\$ 13,714,157	\$ 15,238,440	\$ 18,418,209	\$ 20,536,573	\$ 24,697,304	\$ 30,191,250	\$ 37,295,075
	Incremental Difference (New TV - Base TV)	\$ -	\$ 1,016,800	\$ 1,049,800	\$ 1,083,460	\$ 2,117,793	\$ 4,172,813	\$ 7,143,933	\$ 8,974,476	\$ 9,166,630	\$ 10,112,626	\$ 11,827,543	\$ 12,076,757	\$ 13,080,957	\$ 14,605,240	\$ 17,785,009	\$ 19,903,373	\$ 24,064,104	\$ 29,558,050	\$ 36,661,875
Plymouth Township Parcels ¹	Plan Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	Base Taxable Value	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040
	Estimated New TV ²	\$ 1,058,040	\$ 1,079,201	\$ 8,450,785	\$ 25,119,801	\$ 31,047,197	\$ 34,418,140	\$ 35,106,503	\$ 38,158,633	\$ 42,671,806	\$ 45,025,242	\$ 45,925,747	\$ 57,344,262	\$ 63,491,147	\$ 69,760,970	\$ 71,156,189	\$ 72,579,313	\$ 74,030,900	\$ 75,511,518	\$ 79,521,748
	Incremental Difference (New TV - Base TV)	\$ -	\$ 21,161	\$ 7,392,745	\$ 24,061,761	\$ 29,989,157	\$ 33,360,100	\$ 34,048,463	\$ 37,100,593	\$ 41,613,766	\$ 43,967,202	\$ 44,867,707	\$ 56,286,222	\$ 62,433,107	\$ 68,702,930	\$ 70,098,149	\$ 71,521,273	\$ 72,972,860	\$ 74,453,478	\$ 78,463,708

State Capture ^{3,4}	Northville Township		Plymouth Township																		
	Millage Rate	Millage Rate																			
State Education Tax (SET)	6.0000	6.0000	\$ -	\$ 6,228	\$ 50,655	\$ 150,872	\$ 192,642	\$ 225,198	\$ 247,155	\$ 276,451	\$ 304,683	\$ 324,479	\$ 340,171	\$ 410,178	\$ 453,085	\$ 499,849	\$ 527,299	\$ 548,548	\$ 582,222	\$ 624,069	\$ 690,753
School Operating Tax	18.0000	18.0000	\$ -	\$ 18,683	\$ 151,965	\$ 452,614	\$ 577,925	\$ 675,593	\$ 741,463	\$ 829,352	\$ 914,047	\$ 973,437	\$ 1,020,515	\$ 1,230,534	\$ 1,359,253	\$ 1,499,547	\$ 1,581,897	\$ 1,645,644	\$ 1,746,665	\$ 1,872,208	\$ 2,072,261
State Total	24.0000	24.0000	\$ -	\$ 24,911	\$ 202,620	\$ 603,486	\$ 770,567	\$ 900,791	\$ 988,618	\$ 1,105,803	\$ 1,218,730	\$ 1,297,916	\$ 1,360,686	\$ 1,640,712	\$ 1,812,338	\$ 1,999,396	\$ 2,109,196	\$ 2,194,192	\$ 2,328,887	\$ 2,496,277	\$ 2,763,014

Local Capture ^{3,4}	Northville Township		Plymouth Township																		
	Millage Rate	Millage Rate																			
School Sinking Fund	0.9519	0.0000	\$ -	\$ 968	\$ 999	\$ 1,031	\$ 2,016	\$ 3,972	\$ 6,800	\$ 8,543	\$ 8,726	\$ 9,626	\$ 11,259	\$ 11,496	\$ 12,452	\$ 13,903	\$ 16,930	\$ 18,946	\$ 22,907	\$ 28,136	\$ 34,898
Community College	2.2516	2.2516	\$ -	\$ 2,337	\$ 19,010	\$ 56,617	\$ 72,292	\$ 84,510	\$ 92,749	\$ 103,743	\$ 114,338	\$ 121,767	\$ 127,655	\$ 153,926	\$ 170,027	\$ 187,577	\$ 197,878	\$ 205,851	\$ 218,489	\$ 234,192	\$ 259,217
RESA Operating	0.0965	0.0965	\$ -	\$ 100	\$ 814	\$ 2,427	\$ 3,098	\$ 3,622	\$ 3,975	\$ 4,446	\$ 4,901	\$ 5,219	\$ 5,471	\$ 6,597	\$ 7,287	\$ 8,039	\$ 8,480	\$ 8,823	\$ 9,364	\$ 10,037	\$ 11,110
RESA Special Education	3.3678	3.3678	\$ -	\$ 3,495	\$ 28,433	\$ 84,684	\$ 108,129	\$ 126,403	\$ 138,727	\$ 155,171	\$ 171,018	\$ 182,130	\$ 190,938	\$ 230,233	\$ 254,316	\$ 280,566	\$ 295,973	\$ 307,900	\$ 326,801	\$ 350,290	\$ 387,720
RESA Enhancement	2.0000	2.0000	\$ -	\$ 2,076	\$ 16,885	\$ 50,291	\$ 64,214	\$ 75,066	\$ 82,385	\$ 92,150	\$ 101,561	\$ 108,159	\$ 113,390	\$ 136,726	\$ 151,028	\$ 166,616	\$ 175,766	\$ 182,850	\$ 194,074	\$ 208,023	\$ 230,251
County Operating	6.6380	6.6380	\$ -	\$ 6,890	\$ 56,042	\$ 166,914	\$ 213,126	\$ 249,143	\$ 273,435	\$ 305,847	\$ 337,080	\$ 358,982	\$ 376,343	\$ 453,794	\$ 501,262	\$ 553,000	\$ 583,369	\$ 606,877	\$ 644,132	\$ 690,428	\$ 764,204
HCMA	0.2117	0.2117	\$ -	\$ 219	\$ 1,787	\$ 5,323	\$ 6,797	\$ 7,945	\$ 8,720	\$ 9,754	\$ 10,751	\$ 11,449	\$ 12,002	\$ 14,473	\$ 15,986	\$ 17,636	\$ 18,605	\$ 19,355	\$ 20,542	\$ 22,019	\$ 24,372
County Jail	0.9381	0.9381	\$ -	\$ 974	\$ 7,920	\$ 23,588	\$ 30,120	\$ 35,210	\$ 38,643	\$ 43,223	\$ 47,637	\$ 50,733	\$ 53,185	\$ 64,131	\$ 70,839	\$ 78,151	\$ 82,443	\$ 85,765	\$ 91,031	\$ 97,573	\$ 108,000
County Parks	0.2459	0.2459	\$ -	\$ 255	\$ 2,076	\$ 6,183	\$ 7,895	\$ 9,229	\$ 10,130	\$ 11,330	\$ 12,487	\$ 13,299	\$ 13,941	\$ 16,811	\$ 18,569	\$ 20,485	\$ 21,610	\$ 22,481	\$ 23,861	\$ 25,576	\$ 28,309
Library Operating	1.1077	1.4535	\$ -	\$ 1,157	\$ 11,908	\$ 36,174	\$ 45,935	\$ 53,111	\$ 57,402	\$ 63,867	\$ 70,640	\$ 75,108	\$ 78,316	\$ 95,189	\$ 105,237	\$ 116,038	\$ 121,588	\$ 126,003	\$ 132,722	\$ 140,959	\$ 154,657
Township Operating	0.7682	0.8134	\$ -	\$ 798	\$ 6,819	\$ 20,404	\$ 26,020	\$ 30,341	\$ 33,183	\$ 37,072	\$ 40,891	\$ 43,532	\$ 45,581	\$ 55,060	\$ 60,832	\$ 67,103	\$ 70,680	\$ 73,465	\$ 77,842	\$ 83,266	\$ 91,986
Public Safety	6.0112	4.3750	\$ -	\$ 6,205	\$ 38,654	\$ 111,783	\$ 143,933	\$ 171,034	\$ 191,906	\$ 216,262	\$ 237,162	\$ 253,146	\$ 267,394	\$ 318,848	\$ 351,777	\$ 388,370	\$ 413,588	\$ 432,549	\$ 463,910	\$ 503,413	\$ 563,661
Shared Services	0.7283	0.0000	\$ -	\$ 741	\$ 765	\$ 789	\$ 1,542	\$ 3,039	\$ 5,203	\$ 6,536	\$ 6,676	\$ 7,365	\$ 8,614	\$ 8,796	\$ 9,527	\$ 10,637	\$ 12,953	\$ 14,496	\$ 17,526	\$ 21,527	\$ 26,701
Local Total	25.3169	22.3915	\$ -	\$ 26,215	\$ 192,112	\$ 566,208	\$ 725,117	\$ 852,625	\$ 943,258	\$ 1,057,944	\$ 1,163,868	\$ 1,240,515	\$ 1,304,089	\$ 1,566,080	\$ 1,729,139	\$ 1,908,121	\$ 2,019,863	\$ 2,105,361	\$ 2,243,201	\$ 2,415,439	\$ 2,685,086

Non-Capturable Millages ³	Northville Township		Plymouth Township																		
	Millage Rate	Millage Rate																			
School Debt	3.6400	4.0200	\$ -	\$ 3,786	\$ 33,540	\$ 100,672	\$ 128,265	\$ 149,297	\$ 162,879	\$ 181,811	\$ 200,654	\$ 213,558	\$ 223,420	\$ 270,230	\$ 298,596	\$ 329,349	\$ 346,532	\$ 359,964	\$ 380,944	\$ 406,894	\$ 448,873
Property Bond	1.0480	0.0000	\$ -	\$ 1,066	\$ 1,100	\$ 1,135	\$ 2,219	\$ 4,373	\$ 7,487	\$ 9,405	\$ 9,607	\$ 10,598	\$ 12,395	\$ 12,656	\$ 13,709	\$ 15,306	\$ 18,639	\$ 20,859	\$ 25,219	\$ 30,977	\$ 38,422
WC Zoo	0.1000	0.1000	\$ -	\$ 104	\$ 844	\$ 2,514	\$ 3,211	\$ 3,753	\$ 4,119	\$ 4,607	\$ 5,078	\$ 5,408	\$ 5,670	\$ 6,837	\$ 7,551	\$ 8,331	\$ 8,789	\$ 9,142	\$ 9,703	\$ 10,401	\$ 11,512
WC DIA	0.2000	0.2000	\$ -	\$ 207	\$ 1,689	\$ 5,029	\$ 6,422	\$ 7,507	\$ 8,239	\$ 9,215	\$ 10,156	\$ 10,816	\$ 11,340	\$ 13,672	\$ 15,103	\$ 16,662	\$ 17,577	\$ 18,285	\$ 19,408	\$ 20,803	\$ 23,025
Total Non-Capturable Taxes	4.9880	4.3200	\$ -	\$ 5,163	\$ 37,173	\$ 109,350	\$ 140,117	\$ 164,930	\$ 182,724	\$ 205,038	\$ 225,495	\$ 240,380	\$ 252,825	\$ 303,395	\$ 334,959	\$ 369,648	\$ 391,537	\$ 408,250	\$ 435,274	\$ 469,075	\$ 521,832

Total Tax Increment Revenue (TIR) Available for Capture	\$ -	\$ 51,126	\$ 394,732	\$ 1,169,694	\$ 1,495,684	\$ 1,753,416	\$ 1,931,876	\$ 2,163,747	\$ 2,382,598	\$ 2,538,431	\$ 2,664,775	\$ 3,206,792	\$ 3,541,477	\$ 3,907,517	\$ 4,129,059	\$ 4,299,553	\$ 4,572,088	\$ 4,911,716	\$ 5,448,100
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Footnotes:
1. This table reflects the cumulative TIR generated from parcels 2 through 15 in the MITC Redevelopment Area.
2. The estimated taxable value is equivalent to the investment amount per year multiplied by 25% plus the taxable value of the year prior with a 2% inflation rate.
3. An industrial facilities tax (IFT) abatement are active within the MITC Redevelopment Area. A 25% conversion factor was used to calculate the estimated new taxable values from investment amounts on a per parcel basis to account for the IFT.
4. Northville Township millages reflective of Winter 2018 and Summer 2019. Winter 2019 millages for Northville Township were not available. Plymouth Township millages reflective of Summer and Winter 2019.



TABLE 3A-1.
Tax Increment Revenue Capture Estimates - MITC Redevelopment Area Wide
MITC Redevelopment Area
Northville Township and Plymouth Township, Michigan
11/7/2019

Estimated Taxable Value (TV) Increase Rate:																
Northville Township Parcels ¹		Plan Year	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
Calendar Year		2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050		
Base Taxable Value		\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	\$ 633,200	
Estimated New TV ²		\$ 40,540,977	\$ 46,351,796	\$ 55,528,832	\$ 56,639,409	\$ 57,772,197	\$ 58,927,641	\$ 60,106,194	\$ 61,308,318	\$ 62,534,484	\$ 63,785,174	\$ 65,060,877	\$ 66,362,095	\$ 67,689,337		
Incremental Difference (New TV - Base TV)		\$ 39,907,777	\$ 45,718,596	\$ 54,895,632	\$ 56,006,209	\$ 57,138,997	\$ 58,294,441	\$ 59,472,994	\$ 60,675,118	\$ 61,901,284	\$ 63,151,974	\$ 64,427,677	\$ 65,728,895	\$ 67,056,137		
Plymouth Township Parcels ¹		Plan Year	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
Calendar Year		2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050		
Base Taxable Value		\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	\$ 1,058,040	
Estimated New TV ²		\$ 86,112,183	\$ 94,084,426	\$ 100,966,115	\$ 109,235,437	\$ 111,420,146	\$ 113,648,549	\$ 115,921,520	\$ 118,239,950	\$ 120,604,749	\$ 123,016,844	\$ 125,477,181	\$ 127,986,725	\$ 130,546,459		
Incremental Difference (New TV - Base TV)		\$ 85,054,143	\$ 93,026,386	\$ 99,908,075	\$ 108,177,397	\$ 110,362,106	\$ 112,590,509	\$ 114,863,480	\$ 117,181,910	\$ 119,546,709	\$ 121,958,804	\$ 124,419,141	\$ 126,928,685	\$ 129,488,419		
State Capture ^{3,4}		Northville Township Millage Rate	Plymouth Township Millage Rate													
State Education Tax (SET)	6.0000	6.0000	\$ 749,772	\$ 832,470	\$ 928,822	\$ 985,101	\$ 1,005,007	\$ 1,025,310	\$ 1,046,019	\$ 1,067,142	\$ 1,088,688	\$ 1,110,665	\$ 1,133,081	\$ 1,155,945	\$ 1,179,268	\$ 19,761,827
School Operating Tax	18.0000	18.0000	\$ 2,249,315	\$ 2,497,410	\$ 2,786,466	\$ 2,955,305	\$ 3,015,020	\$ 3,075,929	\$ 3,138,057	\$ 3,201,426	\$ 3,266,064	\$ 3,331,994	\$ 3,399,243	\$ 3,467,836	\$ 3,537,802	\$ 59,285,470
State Total	24.0000	24.0000	\$ 2,999,087	\$ 3,329,880	\$ 3,715,288	\$ 3,940,406	\$ 4,020,027	\$ 4,101,239	\$ 4,184,076	\$ 4,268,568	\$ 4,354,752	\$ 4,442,659	\$ 4,532,324	\$ 4,623,781	\$ 4,717,070	\$ 79,047,297
Local Capture ^{3,4}		Northville Township Millage Rate	Plymouth Township Millage Rate													
School Sinking Fund	0.9519	0.0000	\$ 37,988	\$ 43,520	\$ 52,255	\$ 53,312	\$ 54,391	\$ 55,490	\$ 56,612	\$ 57,757	\$ 58,924	\$ 60,114	\$ 61,329	\$ 62,567	\$ 63,831	\$ 931,698
Community College	2.2516	2.2516	\$ 281,364	\$ 312,398	\$ 348,556	\$ 369,676	\$ 377,145	\$ 384,765	\$ 392,536	\$ 400,463	\$ 408,548	\$ 416,795	\$ 425,207	\$ 433,788	\$ 442,540	\$ 7,415,956
RESA Operating	0.0965	0.0965	\$ 12,059	\$ 13,389	\$ 14,938	\$ 15,844	\$ 16,164	\$ 16,490	\$ 16,823	\$ 17,163	\$ 17,509	\$ 17,863	\$ 18,223	\$ 18,592	\$ 18,967	\$ 317,834
RESA Special Education	3.3678	3.3678	\$ 420,846	\$ 467,265	\$ 521,348	\$ 552,938	\$ 564,111	\$ 575,506	\$ 587,130	\$ 598,987	\$ 611,080	\$ 623,416	\$ 635,999	\$ 648,832	\$ 661,923	\$ 11,092,308
RESA Enhancement	2.0000	2.0000	\$ 249,924	\$ 277,490	\$ 309,607	\$ 328,367	\$ 335,002	\$ 341,770	\$ 348,673	\$ 355,714	\$ 362,896	\$ 370,222	\$ 377,693	\$ 385,315	\$ 393,089	\$ 6,587,273
County Operating	6.6380	6.6380	\$ 829,497	\$ 920,989	\$ 1,027,587	\$ 1,089,851	\$ 1,111,873	\$ 1,134,334	\$ 1,157,246	\$ 1,180,615	\$ 1,204,452	\$ 1,228,766	\$ 1,253,565	\$ 1,278,861	\$ 1,304,663	\$ 21,863,167
HCMA	0.2117	0.2117	\$ 26,454	\$ 29,373	\$ 32,772	\$ 34,758	\$ 35,460	\$ 36,176	\$ 36,907	\$ 37,652	\$ 38,413	\$ 39,188	\$ 39,979	\$ 40,786	\$ 41,609	\$ 697,262
County Jail	0.9381	0.9381	\$ 117,226	\$ 130,157	\$ 145,222	\$ 154,020	\$ 157,133	\$ 160,307	\$ 163,545	\$ 166,847	\$ 170,217	\$ 173,653	\$ 177,158	\$ 180,732	\$ 184,378	\$ 3,089,761
County Parks	0.2459	0.2459	\$ 30,728	\$ 34,117	\$ 38,066	\$ 40,373	\$ 41,188	\$ 42,021	\$ 42,869	\$ 43,735	\$ 44,619	\$ 45,519	\$ 46,438	\$ 47,375	\$ 48,330	\$ 809,905
Library Operating	1.1077	1.4535	\$ 167,832	\$ 185,856	\$ 206,024	\$ 219,274	\$ 223,704	\$ 228,223	\$ 232,832	\$ 237,534	\$ 242,329	\$ 247,220	\$ 252,210	\$ 257,299	\$ 262,489	\$ 4,448,837
Township Operating	0.7682	0.8134	\$ 99,840	\$ 110,789	\$ 123,436	\$ 131,015	\$ 133,663	\$ 136,363	\$ 139,117	\$ 141,927	\$ 144,792	\$ 147,714	\$ 150,696	\$ 153,737	\$ 156,839	\$ 2,634,803
Public Safety	6.0112	4.3750	\$ 612,006	\$ 681,814	\$ 767,087	\$ 809,941	\$ 826,308	\$ 843,003	\$ 860,032	\$ 877,401	\$ 895,118	\$ 913,189	\$ 931,622	\$ 950,423	\$ 969,600	\$ 16,011,139
Shared Services	0.7283	0.0000	\$ 29,065	\$ 33,297	\$ 39,981	\$ 40,790	\$ 41,615	\$ 42,456	\$ 43,315	\$ 44,190	\$ 45,083	\$ 45,994	\$ 46,923	\$ 47,871	\$ 48,838	\$ 712,851
Local Total	25.3169	22.3915	\$ 2,914,829	\$ 3,240,454	\$ 3,626,879	\$ 3,840,159	\$ 3,917,757	\$ 3,996,904	\$ 4,077,637	\$ 4,159,985	\$ 4,243,980	\$ 4,329,653	\$ 4,417,042	\$ 4,506,178	\$ 4,597,096	\$ 76,612,794
Non-Capturable Millages ³		Northville Township Millage Rate	Plymouth Township Millage Rate													
School Debt	3.6400	4.0200	\$ 487,182	\$ 540,382	\$ 601,450	\$ 638,736	\$ 651,642	\$ 664,806	\$ 678,233	\$ 691,928	\$ 705,899	\$ 720,147	\$ 734,682	\$ 749,506	\$ 764,627	\$ 12,868,484
Property Bond	1.0480	0.0000	\$ 41,823	\$ 47,913	\$ 57,531	\$ 58,695	\$ 59,882	\$ 61,093	\$ 62,328	\$ 63,588	\$ 64,873	\$ 66,183	\$ 67,520	\$ 68,884	\$ 70,275	\$ 1,025,760
WC Zoo	0.1000	0.1000	\$ 12,496	\$ 13,875	\$ 15,481	\$ 16,419	\$ 16,750	\$ 17,088	\$ 17,433	\$ 17,786	\$ 18,145	\$ 18,511	\$ 18,885	\$ 19,266	\$ 19,655	\$ 329,364
WC DIA	0.2000	0.2000	\$ 24,993	\$ 27,749	\$ 30,961	\$ 32,836	\$ 33,500	\$ 34,177	\$ 34,868	\$ 35,571	\$ 36,289	\$ 37,022	\$ 37,770	\$ 38,532	\$ 39,309	\$ 658,732
Total Non-Capturable Taxes	4.9880	4.3200	\$ 566,494	\$ 629,919	\$ 705,423	\$ 746,686	\$ 761,774	\$ 777,164	\$ 792,862	\$ 808,873	\$ 825,206	\$ 841,863	\$ 858,857	\$ 876,188	\$ 893,866	\$ 14,882,340
Total Tax Increment Revenue (TIR) Available for Capture			\$ 5,913,916	\$ 6,570,334	\$ 7,342,167	\$ 7,780,565	\$ 7,937,784	\$ 8,098,143	\$ 8,261,713	\$ 8,428,553	\$ 8,598,732	\$ 8,772,312	\$ 8,949,366	\$ 9,129,959	\$ 9,314,166	\$ 155,660,091

Footnotes:
1. This table reflects the cumulative TIR generated from parcels 2 through 15 in the MITC Redeve
2. The estimated taxable value is equivalent to the investment amount per year multiplied by 25'
3. An industrial facilities tax (IFT) abatement are active within the MITC Redevelopment Area. A
4. Northville Township millages reflective of Winter 2018 and Summer 2019. Winter 2019 millag

APPENDIX F

SUMMARIES OF TAX TIR CAPTURE (TABLE 3A-2) AND TIR REIMBURSEMENT ALLOCATION (TABLE 3B-2) FOR GUN RANGE PARCELS



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TABLE 3A-2.
Tax Increment Revenue Capture Estimates - Gun Range Parcels
MITC Redevelopment Area
Northville Township, Michigan
11/7/2019

			Estimated Taxable Value (TV) Increase Rate: 2% per year																					
Northville Township Parcels ¹			Plan Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
			Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037		
			Base Taxable Value ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
			Estimated New TV ^{3,4}	\$ -	\$ -	\$ -	\$ 1,320,000	\$ 2,996,400	\$ 6,851,328	\$ 9,199,355	\$ 9,383,342	\$ 9,571,009	\$ 9,762,429	\$ 9,957,678	\$ 10,156,832	\$ 10,359,969	\$ 10,567,168	\$ 10,778,511	\$ 10,994,081	\$ 11,213,963	\$ 11,438,242	\$ 11,667,007		
			Incremental Difference (New TV - Base TV)	\$ -	\$ -	\$ -	\$ 1,320,000	\$ 2,996,400	\$ 6,851,328	\$ 9,199,355	\$ 9,383,342	\$ 9,571,009	\$ 9,762,429	\$ 9,957,678	\$ 10,156,832	\$ 10,359,969	\$ 10,567,168	\$ 10,778,511	\$ 10,994,081	\$ 11,213,963	\$ 11,438,242	\$ 11,667,007		
Plymouth Township Parcels ¹			Plan Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
			Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037		
			Base Taxable Value ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
			Estimated New TV ^{3,4}	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
			Incremental Difference (New TV - Base TV)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
State Capture ^{5,6}			Northville Township Millage Rate	Plymouth Township Millage Rate																				
State Education Tax (SET)			6.0000	6.0000	\$ -	\$ -	\$ -	\$ 3,960	\$ 8,989	\$ 20,554	\$ 27,598	\$ 28,150	\$ 28,713	\$ 58,575	\$ 59,746	\$ 60,941	\$ 62,160	\$ 63,403	\$ 64,671	\$ 65,964	\$ 67,284	\$ 68,629	\$ 70,002	
School Operating Tax			18.0000	18.0000	\$ -	\$ -	\$ -	\$ 11,880	\$ 26,968	\$ 61,662	\$ 82,794	\$ 84,450	\$ 86,139	\$ 175,724	\$ 179,238	\$ 182,823	\$ 186,479	\$ 190,209	\$ 194,013	\$ 197,893	\$ 201,851	\$ 205,888	\$ 210,006	
State Total			24.0000	24.0000	\$ -	\$ -	\$ -	\$ 15,840	\$ 35,957	\$ 82,216	\$ 110,392	\$ 112,600	\$ 114,852	\$ 234,299	\$ 238,984	\$ 243,764	\$ 248,639	\$ 253,612	\$ 258,684	\$ 263,857	\$ 269,135	\$ 274,517	\$ 280,008	
Local Capture ^{5,6}			Northville Township Millage Rate	Plymouth Township Millage Rate																				
School Sinking Fund			0.9519	0.0000	\$ -	\$ -	\$ -	\$ 629	\$ 1,426	\$ 3,261	\$ 4,379	\$ 4,466	\$ 4,556	\$ 9,293	\$ 9,479	\$ 9,668	\$ 9,862	\$ 10,059	\$ 10,260	\$ 10,465	\$ 10,675	\$ 10,888	\$ 11,106	
Community College			2.2516	2.2516	\$ -	\$ -	\$ -	\$ 1,486	\$ 3,374	\$ 7,713	\$ 10,357	\$ 10,564	\$ 10,775	\$ 21,981	\$ 22,421	\$ 22,869	\$ 23,327	\$ 23,793	\$ 24,269	\$ 24,754	\$ 25,249	\$ 25,754	\$ 26,269	
RESA Operating			0.0965	0.0965	\$ -	\$ -	\$ -	\$ 64	\$ 145	\$ 331	\$ 444	\$ 453	\$ 462	\$ 942	\$ 961	\$ 980	\$ 1,000	\$ 1,020	\$ 1,040	\$ 1,061	\$ 1,082	\$ 1,104	\$ 1,126	
RESA Special Education			3.3678	3.3678	\$ -	\$ -	\$ -	\$ 2,223	\$ 5,046	\$ 11,537	\$ 15,491	\$ 15,801	\$ 16,117	\$ 32,878	\$ 33,535	\$ 34,206	\$ 34,890	\$ 35,588	\$ 36,300	\$ 37,026	\$ 37,766	\$ 38,522	\$ 39,292	
RESA Enhancement			2.0000	2.0000	\$ -	\$ -	\$ -	\$ 1,320	\$ 2,997	\$ 6,852	\$ 9,200	\$ 9,384	\$ 9,571	\$ 19,525	\$ 19,915	\$ 20,314	\$ 20,720	\$ 21,134	\$ 21,557	\$ 21,988	\$ 22,428	\$ 22,876	\$ 23,334	
County Operating			6.6380	6.6380	\$ -	\$ -	\$ -	\$ 4,381	\$ 9,945	\$ 22,740	\$ 30,533	\$ 31,144	\$ 31,766	\$ 64,803	\$ 66,099	\$ 67,421	\$ 68,769	\$ 70,145	\$ 71,548	\$ 72,979	\$ 74,438	\$ 75,927	\$ 77,446	
HCMA			0.2117	0.2117	\$ -	\$ -	\$ -	\$ 140	\$ 317	\$ 725	\$ 974	\$ 993	\$ 1,013	\$ 2,067	\$ 2,108	\$ 2,150	\$ 2,193	\$ 2,237	\$ 2,282	\$ 2,327	\$ 2,374	\$ 2,421	\$ 2,470	
County Jail			0.9381	0.9381	\$ -	\$ -	\$ -	\$ 619	\$ 1,406	\$ 3,214	\$ 4,315	\$ 4,402	\$ 4,490	\$ 9,158	\$ 9,341	\$ 9,528	\$ 9,719	\$ 9,913	\$ 10,111	\$ 10,314	\$ 10,520	\$ 10,730	\$ 10,945	
County Parks			0.2459	0.2459	\$ -	\$ -	\$ -	\$ 163	\$ 369	\$ 843	\$ 1,131	\$ 1,154	\$ 1,177	\$ 2,401	\$ 2,449	\$ 2,498	\$ 2,548	\$ 2,598	\$ 2,650	\$ 2,703	\$ 2,758	\$ 2,813	\$ 2,869	
Library Operating			1.1077	1.4535	\$ -	\$ -	\$ -	\$ 731	\$ 1,660	\$ 3,795	\$ 5,095	\$ 5,197	\$ 5,301	\$ 10,814	\$ 11,030	\$ 11,251	\$ 11,476	\$ 11,705	\$ 11,939	\$ 12,178	\$ 12,422	\$ 12,670	\$ 12,924	
Township Operating			0.7682	0.8134	\$ -	\$ -	\$ -	\$ 507	\$ 1,151	\$ 2,632	\$ 3,534	\$ 3,604	\$ 3,676	\$ 7,499	\$ 7,649	\$ 7,802	\$ 7,959	\$ 8,118	\$ 8,280	\$ 8,446	\$ 8,615	\$ 8,787	\$ 8,963	
Public Safety			6.0112	4.3750	\$ -	\$ -	\$ -	\$ 3,968	\$ 9,006	\$ 20,593	\$ 27,650	\$ 28,203	\$ 28,767	\$ 58,684	\$ 59,858	\$ 61,055	\$ 62,276	\$ 63,521	\$ 64,792	\$ 66,088	\$ 67,409	\$ 68,758	\$ 70,133	
Shared Services			0.7283	0.0000	\$ -	\$ -	\$ -	\$ 481	\$ 1,091	\$ 2,495	\$ 3,350	\$ 3,417	\$ 3,486	\$ 7,110	\$ 7,252	\$ 7,397	\$ 7,545	\$ 7,696	\$ 7,850	\$ 8,007	\$ 8,167	\$ 8,331	\$ 8,497	
Local Total			25.3169	22.3915	\$ -	\$ -	\$ -	\$ 16,709	\$ 37,930	\$ 86,727	\$ 116,450	\$ 118,779	\$ 121,155	\$ 247,155	\$ 252,097	\$ 257,139	\$ 262,284	\$ 267,527	\$ 272,878	\$ 278,336	\$ 283,903	\$ 289,581	\$ 295,374	
Non-Capturable Millages ³			Northville Township Millage Rate	Plymouth Township Millage Rate																				
School Debt			3.6400	4.0200	\$ -	\$ -	\$ -	\$ 2,403	\$ 5,454	\$ 12,470	\$ 16,743	\$ 17,078	\$ 17,419	\$ 35,535	\$ 36,246	\$ 36,971	\$ 37,710	\$ 38,464	\$ 39,234	\$ 40,018	\$ 40,819	\$ 41,635	\$ 42,468	
Property Bond			1.0480	0.0000	\$ -	\$ -	\$ -	\$ 692	\$ 1,570	\$ 3,590	\$ 4,821	\$ 4,917	\$ 5,015	\$ 10,231	\$ 10,436	\$ 10,644	\$ 10,857	\$ 11,074	\$ 11,296	\$ 11,522	\$ 11,752	\$ 11,987	\$ 12,227	
WC Zoo			0.1000	0.1000	\$ -	\$ -	\$ -	\$ 66	\$ 150	\$ 343	\$ 460	\$ 469	\$ 479	\$ 976	\$ 996	\$ 1,016	\$ 1,036	\$ 1,057	\$ 1,078	\$ 1,099	\$ 1,121	\$ 1,144	\$ 1,167	
WC DIA			0.2000	0.2000	\$ -	\$ -	\$ -	\$ 132	\$ 300	\$ 685	\$ 920	\$ 939	\$ 957	\$ 1,952	\$ 1,992	\$ 2,031	\$ 2,072	\$ 2,113	\$ 2,156	\$ 2,199	\$ 2,243	\$ 2,288	\$ 2,333	
Total Non-Capturable Taxes			4.9880	4.3200	\$ -	\$ -	\$ -	\$ 3,292	\$ 7,473	\$ 17,087	\$ 22,944	\$ 23,402	\$ 23,870	\$ 48,694	\$ 49,670	\$ 50,662	\$ 51,675	\$ 52,708	\$ 53,764	\$ 54,838	\$ 55,935	\$ 57,054	\$ 58,195	
Total Tax Increment Revenue (TIR) Available for Capture			\$ -	\$ -	\$ -	\$ -	\$ 32,549	\$ 73,886	\$ 168,943	\$ 226,842	\$ 231,379	\$ 236,007	\$ 481,454	\$ 491,081	\$ 500,903	\$ 510,923	\$ 521,139	\$ 531,562	\$ 542,193	\$ 553,038	\$ 564,098	\$ 575,382		

Footnotes:

1. Parcels 3, 4, and 5 of the MITC Redevelopment Area comprise the Gun Range Parcels Project. All three parcels fall within Northville Township.

2. The Gun Range Parcels are owned by NTBRA; therefore the base taxable value is \$0.

3. Assumes construction begins on Parcel 3 in 2021 and is complete in 2022. Construction on Parcel 5 begins in 2022 and is complete in 2023. The first year of tax capture is 2022.

4. The estimated taxable value is equivalent to the investment amount per year multiplied by 33% plus the taxable value of the year prior with a 2% inflation rate.

5. Northville Township millages reflective of Winter 2018 and Summer 2019. Winter 2019 millages for Northville Township were not available. Plymouth Township millages reflective of Summer and Winter 2019.

6. An industrial facilities tax (IFT) abatement is active for the first six years of taxation (yellow shading). 50% of the SET and local millages is capturable during this time.



TABLE 3A-2.
Tax Increment Revenue Capture Estimates - Gun Range Parcels
MITC Redevelopment Area
Northville Township, Michigan
11/7/2019

Estimated Taxable Value (TV) Increase Rate:																		
Northville Township Parcels ¹			Plan Year	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
Calendar Year			2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050			
Base Taxable Value ²			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Estimated New TV ^{3,4}			\$ 11,900,347	\$ 12,138,354	\$ 12,381,121	\$ 12,628,743	\$ 12,881,318	\$ 13,138,944	\$ 13,401,723	\$ 13,669,757	\$ 13,943,152	\$ 14,222,015	\$ 14,506,455	\$ 14,796,584	\$ 15,092,516			
Incremental Difference (New TV - Base TV)			\$ 11,900,347	\$ 12,138,354	\$ 12,381,121	\$ 12,628,743	\$ 12,881,318	\$ 13,138,944	\$ 13,401,723	\$ 13,669,757	\$ 13,943,152	\$ 14,222,015	\$ 14,506,455	\$ 14,796,584	\$ 15,092,516			
Plymouth Township Parcels ¹			Plan Year	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
Calendar Year			2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050			
Base Taxable Value ²			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Estimated New TV ^{3,4}			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Incremental Difference (New TV - Base TV)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
State Capture ^{5,6}			Northville Township Millage Rate	Plymouth Township Millage Rate														
State Education Tax (SET)			6.0000	6.0000	\$ 71,402	\$ 72,830	\$ 74,287	\$ 75,772	\$ 77,288	\$ 78,834	\$ 80,410	\$ 82,019	\$ 83,659	\$ 85,332	\$ 87,039	\$ 88,780	\$ 90,555	\$ 1,807,546
School Operating Tax			18.0000	18.0000	\$ 214,206	\$ 218,490	\$ 222,860	\$ 227,317	\$ 231,864	\$ 236,501	\$ 241,231	\$ 246,056	\$ 250,977	\$ 255,996	\$ 261,116	\$ 266,339	\$ 271,665	\$ 5,422,635
State Total			24.0000	24.0000	\$ 285,608	\$ 291,320	\$ 297,147	\$ 303,089	\$ 309,152	\$ 315,335	\$ 321,641	\$ 328,075	\$ 334,636	\$ 341,328	\$ 348,155	\$ 355,119	\$ 362,220	\$ 7,230,181
Local Capture ^{5,6}			Northville Township Millage Rate	Plymouth Township Millage Rate														
School Sinking Fund			0.9519	0.0000	\$ 11,328	\$ 11,554	\$ 11,786	\$ 12,021	\$ 12,262	\$ 12,507	\$ 12,757	\$ 13,012	\$ 13,272	\$ 13,538	\$ 13,809	\$ 14,085	\$ 14,367	\$ 286,769
Community College			2.2516	2.2516	\$ 26,795	\$ 27,331	\$ 27,877	\$ 28,435	\$ 29,004	\$ 29,584	\$ 30,175	\$ 30,779	\$ 31,394	\$ 32,022	\$ 32,663	\$ 33,316	\$ 33,982	\$ 678,311
RESA Operating			0.0965	0.0965	\$ 1,148	\$ 1,171	\$ 1,195	\$ 1,219	\$ 1,243	\$ 1,268	\$ 1,293	\$ 1,319	\$ 1,346	\$ 1,372	\$ 1,400	\$ 1,428	\$ 1,456	\$ 29,071
RESA Special Education			3.3678	3.3678	\$ 40,078	\$ 40,880	\$ 41,697	\$ 42,531	\$ 43,382	\$ 44,249	\$ 45,134	\$ 46,037	\$ 46,958	\$ 47,897	\$ 48,855	\$ 49,832	\$ 50,829	\$ 1,014,575
RESA Enhancement			2.0000	2.0000	\$ 23,801	\$ 24,277	\$ 24,762	\$ 25,257	\$ 25,763	\$ 26,278	\$ 26,803	\$ 27,340	\$ 27,886	\$ 28,444	\$ 29,013	\$ 29,593	\$ 30,185	\$ 602,515
County Operating			6.6380	6.6380	\$ 78,995	\$ 80,574	\$ 82,186	\$ 83,830	\$ 85,506	\$ 87,216	\$ 88,961	\$ 90,740	\$ 92,555	\$ 94,406	\$ 96,294	\$ 98,220	\$ 100,184	\$ 1,999,750
HCMA			0.2117	0.2117	\$ 2,519	\$ 2,570	\$ 2,621	\$ 2,674	\$ 2,727	\$ 2,782	\$ 2,837	\$ 2,894	\$ 2,952	\$ 3,011	\$ 3,071	\$ 3,132	\$ 3,195	\$ 63,776
County Jail			0.9381	0.9381	\$ 11,164	\$ 11,387	\$ 11,615	\$ 11,847	\$ 12,084	\$ 12,326	\$ 12,572	\$ 12,824	\$ 13,080	\$ 13,342	\$ 13,609	\$ 13,881	\$ 14,158	\$ 282,612
County Parks			0.2459	0.2459	\$ 2,926	\$ 2,985	\$ 3,045	\$ 3,105	\$ 3,168	\$ 3,231	\$ 3,295	\$ 3,361	\$ 3,429	\$ 3,497	\$ 3,567	\$ 3,638	\$ 3,711	\$ 74,080
Library Operating			1.1077	1.4535	\$ 13,182	\$ 13,446	\$ 13,715	\$ 13,989	\$ 14,269	\$ 14,554	\$ 14,845	\$ 15,142	\$ 15,445	\$ 15,754	\$ 16,069	\$ 16,390	\$ 16,718	\$ 333,705
Township Operating			0.7682	0.8134	\$ 9,142	\$ 9,325	\$ 9,511	\$ 9,701	\$ 9,895	\$ 10,093	\$ 10,295	\$ 10,501	\$ 10,711	\$ 10,925	\$ 11,144	\$ 11,367	\$ 11,594	\$ 231,425
Public Safety			6.0112	4.3750	\$ 71,535	\$ 72,966	\$ 74,425	\$ 75,914	\$ 77,432	\$ 78,981	\$ 80,560	\$ 82,172	\$ 83,815	\$ 85,491	\$ 87,201	\$ 88,945	\$ 90,724	\$ 1,810,920
Shared Services			0.7283	0.0000	\$ 8,667	\$ 8,840	\$ 9,017	\$ 9,198	\$ 9,382	\$ 9,569	\$ 9,761	\$ 9,956	\$ 10,155	\$ 10,358	\$ 10,565	\$ 10,777	\$ 10,992	\$ 219,408
Local Total			25.3169	22.3915	\$ 301,280	\$ 307,306	\$ 313,452	\$ 319,721	\$ 326,117	\$ 332,638	\$ 339,288	\$ 346,077	\$ 352,998	\$ 360,057	\$ 367,260	\$ 374,604	\$ 382,095	\$ 7,626,915
Non-Capturable Millages ³			Northville Township Millage Rate	Plymouth Township Millage Rate														
School Debt			3.6400	4.0200	\$ 43,317	\$ 44,184	\$ 45,067	\$ 45,969	\$ 46,888	\$ 47,826	\$ 48,782	\$ 49,758	\$ 50,753	\$ 51,768	\$ 52,803	\$ 53,860	\$ 54,937	\$ 1,096,577
Property Bond			1.0480	0.0000	\$ 12,472	\$ 12,721	\$ 12,975	\$ 13,235	\$ 13,500	\$ 13,770	\$ 14,045	\$ 14,326	\$ 14,612	\$ 14,905	\$ 15,203	\$ 15,507	\$ 15,817	\$ 315,718
WC Zoo			0.1000	0.1000	\$ 1,190	\$ 1,214	\$ 1,238	\$ 1,263	\$ 1,288	\$ 1,314	\$ 1,340	\$ 1,367	\$ 1,394	\$ 1,422	\$ 1,451	\$ 1,480	\$ 1,509	\$ 30,126
WC DIA			0.2000	0.2000	\$ 2,380	\$ 2,428	\$ 2,476	\$ 2,526	\$ 2,576	\$ 2,628	\$ 2,680	\$ 2,734	\$ 2,789	\$ 2,844	\$ 2,901	\$ 2,959	\$ 3,019	\$ 60,251
Total Non-Capturable Taxes			4.9880	4.3200	\$ 59,359	\$ 60,547	\$ 61,756	\$ 62,993	\$ 64,252	\$ 65,538	\$ 66,847	\$ 68,185	\$ 69,548	\$ 70,939	\$ 72,358	\$ 73,806	\$ 75,282	\$ 1,502,672
Total Tax Increment Revenue (TIR) Available for Capture			\$ 586,888	\$ 598,626	\$ 610,599	\$ 622,810	\$ 635,269	\$ 647,973	\$ 660,929	\$ 674,152	\$ 687,634	\$ 701,385	\$ 715,415	\$ 729,723	\$ 744,315	\$ 14,857,096		

Footnotes:
1. Parcels 3, 4, and 5 of the MITC Redevelopment Area comprise the Gun Range Parcels Project. A
2. The Gun Range Parcels are owned by NTBRA; therefore the base taxable value is \$0.
3. Assumes construction begins on Parcel 3 in 2021 and is complete in 2022. Construction on Parc
4. The estimated taxable value is equivalent to the investment amount per year multiplied by 33%
5. Northville Township millages reflective of Winter 2018 and Summer 2019. Winter 2019 millage:
6. An industrial facilities tax (IFT) abatement is active for the first six years of taxation (yellow sha



TABLE 3B-2.
Tax Increment Revenue Reimbursement Allocation Table
Gun Range Parcels
MITC Redevelopment Area
Northville Township, Michigan
11/7/2019

Developer Maximum Reimbursement	Proportionality	School & Local Taxes	Local-Only Taxes	Total
State	50.9%	\$ 1,201,733	\$ -	\$ 1,201,733
Local	49.1%	\$ 1,160,178	\$ -	\$ 1,160,178
TOTAL		\$ 2,361,911	\$ -	\$ 2,361,911
EGLE	20.1%	\$ 475,000	\$ -	\$ 475,000
MSF	79.9%	\$ 1,886,911	\$ -	\$ 1,886,911

Estimated Capture	
Administrative Fees	\$ 1,157,980
State Revolving Fund	\$ 686,091
LBRF	\$ -
Estimated Total Years of Plan:	
26	

Plan Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total State Incremental Revenue	\$ -	\$ -	\$ -	\$ 15,840	\$ 35,957	\$ 82,216	\$ 110,392	\$ 112,600	\$ 114,852	\$ 234,299	\$ 238,984	\$ 243,764	\$ 248,639	\$ 253,612	\$ 258,684
State Brownfield Revolving Fund (50% of SET)	\$ -	\$ -	\$ -	\$ 1,980	\$ 4,495	\$ 10,277	\$ 13,799	\$ 14,075	\$ 14,357	\$ 29,288	\$ 29,873	\$ 30,471	\$ 31,080	\$ 31,702	\$ 32,336
State TIR Available for Reimbursement	\$ -	\$ -	\$ -	\$ 13,860	\$ 31,462	\$ 71,939	\$ 96,593	\$ 98,525	\$ 100,496	\$ 205,012	\$ 209,111	\$ 213,294	\$ 217,559	\$ 221,911	\$ 226,349
Total Local Incremental Revenue	\$ -	\$ -	\$ -	\$ 16,709	\$ 37,930	\$ 86,727	\$ 116,450	\$ 118,779	\$ 121,155	\$ 247,155	\$ 252,097	\$ 257,139	\$ 262,284	\$ 267,527	\$ 272,878
BRA Administrative Fee (20%)	\$ -	\$ -	\$ -	\$ 3,342	\$ 7,586	\$ 17,345	\$ 23,290	\$ 23,756	\$ 24,231	\$ 49,431	\$ 50,419	\$ 51,428	\$ 52,457	\$ 53,505	\$ 54,576
Local TIR Available for Reimbursement	\$ -	\$ -	\$ -	\$ 13,367	\$ 30,344	\$ 69,382	\$ 93,160	\$ 95,023	\$ 96,924	\$ 197,724	\$ 201,678	\$ 205,711	\$ 209,827	\$ 214,022	\$ 218,302
Total State & Local TIR Available for Reimbursement	\$ -	\$ -	\$ -	\$ 27,227	\$ 61,806	\$ 141,321	\$ 189,753	\$ 193,548	\$ 197,420	\$ 402,736	\$ 410,789	\$ 419,005	\$ 427,386	\$ 435,933	\$ 444,651
MITC Redevelopment Area	Beginning Balance														
Michigan International Technology Center Redevelopment Autho	\$ 2,361,911	\$ 2,361,911	\$ 2,361,911	\$ 2,361,911	\$ 2,334,684	\$ 2,272,878	\$ 2,131,557	\$ 1,941,804	\$ 1,764,180	\$ 1,724,696	\$ 1,644,149	\$ 1,561,991	\$ 1,478,190	\$ 1,392,713	\$ 1,305,527
MSF Non-Environmental Costs- Infrastructure Only ¹	\$ 1,886,911	\$ -	\$ -	\$ -	\$ 5,445	\$ 12,361	\$ 28,264	\$ 37,951	\$ 38,710	\$ 39,484	\$ 80,547	\$ 82,158	\$ 83,801	\$ 85,477	\$ 87,186
State Tax Reimbursement	\$ 960,528	\$ -	\$ -	\$ -	\$ 2,772	\$ 6,292	\$ 14,388	\$ 19,319	\$ 19,705	\$ 20,099	\$ 41,002	\$ 41,822	\$ 42,659	\$ 43,512	\$ 44,382
Local Tax Reimbursement	\$ 926,383	\$ -	\$ -	\$ -	\$ 2,673	\$ 6,069	\$ 13,876	\$ 18,632	\$ 19,005	\$ 19,385	\$ 39,545	\$ 40,336	\$ 41,142	\$ 41,965	\$ 42,804
Total Available for Infrastructure Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ 5,445	\$ 17,806	\$ 46,070	\$ 84,021	\$ 122,731	\$ 162,215	\$ 242,762	\$ 324,920	\$ 408,721	\$ 494,198	\$ 581,384
EGLE Environmental Costs	\$ 475,000	\$ -	\$ -	\$ -	\$ 21,782	\$ 49,445	\$ 113,057	\$ 151,802	\$ 138,914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Tax Reimbursement	\$ 241,205	\$ -	\$ -	\$ -	\$ 11,088	\$ 25,170	\$ 57,551	\$ 77,274	\$ 70,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Reimbursement	\$ 233,795	\$ -	\$ -	\$ -	\$ 10,694	\$ 24,275	\$ 55,506	\$ 74,528	\$ 68,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total EGLE Reimbursement Balance	\$ 475,000	\$ 475,000	\$ 475,000	\$ 453,218	\$ 403,773	\$ 290,716	\$ 138,914	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MSF Non-Environmental Costs - Developer Activities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Tax Reimbursement		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Reimbursement		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total MSF Reimbursement Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Only Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Local Only Reimbursement Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Annual Reimbursement	\$ 2,361,911	\$ -	\$ -	\$ -	\$ 27,227	\$ 61,806	\$ 141,321	\$ 189,753	\$ 177,624	\$ 39,484	\$ 80,547	\$ 82,158	\$ 83,801	\$ 85,477	\$ 87,186
LOCAL BROWNFIELD REVOLVING FUND															
LBRF Deposits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Tax Capture	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Capture	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Footnotes:
1. 20% of total generated TIR is taken for reimbursement of MITC Instrastructure costs.



TABLE 3B-2.
Tax Increment Revenue Reimbursement Allocation Table
Gun Range Parcels
MITC Redevelopment Area
Northville Township, Michigan
11/7/2019

	15	16	17	18	19	20	21	22	23	24	25	26	TOTAL
	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	
Total State Incremental Revenue	\$ 263,857	\$ 269,135	\$ 274,517	\$ 280,008	\$ 285,608	\$ 291,320	\$ 297,147	\$ 303,089	\$ 309,152	\$ 315,335	\$ 321,641	\$ 328,075	\$ -
State Brownfield Revolving Fund (50% of SET)	\$ 32,982	\$ 33,642	\$ 34,315	\$ 35,001	\$ 35,701	\$ 36,415	\$ 37,144	\$ 37,886	\$ 38,644	\$ 39,417	\$ 40,205	\$ 41,010	\$ 686,091
State TIR Available for Reimbursement	\$ 230,875	\$ 235,493	\$ 240,203	\$ 245,007	\$ 249,907	\$ 254,905	\$ 260,004	\$ 265,203	\$ 270,508	\$ 275,918	\$ 281,436	\$ 287,066	\$ 4,802,636
Total Local Incremental Revenue	\$ 278,336	\$ 283,903	\$ 289,581	\$ 295,374	\$ 301,280	\$ 307,306	\$ 313,452	\$ 319,721	\$ 326,117	\$ 332,638	\$ 339,288	\$ 346,077	\$ 5,789,901
BRA Administrative Fee (20%)	\$ 55,667	\$ 56,781	\$ 57,916	\$ 59,075	\$ 60,256	\$ 61,461	\$ 62,690	\$ 63,944	\$ 65,223	\$ 66,528	\$ 67,858	\$ 69,215	\$ 1,157,980
Local TIR Available for Reimbursement	\$ 222,669	\$ 227,122	\$ 231,665	\$ 236,299	\$ 241,024	\$ 245,845	\$ 250,762	\$ 255,777	\$ 260,894	\$ 266,110	\$ 271,430	\$ 276,862	\$ 4,631,923
Total State & Local TIR Available for Reimbursement	\$ 453,544	\$ 462,615	\$ 471,868	\$ 481,306	\$ 490,931	\$ 500,750	\$ 510,766	\$ 520,980	\$ 531,402	\$ 542,028	\$ 552,866	\$ 563,928	\$ 9,434,559
MITC Redevelopment Area													
Michigan International Technology Center Redevelopment Autho	\$ 1,125,888	\$ 1,033,365	\$ 938,991	\$ 842,730	\$ 744,544	\$ 644,394	\$ 542,241	\$ 438,045	\$ 331,764	\$ 223,358	\$ 112,785	\$ -	
MSF Non-Environmental Costs- Infrastructure Only ¹	\$ 90,709	\$ 92,523	\$ 94,374	\$ 96,261	\$ 98,186	\$ 100,150	\$ 102,153	\$ 104,196	\$ 106,281	\$ 108,406	\$ 110,573	\$ 112,785	\$ 1,886,911
State Tax Reimbursement	\$ 46,175	\$ 47,099	\$ 48,041	\$ 49,001	\$ 49,981	\$ 50,981	\$ 52,001	\$ 53,041	\$ 54,102	\$ 55,184	\$ 56,287	\$ 57,413	\$ 960,528
Local Tax Reimbursement	\$ 44,534	\$ 45,424	\$ 46,333	\$ 47,260	\$ 48,205	\$ 49,169	\$ 50,152	\$ 51,155	\$ 52,179	\$ 53,222	\$ 54,286	\$ 55,372	\$ 926,383
Total Available for Infrastructure Reimbursemer	\$ 761,023	\$ 853,546	\$ 947,920	\$ 1,044,181	\$ 1,142,367	\$ 1,242,517	\$ 1,344,670	\$ 1,448,866	\$ 1,555,147	\$ 1,663,553	\$ 1,774,126	\$ 1,886,911	\$ 1,886,911
EGLE Environmental Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000
State Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 241,205
Local Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 233,795
Total EGLE Reimbursement Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MSF Non-Environmental Costs - Developer Activities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total MSF Reimbursement Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Only Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Local Only Reimbursement Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Annual Reimbursement	\$ 90,709	\$ 92,523	\$ 94,374	\$ 96,261	\$ 98,186	\$ 100,150	\$ 102,153	\$ 104,196	\$ 106,281	\$ 108,406	\$ 110,573	\$ 112,785	\$ 2,361,911
LOCAL BROWNFIELD REVOLVING FUND													
LBRF Deposits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Tax Capture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Local Tax Capture	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Footnotes:
1. 20% of total generated TIR is taken for reimburser



*Passionate People Building
and Revitalizing our World*



**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.4
HENRY FORD HOSPITAL PROJECT PUD
AMENDMENTS
RESOLUTION #2019-12-10-110**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: First Amendment to Plymouth Marketplace PUD Contract, **Resolution #2019-12-10-110**

PRESENTER: Attorney Kevin Bennett, Planner Laura Haw

BACKGROUND:

On November 4, 2016, the township and Parck Plaza Shopping Center, L.L.C. entered into a PUD contract with respect to the old Kmart property on Ann Arbor Road. The PUD contract did not permit a medical office as a permitted use of the property. Since that time, Henry Ford Hospital has expressed interest in using the property as a medical office. The proposed amendment to the PUD would allow such use. The proposed amendment also adds Henry Ford Health System as a party and signatory to the PUD Contract.

Laura Haw has some comments regarding certain portions of the proposed amendment from a planning standpoint.

It must be noted that the amendment provides that although the designated use of the principal building is a medical office for purposes of site plan, permits, impact fees, etc., the water tap fees shall be calculated under the "office building" category contained in the township's current published use factor schedule. A copy of the pertinent portion of the water and sewer ordinance is attached to show the difference in water tap fees between "clinic" and "office building."

ACTION REQUESTED:

To authorize the supervisor and the clerk to sign the first amendment to the Plymouth Marketplace PUD Contract subject to final approval by the township attorney and the community planner.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-110** authorizing the supervisor and the clerk to sign the first amendment to the Plymouth Marketplace PUD Contract subject to final approval by the township attorney and the community planner.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey

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

**RESOLUTION TO AUTHORIZE THE FIRST AMENDMENT TO PLYMOUTH
MARKETPLACE PUD CONTRACT**

RESOLUTION #2019-12-10-110

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on December 10, 2019, the following resolution was offered:

WHEREAS, On November 4, 2016, the township and Parck Plaza Shopping Center, L.L.C. entered into a PUD contract with respect to the old Kmart property on Ann Arbor Road. The PUD contract did not permit a medical office as a permitted use of the property, and;

WHEREAS, Henry Ford Hospital has since expressed interest in using the property as a medical office. The proposed amendment to the PUD would allow such use, and;

WHEREAS, the proposed amendment also adds Henry Ford Health System as a party and signatory to the PUD Contract, and;

WHEREAS, the amendment provides that although the designated use of the principal building is a medical office for purposes of site plan, permits, impact fees, etc., the water tap fees shall be calculated under the "office building" category contained in the township's current published use factor schedule.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-110** authorizing the supervisor and the clerk to sign the first amendment to the Plymouth Marketplace PUD Contract subject to final approval by the township attorney and the community planner.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey

FIRST AMENDMENT
TO
PLYMOUTH MARKETPLACE
PLANNED UNIT DEVELOPMENT AGREEMENT

Between

PLYMOUTH TOWNSHIP

&

PARCK PLAZA SHOPPING CENTER, L.L.C.

FIRST AMENDMENT
TO
PLYMOUTH MARKETPLACE
PLANNED UNIT DEVELOPMENT AGREEMENT
Between

PLYMOUTH TOWNSHIP
&
PARCK PLAZA SHOPPING CENTER L.L.C.,

This First Amendment (“First Amendment”) is made effective as of this ____ day of _____, _____ (the “Effective Date”), to the Plymouth Marketplace Planned Unit Development Agreement dated November 4, 2016, (the “Agreement”) and recorded at Liber 53366, Page 973 of Wayne County Records, Register of Deeds, on November 21, 2016, between the Charter Township of Plymouth, a Charter Township (“Township”), Parck Plaza Shopping Plaza, L.L.C., a Michigan limited liability company (“Proprietor”), Henry Ford Health System, a Michigan non-profit corporation (“Henry Ford”) doing business at One Ford Place, 5B, Detroit, MI 48303-3450, and Ann Arbor Road Outlot LLC, a Michigan limited liability company, (“AAR Outlot”) located at 28470 Thirteen Mile Road, Suite 220, Farmington Hills, MI 48334. Reference to a specific party herein shall be by its name, but they parties may be referenced collectively as “Parties”. The First Amendment is made pursuant to Paragraph 12 of the Agreement.

RECITALS

- A. As contemplated in the Agreement, after the execution of the Agreement the Proprietor attracted and identified prospective permitted uses and users to the Property that will effectuate intentions of the Agreement and enhance the benefit to the community, including but not limited to a Medical Office as the principal building. As a result, Proprietor has conveyed to Henry Ford Health System Parcels B and C described and depicted on Exhibit A-1. Proprietor has also conveyed to AAR Outlot Parcel A, described and depicted on Exhibit A-2, accordingly necessitating the addition of Henry Ford and AAR Outlot as parties to the PUD Agreement.
- B. Also, as contemplated in Paragraph 2 the Agreement, the Property will be developed pursuant to General Development Plan attached to the PUD Agreement as Exhibit B, subject to the modifications provided in the PUD Agreement, as amended. As provided in Paragraph 8.4 of the PUD Agreement, the General Development Plan will serve as the basis for the Final Development Plan.

- C. It is in the interest of the Parties to amend certain terms of the Agreement and further identify any related modifications provided under the Agreement, as amended, included in and underlying the General Development Plan as the basis for the Township's review and approval of the Final Development Plan for the Property.
- D. The Township, the Proprietor, Henry Ford and AAR Outlot believe it is in their mutual best interest to enter into this First Amendment.

AGREEMENT

NOW THEREFORE, in consideration of the foregoing Recitals and the mutual covenants of the Township, the Proprietor, Henry Ford and AAR Outlot, the receipt and sufficiency of is hereby acknowledged, the Township, the Proprietor, Henry Ford and AAR Outlot hereby agree that the Agreement shall be amended as follows:

1. Henry Ford and AAR Outlot are hereby included as parties to the PUD Agreement, as amended.
2. The General Development Plan attached as Exhibit B to the PUD Agreement as the Approved General Development Plan remains in effect. The Master Sign Plan attached hereto as Exhibit D hereby substitutes the Master Sign Plan attached to the PUD Agreement as Exhibit D. Pursuant to the Agreement, as amended, the Approved General Development Plan and Master Sign Plan shall control as to the review and approval of a Final Development Plan in terms of all aspects of the construction and development of the Property, including but not limited to the depictions and/or notations of dimensions, alignment and locations of infrastructure (parking lot, parking spaces, landscaping islands or areas, the square footage of buildable areas with a new total of approximately 132,500 allowable square feet for all buildings combined, heights of buildings including parapets and screening, etc.), and the Master Sign Plan for the location and size of monument, directional and wall signage. While the locations, design and alignments of the curb cuts depicted are included as part of the General Development Plan, their ultimate location, design, alignment and permitted movements will be subject to the jurisdiction and approval of Wayne County and/or the State of Michigan Department of Transportation, where applicable, in their sole discretion.
3. The Temporary Sign Plan attached to the PUD Agreement as Exhibit E was initially designed prior to the conveyances to Henry Ford and AAR Outlot, and will be revised pursuant to the Township's approval of the Final

Development Plan, which plan will substitute and replace the Temporary Sign Plan attached as Exhibit E.

4. The designated use of the principal building shall be considered by Plymouth Township in its review of the site plan, permits, impact fees and any related or necessary applications as Medical Office. Tap fees shall be calculated under the "Office Building" category contained in the Township's current published Use Factor Schedule.
5. To the extent certain aspects of the Approved General Development Plan and the Master Sign Plan, as amended, require additional modifications under the Township's Zoning Ordinance or Sign Ordinance, including any applicable overlay or other requirements, such modifications are hereby approved. As depicted on the Approved General Development Plan (Exhibit B) and the Master Sign Plan (Exhibit D), as amended, the additional approved modifications shall include:
 - a. The height of the building shall be allowed up to approximately fifty feet (50'+/-).
 - b. The height of any parapet or material used for screening mechanical equipment located on top of the principal building on the site is allowed up to approximately sixty feet (60'+/-).
 - c. The number and alignment of parking spaces and aisles as depicted on the Approved General Development Plan, as amended, including any dimensional reductions in buffer areas adjacent to a public right of way.
 - d. The plan for monument, directional and wall signage, for any placement and/or size that may exceed or vary from the Township's applicable ordinance.
6. The PUD will be constructed in a non-phased manner contrary to the provisions of Paragraph 2.1 of the original PUD Agreement, therefore Exhibit C, as attached to the original PUD Agreement is hereby deleted.
7. The Exhibits to the PUD Agreement, as amended are:
 - a. Exhibit A: Legal Description of entire parent parcel.
 - b. Exhibit A-1: Legal Description of parcels conveyed to Henry Ford.
 - c. Exhibit A-2: Legal Description of parcel conveyed to AAR Outlot.
 - d. Exhibit B: Approved General Development Plan.
 - e. Exhibit C: Deleted.
 - f. Exhibit D: Master Sign Plan.
 - g. Exhibit E: Temporary Sign Plan.

8. All other terms and conditions of the Agreement not amended herein are hereby specifically ratified and affirmed.

WITNESSES:

Charter Township of Plymouth

Kurt Heise, Supervisor

Jerry Vorva, Clerk

PARCK PLAZA SHOPPING CENTER, LLC

William Eisenberg, Authorized Agent

HENRY FORD HEALTH SYSTEMS, INC.

ANN ARBOR ROAD OUTLOT, LLC

William Eisenberg, Authorized Agent

NOTARY ATTESTEATIONS

State of Michigan)
County of Wayne)

Acknowledged before me in Wayne County, Michigan on _____ by Kurt Heise, Supervisor of Plymouth Township, and Jerry Vorva, Clerk of Plymouth Township, a Michigan Charter Township, on behalf of the Township.

Notary Public, State of Michigan, County of Wayne
My commission expires _____.

State of Michigan)
 County of Oakland)

Acknowledged before me in Oakland County, Michigan on _____ by
 William Eisenberg, as Authorized Agent of Parck Plaza Shopping Center, LLC, a
 Michigan limited liability company, and as Authorized Agent of Ann Arbor Road
 Outlot, LLC, a Michigan limited liability company.

 Notary Public, State of Michigan, County of Oakland
 My commission expires _____.

State of Michigan)
 County of Oakland)

Acknowledged before me in Oakland County, Michigan on _____ by
 _____, _____, the _____ on
 behalf of Henry Ford Health System, a Michigan non-profit corporation.

 Notary Public, State of Michigan, County of Oakland
 My commission expires _____.

X-16

Charter Township of Plymouth - Water and Sewer

developer or subdivider on a per unit basis at the time of application for a building permit. If modifications in a subdivision or development are approved after payment of the initial use factor fee which change the total number of units in the subdivision or development for which use factor fees are payable, the subdivider or developer shall pay any increased use factor fees immediately as a condition of the approval of the change, and any decrease in use factor fees payable shall be credited against the final amount due on the installment balance.

X-3.055. Use Factor Schedule.

(A) Use factor units for the fees enumerated in Sections X-3.04 and X-3.050 will be calculated as follows:

Apartments	0.60 units per apartment dwelling unit
Auto car wash	10.00 units per production line
Auto car wash (self serve)	2.50 unit per stall
Auto dealers (new cars)	0.30 unit per 1,000 sq. ft.
Barber shops	1.00 unit plus 0.10 unit per chair
Bars	1.70 unit per 1,000 sq. ft.
Beauty shops	1.00 unit plus 0.15 unit per booth/chair
Bowling alleys (excluding bar or restaurant)	1.00 unit plus 0.10 unit per lane
Churches	0.10 unit per 1,000 sq. ft.
Cleaners	1.00 unit per 1,000 sq. ft.
Clinics	1.00 unit plus 0.50 unit per examining room
Convalescent homes	1.00 unit plus 0.50 unit per bed
Factories / Manufacturing	0.50 unit per 1,000 sq. ft.
Fitness center / health club without showers & pool	0.30 unit per 1,000 sq. ft.
Fitness center/ health club with showers & pool	2.00 unit per 1,000 sq. ft.
Fraternal organizations	2.00 unit per dwelling
Funeral homes	2.50 unit per dwelling
Grocery store & supermarkets	0.30 unit per 1,000 sq. ft.
Hospitals	1.00 unit plus 0.75 per unit per bed
Hotels and motels (not including restaurants, bar or pools)	0.70 unit per room

Water and Sewer System

X-17

Laundry (self serve)	5.00 unit per 1,000 sq. ft
Multiple family residence	1.00 unit per dwelling unit
Office buildings	0.15 unit per 1,000 sq. ft
Public schools (without pool)	0.20 unit per classroom
Research and engineering	0.20 unit per 1,000 sq. ft
Restaurants	1.70 unit per 1,000 sq. ft. including kitchen
School daycare	0.60 unit per classroom
Service stations	1.00 unit plus 0.15 unit per pump
Single family residence	1.00 unit per dwelling
Stores (Other than specifically listed)	0.25 unit per 1,000 sq. ft.
Storage / Warehouse Facilities	0.10 unit per 1,000 sq. ft.
Swimming pools (residential excluded)	3.00 unit per 1,000 sq. ft. of pool and service building/locker area
Theaters (inside)	1.00 unit plus 0.01 unit per seat
Trailer parks	0.60 unit per trailer space
Uses in industrial zoned areas excepting areas for: A) research and engineering uses, or B) approved special uses or planned unit developments.	0.25unit per 1,000 sq. ft.

(B) When primary uses contain other secondary uses the total factor shall be the summation of the applicable separate factors, (e.g.: bowling alley factor + bar factor + restaurant factor = total factor). Use factors for uses that do not, in the township's opinion, fit the descriptions listed above will be determined by the Township Board.

X-3.056. Transition Rules For Water and Sewer Benefit Charges Amendments.

Amended water and sewer benefit charges shall apply to all new construction for which benefit charges have not yet been paid. If benefit charges for a single family residence, subdivision or development have been paid in part and an installment balance remains, the fees for the installment balance shall be calculated in the same manner as the initial payment; provided, however, that modifications in a subdivision or development, and additions to a building or structure after the effective date of the amendatory ordinance shall be assessed benefit charges as provided for in the amendatory ordinance.

X-3.060. Industrial Waste Control (I.W.C.) Charge, Residential Unit Defined.

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.5
GENERAL DRIVE HEARING OF
ASSESSMENT**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: **December 10, 2019**

<u>ITEM:</u> General Drive Hearing of Assessment

PRESENTER: **Patrick J. Fellrath, P.E., Director of Public Services**
 George Tsakoff, P.E., OHM Advisors

BACKGROUND:

On June 11, 2019, the Public Hearing of Necessity was conducted for the above referenced SAD and the Township Board authorized Township Engineer (OHM Advisors) to complete final design and solicit bids for the project. Final design is complete and bids were received on December 2, 2019. OHM Advisors has tabulated the bids and will evaluate bids for responsiveness and contractor qualifications. A contract award recommendation will be presented to the Board for approval in January 2020, after the thirty (30) day hold period following tonight's Public Hearing of Assessment.

Pursuant to MCL 41.724a, notice of a public hearing was published twice in a newspaper of general circulation on November 27, 2019 and December 5, 2019. The notice was published in accordance with the law which requires the first notice to be published at least ten days prior to the public hearing.

ACTION REQUESTED:

Hold public hearing.

<u>PROPOSED MOTION:</u> N/A

Public hearing opened at _____ Moved by: _____

Seconded by: _____

Public hearing closed at _____ Moved by: _____

Seconded by: _____

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.6
ADOPTION OF GENERAL DRIVE
RECONSTRUCTION SPECIAL
ASSESSMENT DISTRICT (SAD) AND
ASSESSMENT ROLL
RESOLUTION #2019-12-10-111**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Adoption of General Drive Reconstruction Special Assessment District (SAD) and Assessment Roll, **Resolution #2019-12-10-111**

PRESENTER: Patrick J. Fellrath, P.E., Director of Public Services
George Tsakoff, P.E., OHM Advisors

BACKGROUND:

On June 11, 2019, the public hearing of necessity was conducted for the above referenced SAD and the Township Board authorized Township Engineer (OHM Advisors) to complete final design and solicit bids for the project. Final design is complete and bids were received on December 2, 2019. OHM Advisors has tabulated the bids and will evaluate bids for responsiveness and contractor qualifications. A contract award recommendation will be presented to the board for approval in January 2020, after the thirty (30) day hold period following tonight's public hearing of assessment.

At this time an estimated total project cost of \$1,855,638 is established. A determination was made that the benefit of each parcel shall be based on percent of parcel land area within the special assessment district limit and therefore the potential assessment has been spread proportionately among the three million, seven hundred fifty-seven thousand, nine hundred thirty-four (3,757,934) square feet in the district.

ACTION REQUESTED:

The board is being asked to hold the public hearing of assessment, and approve a resolution establishing the Road Rehabilitation Special Assessment District and confirm the assessment roll for said special assessment district.

BUDGET/ACCOUNT NUMBER:

Please find attached the engineer's estimate in the approximate total project cost amount of \$1,855,638. General Fund 805-805-970.350.

Upon approval by the board, a thirty (30) day period shall be provided to permit any person having an interest in the real property to file a written appeal of the special assessment with the Michigan Tax Tribunal. The project would commence following the 30 day holding period.

ATTACHMENTS:

Resolution, District Map, Roll, Project Cost Summary, Certification.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-111** authorizing the establishment of the General Drive Reconstruction SAD No. _____ and confirming the assessment roll as presented subject to providing a thirty (30) day period to permit any person having interest in the real property to file a written appeal of the special assessment with the Michigan Tax Tribunal.

Moved by: _____ Seconded by: _____

ROLL CALL:

___ Heise, ___ Heitman, ___ Vorva, ___ Clinton, ___ Curmi, ___ Dempsey, ___ Doroshewitz

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

**SPECIAL ASSESSMENT ROLL FOR
GENERAL DRIVE RECONSTRUCTION SPECIAL ASSESSMENT DISTRICT**

RESOLUTION #2019-12-10-111

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, Michigan on December 10, 2019, the following resolution was offered:

WHEREAS, the township board of the Township of Plymouth, Wayne County, Michigan, after due and legal notice, has conducted a public hearing upon a proposed assessment roll prepared by the supervisor and assessing officer of the township for the purpose of defraying a portion of the costs of the Road Reconstruction Project proposed to be installed within the General Drive Special Assessment District as shown on the plans and specifications for such project, and;

WHEREAS, such public hearing was preceded by proper notice in a newspaper of general circulation in the township, and by First Class Mail notice to each property owner of record within said district and upon said assessment roll, and;

WHEREAS, comments were received from those present at such public hearing concerning said assessment roll and opportunity to all present to be heard in the matter, and;

WHEREAS, the oral comments received indicated the reasonableness of the following amendments to said assessment roll if any, and;

WHEREAS, a record of those present to protest, and of written protests submitted at or before the public hearing was made a part of the minutes of the hearing, and;

WHEREAS, it is the opinion of the township board that no further time should be granted for the consideration of the matter because of the time constraints in initiating this project, and;

WHEREAS, the township board has duly, inspected the proposed assessment roll and considered all comment and proposed amendments thereto and has found the proposed assessment roll, as amended, to be correct, just, and reasonable.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The assessment roll submitted by the supervisor of the township shall hereafter be designated as General Drive Reconstruction SAD District No. _____ and shall hereby be confirmed as the assessment roll for Special Assessment District No. _____.
2. The assessments made in said General Drive Assessment Roll No. _____ shall be divided into ten (10) equal annual installments of principal with the first installment to be due on or before _____ and the following installments to be due on or before the _____ day of the same month for each and every year thereafter. All unpaid installments prior to their transfer to the tax roll as provided by the Michigan Public Act 188 of 1954, as amended, shall bear interest payable annually on each installment due date at the rate of four percent (4%) per annum commencing on the first installment due date hereinafter set forth. Any payments made before such first installment due date shall not bear any such interest.
3. Future due installments of an assessment against any parcel of land may be paid to the township treasurer at any time in full with interest accrued through the month in which the final installment is paid in accordance with the Michigan Public Act 188 of 1954, as amended. If any installment of a special assessment is not paid when due, then the installment shall be considered to be delinquent and there shall be collected, in addition to interest as provided by this section, a penalty at the rate of one percent (1%) for each month, or fraction of a month, that the installment remains unpaid before being reported to the township board for assessment upon the township tax roll, also in accordance with said Act 188.
4. The assessments made in said special assessment roll are hereby ordered and directed to be collected by the township treasurer, and said treasurer with his/her warrant attached, commanding the treasurer to collect such assessments in accordance with the direction of the township board and said Public Act 188.
5. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and the same are hereby rescinded.

Moved by: _____ Seconded by: _____

ROLL CALL:

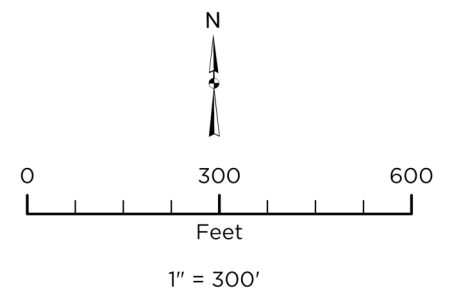
___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz



General Drive S.A.D Limits

Plymouth Township

- SAD Limits
- Parcels/Lots



Source: Data provided by Wayne County. OHM Advisors does not warrant the accuracy of the data and/or the map. This document is intended to depict the approximate spatial location of the mapped features within the Community and all use is strictly at the user's own risk.

Coordinate System: NAD 1983 HARN StatePlane Michigan South FIPS 2113 Int'l Feet

Map Published: October 22, 2018



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

SPECIAL ASSESSMENT DISTRICT TENTATIVE ASSESSMENT ROLL
GENERAL DRIVE SAD - Benefit by Parcel Area

Note:

Total parcel area is provided for those parcels receiving a benefit from General Drive or General Court, regardless of frontage along the road. Tentative assessment is based on proportion of parcel area (of each parcel) to overall area of district.

Tax ID Number	Owner	ADDRESS	FRONTAGE		SIGNED	FRONTAGE OF SIGNED	PARCEL AREA		% OF SIGNED	% of Total Parcel Area	Tentative Assessment
R-78-062-01-0018-001	AMI Group Holdings LLC	0 - GENERAL DR	37.15	ft.	1	37.15	131603.00	Sq ft.	131603	3.50	\$ 47,474
R-78-062-01-0018-002		9120 GENERAL DR	197.86	ft.	1	197.86	105928.00	Sq ft.	105928	2.82	\$ 38,212
R-78-062-01-0020-309	GF Johnson Investments LLC	ANN ARBOR RD/VAC	150.00	ft.	-		19510.00	Sq ft.	-	0.52	\$ 7,038
R-78-062-01-0020-310	Leisure Plaza	42001 ANN ARBOR RD	437.30	ft.	-		166159.00	Sq ft.	-	4.42	\$ 59,940
R-78-062-01-0001-000	NWH Corporation	9401 GENERAL DR	380.47	ft.	1	380.47	171529.00	Sq ft.	171529	4.56	\$ 61,877
R-78-062-01-0019-306	Maplelawn Ventures LLC	9278 GENERAL DR	0.00	ft.	1	0.00	117289.00	Sq ft.	117289	3.12	\$ 42,311
R-78-062-01-0020-701		41999 ANN ARBOR RD	0.00	ft.	1	0.00	190773.00	Sq ft.	190773	5.08	\$ 68,819
R-78-062-01-0019-303		9282 GENERAL DR	483.28	ft.	1	483.28	167008.00	Sq ft.	167008	4.44	\$ 60,246
R-78-062-01-0019-305		GENERAL DR	0.00	ft.	1	0.00	108621.00	Sq ft.	108621	2.89	\$ 39,184
R-78-062-01-0003-503/504	Brozek Property Specialist LLC	9281 GENERAL DR	258.94	ft.	1	258.94	40642.00	Sq ft.	40642	1.08	\$ 14,661
R-78-062-01-0003-002	Sarabel LLC	9271 GENERAL DR	256.29	ft.	1	256.29	40169.00	Sq ft.	40169	1.07	\$ 14,491
R-78-062-01-0019-001	General Drive LLC	9260 GENERAL DR	282.90	ft.	1	282.90	131861.00	Sq ft.	131861	3.51	\$ 47,568
R-78-062-01-0004-000	H B Associates LLC	9229 GENERAL DR	247.79	ft.	-		119975.00	Sq ft.	-	3.19	\$ 43,280
R-78-062-01-0018-003	Perushak, Patricia	9200 GENERAL DR	185.35	ft.	-		101740.00	Sq ft.	-	2.71	\$ 36,702
R-78-062-01-0008-000	HAM Industrials LLC	9101 GENERAL DR	133.07	ft.	-		44359.00	Sq ft.	-	1.18	\$ 16,002
R-78-062-99-0006-000		42225 ANN ARBOR RD	317.45	ft.	-		74407.00	Sq ft.	-	1.98	\$ 26,842
R-78-062-01-0009-000	Net Shaped Solutions	9075 GENERAL DR	262.49	ft.	-		85500.00	Sq ft.	-	2.28	\$ 30,843
R-78-062-01-0017-001	Northland Property Ventures LLC	9070 GENERAL DR	15.43	ft.	-		156210.00	Sq ft.	-	4.16	\$ 56,351
R-78-062-01-0017-003	Molise LLC	9060 GENERAL DR	148.43	ft.	-		66538.00	Sq ft.	-	1.77	\$ 24,003
R-78-062-01-0011-000	BSA Properties LLC	9033 GENERAL DR	229.18	ft.	1	229.18	45572.00	Sq ft.	45572	1.21	\$ 16,440
R-78-062-01-0017-002	Stassinopoulos, Lykourgos	9030 GENERAL DR	248.03	ft.	-		109963.00	Sq ft.	-	2.93	\$ 39,668
R-78-062-01-0016-302	Bawt Reality LLC	9000 GENERAL DR	220.08	ft.	1	220.08	290735.00	Sq ft.	290735	7.74	\$ 104,880
R-78-062-01-0013-300		41600 JOY RD	443.78	ft.	1	443.78	546153.00	Sq ft.	546153	14.53	\$ 197,019
R-78-062-99-0019-704	Westland Industrial Park General Dr	8845 GENERAL DR	238.35	ft.	1	238.35	158187.50	Sq ft.	158187.5	4.21	\$ 57,065
R-78-062-99-0019-705		8835 GENERAL DR	227.30	ft.	1	227.30	178445.00	Sq ft.	178445	4.75	\$ 64,372
R-78-062-01-0012-002	Slivnica	8825 GENERAL DR	155.12	ft.	-		37972.00	Sq ft.	-	1.01	\$ 13,698
R-78-062-01-0005-000	General CT LLC	9165 GENERAL CT	88.18	ft.	-		136995.00	Sq ft.	-	3.65	\$ 49,420
R-78-062-01-0006-000	Crabill, Ben	9145 GENERAL CT	105.69	ft.	-		148578.00	Sq ft.	-	3.95	\$ 53,598
R-78-062-01-0007-000	Arthurs, John W.	9115 GENERAL CT	111.11	ft.	1	111.11	65513.00	Sq ft.	65513	1.74	\$ 23,633
		TOTAL	5861.0	ft.	16	3366.7	3,757,934.5	Sq ft.	2490029	100	\$ 1,355,638

Note: Shading indicates that agent has signed petition.

I. PERCENTAGE BASED ON FRONTAGE (50% = 2,931 Ft.)

SIGNED PETITION
TOTAL FRONTAGE

3,366.7

=

57.4%

5,861.0

II. PERCENTAGE BASED ON PARCEL AREA (50% = 1,878,967.25 Sq. Ft.)

SIGNED PETITION
TOTAL PARCEL AREA

2490028.50

=

66.3%

3757934.50

Updated 12/3/2019

ARCHITECTS. ENGINEERS. PLANNERS.



**Planning Estimate Worksheet
For
Gould Industrial Park (General Drive) Road Reconstruction SAD
Plymouth Township, Wayne County, Michigan
December 10, 2019 Board of Trustees Meeting
Based on Bids submitted December 2, 2019**

SCOPE OF WORK:

27' wide concrete road reconstruction on General Drive and isolated slab replacement on General Ct.

Total Estimated Construction Cost	\$ 1,528,000
Preliminary SAD Planning and Engineering	\$ 24,638
Final Engineering/Design and Bidding Phase	\$ 78,000
Material Testing (by Wayne County or OHM Sub-consultant, TBD)	\$ 35,000
Field Inspection	\$ 75,000
Contract Administration/Construction Engineering	\$ 115,000
Total Estimated Project Cost:	\$ 1,855,638
MDOT Grant Amount:	\$ 500,000

**See Assessment Roll for current assessment amount to each parcel

NOTE: Total Project Cost at time of Public Hearing of Necessity was estimated to be \$1,889,621

1954 PA 188 PROCEEDING CERTIFICATE

To the Clerk and Township Board
Charter Township of Plymouth, Wayne County, Michigan

Dear Officials:

This is to certify that I, Kurt L. Heise, the Supervisor and Assessing Officer of the Charter Township of Plymouth, Wayne County, Michigan, being the person having charge of the assessment roll of said Township, have checked the attached petitions for the pavement reconstruction and rehabilitation project for the General Drive SAD, and I do hereby certify that said petitions have been signed by the record owners of 51% or more of the total front footage within the boundaries as described upon the petitions.

I further certify that the total road front footage within the district equals 5,861 lineal feet. The total front footage signed for by the record owners within the proposed district equals 3,367 lineal feet.

I do hereby certify that the Assessment Roll and all assessment records have been verified with the records of the Register of Deeds for Wayne County, as to the record owners of all property within the Charter Township of Plymouth and along General Drive and General Court, are set forth in said petitions on the date of filing the petitions.

Respectfully submitted,

Kurt L. Heise, Supervisor
Charter Township of Plymouth

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.7
2019-2024 COLLECTIVE BARGAINING
AGREEMENT WITH FIREFIGHTER'S
UNION
RESOLUTION #2019-12-10-112**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, **Resolution #2019-12-10-112**

PRESENTERS: Supervisor Kurt Heise, Chief Dan Phillips

BACKGROUND:

We are requesting that the board approve the Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, for a term beginning April 1, 2019 and ending March 31, 2024. This agreement has been ratified by the union and the signature page is attached. The entire 'red-lined' agreement is included in your electronic packet, and a hard-copy of that document will be in the clerk's office for public review.

ACTION REQUESTED:

Approve the Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, for a term beginning April 1, 2019, and ending March 31, 2024, and authorize the supervisor and clerk to sign same.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-112** authorizing that the board of trustees approve the Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, for a term beginning April 1, 2019, and ending March 31, 2024, and authorize the supervisor and clerk to sign same.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz, ___Heise

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

**RESOLUTION TO AUTHORIZE THE COLLECTIVE BARGAINING AGREEMENT
WITH THE CHARTER TOWNSHIP OF PLYMOUTH PROFESSIONAL
FIREFIGHTER'S ASSOCIATION, IAFF/LOCAL #1496**

RESOLUTION #2019-12-10-112

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, Michigan on December 10, 2019, the following resolution was offered:

WHEREAS, We are requesting that the board approve the Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, for a term beginning April 1, 2019 and ending March 31, 2024, and;

WHEREAS, this agreement has been ratified by the union and the signature page is attached.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-112** authorizing the Collective Bargaining Agreement with the Charter Township of Plymouth Professional Firefighter's Association, IAFF/Local #1496, for a term beginning April 1, 2019, and ending March 31, 2024, and authorizing the supervisor and clerk to sign same.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz, ___Heise

Plymouth Township – IAFF

4/1/~~19~~46 – 3/31/~~24~~19


DRAFT: 11/12/2019

terminating the entire Collective Bargaining Agreement on the expiration date in the same manner as a notice of desire to terminate unless before that date all subjects of amendment proposed by either party have been disposed of by agreement or by withdrawal, by the party proposing amendment.

B. If any negotiations described in Section A above reach an impasse, the procedure described in Act 379 of the Michigan Public Act of 1965 shall be followed.

C. IN WITNESS WHEREOF, the Union and the Employer have caused this Collective Bargaining Agreement to be executed in their names by their duly authorized representatives this ____ day of _____, ~~2019~~2016.

THE CHARTER TOWNSHIP OF
PLYMOUTH PROFESSIONAL
FIREFIGHTER'S ASSOCIATION
I.A.F.F./LOCAL #1496

By: 

Its: President

By: 

Its: Secretary

THE CHARTER TOWNSHIP OF
PLYMOUTH
PLYMOUTH, MICHIGAN

By: _____

Its: Supervisor

By: _____

Its: Clerk

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.8
FOURTH QUARTER BUDGET
AMENDMENTS
RESOLUTION #2019-12-10-113**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: 2019 Budget Amendments - General Fund and Special Revenue Funds,
Resolution #2019-12-10-113

PRESENTERS: Finance Director Ginger Moriarty

BACKGROUND:

The Uniform Budgeting and Accounting Act requires that a township board prepare a budget amendment as soon as it is apparent that a deviation from the original budget is necessary and the amount can be determined. The attached amendments are reflective of activity incurred in the General Fund and Special Revenue Funds since the second quarter 2019 budget amendments were approved on September 24, 2019.

ACTION REQUESTED:

Approve the amendments to the 2019 General Fund and Special Revenue Funds.

ATTACHMENTS:

Proposed Budget Amendments

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-113** authorizing the amendments to the 2019 General Fund budget in the amount of \$16,900.00 and the 2019 Special Revenue Funds budget in the amount of \$1,840.00.

Moved by: _____ Seconded by: _____

ROLL CALL:

___ Vorva, ___ Clinton, ___ Curmi, ___ Dempsey, ___ Doroshewitz, ___ Heise, ___ Heitman

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

2019 BUDGET AMENDMENTS – GENERAL FUND AND SPECIAL REVENUE FUNDS

RESOLUTION #2019-12-10-113

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, Michigan on December 10, 2019, the following resolution was offered:

WHEREAS, the Uniform Budgeting and Accounting Act requires that a township board prepare a budget amendment as soon as it is apparent that a deviation from the original budget is necessary and the amount can be determined, and;

WHEREAS, the referenced amendments are reflective of activity incurred in the General Fund and Special Revenue Funds since the second quarter 2019 budget amendments were approved on September 24, 2019.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-113** authorizing these amendments to the 2019 General Fund budget in the amount of \$16,900.00 and the 2019 Special Revenue Funds budget in the amount of \$1,840.00.

Moved by: _____ Seconded by: _____

ROLL CALL:

___ Vorva, ___ Clinton, ___ Curmi, ___ Dempsey, ___ Doroshewitz, ___ Heise, ___ Heitman

**2019 Fourth Quarter Budget Amendments
General Fund Expenditures**

Department Name	Dept #	2019 Amended Budget	2019 Projected Activity	Adjustment Needed	Amended Budget	Reason for Adjustment			Effect on Fund Balance (Increase Expense)
EXPENDITURES									
Emergency Preparedness	315	17,000	25,500	8,500	25,500	Expenses to repair generator on 10/18/19	\$	8,500	(8,500)
Communications	325	1,645,693	1,654,093	8,400	1,654,093	Expenses related to VIPER higher than anticipated	\$	8,400	(8,400)
TOTAL		\$ 1,662,693	\$ 1,679,593	\$ 16,900	\$ 1,679,593		\$	16,900	(16,900) Amended

12/04/2019 01:58 PM
 User: rbrewer
 DB: Plymouth Townsh

BUDGET NOTES REPORT FOR Charter Township of Plymouth
 2019: 101-325-978.000 (EQUIPMENT PURCHASE)

Page: 1/1

Notes

	2018 Projected	2019 Department	2019 Supervisor	2019 Board	2019 D? Appro
Dispatch furniture 3 positions \$50,000	0.00	50,000.00	0.00	0.00	N
VIPER costs above grant \$ 37,500	0.00	(A) 37,500.00	0.00	0.00	N
Third Dispatch Console from Motorola \$ 65,000	0.00	65,000.00	0.00	0.00	N
Viper covered by SOM Grant (Noble)	0.00	(A) 200,000.00	0.00	0.00	N
2018 Viper	140,000.00	0.00	0.00	0.00	N
45% Viper from State Drug Forfeiture	(64,000.00)	0.00	0.00	0.00	N
L3 DVD Burner	25,500.00	0.00	0.00	0.00	N
Remove Viper from 2018 due to SOM Grant	(76,000.00)	0.00	0.00	0.00	N
PFN Fiber Network for VIPER	0.00	(A) 15,300.00	0.00	0.00	N
	<u>25,500.00</u>	<u>367,800.00</u>	<u>0.00</u>	<u>0.00</u>	

Total Expensed:
 (See attached invoices)

p.2 151,975.00

p.3 109,446.75

(B) 261,421.75

Total Budgeted Σ (A) = 252,800.00

Total Expensed (B) = 261,421.75

8,621.75

NO. MI690584

CONTRACT NO. EB56446105

P.O. NO. KURT HEISE

REFERENCE
CODE CN

REFERENCE
NO.

FINAL CONTRACT

COMPLETION DATE 06/24/19

INVOICE DATE

00/12/19

CUSTOMER NO. 0705020193126

E8

PLYMOUTH TOWNSHIP PD
9955 HAGGERTY RD

PLYMOUTH TWP PD-9955 HAGGERTY
9955 HAGGERTY RD

PLYMOUTH

MI 48170

PLYMOUTH

MI 48170

[illegible]

TAX	0.00
FREIGHT	891.00

TOTAL 151975.00

REMIT TO

REQUESTED BY

AT&T
P O. BOX 9009
CAROL STREAM IL 60197-9009

FOR INQUIRIES/ADDRESS CHANGES: 888-299-0124

PLEASE INCL YOUR CUST # & INV # ON YOUR CHECK

PAGE 1 OF 1

ORIGINAL

Thank You for your business

p. 2 -



INVOICE

IL

NO. MI690599

BCS

CONTRACT NO. EB56446105	P.O. NO. LS2821-MI	REFERENCE CODE MD	REFERENCE NO. MAINT
COMPLETION DATE 08/20/19	INVOICE DATE 08/20/19	CUSTOMER NO.	0705020193126

PLYMOUTH TOWNSHIP PD
9955 HAGGERTY RD

PLYMOUTH TWP PD-9955 HAGGERTY
9955 HAGGERTY RD

PLYMOUTH

MI 481700000

PLYMOUTH

MI 48170

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
		MAINTENANCE BILLING PER CONTRACT TERMS AND CONDITIONS SERVICE ON CPE EQUIPMENT EFFECTIVE DATE: JUNE 15, 2019 BILLING/CREDIT FOR PERIOD: 06/15/19-06/14/24 PER ONE TIME PAYMENT: \$109,446.75 TOTAL DUE \$109,446.75. REL# OEM SERVICES ITEM# 5 YEARS LOC# 6/15/19 - DEPT# 6/14/24 WMS# AT&T SERVICE SUPPLIER# 4 YEARS CIMS# 06/15/20 OTHER# 06/14/24		
		MATERIAL SUBTOTAL		.00
		LABOR SUBTOTAL		109,446.75
REMIT TO			TAX	
DUE UPON RECEIPT			SHIPPING / HANDLING	.00
REQUESTED BY			TOTAL	109,446.75
			DATE	

AT&T

P.O. BOX 9009

CAROL STREAM IL 60197-9009

FOR INQUIRIES/ADDRESS CHANGES: 888-299-0124

PLEASE INCL YOUR CUST # & INV # ON YOUR CHECK

Thank You for your business

P.3

**2019 Fourth Quarter Budget Amendments
Drug Law Enforcement - IRS Fund 267**

Classification	2019 Approved Budget	Adjustment Needed	Amended Budget	Reason for Adjustment		
EXPENDITURES	\$ -	\$ 1,840	\$ 1,840	Dell Latitude Computer for Chief Tiderington	\$	1,840
Total	<u>\$ -</u>	<u>\$ 1,840</u>	<u>\$ 1,840</u>		<u>\$</u>	<u>1,840</u>

Effect on Fund Balance (Increase Expense)
\$ - Budgeted (1,840)
<u>\$ (1,840)</u> Amended



DELL MARKETING L.P.
One Dell Way
Round Rock, TX 78682

FID Number: 74-2616805
For Sales: (800)274-1550
Customer Service: (800)274-1550
Technical Support: (800)274-1550
Dell Online: <http://www.dell.com>

Invoice

BILL TO:

CHARTER TOWNSHIP OF PLYMOUTH
BOB JANKS
9955 N HAGGERTY RD
PLYMOUTH, MI 48170-4673

SHIP TO:

CHARTER TOWNSHIP OF PLYMOUTH
BOB JANKS
9955 N HAGGERTY RD
PLYMOUTH, MI 48170-4673

PLEASE REVIEW DELL'S TERMS & CONDITIONS OF SALE AND POLICIES, WHICH GOVERN THIS TRANSACTION
VIEW YOUR ORDER DETAILS ONLINE

Invoice No:	10290678305	Customer No:	7478404	Order No:	438789058	Page 1 of 2
-------------	-------------	--------------	---------	-----------	-----------	-------------

Purchase Order:	18-74188	Waybill Number:	1Z2EY9470314064843
Payment Terms:	Due 30 days from the invoice date	Order Date:	12/17/2018
Due Date:	02/05/2019	Sales Rep:	JENNIFER STASNEY
Invoice Date:	01/06/2019	Shipped Via:	

Item Number	Description	Qty	Unit	Unit Price	Amount
210-ANMJ	Dell Latitude 5590 CTO System Service Tags 3V888S2	1	EA	1,836.93	1,836.93
379-BCXG	8th Gen Intel Core i7-8650U Processor (Quad Core, 8MB Cache, 1.9GHz, 15W, vPro)	1	EA	-	-
619-AHKN	Win 10 Pro 64 English, French, Spanish	1	EA	-	-
630-AAPK	No Productivity Software	1	EA	-	-
338-BNGW	Intel(R) Core(TM) i7-8650U Processor Base, Integrated UHD Graphics 620	1	EA	-	-
631-ABNR	No Out-of-Band Systems Management	1	EA	-	-
370-ADHW	16GB 1X16GB DDR4 Memory, 2400 MHz, Non-ECC	1	EA	-	-
400-AUOE	M.2 512GB PCIe NVMe Class 40 Solid State Drive	1	EA	-	-
575-BBPR	M.2 SSD PCIe Hard Drive Bracket	1	EA	-	-
320-BCJS	Non-Touch LCD Back Cover with WLAN antenna	1	EA	-	-

FOR SHIPMENTS TO CALIFORNIA, A STATE ENVIRONMENTAL FEE OF UP TO \$7 PER ITEM WILL BE ADDED TO INVOICES FOR ALL ORDERS CONTAINING A DISPLAY GREATER THAN 4 INCHES. PLEASE KEEP ORIGINAL BOX FOR ALL RETURNS. COMPREHENSIVE ONLINE CUSTOMER CARE INFORMATION AND ASSISTANCE IS A CLICK AWAY AT WWW.DELL.COM/PUBLIC-ECARE TO ANSWER A VARIETY OF QUESTIONS REGARDING YOUR DELL ORDER.

USD	
Sub-Total:	\$ 1,836.93
Ship. &/or Handling:	\$ 0.00
ENVIRO FEE:	\$ 0.00
Taxable:	\$ 0.00
Non-Taxable:	\$ 0.00
\$ 1,836.93	
Invoice Total:	\$ 1,836.93



DETACH AT LINE AND RETURN WITH PAYMENT

Invoice No: 10290678305
Customer Name: CHARTER TOWNSHIP OF PLYMOUTH
Customer No: 7478404
PO No: 18-74188
Order Number: 438789058

Make check payable / remit to :

Dell Marketing L.P.
C/O Dell USA L.P.
PO Box 643561
Pittsburgh, PA 15264-3561

USD	
Sub-Total:	\$ 1,836.93
Ship. &/or Handling:	\$ 0.00
ENVIRO FEE:	\$ 0.00
Taxable:	\$ 0.00
Non-Taxable:	\$ 0.00
\$ 1,836.93	
Invoice Total:	\$ 1,836.93
Balance Due:	\$ 1,836.93
Amount Enclosed:	

0102906783050000000183693000000074784045



DELL MARKETING L.P.
One Dell Way
Round Rock, TX 78682

FID Number: 74-2616805
For Sales: (800)274-1550
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BILL TO:

CHARTER TOWNSHIP OF PLYMOUTH
BOB JANKS
9955 N HAGGERTY RD
PLYMOUTH, MI 48170-4673

SHIP TO:

CHARTER TOWNSHIP OF PLYMOUTH
BOB JANKS
9955 N HAGGERTY RD
PLYMOUTH, MI 48170-4673

PLEASE REVIEW DELL'S TERMS & CONDITIONS OF SALE AND POLICIES, WHICH GOVERN THIS TRANSACTION
VIEW YOUR ORDER DETAILS ONLINE

Invoice No:	10290678305	Customer No: 7478404	Order No: 438789058	Page 2 of 2
-------------	-------------	----------------------	---------------------	-------------

Purchase Order:	18-74188	Waybill Number:	1Z2EY9470314064843
Payment Terms:	Due 30 days from the invoice date	Order Date:	12/17/2018
Due Date:	02/05/2019	Sales Rep:	JENNIFER STASNEY
Invoice Date:	01/06/2019	Shipped Via:	

Item Number	Description	Qty	Unit	Unit Price	Amount
325-BCTN	Non-Touch LCD bezel+RGB(HD) camera+Mic	1	EA	-	-
391-BDKM	15.6" HD (1366 x 768) Non-Touch LCD	1	EA	-	-
583-BEFB	Dual Pointing Non-backlit Keyboard with Number Pad (US English)	1	EA	-	-
570-AADK	No Mouse	1	EA	-	-
555-BDUK	Qualcomm QCA61x4A 802.11ac Dual Band(2x2) Wireless Adapter+ Bluetooth 4.1 Driver	1	EA	-	-
555-BCMWW	Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ Bluetooth 4.2	1	EA	-	-
362-BBBB	No Mobile Broadband Card	1	EA	-	-
451-BBXV	Primary 4-cell 68WHR Battery	1	EA	-	-
492-BBXF	65W AC Adapter, 3-pin	1	EA	-	-
346-BCPD	Dual Point Palmrest with No Security	1	EA	-	-
650-AAAM	No Anti-Virus Software	1	EA	-	-
421-9984	Dell Data Protection Encryption Personal Edition Digital Delivery	1	EA	-	-
954-3455	Dell ProSupport for Software, Dell Data Protection Encryption Personal Edition, 1 Year	1	EA	-	-
620-AAQH	No Media	1	EA	-	-
452-BBSE	No Docking Station	1	EA	-	-
817-BBBB	No FGA	1	EA	-	-
450-AAEJ	US Power Cord	1	EA	-	-
525-0131	Dell Command Power Manager (DCPM)	1	EA	-	-
525-BBCL	SupportAssist	1	EA	-	-
640-BBLW	Dell(TM) Digital Delivery Cirrus Client	1	EA	-	-
658-BBMR	Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)	1	EA	-	-
658-BBRB	Waves Maxx Audio	1	EA	-	-
658-BCUV	Dell Developed Recovery Environment	1	EA	-	-
658-BDTQ	Dell Latitude 5590 SRV	1	EA	-	-
460-BBEX	No Carrying Case	1	EA	-	-
429-AATO	No Removable CD/DVD Drive	1	EA	-	-
340-ACQQ	No Option Included	1	EA	-	-
332-1286	US Order	1	EA	-	-
430-XXYG	No Resource DVD / USB	1	EA	-	-
340-BYSK	MOD,PLCMT,QSG,WIN10,559X,DAO	1	EA	-	-
387-BBCE	No Energy Star	1	EA	-	-
800-BBGT	BTO Standard Shipment (S)	1	EA	-	-
389-CGBC	Intel Core i7 Processor Label	1	EA	-	-
340-AGIK	Safety/Environment and Regulatory Guide (English/French Multi-language)	1	EA	-	-
389-BCGW	No UPC Label	1	EA	-	-
389-BEYY	Regulatory Label included	1	EA	-	-
610-BBWR	Dell Latitude E5590 Flex 5	1	EA	-	-
340-AAPP	Direct ship Info Mod	1	EA	-	-
340-BYSF	MIX SHIP Config (DAO)	1	EA	-	-
975-3461	Dell Limited Hardware Warranty Extended Year(s)	1	EA	-	-
997-8317	Dell Limited Hardware Warranty	1	EA	-	-
997-8328	Onsite/In-Home Service After Remote Diagnosis, 1 Year	1	EA	-	-
997-8335	Onsite/In-Home Service After Remote Diagnosis, 4 Year Extended	1	EA	-	-
980-9314	Keep Your Hard Drive, 5 Year	1	EA	-	-
429-AAUP	USB External DVD+/-RW Drive	1	EA	-	-

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.9
ANNUAL DESIGNATION OF
DEPOSITORIES
RESOLUTION #2019-12-10-114**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Approval of 2020 Depositories, **Resolution #2019-12-10-114**

PRESENTERS: Treasurer Mark Clinton

BACKGROUND:

The board of a township may provide by resolution for the depositing of money coming into the hands of the treasurer of the township, and the treasurer shall deposit the money in the financial institution(s) the township board may direct, subject to MCL 41.77.

Municipal investments are governed by Public Act 20 of 1943 as amended.

Proposed depositories for 2020 (no change from 2019) are:

- 1) Bank of Ann Arbor
- 2) Flagstar Bank
- 3) Comerica Bank

ACTION REQUESTED:

Approve the designation of depositories.

ATTACHMENTS:

Bank Ratings

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-114** authorizing the proposed depositories for the Charter Township of Plymouth for calendar year 2020.

Moved by: _____ Seconded by: _____

ROLL CALL:

___ Clinton, ___ Curmi, ___ Dempsey, ___ Doroshewitz, ___ Heise, ___ Heitman, ___ Vorva

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

RESOLUTION TO AUTHORIZE THE DESIGNATION OF DEPOSITORIES

RESOLUTION #2019-12-10-114

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on December 10, 2019, the following resolution was offered:

WHEREAS, under the laws of the State of Michigan, the board may provide by Resolution for the depositing of all public money, including tax money coming into the possession of the treasurer, in one or more designated financial institutions.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-114** authorizing that the banks set forth herein be named as depositories for the Charter Township of Plymouth funds for the calendar year January 1, 2020 through December 31, 2020, for everyday savings and checking accounts, money market accounts, certificates of deposit, and commercial paper.

BE IT FURTHER RESOLVED, that all money received by the Charter Township of Plymouth shall be deposited at the treasurer's discretion into the following depositories:

- The Bank of Ann Arbor
- Flagstar Bank
- Comerica Bank

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

Bank of Ann Arbor

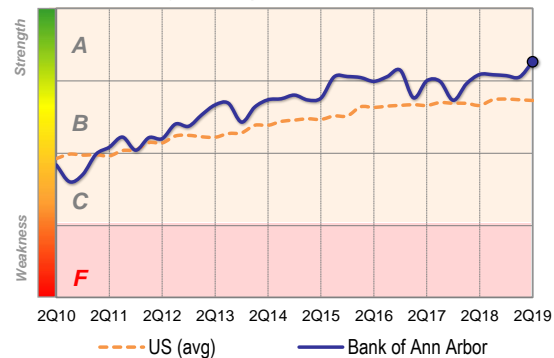
2Q 2019

A-

Risk Ratings

Overall.....	A-
Business.....	A-
Demographic.....	B+
Financial.....	A
Asset Quality.....	A+
Capital.....	A-
Liquidity.....	A-
Profitability.....	A+
Robinson Downside Risk	B+

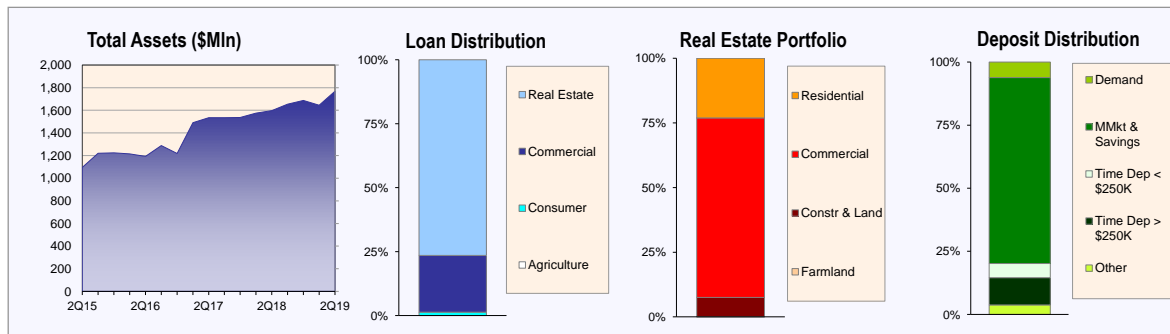
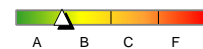
Risk Rating History



Business Analysis

Bank of Ann Arbor is headquartered in Ann Arbor, MI, with total assets of \$1.8 Bln. The bank has experienced solid growth over the past quarter and has experienced strong asset growth of 10.8% over the past year. The total loan portfolio has an overweight position in real estate loans. The real estate portfolio has a sizable concentration in commercial real estate, representing 69% of the portfolio. The bank's core deposits, deposits that are a stable source of funds for the lending base, are strong, representing a captive and cost-effective source of funds for the bank.

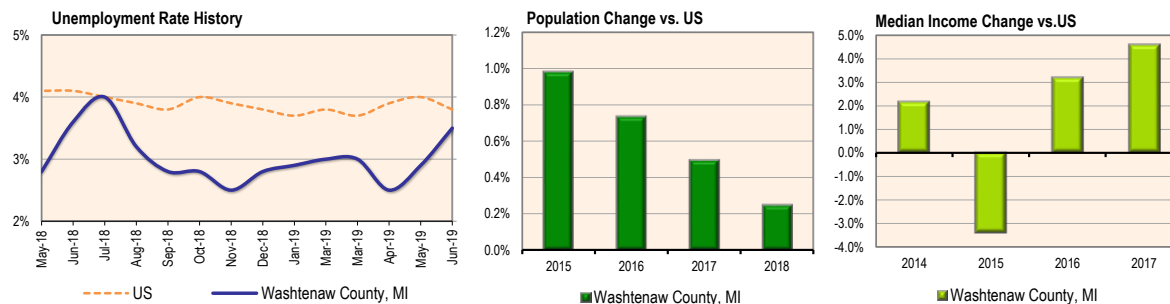
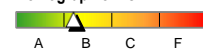
Business Risk



Demographic Analysis

Bank of Ann Arbor's demographic footprint is relatively small with a sizable amount of its deposits and branches dedicated to one demographic area. The bank's largest demographic base is Washtenaw County, MI, representing 77% of the company's deposits, while Oakland County, MI and Wayne County, MI represent 15% and 8%, respectively. Unemployment within Washtenaw County is 3.5%, 0.3% lower than the national average. Washtenaw County's population growth has marginally improved over the past couple years relative to that of the US and median household income significantly increased recently against the nation's median level.

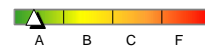
Demographic Risk



Financial Analysis

Robinson views the financial risk of this bank to be investment grade with minimal downside risk. Bank of Ann Arbor's financial profile is extremely healthy and poses little concern. Its overall financial trend has strengthened firmly over the past quarter and has posted a small level of change over the past year.

Financial Risk



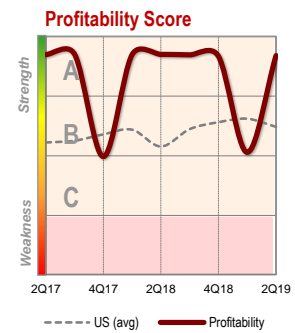
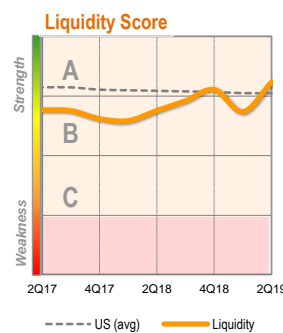
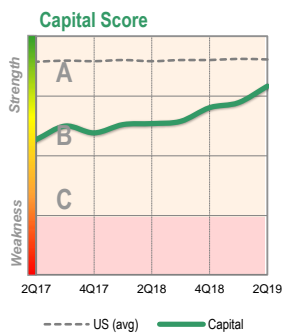
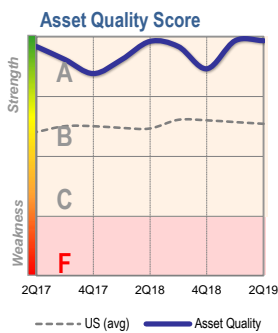
Asset quality ranks very high, posing no credit issues or concerns, given nonperforming loans to total loans at 0.1%. The asset quality trend has marginally weakened over the past quarter and has posted a small level of change over the past year. The bank's capital position is sound, presenting little concern with Tier-1 risk-based capital at 12.1%. The overall capital score has demonstrated significant improvement over the past quarter and has experienced considerable improvement over the past year. Overall liquidity is sound with the liquidity ratio at 26.6%, reflecting the company's well-managed short-term funding operations. The liquidity score has demonstrated sizeable improvement over the past quarter and has strengthened over the past year. The bank's profitability is extremely strong with return on average assets (ROA) for the quarter at 3.88%, representing robust earnings. This trend has revealed substantial improvement over the past quarter, but has displayed little to no change over the past year.

Asset Quality			Chg vs.
			1Q 2019
NonPerforming Lns			
Bank	0.1%	▼ 0.0%	
US (median)	0.8%	▼ 0.0%	
Reserves to NPLs			
Bank	1267%	▲ 62.4%	
US (median)	155%	▲ 5.8%	

Capital			Chg vs.
			1Q 2019
Tier-1 Risk-Based			
Bank	12.1%	▲ 0.6%	
US (median)	15.4%	▼ 0.0%	
Total Risk-Based			
Bank	13.3%	▲ 0.6%	
US (median)	16.5%	▲ 0.0%	

Liquidity			Chg vs.
			1Q 2019
Liquidity Ratio			
Bank	26.6%	▲ 8.0%	
US (median)	26.2%	▼ 0.6%	
Core Deposits/Deposits			
Bank	80.0%	▼ 7.1%	
US (median)	79.2%	▲ 0.0%	

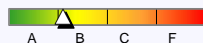
Profitability			Chg vs.
			1Q 2019
Return on Assets			
Bank	3.9%	▲ 3.4%	
US (median)	2.2%	▲ 1.3%	
Net Interest Margin (NIM)			
Bank	8.4%	▲ 3.5%	
US (median)	7.7%	▲ 3.7%	



Additional Downside Risk Considerations

Robinson Downside Risk

Robinson Downside Risk measures overall downside risk of a bank, based on a proprietary bank risk model. Analysis takes into account various factors, including trends and ratios discussed in this report.



Commercial Real Estate % of Capital

Historically, higher levels of commercial real estate (CRE) exposure have the potential to be problematic. Levels above 300% represent higher risk.



Disclosures

The statements contained in this report assessing or characterizing the overall or relative performance, outlook, or other indicators of financial strength or risk of a bank represent the opinions of Robinson Capital Management (RCM). These opinions are based on RCM's independent analysis of financial data and utilize information obtained or derived from sources believed to be reliable. RCM does not represent or guarantee that its opinions or the information contained in this report is either accurate or complete. Under no circumstances shall RCM have any liability to any person or entity for any loss or damage in whole or in part caused by, resulting from, or relating to, any error (negligent or otherwise) or other circumstance or contingency within or outside the control of RCM or any of its directors, officers or employees. This report is for information only and is not a recommendation to buy or sell any security or to participate in any trading strategy. Reference to the issue discussed herein should not be construed as an example of an investment or recommendation made by RCM on behalf of any client. This report or any portion hereof may not be reprinted, sold, or redistributed without the written consent of RCM. Opinions expressed are subject to change without notice. We believe the information, including that obtained from outside sources, to be correct, but we cannot guarantee its accuracy.

Robinson Capital Management is a boutique investment advisor focused exclusively on traditional and alternative fixed income investments. Founded in 2012, and headquartered in Grosse Pointe Farms, Michigan, RCM offers investment advisory services to a variety of institutional investors and regulated fund products.

Flagstar Bank, FSB

2Q 2019

A-

Risk Ratings

Overall.....**A-**

Business.....

A

Demographic.....

B+

Financial.....

B+

Asset Quality.....

B+

Capital.....

B

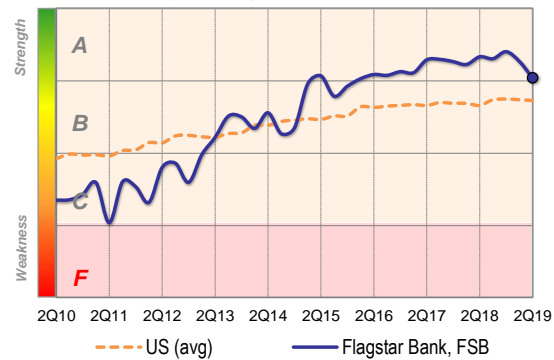
Liquidity.....

B

Profitability.....

A+**Robinson Downside Risk****A**

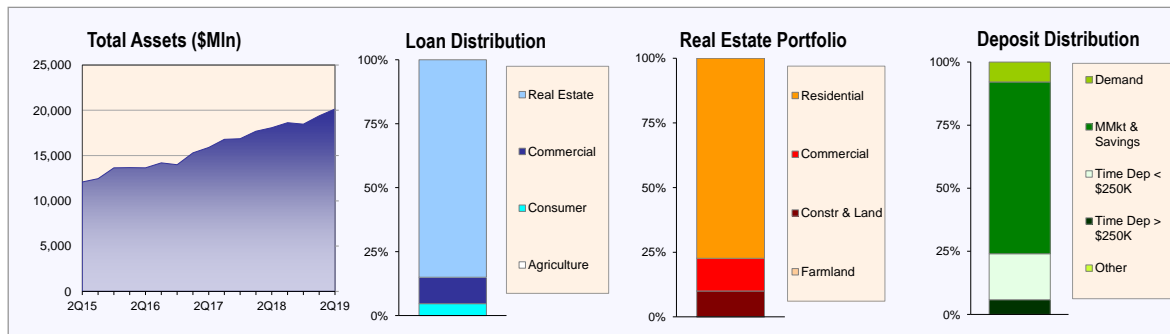
Risk Rating History



Business Analysis

Flagstar Bank, FSB is headquartered in Troy, MI, with total assets of \$20.1 Bln. The bank has exhibited healthy growth over the past quarter and has experienced strong asset growth of 11.5% over the past year. The total loan portfolio has an overweight position in real estate loans. The real estate portfolio is largely concentrated in the residential sector, representing 77% of the portfolio. The bank's core deposits, deposits that are a stable source of funds for the lending base, are strong, representing a captive and cost-effective source of funds for the bank.

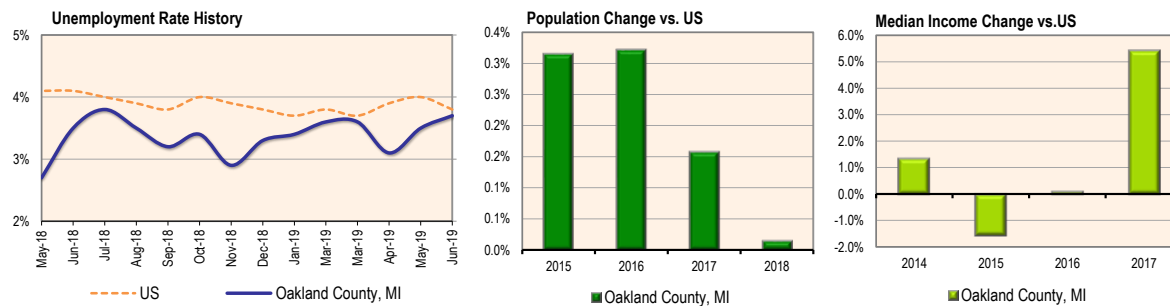
Business Risk



Demographic Analysis

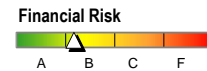
Flagstar Bank, FSB has a solid demographic footprint in its respective markets, providing adequate geographic diversification. The bank's largest demographic base is Oakland County, MI, representing 56% of the company's deposits, while Jackson County, MI and Macomb County, MI represent 6% and 11%, respectively. Unemployment within Oakland County is 3.7%, 0.1% lower than the national average. Oakland County's population growth has marginally improved over the past couple years relative to that of the US and median household income significantly increased recently against the nation's median level.

Demographic Risk



Financial Analysis

Robinson views the financial risk of this bank to be investment grade with minimal downside risk. Flagstar Bank, FSB's financial position is solid, presenting little concern to its investors. Its overall financial trend has weakened over the past quarter and has weakened slightly over the past year.



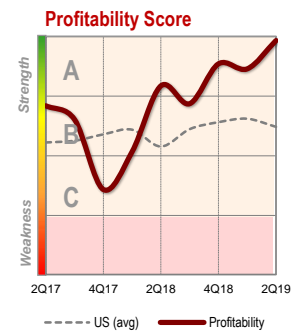
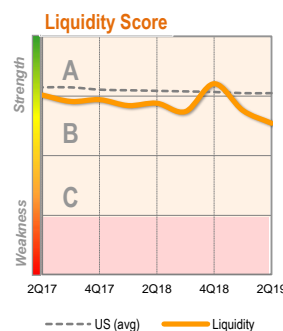
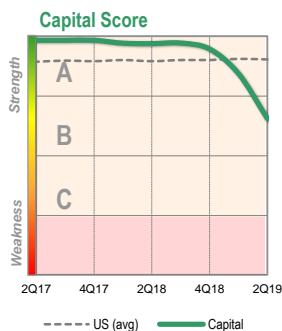
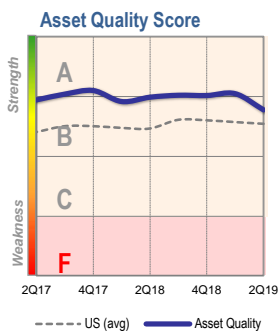
Asset quality is solid, reflecting the relatively high credit quality of the company's loan practices and portfolio. The asset quality trend has shown significant weakness over the past quarter and has displayed little to no change over the past year. The bank's capital position is satisfactory and presents no immediate concern. The overall capital score has recognized substantial weakness over the past quarter and has exhibited extensive weakness over the past year. Liquidity is stable and positioned to meet unexpected funding needs over the short-term. The liquidity score has weakened over the past quarter and has weakened slightly over the past year. The bank's profitability ranks as one of the best in the country with return on average assets (ROA) for the quarter at 2.19%. This trend has demonstrated significant improvement over the past quarter and has experienced considerable improvement over the past year.

Asset Quality			Chg vs.
NonPerforming Lns			1Q 2019
Bank	0.8%	▲ 0.2%	
US (median)	0.8%	▼ 0.0%	
Reserves to NPLs			
Bank	89%	▼ 52.0%	
US (median)	155%	▲ 5.8%	

Capital			Chg vs.
Tier-1 Risk-Based			1Q 2019
Bank	11.2%	▼ 1.2%	
US (median)	15.4%	▼ 0.0%	
Total Risk-Based			
Bank	12.0%	▼ 1.4%	
US (median)	16.5%	▲ 0.0%	

Liquidity			Chg vs.
Liquidity Ratio			1Q 2019
Bank	13.7%	▼ 4.7%	
US (median)	26.2%	▼ 0.6%	
Core Deposits/Deposits			
Bank	89.8%	▼ 0.5%	
US (median)	79.2%	▲ 0.0%	

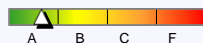
Profitability			Chg vs.
Return on Assets			1Q 2019
Bank	2.2%	▲ 0.5%	
US (median)	2.2%	▲ 1.3%	
Net Interest Margin (NIM)			
Bank	6.5%	▲ 3.3%	
US (median)	7.7%	▲ 3.7%	



Additional Downside Risk Considerations

Robinson Downside Risk

Robinson Downside Risk measures overall downside risk of a bank, based on a proprietary bank risk model. Analysis takes into account various factors, including trends and ratios discussed in this report.



Commercial Real Estate % of Capital

Historically, higher levels of commercial real estate (CRE) exposure have the potential to be problematic. Levels above 300% represent higher risk.



Disclosures

The statements contained in this report assessing or characterizing the overall or relative performance, outlook, or other indicators of financial strength or risk of a bank represent the opinions of Robinson Capital Management (RCM). These opinions are based on RCM's independent analysis of financial data and utilize information obtained or derived from sources believed to be reliable. RCM does not represent or guarantee that its opinions or the information contained in this report is either accurate or complete. Under no circumstances shall RCM have any liability to any person or entity for any loss or damage in whole or in part caused by, resulting from, or relating to, any error (negligent or otherwise) or other circumstance or contingency within or outside the control of RCM or any of its directors, officers or employees. This report is for information only and is not a recommendation to buy or sell any security or to participate in any trading strategy. Reference to the issue discussed herein should not be construed as an example of an investment or recommendation made by RCM on behalf of any client. This report or any portion hereof may not be reprinted, sold, or redistributed without the written consent of RCM. Opinions expressed are subject to change without notice. We believe the information, including that obtained from outside sources, to be correct, but we cannot guarantee its accuracy.

Robinson Capital Management is a boutique investment advisor focused exclusively on traditional and alternative fixed income investments. Founded in 2012, and headquartered in Grosse Pointe Farms, Michigan, RCM offers investment advisory services to a variety of institutional investors and regulated fund products.

Comerica Bank

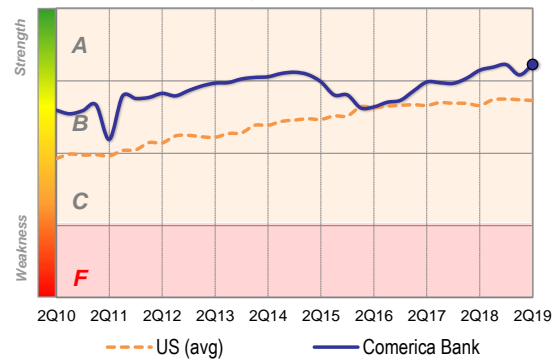
2Q 2019

A-

Risk Ratings

Overall.....	A-
Business.....	A-
Demographic.....	B-
Financial.....	A-
Asset Quality.....	A
Capital.....	B
Liquidity.....	A-
Profitability.....	A+
Robinson Downside Risk	B+

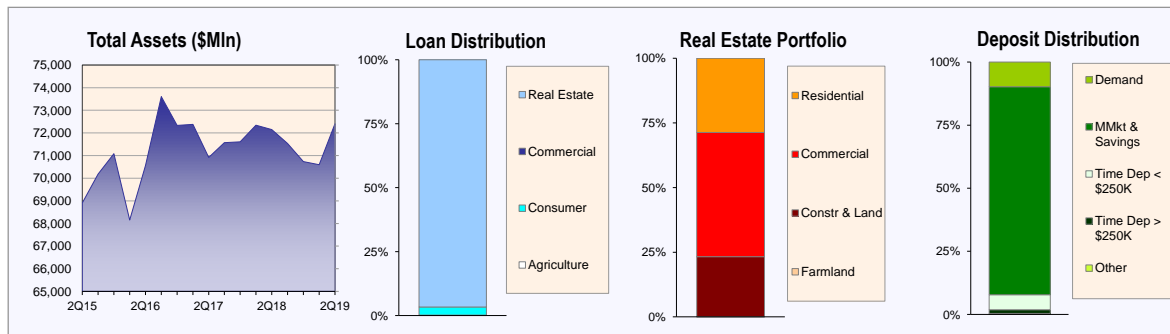
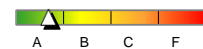
Risk Rating History



Business Analysis

Comerica Bank is headquartered in Dallas, TX, with total assets of \$72.4 Bln. The bank has increased its assets over the past quarter and has experienced marginal asset growth of 0.4% over the past year. The total loan portfolio is not very well-diversified across loan types. The real estate portfolio has a healthy concentration in commercial real estate, representing 48% of the portfolio. The bank's core deposits, deposits that are a stable source of funds for the lending base, are very strong, representing a reliable and inexpensive source of funds for the bank.

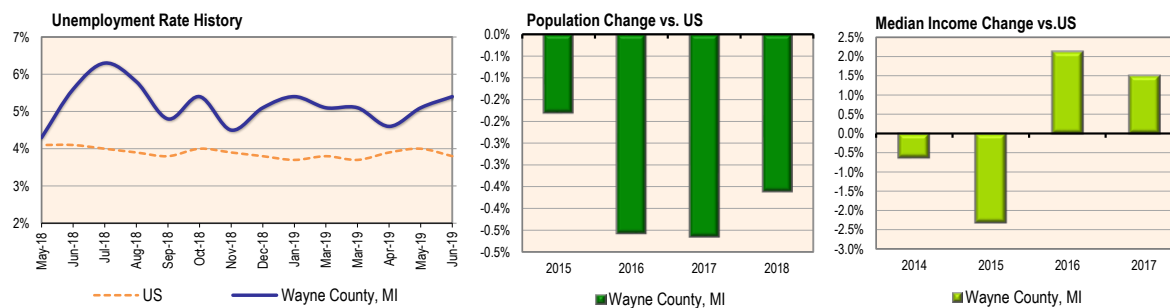
Business Risk



Demographic Analysis

Comerica Bank has a very large demographic footprint in its various markets, providing healthy geographic diversification. The bank's largest demographic base is Wayne County, MI, representing 29% of the company's deposits, while Santa Clara County, CA and San Francisco County, CA represent 12% and 3%, respectively. Unemployment within Wayne County is 5.4%, 1.6% higher than the national average. Wayne County's population growth has weakened over the past couple years relative to that of the US and median household income increased recently against the nation's median level.

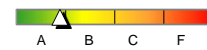
Demographic Risk



Financial Analysis

Robinson views the financial risk of this bank to be investment grade with minimal downside risk. Comerica Bank's financial position is strong compared to its peer group in the US. Its overall financial trend has strengthened firmly over the past quarter and has posted a small level of change over the past year.

Financial Risk



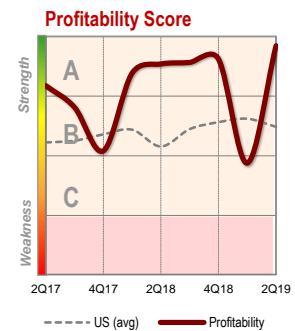
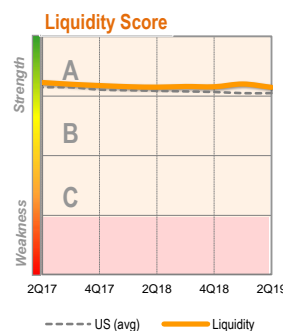
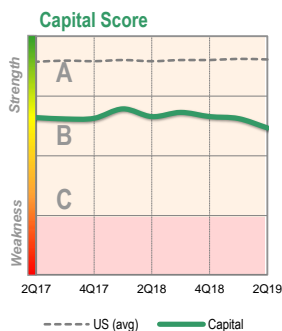
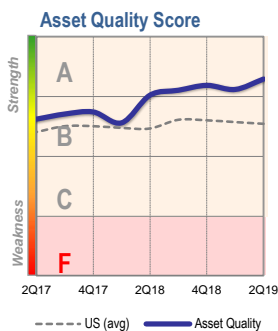
Asset quality is strong, reflecting the company's conservative credit practices with nonperforming loans to total loans at 0.6%. The asset quality trend has strengthened firmly over the past quarter and has strengthened over the past year. The bank's capital position is satisfactory, but ranks below the national average. The overall capital score has weakened over the past quarter and has displayed little to no change over the past year. Liquidity is sound with the liquidity ratio at 26.1%, reflecting the company's well-managed cash operations. The liquidity score has marginally weakened over the past quarter and has displayed little to no change over the past year. The bank's profitability ranks as one of the best in the country with return on average assets (ROA) for the quarter at 3.57%. This trend has revealed substantial improvement over the past quarter and has strengthened over the past year.

Asset Quality			Chg vs.
			1Q 2019
NonPerforming Lns			
Bank	0.6%	▼ 0.0%	
US (median)	0.8%	▼ 0.0%	
Reserves to NPLs			
Bank	223%	▲ 11.3%	
US (median)	155%	▲ 5.8%	

Capital			Chg vs.
			1Q 2019
Tier-1 Risk-Based			
Bank	10.4%	▼ 0.3%	
US (median)	15.4%	▼ 0.0%	
Total Risk-Based			
Bank	12.1%	▼ 0.4%	
US (median)	16.5%	▲ 0.0%	

Liquidity			Chg vs.
			1Q 2019
Liquidity Ratio			
Bank	26.1%	▲ 4.0%	
US (median)	26.2%	▼ 0.6%	
Core Deposits/Deposits			
Bank	94.2%	▼ 2.3%	
US (median)	79.2%	▲ 0.0%	

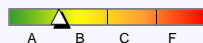
Profitability			Chg vs.
			1Q 2019
Return on Assets			
Bank	3.6%	▲ 3.3%	
US (median)	2.2%	▲ 1.3%	
Net Interest Margin (NIM)			
Bank	7.4%	▲ 3.6%	
US (median)	7.7%	▲ 3.7%	



Additional Downside Risk Considerations

Robinson Downside Risk

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Commercial Real Estate % of Capital

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**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.10
2020 BOARD OF TRUSTEES MEETING
SCHEDULE
RESOLUTION #2019-12-10-115**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Board of Trustees Regular Meeting and Study Session Schedule for 2020,
Resolution #2019-12-10-115

PRESENTER: Clerk Jerry Vorva

BACKGROUND:

The Charter Township of Plymouth Board of Trustees is required to schedule and adopt a meeting schedule for anticipated Board of Trustee meetings every calendar year.

Board of Trustee regular meetings are generally scheduled on the second and fourth Tuesday of each month. Study sessions are generally scheduled on the first Tuesday of the month.

Board approval of the meeting schedule is required to facilitate the publication of a Public Notice listing of the approved meeting dates. The proposed schedule for 2020 is attached to this request.

ACTION REQUESTED:

Approve the formal scheduling and publication of the Charter Township of Plymouth Board of Trustees meeting and study session schedule for the calendar year 2020.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-115** authorizing the formal scheduling and publication of the Charter Township of Plymouth Board of Trustees meeting and study session schedule for the calendar year 2020.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

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

**RESOLUTION TO AUTHORIZE THE FORMAL SCHEDULING AND PUBLICATION
OF THE CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING
AND STUDY SESSION SCHEDULE FOR THE CALENDAR YEAR 2020**

RESOLUTION #2019-12-10-115

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on December 10, 2019, the following resolution was offered:

WHEREAS, The Charter Township of Plymouth Board of Trustees conducts business on a regular basis and is required to hold regular meetings to accomplish this action and receive direction and/or consent from the entire Board of Trustees, and;

WHEREAS, The Charter Township of Plymouth Board of Trustees will hold two regular meetings each month, generally on the second and fourth Tuesday of the month, and one study session each month, generally on the first Tuesday of the month, and;

WHEREAS, The Board of Trustees of the Charter Township of Plymouth is committed to holding regularly published meetings to allow input into the decisions before the board.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-115** authorizing the regular meeting and study session schedule for the calendar year 2020 as listed in the attachment to this resolution.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

BOARD OF TRUSTEES MEETING SCHEDULE FOR 2020				
MONTH	STUDY SESSION	FIRST MEETING DATE	SECOND MEETING DATE	EXCEPTION NOTES
January	7	14	28	
February	4	11	25	
March	3	*	24	No Meeting, Presidential Primary
April	7	14	28	
May	5	12	26	
June	2	9	23	
July	7	14	28	
August	*	11	25	No Study Session, Primary Day
September	1	8	22	
October	6	13	27	
November	*	10	24	No Study Session, Election Day
December	1	8	*	No Meeting, Christmas Week

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019**

NEW BUSINESS

**ITEM F.11
RE-APPOINTMENTS TO ZBA (X3)
RESOLUTION #2019-12-10-116**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Reappointment to the Zoning Board of Appeals – Michael Carlin, **Resolution #2019-12-10-116**

PRESENTERS: Supervisor Kurt Heise

BACKGROUND:

I would appreciate your consideration and support for the reappointment of Mr. Michael Carlin to the Zoning Board of Appeals for a three-year term, expiring December 31, 2022.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-116** authorizing the re-appointment of Mr. Michael Carlin to the Plymouth Township Zoning Board of Appeals for a three-year term expiring December 31, 2022.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: December 10, 2019

ITEM: Reappointment to the Zoning Board of Appeals – Donald Schnettler, **Resolution #2019-12-10-116**

PRESENTERS: Supervisor Kurt Heise

BACKGROUND:

I would appreciate your consideration and support for the reappointment of Mr. Donald Schnettler to the Zoning Board of Appeals for a three-year term, expiring December 31, 2022.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-116** authorizing the re-appointment of Mr. Donald Schnettler to the Plymouth Township Zoning Board of Appeals for a three-year term expiring December 31, 2022.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: **December 10, 2019**

ITEM: Reappointment to the Zoning Board of Appeals – Steve Bassett (alternate),
Resolution #2019-12-10-116

PRESENTERS: **Supervisor Kurt Heise**

BACKGROUND:

I would appreciate your consideration and support for the reappointment of Mr. Steve Bassett as the Alternate to the Zoning Board of Appeals for a three-year term, expiring December 31, 2022.

PROPOSED MOTION: I move to adopt **Resolution #2019-12-10-116** authorizing the re-appointment of Mr. Steve Bassett as alternate to the Plymouth Township Zoning Board of Appeals for a three-year term expiring December 31, 2022.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi

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

**RESOLUTION REAPPOINTING THE MEMBERS OF THE PLYMOUTH TOWNSHIP
ZONING BOARD OF APPEALS**

RESOLUTION #2019-12-10-116

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on December 10, 2019, the following resolution was offered:

WHEREAS, the Charter Township of Plymouth recognizes that private citizens and their input and expertise are invaluable to the community, and;

WHEREAS, the Charter Township of Plymouth utilizes various boards and commissions to carry out the multitude of functions necessary to the efficient operation of the community, and;

WHEREAS, the supervisor of the Charter Township of Plymouth is charged with making recommendations to the board of trustees to appoint various members of the community to these boards and commissions in accordance with the guidelines stipulated, and;

WHEREAS, Supervisor Heise has recommended to the board the reappointment of Michael Carlin, Donald Schnettler, and Steve Bassett to the Zoning Board of Appeals of the Charter Township of Plymouth.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-12-10-116** authorizing reappointments of the following township residents for the specific terms as indicated herein, such terms to become effective December 31, 2019:

- | | | |
|----|---------------------------|---------|
| 1. | Michael Carlin | 3 years |
| 2. | Donald Schnettler | 3 years |
| 3. | Steve Bassett (alternate) | 3 years |

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM G
SUPERVISOR AND TRUSTEE
COMMENTS

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM H
PUBLIC COMMENTS AND QUESTIONS

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
DECEMBER 10, 2019

ITEM I
ADJOURNMENT