



CITY COUNCIL

REGULAR MEETING

AGENDA

JANUARY 27, 2020
CONVENING AT 7:30 P.M.

Submitted By
The City Manager

NOTICE: Persons with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk at (248) 524-3316 or via e-mail at clerk@troymi.gov at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations.



500 West Big Beaver
Troy, MI 48084
troymi.gov

The Honorable Mayor and City Council Members

City of Troy
500 West Big Beaver
Troy, MI 48084

Dear Mayor and City Council Members:

In this packet, you will find the agenda for the City Council meeting. To help facilitate an informed discussion, the packet provides you with agenda items and additional details. The packet also contains recommended courses of action for your consideration and seeks to aid you in adopting sound policy decisions for the City of Troy.

This comprehensive agenda has been put together through the collaborative efforts of management and staff members. We have made all attempts to obtain accurate supporting information. It is the result of many meetings and much deliberation, and I would like to thank the staff for their efforts.

If you need any further information, staff is always available to provide more information and answer questions that may arise. You can contact me at CityManager@troymi.gov or 248.524.3330 with questions.

Respectfully,

Mark F. Miller,
City Manager

2019 Strategies

- 1 | Re-evaluate the Trails & Pathways program with a focus on public participation and creative problem-solving to build community support.
- 2 | Gather community input, reassess the most recent Town Center initiative, and develop a plan for the future of the Civic Center property.
- 3 | Determine the customer service needs of City Hall and incorporate the findings of the Facilities Condition Assessment into the maintenance plan of the facilities.
- 4 | Establish a comprehensive Capital Improvement Program and planning process that is reviewed and implemented on an annual basis.
- 5 | Convene the Charter Revision Committee to evaluate charter language and millage limitations, and develop a strategy to fund the Library past 2021.
- 6 | Determine public transportation service needs, and implement a revised plan for the Big Beaver Shuttle and Medi-Go.
- 7 | Update the Parks and Recreation Plan and incorporate the Green Space Subcommittee recommendations to protect and invest in the City's parks.
- 8 | Evaluate the Volunteer Firefighters Incentive Plan to ensure the policy is reasonable and sustainable.
- 9 | Study the feasibility of a Rochester Road Improvement District.
- 10 | Develop a plan to effectively engage residents and businesses through community conversations.



CITY COUNCIL AGENDA

January 27, 2020 – 7:30 PM
Council Chambers
City Hall - 500 West Big Beaver
Troy, Michigan 48084
(248) 524-3317

INVOCATION: **1**

PLEDGE OF ALLEGIANCE: Weblo Den from Cub Scout Pack 1706 from Martell Elementary School **1**

A. CALL TO ORDER: **1**

B. ROLL CALL: **1**

C. CERTIFICATES OF RECOGNITION AND SPECIAL PRESENTATIONS: **1**

C-1 Proclamation to Recognize Celebration of “Yoga for Health, Health for Humanity Surya Namaskar Yajna 2020” – January 18-February 2, 2020 *(Presented by: Mayor Ethan Baker)* **1**

C-2 Detroit Institute of Arts Presentation by Dave Flynn, Senior VP of Public Affairs for DIA **1**

C-2 On Behalf of the City of Troy Employees’ Casual for a Cause Program for the Months of November and December 2019, Community Affairs Director Cindy Stewart Will Present a Check in the Amount of \$796 to The Boys & Girls Club of Troy Executive Director Jeff Evans **1**

D. CARRYOVER ITEMS: **1**

D-1 No Carryover Items **1**

E. PUBLIC HEARINGS: **2**

E-1 City of Troy 2020-2024 Parks and Recreation Master Plan *(Introduced by: Kurt Bovensiepe, Public Works Director, and Ashely Levin, Project Manager)* **2**

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| J-6 | Fireworks Permit – 2020 Woodside Bible Church “Nite to Shine” Event | 12 |
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| | b) February 10, 2020 – Rezoning Request (Z JPLN2019-0015) – Proposed Sylvanwood Court RT Development Rezoning, Northwest Corner of Rochester Road and Sylvanwood, Sidwell #88-20-10-426-029, -030, and -031), Section 10, From R-1C (One Family Residential) to RT (One Family Attached Residential) Zoning District..... | 14 |
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O. COUNCIL COMMENTS: **15**

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|-----|------------------------------|----|
| O-1 | No Council Comments Advanced | 15 |
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P. REPORTS: **15**

| | | |
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|-----|----------------------------------|----|

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|----|--|----|
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| P-2 | Department Reports: | 15 |
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| a) | City Manager Status Report..... | 15 |
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|-----|---|----|
| P-3 | Letters of Appreciation: None Submitted | 15 |
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| P-4 | Proposed Proclamations/Resolutions from Other Organizations: None Submitted | 15 |
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Q. CLOSED SESSION **15**

| | | |
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| Q-1 | Closed Session | 15 |
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R. ADJOURNMENT: **15**

2020 SCHEDULED SPECIAL CITY COUNCIL MEETINGS: **16**

| | | |
|-------------------|--|----|
| February 4, 2020 | Joint Special City Council/Planning Commission Meeting (7:00 PM) . | 16 |
| February 13, 2020 | Special Meeting – Strategic Planning (6:00 PM)..... | 16 |
| March 2, 2020 | Special Meeting – Personnel Evaluations..... | 16 |
| March 23, 2020 | Special Meeting – Personnel Evaluations..... | 16 |
| April 20, 2020 | Special Meeting - Budget..... | 16 |
| April 22, 2020 | Special Meeting - Budget..... | 16 |

2020 SCHEDULED REGULAR CITY COUNCIL MEETINGS: **16**

| | | |
|-------------------|-----------------------|----|
| February 10, 2020 | Regular Meeting | 16 |
| February 24, 2020 | Regular Meeting | 16 |
| March 16, 2020 | Regular Meeting..... | 16 |
| March 30, 2020 | Regular Meeting..... | 16 |
| April 13, 2020 | Regular Meeting | 16 |
| April 27, 2020 | Regular Meeting | 16 |

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|--------------------|-----------------------|----|
| May 11, 2020 | Regular Meeting..... | 16 |
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| June 22, 2020 | Regular Meeting..... | 16 |
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| September 21, 2020 | Regular Meeting..... | 16 |
| October 12, 2020 | Regular Meeting..... | 16 |
| October 26, 2020 | Regular Meeting..... | 16 |
| November 9, 2020 | Regular Meeting..... | 16 |
| November 23, 2020 | Regular Meeting..... | 16 |
| December 7, 2020 | Regular Meeting..... | 16 |
| December 14, 2020 | Regular Meeting..... | 16 |

INVOCATION:

PLEDGE OF ALLEGIANCE: Weblo Den from Cub Scout Pack 1706 from Martell Elementary School

A. CALL TO ORDER:**B. ROLL CALL:**

Mayor Ethan Baker
Edna Abraham
Theresa Brooks
Ann Erickson Gault
Mayor Pro Tem David Hamilton
Ellen Hodorek
Ed Pennington

Excuse Absent Council Members:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **EXCUSES** the absence of _____ at the Regular City Council Meeting of January 27, 2020, due to _____.

Yes:

No:

C. CERTIFICATES OF RECOGNITION AND SPECIAL PRESENTATIONS:

C-1 Proclamation to Recognize Celebration of “Yoga for Health, Health for Humanity Surya Namaskar Yajna 2020” – January 18-February 2, 2020 (*Presented by: Mayor Ethan Baker*)

C-2 Detroit Institute of Arts Presentation by Dave Flynn, Senior VP of Public Affairs for DIA

C-2 On Behalf of the City of Troy Employees’ Casual for a Cause Program for the Months of November and December 2019, Community Affairs Director Cindy Stewart Will Present a Check in the Amount of \$796 to The Boys & Girls Club of Troy Executive Director Jeff Evans

D. CARRYOVER ITEMS:

D-1 No Carryover Items

E. PUBLIC HEARINGS:**E-1 City of Troy 2020-2024 Parks and Recreation Master Plan (Introduced by: Kurt Bovensiepe, Public Works Director, and Ashely Levin, Project Manager)**Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

WHEREAS, The Planning Department, Recreation Department and Department of Public Works jointly developed the City of Troy 2020-2024 Parks and Recreation Plan; and,

WHEREAS, The Plan identifies recreational need in the City and includes an Action Plan for recreation improvements over the next five years; and,

WHEREAS, The Plan is a policy document and is non-binding and does not fiscally obligate the City of Troy in any way; and,

WHEREAS, Public input was achieved using a wide range of methods, including an online Parks and Recreation survey, Pop-Up survey at community events, Parks and Recreation Advisory Board public meetings, and public notification of opportunities for public input published in local newspapers; and,

WHEREAS, The Parks and Recreation Advisory Committee recommended approval of the Plan at their December 5, 2019 meeting;

NOW, THEREFORE, BE IT RESOLVED, That Troy City Council **CONCURS** in the recommendations of the Parks and Recreation Advisory Board, and **APPROVES** the City of Troy 2020-2024 Parks and Recreation Plan.

BE IT FURTHER RESOLVED, That Troy City Council hereby **AUTHORIZES** the transmittal of the 2020-2024 Parks and Recreation Plan to the Michigan Department of Natural Resources for approval.

Yes:

No:

F. PUBLIC COMMENT FOR ITEMS ON THE AGENDA:**In accordance with the Rules of Procedure for the City Council:**

Any person not a member of the City Council may address the Council with recognition of the Chair, after clearly stating the nature of his/her inquiry or comment. **NOTE TO THE PUBLIC:** *City Council requests that if you do have a question or concern, to bring it to the attention of the appropriate department(s) whenever possible. If you feel that the matter has not been resolved satisfactorily, you are encouraged to bring it to the attention of the City Manager, and if still not resolved satisfactorily, to the Mayor and Council.*

- Petitioners of items that are included in the pre-printed agenda booklet shall be given a fifteen (15) minute presentation time that may be extended with the majority consent of City Council.

- Any member of the public, not a petitioner of an item, shall be allowed to speak for up to three (3) minutes to address any Public Hearing item.
- Any member of the public, not a petitioner of an item, does not have the right to engage in discussion or debate with City Council during the Public Comment portions of the meeting.
- All members of the public who wish to address the Council at a meeting shall be allowed to speak only if they have signed up to speak within thirty minutes before or within fifteen minutes after the meeting's start time. Signing up to speak requires each speaker provide his or her name. If the speaker is addressing an item(s) that appears on the pre-printed agenda, then the speaker shall also identify each such agenda item number(s) to be addressed.
- City Council may waive the requirements of this section by a consensus of the City Council.
- Agenda items that are related to topics where there is significant public input anticipated should initiate the scheduling of a special meeting for that specific purpose.

Prior to Public Comment for Items On the Agenda, the Mayor may provide a verbal notification of the rules of decorum for City Council meetings or refer to the pre-printed agenda booklet, which will include the following language, as approved by City Council:

The audience should be aware that all comments are to be directed to the Council rather than to City Administration or the audience. Anyone who wishes to address the Council is required to sign up to speak within thirty minutes before or within fifteen minutes of the start of the meeting. There are three Public Comment portions of the agenda. For Items On the Agenda, visitors can sign up to address Postponed, Regular Business, Consent Agenda, or Study items or any other item on the agenda. All other topics are addressed under Items Not on the Agenda. There is a timer on the City Council table in front of the Mayor that turns yellow when there is one minute of speaker time remaining, and turns red when the speaker's time is up. In order to make the meeting more orderly and out of respect, please do not clap during the meeting, and please do not use expletives or make derogatory or disparaging comments about any one person or group. If you do so, then there may be immediate consequences, including having the microphone turned off, being asked to leave the meeting, and/or the deletion of speaker comments for any re-broadcast of the meeting. Speakers should also be careful to avoid saying anything that would subject them to civil liability, such as slander and defamation. Please avoid these consequences and voluntarily assist us in maintaining the decorum befitting this great City.

G. CITY COUNCIL/CITY ADMINISTRATION RESPONSE/REPLY TO PUBLIC COMMENT:

H. POSTPONED ITEMS:

H-1 No Postponed Items

I. REGULAR BUSINESS:

I-1 Board and Committee Appointments: a) Mayoral Appointments – Board of Review, Downtown Development Authority, Local Development Finance Authority; b) City Council Appointments – Election Commission, Liquor Advisory Committee, Traffic Committee, Zoning Board of Appeals

a) Mayoral Appointments:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Board of Review

Appointed by Mayor

3 Regular Members

3 Year Term

Nominations to the Board of Review:**Term Expires: 1/31/2023****John Howard Adams**

Term currently held by: John Howard Adams

Yes:

No:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Downtown Development Authority

Appointed by Mayor

13 Regular Members

4 Year Term

Nominations to the Downtown Development Authority:**Term Expires: 9/30/2023****Timothy Blair**

Term currently held by: Timothy Blair

Term Expires: 9/30/2023**Martin Knollenberg**

Term currently held by: Martin Knollenberg

Term Expires: 9/30/2023**Brian Mioduszewski**

Term currently held by: Brian Mioduszewski

Yes:

No:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Local Development Finance Authority (LDFA)

Appointed by Mayor
5 Regular Members
Staggered 4 Year Term

Nominations to the Local Development Finance Authority (LDFA):

**Term Expires: City
Council Term**

Mayor Baker

**Alternate; City
Council Member**

Term currently held by: Vacancy

Yes:

No:

b) City Council Appointments:Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Election Commission

Appointed by Council
2 Regular Members and 1 Charter Member
1 Year Term

Nominations to the Election Commission:

Term Expires: 1/31/2021

David Anderson

Term currently held by: David Anderson

Term Expires: 1/31/20021

Harry Philo

Term currently held by: Harry Philo

Yes:

No:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Liquor Advisory Committee

Appointed by Council

7 Regular Members

3 Year Term

Nominations to the Liquor Advisory Committee:**Term Expires: 1/31/2023****Kelly Jones**

Term currently held by: Vacancy–Mr. Godlewski’s expired term

Term Expires: 1/31/2023**David Gorcyca**

Term currently held by: David Gorcyca

Yes:

No:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Traffic Committee

Appointed by Council

7 Regular Members

3 Year Term

Nominations to the Traffic Committee:**Term Expires: 1/31/2023****Richard Kilmer**

Term currently held by: Richard Kilmer

Term Expires: 1/31/2023**Al Petrulis**

Term currently held by: Al Petrulis

Term Expires: 1/31/2023**Peter Ziegenfelder**

Term currently held by: Peter Ziegenfelder

Yes:

No:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **CONFIRMS** the appointment of the following person to serve on the Boards and Committees as indicated:

Zoning Board of Appeals

Appointed by Council

7 Regular Members; 2 Alternates

3 Year Term

Term Expires: 12/31/2020

Sadek Rahman

PC Rep. on ZBA

Yes:

No:

I-2 Board and Committee Nominations: a) Mayoral Nominations – Brownfield Redevelopment Authority, Local Development Finance Authority; b) City Council Nominations – Building Code Board of Appeals, Personnel Board

a) Mayoral Nominations:

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That the Mayor of the City of Troy hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Brownfield Redevelopment Authority

Appointed by Mayor

6 Regular Members

3 Year Term

Current Members:

| Last Name | First Name | App/Resume Expire | Appointment Expire | Notes 2 |
|-----------|------------|----------------------|-----------------------|---------|
| Gottlieb | Steven | 11/24/2016 | 4/30/2022 | |

| | | | | |
|--------------|----------|------------|-----------|--------------------------------|
| Kornacki | Rosemary | 1/14/2021 | 4/30/2020 | |
| Noguez-Ortiz | Carolina | 12/19/2019 | 4/30/2020 | |
| Sweidan | Rami | 1/31/2021 | 4/30/2020 | |
| Vacancy | | | 4/30/2021 | Mr. Salgat resigned 10/15/2019 |
| Vassallo | Joseph | 3/27/2020 | 4/30/2021 | |

Nominations to the Brownfield Redevelopment Authority:**Term Expires: 4/30/2021**

Term currently held by: Vacancy–Mr. Salgat resigned 10/15/19

Interested Applicants:

| Last Name | First Name | App/Resume Expire | Notes 1 |
|-----------|------------|-------------------|---------|
| Aowad | Ayman | 9/10/2020 | |

Local Development Finance Authority (LDFA)

Appointed by Mayor
5 Regular Members
Staggered 4 Year Term

Current Members:

| Last Name | First Name | App Res Expire | Appointment Expire | Notes 1 | Notes 2 |
|------------|------------|----------------|--------------------|----------------------------|---|
| Beltramini | Robin | 7/17/2021 | 6/30/2022 | Resident Member | |
| Hodorek | Ellen | | 11/8/2021 | Alternate; City Council | City Council exp 11/8/2021 |
| Hoef | Paul | 5/1/2017 | 6/30/2023 | Resident Member | EDC exp. 4/30/2015; LDFA exp 6/30/2023 |
| Hunter | Daniel | | | Oakland County Designee | |
| Vacancy | | | | Alternate; City Council | |
| Vacancy | | | 6/30/2020 | Resident Member | D. Shield's term exp 6/30/2016 - No Reappointment |
| Vacancy | | | 6/30/2020 | Resident Member | John Sharp's unexpired term |
| Vitale | Nickolas | 3/7/2021 | 6/30/2023 | Resident Member | |

Nominations to the Local Development Finance Authority (LDFA):

Term Expires: 6/30/2020**Resident Member**

Term currently held by: Vacant

**Unexpired Term Expiring:
6/30/2020****Resident Member**

Term currently held by: Vacant – Sharp's unexpired term

Interested Applicants:

| Last Name | First Name | App Resume Expire | Notes 1 |
|--------------|------------|-------------------|----------|
| Crawford | Timothy | 6/26/2021 | At Large |
| D'Aoust | Allen | 5/23/2021 | |
| DiFalco | Melissa | 12/2/2021 | |
| McGerty | Ryan | 8/15/2020 | |
| Nacy | Emily | 11/8/2021 | |
| Noguez-Ortiz | Carolina | 12/19/2019 | |
| Pensa | Grant | 10/1/2020 | |
| Schick | Michael | 1/16/2021 | |
| Shepherd | John | 4/22/2021 | |
| Sweidan | Rami | 10/10/2021 | |
| Yu | Fu-shin | 8/20/2021 | |

Yes:

No:

b) City Council Nominations:Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Building Code Board of Appeals

Appointed by Council

5 Regular Members: Three (3) Residents with background, training or experience in construction or similar trades; at least one shall be a professional structural or civil engineer of architectural engineering experience; Two (2) by Ordinance - City Manager and Oakland County Health Department Representative

5 Year Term

Current Members:

| Last Name | First Name | App Res Expire | Appointment Expire | Notes 1 |
|-----------|------------|----------------|--------------------|---|
| Abitheira | Gary | 1/20/2014 | 1/1/2022 | Resident w/Construction/Engineering Experience. |
| Brooks | Teresa | 1/4/2019 | | Oakland County Health Dept Sanitarian |
| Dziurman | Matthew | 3/6/2021 | 1/1/2025 | Resident w/Construction Experience. |
| Frisen | Sande | 11/2/2017 | 1/1/2020 | Architectural Engineer |
| Miller | Mark F. | | | Per Chapter 79, Sect 116.2 |

Nominations to the Building Code Board of Appeals:**Term Expires: 1/1/2025**

Term currently held by: Sande Frisen

Interested Applicants:

| Last Name | First Name | App/Resume Expire | Notes 1 | Notes 2 |
|-----------|------------|-------------------|------------------------|---------------------------------|
| Ali | Aleem | 1/2/2021 | Engineering experience | |
| Chambers | Barbara | 2/26/2021 | | Historic Dist Comm exp 3/1/2020 |

Personnel Board

Appointed by Council
5 Regular Members
3 Year Term

Current Members:

| Last Name | First Name | App/Resume Expire | Appointment Expire | Notes 1 |
|-----------|------------|-------------------|--------------------|---------|
| Baughman | Deborah | 2/24/2019 | 4/30/2020 | |
| Gordon | Pamela | 4/2/2020 | 4/30/2021 | |
| Parpart | Jane | 3/13/2020 | 4/30/2021 | |
| Rosenberg | Michael | 4/19/2015 | 4/30/2020 | |
| Vacancy | | | 4/30/2021 | |

Nominations to the Personnel Board:**Term Expires: 4/30/2021**

Term currently held by: Vacancy

Interested Applicants:

| Last Name | First Name | App Resume Expire | Notes 1 |
|-----------|------------|-------------------|---------|
| Forster | Jeffrey | 1/13/2022 | |
| Murray | William | 4/16/2020 | |

Yes:

No:

I-3 Request for Closed Session

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

BE IT RESOLVED, That Troy City Council **SHALL MEET** in Closed Session, as permitted by MCL 15.268 (c) (Troy Command Officers Association).

Yes:

No:

I-4 City Council Vacancy *(Introduced by: Lori Grigg Bluhm, City Attorney)*

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **ACCEPTS** the resignation of Council Member Pennington.

BE IT FURTHER RESOLVED, That Troy City Council hereby **DECLARES VACANT** the City Council Member office formerly held by Ed Pennington effective January 27, 2020.

BE IT FURTHER RESOLVED, That Troy City Council hereby **APPROVES** City Administration's recommended procedure for filling the vacancy, as set forth in the attached memorandum.

Yes:

No:

J. CONSENT AGENDA:

J-1a Approval of "J" Items NOT Removed for Discussion

Suggested Resolution

Resolution #2020-01-

Moved by

Seconded by

RESOLVED, That Troy City Council hereby **APPROVES** all items on the Consent Agenda as presented with the exception of Item(s) _____, which shall be **CONSIDERED** after Consent Agenda (J) items, as printed.

Yes:

No:

J-1b Address of “J” Items Removed for Discussion by City Council

J-2 Approval of City Council Minutes

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **APPROVES** the following Minutes as submitted:

- a) City Council Special Meeting Minutes-Draft - January 13, 2020
- b) City Council Minutes-Draft – January 13, 2020

J-3 Proposed City of Troy Proclamations: None Submitted

J-4 Standard Purchasing Resolutions: None Submitted

J-5 Traffic Committee Recommendations and Minutes – January 15, 2020

Suggested Resolution

Resolution #2020-01-

4. Request for Traffic Control – North Lake Drive at Sherwood Drive

RESOLVED, That the intersection of North Lake Drive at Sherwood Drive be **MODIFIED** from no traffic control to ALL-WAY STOP control at the intersection of Sherwood Drive at North Lake Drive.

J-6 Fireworks Permit – 2020 Woodside Bible Church “Nite to Shine” Event

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **ISSUES** a fireworks permit to Wolverine Fireworks Display, Inc. of Kawkawlin, Michigan, for the public display of fireworks at 6600 Rochester, Troy, Michigan, for the “2020 Nite to Shine” celebration sponsored by Woodside Bible Church, on Friday February 7, 2020, contingent upon verification of the required insurance documentation.

BE IT FURTHER RESOLVED, That the Troy Fire Department **WILL INSPECT** the fireworks to be displayed in advance, **REVIEW** the proposed discharge location(s) and site, **ASSURE** that the

required insurance documentation is provided to the City, and **MAY TAKE ANY ACTION** to assure safety and compliance with applicable codes and standards for such a fireworks display.

J-7 Fireworks Permit – 2020 Mon Jin Lau “Chinese New Year Celebration”

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **ISSUES** a fireworks permit to Mr. Brandon Chin, of Troy, Michigan, for the public display of fireworks at 1515 E. Maple Rd., Troy, Michigan, for the “2020 Chinese New Year” celebration, on Sunday February 9, 2020, contingent upon verification of the required insurance documentation.

BE IT FURTHER RESOLVED, That the Troy Fire Department **WILL INSPECT** the fireworks to be displayed in advance, **REVIEW** the proposed discharge location(s) and site, **ASSURE** that the required insurance documentation is provided to the City, and **MAY TAKE ANY ACTION** to assure safety and compliance with applicable codes and standards for such a fireworks display.

J-8 2020 Specialized Services Operating Assistance Program

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **APPROVES** the agreement between SMART and the City of Troy for the Specialized Services Operating Assistance Program that includes \$27,692 in revenue, which will be used for the Troy R.Y.D.E transportation service, and the Mayor and City Clerk are **AUTHORIZED** to execute the necessary documents; a copy of this agreement shall be **ATTACHED** to the original Minutes of this meeting.

J-9 Request for Acceptance of a Permanent Easement for Storm Sewers and Surface Drainage from Daniel M. and Patricia A. Van Hemm – Sidwell #88-20-15-352-031

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **ACCEPTS** a permanent easement for storm sewers and surface drainage from Daniel M. and Patricia A. Van Hemm, owners of the property having Sidwell #88-20-15-352-031.

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED TO RECORD** the permanent easement with Oakland County Register of Deeds, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

J-10 Request for Acceptance of Four Permanent Easements for Storm Sewers and Surface Drainage, and Sidewalks from GFA Development, Inc. – Sidwell #88-20-15-353-049 and -050

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **ACCEPTS** four permanent easements for storm sewers and surface drainage, and sidewalks from GFA Development, Inc., owner of the properties having Sidwell #88-20-15-353-049 & 050, and

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED** to **RECORD** the permanent easements with Oakland County Register of Deeds, copies of which shall be **ATTACHED** to the original Minutes of this meeting.

J-11 Authorization for Outside Counsel for City of Troy v Troy BCBA

Suggested Resolution

Resolution #2020-01-

RESOLVED, That Troy City Council hereby **WAIVES** the Competitive Bid process, as allowed under Troy's City Charter, Section 12.1, for the "employment of professional services," and **AUTHORIZES** the retention of *Rosati, Schultz, Joppich and Amtsbuechler* to represent the City of Troy's interests in the City of Troy v. Troy Building Code Board of Appeals matter, Oakland County Circuit Court case number 2019-176861-AA.

K. MEMORANDUMS AND FUTURE COUNCIL AGENDA ITEMS:

K-1 Announcement of Public Hearings:

- a) February 10, 2020 – Rezoning Request (Z JPLN2019-0030) – Proposed Clearview Homes Rezoning, Southwest Corner of Rochester Road and DeEtta Avenue, Sidwell #88-20-03-278-027, Section 3, From R-1B (One Family Residential) to O (Office) District
- b) February 10, 2020 – Rezoning Request (Z JPLN2019-0015) – Proposed Sylvanwood Court RT Development Rezoning, Northwest Corner of Rochester Road and Sylvanwood, Sidwell #88-20-10-426-029, -030, and -031), Section 10, From R-1C (One Family Residential) to RT (One Family Attached Residential) Zoning District

K-2 Memorandums (Items submitted to City Council that may require consideration at some future point in time):

- a) Changes to Volunteer Firefighters Incentive Program

L. PUBLIC COMMENT FOR ITEMS NOT ON THE AGENDA:

M. CITY COUNCIL/CITY ADMINISTRATION RESPONSE/REPLY TO PUBLIC COMMENT:

N. COUNCIL REFERRALS:

Items Advanced to the City Manager by the Mayor and City Council Members for Placement on the Agenda

N-1 No Council Referrals

O. COUNCIL COMMENTS:

O-1 No Council Comments Advanced

P. REPORTS:

P-1 Minutes – Boards and Committees:

- a) Parks and Recreation Board-Final – September 19, 2019
 - b) Civil Service Commission (Act 78)-Final – November 14, 2019
 - c) Zoning Board of Appeals-Final – November 19, 2019
 - d) Traffic Committee Minutes-Final – November 20, 2019
 - e) Zoning Board of Appeals-Final – December 17, 2019
 - f) Civil Service Commission (Act 78)-Draft – January 9, 2020
 - g) Planning Commission-Draft – January 14, 2020
-

P-2 Department Reports:

- a) City Manager Status Report
-

P-3 Letters of Appreciation: None Submitted

P-4 Proposed Proclamations/Resolutions from Other Organizations: None Submitted

Q. CLOSED SESSION

Q-1 Closed Session

R. ADJOURNMENT:

Respectfully submitted,



Mark F. Miller
City Manager

2020 SCHEDULED SPECIAL CITY COUNCIL MEETINGS:

February 4, 2020 Joint Special City Council/Planning Commission Meeting (7:00 PM)
February 13, 2020 Special Meeting – Strategic Planning (6:00 PM)
Room 303 at the Troy Community Center, 3179 Livernois
March 2, 2020 Special Meeting – Personnel Evaluations
March 23, 2020 Special Meeting – Personnel Evaluations
April 20, 2020 Special Meeting - Budget
April 22, 2020 Special Meeting - Budget

2020 SCHEDULED REGULAR CITY COUNCIL MEETINGS:

February 10, 2020 Regular Meeting
February 24, 2020 Regular Meeting
March 16, 2020 Regular Meeting
March 30, 2020 Regular Meeting
April 13, 2020 Regular Meeting
April 27, 2020 Regular Meeting
May 11, 2020 Regular Meeting
May 18, 2020 Regular Meeting
June 1, 2020 Regular Meeting
June 22, 2020 Regular Meeting
July 13, 2020 Regular Meeting
July 27, 2020 Regular Meeting
August 10, 2020 Regular Meeting
August 24, 2020 Regular Meeting
September 14, 2020 Regular Meeting
September 21, 2020 Regular Meeting
October 12, 2020 Regular Meeting
October 26, 2020 Regular Meeting
November 9, 2020 Regular Meeting
November 23, 2020 Regular Meeting
December 7, 2020 Regular Meeting
December 14, 2020 Regular Meeting

**PROCLAMATION TO RECOGNIZE
CELEBRATION OF “YOGA FOR HEALTH, HEALTH FOR HUMANITY
SURYA NAMASKAR YAJNA 2020”
JANUARY 18 - February 2, 2020**

WHEREAS, Yoga is the ancient practice of keeping the mind, body, and spirit in good health; and

WHEREAS, **Hindu Swayamsevak Sangh (HSS)** is a non-profit social and cultural organization that aims to preserve and pass on ancient Hindu heritage and cultural values of universal brotherhood and selfless service to the next generation and to raise awareness of Hindu culture worldwide; and

WHEREAS, The ***Surya Namaskar*** also known as **Sun Salutation**, integrates simple yoga postures that, along with breathing techniques, provide the practitioner with the key health benefits of yoga practice; and

WHEREAS, **HSS** is organizing the annual “**Yoga for Health, Health for Humanity**” or “**Surya Namaskar Yajna - 2020**” with a goal to create awareness about Yoga and its advantages in achieving a healthy body, mind and spirit and thereby promote friendship, mutual understanding and good health among all members of the community; and

WHEREAS, **HSS** initiated this project in 2006 and participants from over 42 states in the United States of America have participated in this event regardless of individual faith and belief; and

WHEREAS, The **Bharatiya Temple** in the City of Troy has participated in this event for the past 13 years. Yoga enthusiasts, yoga studios, local schools, and community organizations from across the United States are committed to participating in this event; and

WHEREAS, Anyone, regardless of age, religion, gender, or race, is invited to include **Surya Namaskar** as part of their daily physical and spiritual practice to contribute to achieving this goal;

NOW, THEREFORE, BE IT RESOLVED, That the Troy City Council recognizes **January 18 – February 2, 2020**, as “**Yoga for Health, Health for Humanity - Surya Namaskar Yajna 2020**” in the City of Troy; and

BE IT FURTHER RESOLVED, That the City of Troy thanks **Hindu Swayamsevak Sangh** for their outstanding job helping to preserve and promote the ancient heritage and cultural values around the world.

Presented this 27th day of January, 2020



500 West Big Beaver
Troy, MI 48084
troymi.gov

E-01

CITY COUNCIL AGENDA ITEM

Date: January 23, 2020

To: Honorable Mayor and Troy City Council

From: Mark F. Miller, City Manager
Robert J. Bruner, Assistant City Manager
Elaine Bo, Recreation Director
Kurt Bovensiepe, Public Works Director

Subject: City of Troy 2020-2024 Parks and Recreation Master Plan – Public Hearing

Background

City staff and consultant Carlisle/Wortman Associates, Inc has been working on the 2020-2024 Parks and Recreation Plan for the last six months. The Parks and Recreation Plan will serve as an inventory of Troy's existing facilities and resources while providing a guide and plan of action for the next five years.

As part of this process, staff conducted 'pop-up' style surveys at various City events over the summer as well as publicized a survey to gather public input for the plan.

Carlisle/Wortman compiled and analyzed results from the public input surveys and provided a list of Goals and Objectives as well as an Action Program with six specific projects and actions:

1. Maintain and upgrade existing park facilities (all parks)
2. Develop a comprehensive trails and pathways system throughout Troy
3. Pursue alternative revenue opportunities to maintain and improve Parks and Recreation facilities and programs
4. Review and refine recreation program offerings
5. Supplement and increase the existing urban forest
6. Increase awareness of Troy Recreation properties and programming

Additional details regarding the Action Program and can be found on Page 94 of the draft plan. A complete list of survey results can be found on page 113 of the draft plan.

On Thursday, December 5th, the draft plan was presented to the Parks and Recreation Advisory Board for their review. The plan was unanimously approved. Upon City Council approval of the 2020-2024 Parks and Recreation Plan, the plan will be submitted to the Michigan Department of Natural Resources for official certification.

Recommendation

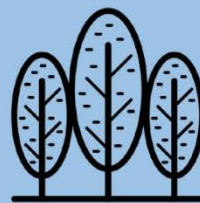
It is recommended that City Council concurs with the recommendations of the Parks and Recreation Advisory Board, and approves the City of Troy 2020-2024 Parks and Recreation Plan. It is also recommended that the City Council authorize the transmittal of the 2020-2024 Parks and Recreation Plan to the Michigan Department of Natural Resources for approval.

2020-2024 PARKS & RECREATION MASTER PLAN PUBLIC HEARING

JANUARY 27, 2020

2019 Strategies

#7 – Update the Parks and Recreation Master Plan and incorporate the Green Space Subcommittee recommendations to protect and invest in the City's parks



Parks & Recreation Master Plan Components

Community description

Description of planning public and input process

Administrative structure

Goals and objectives

Inventory of parks, natural areas and recreational facilities

Action program

3

TABLE B: LOCAL PARK & RECREATION FACILITY AMENITIES

| Name | Donald J. Flynn Park | North Glen Park | Freightless Park | Dyann Glen Lake Park | Jaycee Park | Beach Road Park | Schroeder Park | Solan Park | Phillip J. Nolan Park | T. Troy & Barbara Knight Park / Casey Knight Dog Park | Satoway Park | Valerius Park | James Tait Park |
|-----------------------------------|----------------------|-----------------|------------------|----------------------|-------------|-----------------|----------------|------------|-----------------------|---|--------------|---------------|-----------------|
| Park Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Amenity | | | | | | | | | | | | | |
| Parking | 301 | 0 | 368 | 10 | 198 | 35 | 0 | 416 | 0 | 27 | 0 | 122 | 0 |
| Restroom Facilities | 2 | 0 | 2 | 0 | 2 | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 |
| Concession Area | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Drinking Fountain | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 2 | 0 |
| Bar-B-Que | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| Picnic shelters | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 |
| Benches | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| Paved Pathway | 2040 | 0 | 4870 | 0 | 2750 | 110 | 0 | 6498 | 0 | 890 | 1758 | 8016 | 3342 |
| Unpaved Pathway | 0 | 2200 | 4500 | 748 | 0 | 0 | 130 | 0 | 6864 | 0 | 0 | 0 | 376 |
| Playscape Features | 1 | 0 | 2 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 1 |
| Swing Set Apparatus | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 2 |
| SV 5 Soccer Fields | 0 | 0 | 0 | 0 | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 v 6 Soccer Fields | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 v 8 Soccer Fields | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 11 v 11 Soccer Fields | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Football Field | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Football Practice Field | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Baseball Field | 4 | 0 | 1 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 |
| Lacrosse Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Lacrosse Practice Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Tennis Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Pickleball Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Basketball Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sand Volleyball Court | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| Disc Golf Course | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| Swimming pool (indoor) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swimming pool (outdoor) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Splash pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fitness Room / Course | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meeting rooms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Skate Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shuffleboard Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Boxer Ball Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dog Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Golf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Restaurant / Dining | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Educational / Historical / Museum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Recreation Inventory 30

| Name | Big Beaver Road Park | Brenton Park | Robnwood Park | Redwood Park | Whitton Park | Sandaway Lake Golf Course | Lord & Stagg Nature Center | Troy Farm | Dyann Glen Golf Course | Troy Family Aquatic Center / Troy Request Club | Troy Community Center | Troy Trail | Troy Historic Village |
|-----------------------------------|----------------------|--------------|---------------|--------------|--------------|---------------------------|----------------------------|-----------|------------------------|--|-----------------------|------------|-----------------------|
| Park Number | 14 | 15 | 16 | 17 | 18 | A | B | C | D | E | F | G | H |
| Amenity | | | | | | | | | | | | | |
| Parking | 0 | 108 | 0 | 10 | 25 | 278 | 54 | 24 | 352 | 249 | 528 | 27 | 52 |
| Restroom Facilities | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 |
| Concession Area | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Drinking Fountain | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bar-B-Que | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Picnic shelters | 0 | 1 | 2 | 1 | 1 | 190 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benches | 0 | 6 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| Paved Pathway | 2085 | 1093 | 5280 | 210 | 2878 | 0 | 1200 | 0 | 0 | 0 | 9675 | 6700 | 1140 |
| Unpaved Pathway | 0 | 0 | 0 | 0 | 0 | 0 | 6800 | 0 | 0 | 0 | 0 | 0 | 0 |
| Playscape Features | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Swing Set Apparatus | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SV 5 Soccer Fields | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 v 6 Soccer Fields | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 v 8 Soccer Fields | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 v 11 Soccer Fields | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Football Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Football Practice Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Baseball Field | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lacrosse Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lacrosse Practice Field | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennis Court | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pickleball Court | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Basketball Court | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sand Volleyball Court | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Disc Golf Course | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swimming pool (indoor) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Swimming pool (outdoor) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Splash pad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Fitness Room / Course | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meeting rooms | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Skate Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Shuffleboard Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| Boxer Ball Court | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Dog Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Golf | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 18 | 0 | 0 | 0 | 0 |
| Restaurant / Dining | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Educational / Historical / Museum | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |

City of Troy Parks & Recreation Plan 2020 - 2024 31

Troy Historic Village

60 W. Wattles Road (17 Mile Road), on the northwest corner of Wattles and Livernois.

The Troy Historical Society, established as a 501.c.3 nonprofit corporation in 1966, administers the Troy Historic Village for the City of Troy through a renewable management agreement. Troy Historical Society provides engaging education and enrichment programs at the city-owned Troy Historic Village as well as outreach programs for schools and adult groups. Nearly 30,000 guests visit the Village each year, including 15,000 students, chaperones, and teachers from public, private and charter schools in southeast Michigan. The Troy Historical Society is committed to expanding awareness of the Village as an outstanding center for history education, arts and culture and inclusive community engagement.



Troy Historic Village included in
Parks and Recreation Plan

5

Public Engagement Summary

- Online survey available July 8th – September 9th
- 734 online survey responses
- Community ‘pop-up’ surveys – 231 completed
- 965 total responses

6

Public Engagement Summary

What's Important?

- Maintenance
- Programming (maintaining existing and developing new)
- Development of community wide trail system

Amenity Requests

- Multi-use walking paths
- Rustic walking paths
- Splash pad
- Playground structures
- Fitness/exercise trails

Topics Mentioned

- Handball/pickleball courts
- Preservation of existing natural resources
- Maintenance of sports fields

Other

- High satisfaction rating of parks
- 75% would like trail network developed
- 71% willing to pay for upgrades

7

Master Plan – Goals and Objective

A: Continue to provide a range of parks and recreational activities to meet the needs of all components of the population and all geographic areas of the city.

B: Encourage usable and open space and recreation facilities in subdivisions, apartments and condominiums, and other residential developments

C: Actively promote parks and recreational facilities and opportunities

D: Implement innovative techniques of maintaining acceptable levels of service

E: Practice sound fiscal management of the parks and recreation system

8

Master Plan – Action Plan

1. Maintain and upgrade existing park facilities

Safety surfaces, drainage issues, park furnishings, new playing fields, ADA accessibility, etc.

2. Develop a comprehensive trails and pathway system throughout Troy

3. Pursue alternate revenue opportunities to maintain and improve parks and recreation facilities and programs

Public/private partnerships, seek grant opportunities

4. Review and refine recreation program offerings

5. Supplement and increase an existing urban forest

6. Increase awareness of Troy recreation properties and programming

Development of consistent signage on developed and undeveloped park properties

9

FIGURE 19A: SYLVAN GLEN LAKE PARK CONCEPT PLAN



Action Plan.....96

FIGURE 19B: SYLVAN GLEN LAKE PARK CONCEPT PLAN



City of Troy Parks & Recreation Plan 2020 - 2034 97

10

Public Review and Approval

- Draft approved by Parks and Recreation Advisory Board on December 5, 2019
- Public review and comment period: December 9, 2019 through January 10, 2020
- Public Hearing and City Council Approval



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: January 23, 2020

To: Honorable Mayor and Troy City Council Members

From: Mark F. Miller, City Manager
Lori Grigg Bluhm, City Attorney

Subject: City Council Vacancy (Introduced by City Attorney Lori Grigg Bluhm)

Council Member Pennington announced his resignation from City Council during the Monday, January 13, 2020 regular City Council meeting. The purpose of this memo is to advise the City Council regarding the procedure to fill the vacancy.

Resignation

City Charter Section 6.5 requires resignations of elective officers to be made in writing and filed with the City Clerk. Council Member Pennington filed the attached written resignation with the City Clerk. City Charter Section 6.5 also requires resignations to “be acted upon by the Council at its next regular meeting following receipt thereof by the Clerk.” Accordingly, the City Council will formally accept the resignation at its Monday, January 27, 2020 regular meeting.

Vacancy

City Charter Section 6.2 provides any elective City office shall be declared vacant by the Council for any reason specified by statute or by the City Charter. While the City Charter does not expressly recognize resignation as a reason for a vacancy in Section 6.2, state statute does. As part of the election law statutes, MCL 201.3 provides that every office shall become vacant upon resignation of the incumbent. This statute extends to municipal elected offices. Accordingly, the City Council shall declare the office vacant at its Monday, January 27, 2020 regular meeting.

Filling the Vacancy

Filling the vacancy includes the appointment of a successor within 30 days of the vacancy and the subsequent election of a successor on Tuesday, August 4, 2020.

Appointment

City Charter Section 6.7 requires a majority of the City Council act to fill a City Council vacancy within 30 days. The term of the appointed successor will end at 7:30 PM on Monday, August 10, 2020, the first regular City Council meeting following the August 4, 2020 election.



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Election

City Charter Section 6.7 provides the election of a successor shall be on the next November or even-year August Election date. Accordingly, a successor will be elected on August 4, 2020. The elected successor will serve the rest of the term from Monday, August 10, 2020 until 7:30 PM on Monday, November 8, 2021.

Candidates, including the appointed successor, seeking the elective office must file nominating petitions by 4:00 PM on April 21, 2020. The withdrawal deadline elapses at 5:00 PM on April 24. The City Clerk's Office will make filing packets available on Monday, February 3, 2020.

Recommendation

City Administration recommends the following schedule for appointing a successor:

- **Tuesday, January 28, 2020 through Friday, February 7, 2020:** Qualified and registered electors of the City desiring to be considered for appointment will submit an application to the City Clerk on or before February 7, 2020 at 12:00 PM (noon). City Administration will provide public notice of the eligibility requirements, application process and deadlines. Applications for appointment may remain confidential if the applicant requests confidentiality.
- **Monday, February 10, 2020 Regular City Council Meeting:** All applications received before the deadline will be shared with the City Council prior to this meeting. Each City Council Member will review the applications and come to the meeting prepared to identify his or her top five applicants. Applicants requesting confidentiality will be identified by a number rather than by name. City Administration will tally the number of times each applicant is identified among a City Council member's top five. The five applicants receiving the greatest number of "votes" will then be invited to interview at the February 24, 2020 Regular City Council meeting. The identity of any confidential applicants will be released after he or she confirms his or her willingness to participate in the public interview.
- **Monday, February 24, 2020 Regular City Council Meeting:** The City Council will conduct public interviews and fill the vacancy "by a majority vote of the remaining members of the Council" pursuant to City Charter Section 6.7. The term of the appointed successor will end at 7:30 PM on Monday, August 10, 2020.

January 22, 2020

City Of Troy
500 W. Big Beaver
Troy, Michigan 48084

Dear Mayor and Troy City Council:

Please be advised that I am submitting my resignation as a member of Troy City Council, effective immediately. I am disappointed that some current council members feel that there is a conflict of interest in Pennington Collision repairing vehicles for the city while simultaneously serving on City Council. I agree with Mayor Baker that seven years without conflict should be sufficient proof that there is no need for concerns to arise now. Pennington Collision has been repairing city vehicles on and off for 52 years and will be proud to continue this relationship moving forward.

It has been my honor to represent the residents of Troy for seven years. I am proud to have been a major force in bringing a divided council together and for helping to make this great city a better place in which to live and work.

Sincerely,

A handwritten signature in black ink that reads "Ed Pennington". The signature is written in a cursive style with a large, stylized "E" and "P".

Ed Pennington



CITY OF TROY | CITY CLERK'S OFFICE | 500 WEST BIG BEAVER | TROY, MI 48084
248-524-3316 | FAX: 248-524-1770 | E-MAIL: CLERK@TROYSI.GOV

Application for City Council Appointment

APPLICATIONS DUE TO THE CITY CLERK BY FEBRUARY 7, 2020 at NOON
PUBLIC INTERVIEWS TO BE HELD ON FEBRUARY 24, 2020 at 7:30 PM

☐

Check box to keep application confidential

Thank you for your interest in serving on City Council. The purpose of this form is to provide the Mayor and City Council with basic information about applicants considered for appointment.

(PLEASE PRINT OR TYPE)

Date: _____

Name: _____ Phone: _____

Address: _____ City/Zip _____

Employer: _____ Phone: _____

Address: _____ City/Zip _____

E-Mail: _____

How long have you lived continuously in the City of Troy? _____

Are you a registered voter in the City of Troy? Yes ☐ No ☐

Are you affiliated with any political party? Yes ☐ No ☐

Are you a graduate of Troy's Citizen Academy? Yes ☐ No ☐

(Verified by Clerk's Office)

Are you related to an elected official or employee of the City of Troy? Yes ☐ No ☐

Insert your relationship to elected official or employee of the City of Troy: _____

Have you ever been convicted for anything other than a minor traffic violation? Yes ☐ No ☐

City Administration utilizes electronic methods to disseminate information for meetings. Are you able to take advantage of electronic documents (email, Internet access, home computer)? Yes ☐ No ☐

Professional Qualifications and/or Work Experience: _____

Community Activities and/or Other Experience: _____

Educational Background:

References (Please list name and address):

Indicate reasons for desiring to serve:

Applicant's Signature:

FOR OFFICE USE ONLY

Received by:

Date:

☐ Confirmed voter status

☐ Confirmed current *Full Disclosure Statement* on file

☐ Confirmed compliance with applicable federal, state and local statutes

Confirmed by:



Full Disclosure Statement

BOARD & COMMITTEE:

City Council

Name:

(Last)

(First)

(Middle Initial)

(Spouse)

Home Address:

(Street Number & Name)

(City)

(State)

(Zip)

NOTE: The following sections also apply to joint property ownership and contributions/donations/gifts to your spouse, children and spouse of any of them.

REAL ESTATE - Property A (listed above)

☐

Not Applicable: I do not own wholly or a portion of the [above](#) real estate listed as my home address.

☐

I hereby disclose that the following is a complete description of the [above](#) real estate listed as my home address and is **owned** by me, wholly or in part.

Co-Owner(s):

Parcel#

Town & Range

Section #

Lot Size

Subdivision/
Condo Name

Lot, Bldg
and/or Unit#:

REAL ESTATE - Property B

☐

Not Applicable - I do not own any [other](#) real estate wholly or a portion of any real estate.

☐

I hereby disclose that the following is a complete description of [other](#) real estate owned by me, wholly or in part.

Property Address:

(Street Number & Name)

(City)

(State)

(Zip)

Co-Owner(s) and/or Principal Officers:

Parcel#

Town & Range

Section #

Lot Size

Subdivision/
Condo Name

Lot, Bldg
and/or Unit#:

☐

Check box if additional sheets listing [other properties](#) (include vacation and rental properties) are attached.

NOTE: The following sections also apply to joint property ownership and contributions/donations/gifts to your spouse, children and spouse of any of them.

CORPORATIONS, PARTNERSHIPS, JOINT VENTURES OR SOLE PROPRIETORSHIPS

☐ Not Applicable

☐ I hereby disclose that the following is a complete listing of all corporations, partnerships, private ventures, sole ownerships or proprietorships in which I presently possess or have possessed ownership interests during the past twelve (12) months, and which are doing or have done business in the City of Troy, as well as those located in the City of Troy.

Name of Firm & Principal Officers: _____

Principal Address of Firm: _____

☐ **Check box** if additional sheets listing [additional firms and/or principal officers](#) are attached.

POLITICAL CONTRIBUTIONS, DONATIONS AND GIFTS

☐ Not Applicable

☐ The following is a true and complete list of all contributions, donations, and/or gifts, received from land developers, real estate companies, real estate brokers, contractors, and/or any combination of businesses or firms doing business with the City of Troy requiring licenses, permits, zoning changes, or variances required to operate in the City of Troy.

☐ **Check box** if Michigan Department of State "Campaign Finance Statement" can be accessed at: <https://courts.oakgov.com/cfrs/>

☐ **Check box** if Michigan Department of State "Campaign Finance Statement" is attached itemizing Candidate Committee campaign contributions.

☐ **Check box** if additional sheets listing [additional contributions](#) are attached.

I hereby certify that the above statements are true and accurate.

X

Signature Required

Date

A. CALL TO ORDER:

A Special Meeting of the Troy City Council was held on Monday, January 13, 2020, at City Hall, 500 W. Big Beaver Rd. Mayor Baker called the meeting to order at 6:02 PM.

B. ROLL CALL:

Mayor Ethan Baker
Edna Abraham
Theresa Brooks
Ann Erickson Gault
Mayor Pro Tem David Hamilton
Ellen Hodorek
Ed Pennington

C. PUBLIC COMMENT:

D. BUSINESS STATED IN THE SPECIAL MEETING NOTICE:

D-1 City Council Orientation

E. OTHER BUSINESS:

F. ADJOURNMENT:

The Meeting **ADJOURNED** at 7:02 PM.

Mayor Ethan Baker

M. Aileen Dickson, MMC
City Clerk

Mr. Wade Fleming performed the Invocation. The Pledge of Allegiance to the Flag was given.

A. CALL TO ORDER:

A Regular Meeting of the Troy City Council was held on Monday, January 13, 2020, at City Hall, 500 W. Big Beaver Rd. Mayor Baker called the meeting to order at 7:33 PM.

B. ROLL CALL:

Mayor Ethan Baker
Edna Abraham
Theresa Brooks
Ann Erickson Gault
Mayor Pro Tem David Hamilton
Ellen Hodorek
Ed Pennington

C. CERTIFICATES OF RECOGNITION AND SPECIAL PRESENTATIONS:

C-1 Proclamation in Recognition of Paula and Wade Fleming for Many Years of Service to the City of Troy *(Presented by: Mayor Ethan Baker)*

D. CARRYOVER ITEMS:

D-1 No Carryover Items

E. PUBLIC HEARINGS:

E-1 No Public Hearings

F. PUBLIC COMMENT FOR ITEMS ON THE AGENDA:

G. CITY COUNCIL/CITY ADMINISTRATION RESPONSE/REPLY TO PUBLIC COMMENT:

H. POSTPONED ITEMS:

H-1 No Postponed Items

I. REGULAR BUSINESS:

I-1 Board and Committee Appointments: a) Mayoral Appointments – Planning Commission; b) City Council Appointments – Building Code Board of Appeals

a) Mayoral Appointments:

Resolution #2020-01-002

Moved by Baker
Seconded by Hamilton

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Planning Commission

Appointed by Mayor
9 Regular Members
3 Year Term

Nominations to the Planning Commission:

Term Expires: 12/31/2022

Marianna Perakis

Term currently held by: Barbara Fowler

Term Expires: 12/31/2022

Thomas Krent

Term currently held by: Thomas Krent

Term Expires: 12/31/2022

Sadek Rahman

Term currently held by: Sadek Rahman

Yes: All-7
No: None

MOTION CARRIED

b) City Council Appointments:

Resolution #2020-01-003
Moved by Hamilton
Seconded by Erickson Gault

RESOLVED, That Troy City Council hereby **APPOINTS** the following nominated person(s) to serve on the Boards and Committees as indicated:

Building Code Board of Appeals

Appointed by Council

5 Regular Members: Three (3) Residents with background, training or experience in construction or similar trades; at least one shall be a professional structural or civil engineer of architectural engineering experience; Two (2) by Ordinance - City Manager and Oakland County Health Department Representative

5 Year Term

Nominations to the Building Code Board of Appeals:

Term Expires: 1/1/2025

Matthew Dziurman

Term currently held by: Andrew Schuster-No Reappointment

Yes: All-7
No: None

MOTION CARRIED

I-2 Board and Committee Nominations: a) Mayoral Nominations – Board of Review, Downtown Development Authority, Local Development Finance Authority; b) City Council Nominations – Election Commission, Liquor Advisory Committee, Traffic Committee

a) Mayoral Nominations:

Resolution #2020-01-004
Moved by Baker
Seconded by Abraham

RESOLVED, That the Mayor of the City of Troy hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Board of Review
Appointed by Mayor
3 Regular Members
3 Year Term

Nominations to the Board of Review:

Term Expires: 1/31/2023

John Howard Adams

Term currently held by: John Howard Adams

Yes: All-7
No: None

MOTION CARRIED

Resolution #2020-01-005
Moved by Baker
Seconded by Abraham

RESOLVED, That the Mayor of the City of Troy hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Downtown Development Authority
Appointed by Mayor
13 Regular Members
4 Year Term

Nominations to the Downtown Development Authority:**Term Expires: 9/30/2023****Timothy Blair**

Term currently held by: Timothy Blair

Term Expires: 9/30/2023**Martin Knollenberg**

Term currently held by: Martin Knollenberg

Term Expires: 9/30/2023**Brian Mioduszewski**

Term currently held by: Brian Mioduszewski

Yes: All-7
 No: None

MOTION CARRIED

Resolution #2020-01-006
 Moved by Baker
 Seconded by Erickson Gault

RESOLVED, That the Mayor of the City of Troy hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Local Development Finance Authority (LDFA)

Appointed by Mayor
 5 Regular Members
 Staggered 4 Year Term

Nominations to the Local Development Finance Authority (LDFA):**Term Expires: City
Council Term****Mayor Baker****Alternate; City
Council Member**

Term currently held by: Vacancy

Yes: All-7
 No: None

MOTION CARRIED**b) City Council Nominations:**

Resolution #2020-01-007
 Moved by Hamilton
 Seconded by Hodorek

RESOLVED, That Troy City Council hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Election Commission

Appointed by Council
2 Regular Members and 1 Charter Member
1 Year Term

Nominations to the Election Commission:

Term Expires: 1/31/2021

David Anderson

Term currently held by: David Anderson

Term Expires: 1/31/20021

Harry Philo

Term currently held by: Harry Philo

Yes: All-7
No: None

MOTION CARRIED

Resolution #2020-01-008
Moved by Hamilton
Seconded by Brooks

RESOLVED, That Troy City Council hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Liquor Advisory Committee

Appointed by Council
7 Regular Members
3 Year Term

Nominations to the Liquor Advisory Committee:

Term Expires: 1/31/2023

Kelly Jones

Term currently held by: Vacancy–Mr. Godlewski’s expired term

Term Expires: 1/31/2023

David Gorcyca

Term currently held by: David Gorcyca

Yes: All-7
No: None

MOTION CARRIED

Resolution #2020-01-009

Moved by Hamilton

Seconded by Brooks

RESOLVED, That Troy City Council hereby **FORWARDS** the following nominated person(s) to serve on the Boards and Committees as indicated to the next Regular City Council Meeting for action:

Traffic Committee

Appointed by Council

7 Regular Members

3 Year Term

Nominations to the Traffic Committee:

Term Expires: 1/31/2023

Richard Kilmer

Term currently held by: Richard Kilmer

Term Expires: 1/31/2023

Al Petrulis

Term currently held by: Al Petrulis

Term Expires: 1/31/2023

Peter Ziegenfelder

Term currently held by: Peter Ziegenfelder

Yes: All-7

No: None

MOTION CARRIED

I-3 Request for Closed Session

Resolution #2020-01-010

Moved by Erickson Gault

Seconded by Hamilton

RESOLVED, That Troy City Council **SHALL MEET** in Closed Session, as permitted by MCL 15.268(e) - pending litigation – *Crossroads Outdoor, LLC, et al v City of Troy; United States of America v. City of Troy and ADAM v. City of Troy; Barnwell v. City of Troy*; and MCL 15.268 (h)-MCL 15.243(g).

Yes: All-7

No: None

MOTION CARRIED

I-4 City of Troy Redevelopment Ready Communities Baseline Report (Introduced by: Drew Benson, Assistant to the City Manager)

Resolution #2020-01-011

Moved by Hamilton

Seconded by Hodorek

WHEREAS, The City of Troy has engaged in the MEDC Redevelopment Ready Communities program, including entering into a Memorandum of Understanding with the MEDC and undergoing an evaluation of the City's Redevelopment practices as reported in the Redevelopment Ready Communities Baseline Report; and,

WHEREAS, The MEDC has developed a program for certifying Redevelopment Ready Communities and the City of Troy desires to achieve that certification by implementing best practices and recommended strategies for redevelopment; and,

WHEREAS, The program includes evaluating the strong partnerships with City Boards and Committees related to development including the City Council, Planning Commission, Zoning Board of Appeals, Brownfield Redevelopment Authority, Downtown Development Authority, and Local Development Finance Authority; and,

WHEREAS, After a review of the Redevelopment Ready Communities Baseline Report, the City of Troy is willing to complete the tasks as outlined, which will involve interaction with aforementioned City Boards and Committees; and,

WHEREAS, Certain recommendations have and will be made by the MEDC that are required in order for the City to attain Redevelopment Ready Communities Certification;

THEREFORE, BE IT RESOLVED, That Troy City Council hereby **AUTHORIZES** the implementation of recommendations made by the MEDC that are necessary to receive Redevelopment Ready Communities Certification from the MEDC.

Yes: All-7

No: None

MOTION CARRIED

I-5 Bid Waiver and Budget Amendment – Fire Panel Upgrade for the County of Oakland, 52-4 District Court Building (Introduced by: Kurt Bovensiepe, Public Works Director)

Resolution #2020-01-012

Moved by Hodorek

Seconded by Hamilton

RESOLVED, That Troy City Council, in the best interest of the City, hereby **WAIVES** the bid process and **AWARDS** a contract to *Siemens Industry, Inc. of Plymouth, MI*, to upgrade the fire panel at the 52-4 District Court Building for an estimated total cost of \$58,763.00; not to exceed budgetary limitations.

BE IT FURTHER RESOLVED, That Troy City Council hereby **APPROVES** a Budget Amendment to the Building Operations/District Court Business Unit in the amount of \$58,763.00 and is anticipating to receive \$29,381.50, which is Oakland County's share in the project cost.

BE IT FURTHER RESOLVED, That the award is **CONTINGENT** upon the vendor's submission of properly executed contract documents, including insurance certificates and all other specified requirements.

Yes: All-7
No: None

MOTION CARRIED

I-6 Standard Purchasing Resolution #1: Award to Low Bidder – Contract 19-05 – Willow Grove Sanitary Sewer (Presented by: Scott Finlay, Deputy City Engineer)

Resolution #2020-01-013
Moved by Abraham
Seconded by Hodorek

RESOLVED, That Troy City Council hereby **AWARDS** Contract No. 19-05, Willow Grove Sanitary Sewer, to *T.R. Pieprzak Co., Inc., 6267 St. Clair Hwy., China Township, MI 48054* for their low total bid amount of \$1,258,912.10.

BE IT FURTHER RESOLVED, That the award is **CONTINGENT** upon submission of proper contract and bid documents, including bonds, insurance certificates and all specified requirements, and if additional work is required such additional work is authorized in an amount not to exceed 20% of the total project cost.

BE IT FURTHER RESOLVED, That Troy City Council hereby **APPROVES** a budget amendment to the 2020 Sewer Fund in the amount of \$200,000 for the Willow Grove Sanitary Sewer, Project No. 2020C0064 (Account No. 590.527.535.7973.184015).

BE IT FINALLY RESOLVED, That Troy City Council hereby **APPROVES** the sewer benefit fee of \$15,338.83 for the Willow Grove Sanitary Sewer, as provided for in Chapter 20 of the Troy City Code and revised by Resolution #2005-04-189, based on the total cost of the sanitary sewer, including engineering, inspection, testing and contingency, divided by 43 lots.

Yes: All-7
No: None

MOTION CARRIED

I-7 Standard Purchasing Resolution 4: Award – State of Michigan MIDEAL Cooperative Purchasing Agreement and Budget Amendment – Police Fleet Vehicles (Introduced by: Kurt Bovensiepe, Public Works Director)

Resolution #2020-01-014

Moved by Hodorek
Seconded by Abraham

RESOLVED, That Troy City Council hereby **APPROVES** a contract to purchase two (2) 2020 Ford Explorers from Gorno Ford of Woodhaven, Michigan to replace the total loss accident vehicles used by the Police Department as per the State of Michigan MIDEAL Cooperative Bid Contract ID #071-B7700181 for an estimated total cost of \$ 67,798.00.

BE IT FURTHER RESOLVED, That Troy City Council hereby **APPROVES** a budget amendment of \$67,800.00 to the 2019/2020 Fleet Capital Account.

Yes: All-7
No: None

MOTION CARRIED

I-8 Cingular Wireless (AT&T) Master License Agreement-Small Cells (*Introduced by: Lori Grigg Bluhm, City Attorney*)

Resolution #2020-01-015
Moved by Erickson Gault
Seconded by Hodorek

BE IT RESOLVED, That the Troy City Council hereby **APPROVES** the *Master License Agreement For Attachments To City Owned Facilities* between the City of Troy and New Cingular Wireless PCS, LLC, and **AUTHORIZES** the Mayor and City Clerk to execute the documents on behalf of the City of Troy; a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

Yes: All-7
No: None

MOTION CARRIED

I-9 City of Troy 2020 Strategy Development Process (*Introduced by: Mark F. Miller, City Manager*)

Resolution #2020-01-016
Moved by Hodorek
Seconded by Abraham

RESOLVED, That Troy City Council **SHALL RESCHEDULE** the Strategic Planning Study Session from Monday, February 3, 2020 at 6:00 PM in the City Council Board Room at Troy City Hall to Thursday, February 13, 2020 at 6:00 PM in room 303 at the Troy Community Center, located at 3179 Livernois Rd, Troy, MI 48083.

Yes: All-7
No: None

MOTION CARRIED

I-10 Bid Waiver – Professional Services – Police Department Testing Services
(Introduced by: Frank Nastasi, Police Chief, and Lieutenant Chris Stout)

Resolution #2020-01-017

Moved by Erickson Gault

Seconded by Hodorek

WHEREAS, *Empco, Inc.* has been providing testing and hiring services to the City's Police Department for 30 years; and has provided this service to several other surrounding municipalities (Resolution #2011-11-261); and,

WHEREAS *Empco, Inc.* meets departmental needs and complies with Act 78 Commission requirements, including the requirements to be fair and impartial;

THEREFORE, BE IT RESOLVED, That the formal bidding procedure for this professional service is hereby **WAIVED**, since the public interest is best served by contracting with *Empco, Inc.*

BE IT FURTHER RESOLVED, That Troy City Council hereby **APPROVES** a contract authorizing *Empco, Inc.* to provide police promotional testing; a copy shall be **ATTACHED** to the original Minutes of this meeting.

BE IT FINALLY RESOLVED, That the Police Chief is **AUTHORIZED TO EXECUTE** a contract on behalf of the City, authorizing *Empco, Inc.* to conduct the Police Department promotional testing, in accordance with the attached proposal.

Yes: All-7

No: None

MOTION CARRIED

I-11 Budget Amendment – Classification and Compensation Study (Human Resources)
(Introduced by: Mark F. Miller, City Manager)

Resolution #2020-01-018

Moved by Brooks

Seconded by Hamilton

RESOLVED, That Troy City Council **APPROVES** an amendment to the 2019/2020 General Fund Budget for the Classification and Compensation Study in the amount of \$20,100.

Yes: All-7

No: None

MOTION CARRIED

Vote on Resolution to Waive the Rules of Procedure for the City Council, Rule #5a – Regular Meeting Agendas to Add an Item on the Agenda

Resolution #2020-01-019

Moved by Pennington

Seconded by Baker

RESOLVED, That Troy City Council hereby **WAIVES** the Rules of Procedure for the City Council, Rule #5A *Regular Meeting Agenda* to add an Item on the Agenda.

Yes: All-7

No: None

MOTION CARRIED

I-12 Proposed Resolution to Allow Pennington Collision to Remain on the List of Eligible

Resolution #2020-01-020

Moved by Baker

Seconded by Abraham

WHEREAS, The owner of Pennington Collision is also an elected City Council Member; and,

WHEREAS, Section 6.12(a) of the Troy City Charter requires that in order for there to be any possible business relationship between the City and a business in which a City Council member or his/her immediate family has a pecuniary interest, the other City Council members must agree unanimously to pass a resolution making the business eligible to conduct business with the City of Troy;

NOW, THEREFORE, BE IT RESOLVED, That Troy City Council hereby **RECUSES** Council Member Pennington from voting.

BE IT FURTHER RESOLVED, That Troy City Council **DECLARES** that Pennington Collision is eligible to conduct business with the City of Troy, as allowed by the Troy City Charter, Section 6.12 (a).

Yes: Baker

No: Hamilton, Hodorek, Abraham, Brooks, Erickson Gault

Recused: Pennington

MOTION FAILED

J. CONSENT AGENDA:

J-1a Approval of “J” Items NOT Removed for Discussion

Resolution #2020-01-021-J-1a

Moved by Abraham

Seconded by Erickson Gault

RESOLVED, That Troy City Council hereby **APPROVES** all items on the Consent Agenda as printed.

Yes: All-7
No: None

MOTION CARRIED

J-1b Address of “J” Items Removed for Discussion by City Council

J-2 Approval of City Council Minutes

Resolution #2020-01-021-J-2

RESOLVED, That Troy City Council hereby **APPROVES** the following Minutes as submitted:

- a) City Council Minutes-Draft – December 16, 2019
- b) City Council Special Meeting Minutes-Draft – January 6, 2020

J-3 Proposed City of Troy Proclamations:

Resolution #2020-01-021-J-3

- a) Proclamation to Recognize Celebration of “Yoga for Health, Health for Humanity Surya Namaskar Yajna 2020” January 18–February 2, 2020

J-4 Standard Purchasing Resolutions:

- a) **Standard Purchasing Resolution 4: Award – State of Michigan MIDEAL and MITN Cooperative Purchasing Agreements – Fleet Vehicles – DPW and Fire Departments**

Resolution #2020-01-021-J-4a

RESOLVED, That Troy City Council hereby **APPROVES** contracts to purchase eleven (11) Chevrolet vehicles from *Berger Chevrolet of Grand Rapids, MI*, as per the State of Michigan MIDEAL Cooperative Bid for an estimated total cost of \$294,271.00, two (2) Ford vehicles from *Gorno Ford of Woodhaven, MI*, as per the State of Michigan MIDEAL Cooperative Bid for an estimated total cost of \$69,569.00, and two (2) single axle dump bodies from *Truck and Trailer Specialties, Inc. of Howell, MI*, for an estimated price of \$39,730.00, which is an estimated grand total cost of \$403,570.00 for all thirteen (13) vehicles as per the MIDEAL and MITN cooperative purchasing group RFP pricing.

- b) **Standard Purchasing Resolution 2: Low Bidder Meeting Specifications – Tee Shirts for Various City Departments**

Resolution #2020-01-021-J-4b

RESOLVED, That Troy City Council hereby **AWARDS** a two (2) year contract with an option to renew for three (3) additional years to provide Tee Shirts for the City of Troy *on an as needed basis* to the low total bidder, *Ad-Wear & Specialty of Texas, Inc. of Houston, TX*, for an estimated total annual cost of \$66,865.24 at unit prices contained in the bid tabulation opened November 7, 2019; with all expenses not to exceed budgetary limitations; a copy of which shall be **ATTACHED** to the original Minutes of this meeting; contract to expire November 30, 2024.

c) Standard Purchasing Resolution 2: Low Bidder Meeting Specifications – Fitness Equipment

Resolution #2020-01-021-J-4c

RESOLVED, That Troy City Council hereby **AWARDS** three (3) contracts to the low bidders meeting specifications to provide fitness equipment for the Troy Community Center to *Johnston Health Tech, N.A. DBA Matrix Fitness of Cottage Grove, WI* for \$37,663.06, and *Direct Fitness Solutions, LLC of Mundelein, IL* for \$3,850.00, and *Strengthio Fitness of Grand Rapids, MI* for \$12,469.00 as detailed below for an estimated grand total cost of \$53,982.06 (less one-to-one trade-ins) all at prices contained in the bid tabulation dated December 5, 2019, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

| | Johnston Health Tech, N.A. dba Matrix Fitness Items #1, 3, 4, 7, 8, & 9 | Direct Fitness Solutions, LLC Item #5 | Strengthio Fitness Items #2 & 6 |
|---|---|---------------------------------------|---------------------------------|
| TOTAL COST FOR NEW EQUIPMENT | \$43,313.06 | \$4,250.00 | \$13,969.00 |
| Deduct Trade-Ins | \$5,650.00 | \$400.00 | \$1,500.00 |
| Estimated Grand Total Cost bid as specified less Trade-in Items: | <u>\$37,663.06</u> | <u>\$3,850.00</u> | <u>\$12,469.00</u> |
| Estimated Grand Total Cost: | <u>\$53,982.06</u> | | |

BE IT FURTHER RESOLVED, That the award is **CONTINGENT** upon the company's submission of properly executed bid and contract documents, including insurance certificates and all other specified requirements.

d) Standard Purchasing Resolution 4: Cooperative Contract Award – Michigan Intergovernmental Trade Network (MITN) – Gasoline and Diesel Fuel

Resolution #2020-01-021-J-4d

RESOLVED, That Troy City Council hereby **AWARDS** two-year cooperative contracts to purchase gasoline and diesel fuel in truck transport and tank wagon deliveries, on as needed basis with an option to renew for two (2) additional years to the low bidders meeting specifications; *RKA Petroleum Companies of Romulus, MI*, *Petroleum Traders Corporation of Fort Wayne, IN* and *Atlas Oil Company of Taylor, MI* as a result of a bid process through the City of Sterling Heights for MITN Purchasing Cooperative members including Troy at factors

and prices contained in the bid tabulation opened December 10, 2019, a copy of which shall be **ATTACHED** to the original Minutes of this meeting, with a contract expiration of February 1, 2024.

J-5 Request for Approval of Additional Location for Issuing Absent Voter Ballots

Resolution #2020-01-021-J-5

RESOLVED, That Troy City Council hereby **APPROVES** City Management's request to authorize an additional location for the City Clerk to issue and receive absent voter ballots on Saturday, February 15, 2020, from 11:00 AM until 1:00 PM, at the Troy Public Library, pursuant to requirements of Michigan Election Law.

J-6 2020 Poverty Exemption Guidelines (Changes from Previous Year)

Resolution #2020-01-021-J-6

RESOLVED, That, pursuant to MCL 211.7u, the City Council of the City of Troy hereby **APPROVES** the proposed "Poverty Exemption Guidelines" for 2020, as presented by the City Assessor in a memorandum dated January 13, 2020, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

J-7 Request for Acceptance of a Permanent Easement for Storm Sewers and Surface Drainage from Veni Vandana Pulugurtha and Puneet Mohan – Sidwell #88-20-15-103-017

Resolution #2020-01-021-J-7

RESOLVED, That Troy City Council hereby **ACCEPTS** a permanent easement for storm sewers and surface drainage from Veni Vandana Pulugurtha and Puneet Mohan, owners of the property having Sidwell #88-20-15-103-017.

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED TO RECORD** the permanent easement with Oakland County Register of Deeds, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

J-8 Request for Acceptance of a Warranty Deed and Six Permanent Easements – West Troy Meadows Site Condominium, Section 16, Sidwell #88-20-16-401-002

Resolution #2020-01-021-J-8

RESOLVED, That Troy City Council hereby **ACCEPTS** a warranty deed and six permanent easements for emergency ingress/egress, public utility & franchise utilities, sanitary sewers, sidewalks, storm sewers & surface drainage, and water mains from West Troy Meadows, LLC, owner of the property having Sidwell #88-20-16-401-002.

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED TO RECORD** the warranty deed and permanent easements with Oakland County Register of Deeds, copies of which shall be **ATTACHED** to the original Minutes of this meeting.

J-9 Request for Acceptance of Six Permanent Easements – Chadbury Place Site Condominium, Section 13, Sidwell #88-20-13-127-020

Resolution #2020-01-021-J-9

RESOLVED, That Troy City Council hereby **ACCEPTS** six permanent easements for emergency ingress/egress, public utility & franchise utilities, sanitary sewers, sidewalks, storm sewers & surface drainage, and water mains from Chadbury Place, LLC, owner of the property having Sidwell #88-20-13-127-020.

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED TO RECORD** the permanent easements with Oakland County Register of Deeds, copies of which shall be **ATTACHED** to the original Minutes of this meeting.

J-10 Request for Acceptance of a Permanent Easement for Sanitary Sewers from Martha C. Childs – Sidwell #88-20-12-100-034

Resolution #2020-01-021-J-10

RESOLVED, That Troy City Council hereby **ACCEPTS** a permanent easement for sanitary sewers from Martha C. Childs, owner of the property having Sidwell #88-20-12-100-034.

BE IT FURTHER RESOLVED, That the City Clerk **SHALL ATTACH** a copy of the permanent easement to the original Minutes of this meeting.

J-11 Request for Acceptance of a Permanent Easement for Water Mains from Timberlake, LLC – Sidwell #88-20-32-152-025

Resolution #2020-01-021-J-11

RESOLVED, That Troy City Council hereby **ACCEPTS** a permanent easement for water mains from Timberlake, LLC, owner of the property having Sidwell #88-20-32-152-025.

BE IT FURTHER RESOLVED, That the City Clerk is hereby **DIRECTED TO RECORD** the permanent easement with Oakland County Register of Deeds, a copy of which shall be **ATTACHED** to the original Minutes of this meeting.

J-12 Request for Recognition as a Nonprofit Organization from The Rotary Club of Troy

Resolution #2020-01-021-J-12

RESOLVED, That Troy City Council hereby **APPROVES** the request from The Rotary Club of Troy, asking that they be recognized as a nonprofit organization operating in the community for the purpose of obtaining a charitable gaming license as recommended by City Management.

K. MEMORANDUMS AND FUTURE COUNCIL AGENDA ITEMS:**K-1 Announcement of Public Hearings:**

- a) January 27, 2020 – City of Troy 2020-2024 Parks and Recreation Master Plan Public Hearing Announcement

K-2 Memorandums (Items submitted to City Council that may require consideration at some future point in time): None Submitted**L. PUBLIC COMMENT FOR ITEMS NOT ON THE AGENDA:**

| | |
|----------------|------------------------------|
| Marv Reinhardt | Commented on various topics. |
|----------------|------------------------------|

M. CITY COUNCIL/CITY ADMINISTRATION RESPONSE/REPLY TO PUBLIC COMMENT:**N. COUNCIL REFERRALS:**

Items Advanced to the City Manager by the Mayor and City Council Members for Placement on the Agenda

N-1 No Council Referrals**O. COUNCIL COMMENTS:****O-1 Council Comments**

Council Member Abraham commented on the Council Orientation meeting that took place before this Regular meeting. She said that during that meeting, she learned that the Recreation Department has a supply of medical equipment to loan to Troy residents such as walkers, wheelchairs, crutches, etc. She said that donations in good condition are also accepted at the Troy Community Center. Residents can contact the Community Center.

Council Member Abraham thanked Mr. Bovensiep, the Public Works Department, the Troy Police Department, and all first responders for their hard work during the rain and flooding this past weekend.

Mayor Pro Tem Hamilton commented that he will be in attendance at the Troy High School Orchestra Gala concert on February 1, 2020 and he encouraged others to attend as well.

Council Member Erickson Gault commented on her support of Item P-4a. She said that the issue of transportation needs a regional solution so that everyone has the ability to be mobile. She asked that all residents advocate for regional transportation.

Council Member Abraham announced that on Monday, January 20, 2020, there will be the Martin Luther King, Jr. Day of Service at Troy Athens High School from 8:30-11:00am. She encouraged all to attend.

Mayor Baker commented that City Council has been participating in the Council Orientation series put together by City Administration. He said these sessions have been very enjoyable, and he has taken new information away from both sessions. He said he appreciates all the work that City staff, and City Manager Miller, has put into these sessions and into Troy's recovery from the turmoil of the past year. He said that community engagement is extremely important to him, and that Council will be working on the strategies with City Administration for the upcoming year. He encouraged residents to contact City Council with ideas and suggestions for future strategies. He thanked the residents of Troy.

Council Member Pennington thanked Mr. Bovensiep for all the work that the Public Works crew does for the City of Troy, especially during this past weekend when the freezing rain storm occurred.

Council Member Pennington announced that this is his last meeting. He said that he is resigning his Council Member seat effective immediately. He said that he and his business has been through a lot over the past couple years, and he is ready to move on. He said that at this time, he wants to spend time with his grandson and his family. He appreciates everyone who has wished him well. He thanked the Council Members for their support over the years. He thanked Chief Nastasi and the Troy Police Department for all their fantastic work they do. He thanked Chief Roberts and the entire Fire Department. He thanked the Public Works Department and their employees for their hard work. He thanked Cindy Stewart for her help and support over the years.

Mayor Baker wished Council Member Pennington good luck and happiness.

Mayor Pro Tem Hamilton commented that he agrees with the other Council Members on their comments during the Pennington Collision item, and he wishes him well.

Council Member Abraham commented that Council Member Pennington has done so much for Troy, and helped City Council a lot over the years. She said she hopes that he realizes that his legacy is his service to the City. She thanked Mrs. Pennington for her service to the City of Troy as well, as the spouse of a Council Member.

Council Member Hodorek thanked Council Member Pennington for his service to the City of Troy. She said that his thoughtfulness and sense of humor are two things she will miss very much. She said that she doesn't want him to resign, but she understands why.

Mayor Baker commented that Council Member Pennington has a gift for telling it like it is. He will be missed on Council for that, for his warmth, and friendliness. He thanked him for his service on Council.

Council Member Brooks commented that while she doesn't know Council Member Pennington very well, she likes him very much. She said that she doesn't want him to resign, and that he will be missed. She said that he has an important voice, and she's sorry to hear that he's been beaten up during his time on Council.

Council Member Erickson Gault commented that she likes Council Member Pennington very much, and she's disappointed that she won't be able to serve with him, but she wishes him well.

P. REPORTS:**P-1 Minutes – Boards and Committees:**

- a) Employees' Retirement System Board of Trustees-Final – November 13, 2019
- b) Building Code Board of Appeals-Final – December 4, 2019

P-2 Department Reports:

- a) Report of Efforts to Increase Voter Participation in Troy
- b) 4th Quarter 2019 Litigation Report

P-3 Letters of Appreciation:

- a) To Chief Roberts from Troy People Concerned Regarding Shop with a Firefighter Event

P-4 Proposed Proclamations/Resolutions from Other Organizations:

- a) Oakland County Miscellaneous Resolution #19385 – Board of Commissioners - Support for the House Bill 5229, Revising the Municipal Partnership Act

The Meeting **RECESSED** at 9:28 PM.

The Meeting **RECONVENED** at 9:50.

Q. CLOSED SESSION**Q-1 Closed Session****R. ADJOURNMENT:**

The Meeting **ADJOURNED** at 11:00 PM.

Mayor Ethan Baker

M. Aileen Dickson, MMC
City Clerk



500 West Big Beaver
Troy, MI 48084
troymi.gov

J-05

CITY COUNCIL AGENDA ITEM

Date: January 16, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
William J. Huotari, City Engineer/Traffic Engineer

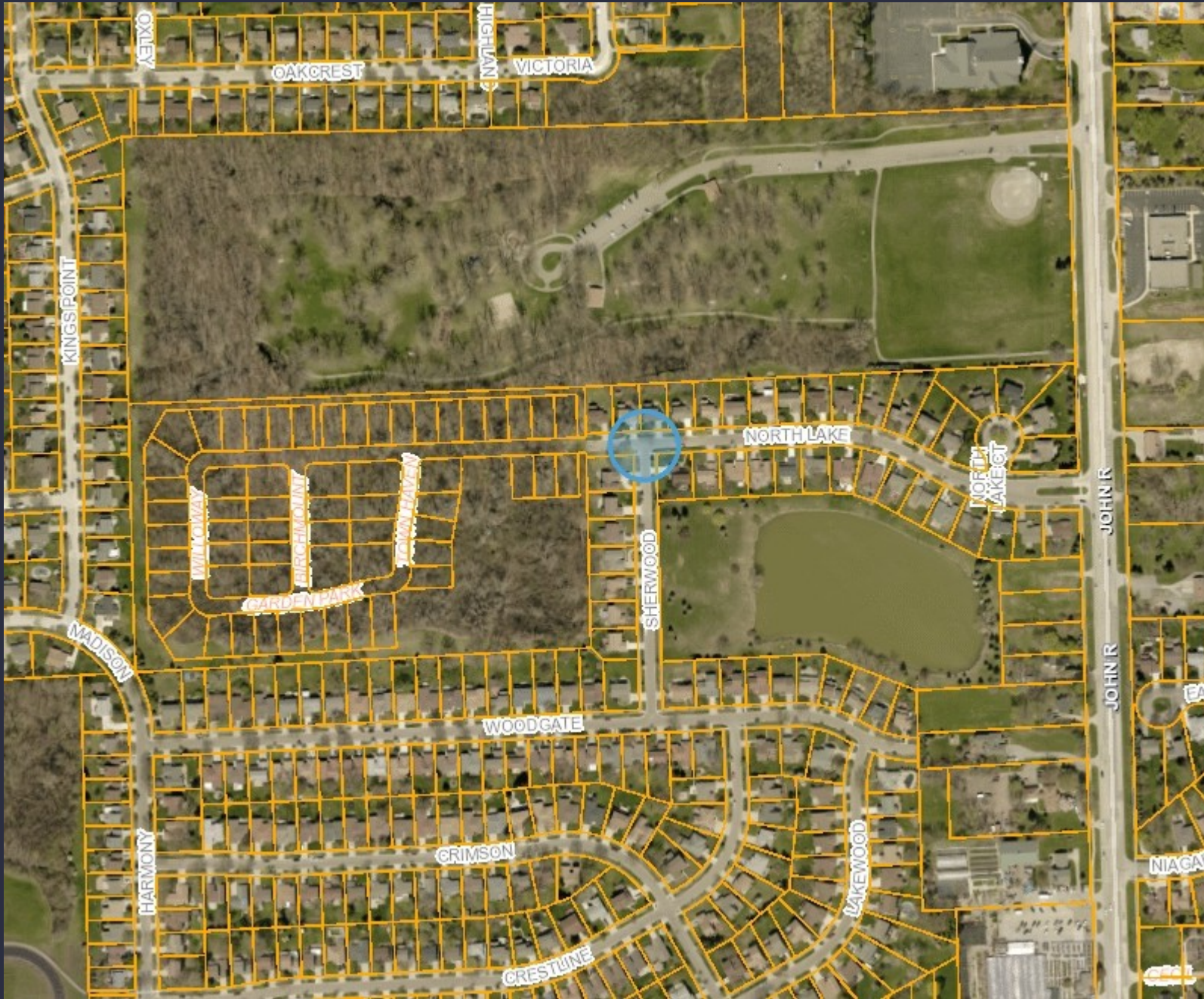
Subject: Traffic Committee Recommendations and Minutes – January 15, 2020

At the Traffic Committee meeting of January 15, 2020, the following recommendations were made for City Council approval:

4. Request for Traffic Control – North Lake Drive at Sherwood Drive

RESOLVED, that the intersection of North Lake Drive at Sherwood Drive be **MODIFIED** from no traffic control to ALL-WAY STOP control at the intersection of Sherwood Drive at North Lake Drive.

Minutes of the meeting are attached.



Map Scale: 1=504

Created: November 22, 2019



Note: The information provided by this application has been compiled from other public records and data. It is not a legally recorded map survey. User information represented should be consulted for verification.

A regular meeting of the Troy Traffic Committee was held Wednesday, January 15, 2020 in the Lower Level Conference Room at Troy City Hall. Pete Ziegenfelder called the meeting to order at 7:30 p.m.

1. Roll Call

Present: Don Johnson
Richard Kilmer
Cindy Nurak
Al Petrulis
Pete Ziegenfelder
Alankar Shende, Student Representative

Absent: Sunil Sivaraman
Cynthia Wilsher

Also present: Marty and Joyce Binder, 1819 North Lake
Kevin Ferguson, 1850 Woodgate
Gerald and Barbara McKee, 1783 North Lake
Hyung Choi and Jung Choi, 1734 North Lake
Chad and Paula Halcom, 1759 North Lake
Craig Chamberlain, 3785 Highland
Sgt. Justin Novak, Police Department
Bill Huotari, City Engineer/Traffic Engineer

2. Minutes – November 20, 2019

Resolution # 2020-01-01
Moved by Kilmer
Seconded by Nurak

To approve the minutes as printed.

Yes: Johnson, Kilmer, Nurak, Petrulis, Ziegenfelder
No: None
Absent: Sivaraman, Wilsher

MOTION CARRIED**PUBLIC HEARINGS**

of North Lake Drive and Sherwood Drive creates a hazardous condition now that Raintree Village on the Park has been developed.

Chad Halcom of 1759 North Lake Drive stated that he lives in the last house before the private road starts. His request was to place a speed bump or require the developer to place a speed bump on the private portion of North Lake Drive. His concern is about excessive speeds from the private road to the public road and out to John R. He did not feel that a Stop or Yield sign would be effective. His recommendation was to do something that can't be ignored. During the AM and PM peak hour, traffic control signs may create congestion and backups.

A discussion of speed bumps vs speed humps and private road vs public roads ensued.

Sgt. Novak added that Troy Police provide additional enforcement when new traffic control devices are installed. Portable radar trailers are currently not in use due to the weather. Troy Police have provided direct enforcement in this area within the past six months and found low volumes of traffic and low violation rates for speeding. However, he will schedule this area for a portable radar trailer in the spring as the weather allows.

Hyung Choi of 1754 North Lake reports that traffic drives very fast. UPS and other delivery trucks drive at high rates of speed. Residents are also driving too fast.

Kevin Ferguson of 1850 Woodgate reports that the bus stop for the area is just south of the intersection. The bus stops on northbound Sherwood just south of North Lake. North Lake is approximately ½ mile long and some drivers are driving too fast. This intersection was previously a curve for 40 years and only recently became a 3-way intersection with the development of the new subdivision to the west of the intersection. He supports Stop signs as drivers don't understand Yield signs. He suggests that eastbound North Lake should have a Stop sign. His preference is a Stop sign at minimum and suggests that All-Way Stop control would be the most effective.

Barb McKee of 1783 North Lake stated that a Yield sign would not work. She would like to see at least two Stop signs. The other issue in this area is parents that park on the road to drop off or pick up their kids from the bus. There used to only be a handful of school age children, but with the new subdivision there are over 20 people waiting for the bus on a daily basis. She also stated that delivery vehicles drive very fast in the subdivision. There is a lot of congestion during the times that the school bus is picking up or dropping off children.

Martin Bender of 1819 North Lake discussed the bus stop and its location relative to the intersection and the concerns about the number of parents who park with their children waiting for the bus.

Mr. Feguson stated that he has spoken with the bus driver and she said she has reported parking issues 3 or 4 times to the school district.

Sgt. Novak stated that Troy Police has a list of known bus stop locations with concerns and North Lake at Sherwood has not been on the list. Troy Police will have an officer in the area during pickup and/or drop off to review the situation.

Mr. Petrulis redirected the discussion back to the request for traffic control. He supports an All-Way Stop as it would help address the flow of traffic and assign right-of-way at the intersection.

Mr. Ziegenfelder stated that he prefers Stop signs to remove any ambiguity.

Mr. Johnson discussed that a sign on Sherwood would not address traffic flow issues. He also supports All-Way Stop control. He discussed that residents should contact the Troy School District to report their concerns and suggestions regarding the bus stop location as Troy School District has been very good to work with in the past.

Ms. Nurak stated that drivers on Sherwood are not used to the new traffic pattern with new traffic from the private road on North Lake. She discussed the bus stop location, parking and the safety of the children waiting for the bus. This may be a growing pain issue with the new subdivision that may require some additional enforcement to educate drivers.

A discussion amongst all ensued regarding the bus stop location, general flow of traffic and parking in the area.

Resolution # 2020-01-02

Moved by Kilmer

Seconded by Petrulis

RESOLVED, that the intersection of North Lake Drive at Sherwood Drive be **MODIFIED** from no traffic control to ALL-WAY STOP control at the intersection of Sherwood Drive at North Lake Drive.

Yes: Johnson, Kilmer, Nurak, Petrulis, Ziegenfelder

No: None

Absent: Sivaraman, Wilsher

MOTION CARRIED

5. Public Comment

Mr. Kilmer reports that the traffic signal at Rochester and Bishop is not working correctly causing delays on Rochester Road. He reports that the green signal for Bishop is excessive and creating backups on Rochester Road. Traffic Engineering will forward to the RCOC Traffic Signal Engineer for investigation.

7. Adjourn

The meeting adjourned at 8:15 p.m.

Pete Ziegenfelder, Chairperson

William J. Huotari, City Engineer/Traffic Engineer



500 West Big Beaver
Troy, MI 48084
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J-06

CITY COUNCIL AGENDA ITEM

Date: January 9, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
David Roberts, Fire Chief
Richard C. Riesterer, Assistant Fire Chief/Fire Marshal

Subject: Fireworks Permit – 2020 Woodside Bible Church: “Nite to Shine” Event

Background

Wolverine Fireworks Display Inc., of Kawkawlin, Michigan, has submitted a permit application for a public fireworks display to support the annual “Nite to Shine” celebration at Woodside Bible Church. Wolverine Fireworks Display Inc. and Woodside Bible Church are requesting the Troy City Council grant a permit for a public fireworks display to occur on Friday February 7, 2020, at 9:20 PM. The fireworks will be discharged from the north side of the church property, located at 6600 Rochester, Troy, MI. The church property is large enough to accommodate the necessary distances required for the display.

Legal Considerations

Michigan law requires that before anyone can conduct a fireworks display, a permit must be obtained from the local unit of government. The law states that any person or group that would like to conduct a fireworks display must apply to the local unit of government for a permit. The law defines local unit of government as the council or commission of a city or village, or the township board of a township. Wolverine Fireworks Display Inc., therefore, is requesting that City Council grant a permit for a public fireworks display to occur at Woodside Bible Church, on the evening of Friday February 7, 2020. Wolverine Fireworks Display Inc., will provide the required proof of insurance in the amount of \$10M once their policy renews on February 1, 2020.

Recommendation

The Fire Department has reviewed the permit application and recommends that City Council approve a fireworks permit for Wolverine Fireworks Display Inc. Enclosed for Council’s review is the permit application and supporting documentation, along with the permit itself to be signed and issued. The Fire Department will inspect the display site, confirm the insurance documentation is current and correct, and ensure that adequate safety measures are enforced.



500 West Big Beaver
Troy, MI 48084
troymi.gov

FIREWORKS PERMIT APPLICATION

Fire Prevention Division
248.524.3419

This permit application is for the ignition, discharge, and use of consumer fireworks; agricultural or wildlife fireworks; articles pyrotechnic; display fireworks; or special effects fireworks, in the City of Troy, at the listed location as defined by Michigan Act 256, PA 2011, titled, "Michigan Fireworks Safety Act" and stipulated by Troy City Code, Chapter 93, titled "Fire Prevention." This application permit must be filed no less than 30 days prior to the intended date of such ignition, discharge, or use, and shall be accompanied by a site plan and product inventory. A **\$180.00** application fee is to be paid upon submittal of this application. Make check or money order payable to the City of Troy. The approved permit shall expire 10 days from the date of issue and shall be on site while fireworks are being used. **Fireworks shall not be discharged between the hours of 11PM and 8AM.**

Application Date: 10/01/19

Applicant Name: Jennifer Campau, Wolverine Fireworks Display, Inc. Date of Birth: 06/30/82

Applicant Address: 205 Seidlers Rd., Kalamazoo, MI 48631 Phone: (989) 662-0121

Date(s) of Use: 02/07/19 to: 02/07/19 Time(s) of Use: 9:20 PM to: 9:25 PM

Address of where fireworks are to be used: Woodside Bible Church, 6600 Rochester Rd., Troy, MI 48085

ITEMS TO SUBMIT (Electronically, If Possible):

Fireworks Description: ☒ Insurance Documents: ☒ Site Plan: ☒ HMIS: ☒

I hereby acknowledge that I have read this permit application and that the information given is correct. I understand that if approved, the permit is non-transferable. I further understand that the permit application fee is non-refundable and will not be returned if this application is denied.

This permit application shall include an approved Hazardous Materials Inventory Statement (HMIS) upon submittal and may be subject to associated fees, payable to the City of Troy, upon issuance of this permit. The HMIS, and its directions, can be found on the internet at: http://troymi.gov/departments/fire_department/permit_applications.php

Applicant Signature: Jennifer Campau Date Signed: 10/1/19

(This section to be completed by Fire Department)

Inspection Date: 2/7/20 Requirements Met: Yes No
Inspector: FIRTH Permit Approved: Yes No Date: 10/24/19
Permit Issue Date: 10/24/19 Permit #: PFW 2019-0005 Premise #: 0527-0000
Terms & Conditions: Subject to site visit

Also subject to proof of "current" insurance coverage.



Wolverine FIREWORKS

205 West Seidlers Rd. • Kawkawlin, MI 48631
Phone: 989.662.0121 • Fax: 989.662.0122

Display, Inc.

— Visit us at www.wolverinefireworks.com —

10/1/19

Troy Fire Department
500 West Big Beaver
Troy, MI 48084

To Whom It May Concern,

I am writing in regard to a proposed Class C Fireworks display we have been asked to provide for Woodside Bible Church for their Night to Shine event on February 7, 2020. Enclosed you will find the Fireworks Permit Application, \$180 check for the permit fee, fireworks description, Insurance Documents (these are from the 2019 display. I will forward the 2020 documents once our policy renews February 1, 2020), Site Plan and SDS Sheets for the 1.4G product to be used in the display.

If there is anything else you need please feel free to call me at 989-662-0121.

Thank you,



Jenny Campau,
Display Manager



205 West Seidlers Rd. • Kawkawlin, MI 48631
Phone: 989.662.0121 • Fax: 989.662.0122

Display, Inc.

— Visit us at www.wolverinefireworks.com —

Woodside Bible Church

February 7, 2020

UPLOADED TO ONBASE

Class C 500 Gram Fireworks Display Proposal

Includes Insurance & Labor

Main

| | | |
|----|----------|----------------------|
| 2 | 36 Shot | Armageddon |
| 12 | 10 Shot | Mammoth Strobe White |
| 2 | 10 Shot | Mammoth Strobe Red |
| 2 | 45 Shot | Dreamcatcher |
| 2 | 36 Shot | Red Head |
| 2 | 24 Shot | Firestorm |
| 2 | 36 Shot | Jacked Up |
| 4 | 126 Shot | Hot Pink Bomb |
| 2 | 30 Shot | Gold Diggin Blonde |
| 2 | 37 Shot | Just Light It |
| 2 | 271 Shot | Ocean Park |
| 4 | 9 Shot | Pow Bam |
| 4 | 33 Shot | License to Thrill |

Woodside Bible Church Sl

Write a description for your map.





500 West Big Beaver
Troy, MI 48084
troymi.gov

J-07

CITY COUNCIL AGENDA ITEM

Date: January 21, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
David Roberts, Fire Chief
Richard C. Riesterer, Assistant Fire Chief/Fire Marshal

Subject: Fireworks Permit – 2020 Mon Jin Lau: “Chinese New Year Celebration”

Background

Mr. Brandon Chin, of Troy, Michigan, has submitted a permit application for a public fireworks display to support their annual “Chinese New Year” celebration at Mon Jin Lau. Mr. Chin is requesting the Troy City Council grant a permit for a public fireworks display to occur on Sunday February 9, 2020, between 6:00 and 10:00 PM. As in the past, firecrackers and small ground effect style devices will be discharged near the southeast porte cochere of the restaurant property, located at 1515 E. Maple Rd., Troy, MI. The property is large enough to accommodate the necessary distances required for the display.

Legal Considerations

Michigan law requires that before anyone can conduct a fireworks display, a permit must be obtained from the local unit of government. The law states that any person or group that would like to conduct a fireworks display must apply to the local unit of government for a permit. The law defines local unit of government as the council or commission of a city or village, or the township board of a township. Mr. Chin, therefore, is requesting that City Council grant a permit for a public fireworks display to occur at the Mon Jin Lau restaurant, on the evening of Sunday February 9, 2020. Mr. Chin will provide the required proof of insurance in the amount of \$10M prior to the date of the event.

Recommendation

The Fire Department has reviewed the permit application and recommends that City Council approve a fireworks permit for Mr. Brandon Chin. Enclosed for Council’s review is the permit application and supporting documentation, along with the permit itself to be signed and issued. The Fire Department will inspect the display site, the insurance documentation, and ensure that adequate safety measures are enforced.



500 West Big Beaver
Troy, MI 48084
troymi.gov

FIREWORKS PERMIT APPLICATION

Fire Prevention Division
248.524.3419

This permit application is for the ignition, discharge, and use of consumer fireworks; agricultural or wildlife fireworks; articles pyrotechnic; display fireworks; or special effects fireworks, in the City of Troy, at the listed location as defined by Michigan Act 256, PA 2011, titled, "Michigan Fireworks Safety Act" and stipulated by Troy City Code, Chapter 93, titled "Fire Prevention." This application permit must be filed no less than 30 days prior to the intended date of such ignition, discharge, or use, and shall be accompanied by a site plan and product inventory. A **\$180.00** application fee is to be paid upon submittal of this application. Make check or money order payable to the City of Troy. The approved permit shall expire 10 days from the date of issue and shall be on site while fireworks are being used. **Fireworks shall not be discharged between the hours of 11PM and 8AM.**

Application Date: 01/20/20

Applicant Name: Brandon Chin Date of Birth: 06/15/81

Applicant Address: 1515 E Maple Rd Phone: (248) 515-1000

Date(s) of Use: 02/09/20 to: 02/09/20 Time(s) of Use: 6pm to: 10pm

Address of where fireworks are to be used: 1515 E Maple Rd

ITEMS TO SUBMIT *(Electronically, If Possible):*

Fireworks Description: ☒ Insurance Documents: ☒ Site Plan: ☒ HMIS: ☐

I hereby acknowledge that I have read this permit application and that the information given is correct. I understand that if approved, the permit is non-transferable. I further understand that the permit application fee is non-refundable and will not be returned if this application is denied.

This permit application shall include an approved Hazardous Materials Inventory Statement (HMIS) upon submittal and may be subject to associated fees, payable to the City of Troy, upon issuance of this permit. The HMIS, and its directions, can be found on the internet at: http://troymi.gov/departments/fire_department/permit_applications.php

Applicant Signature: Brandon Chin Date Signed: 1/20/2020

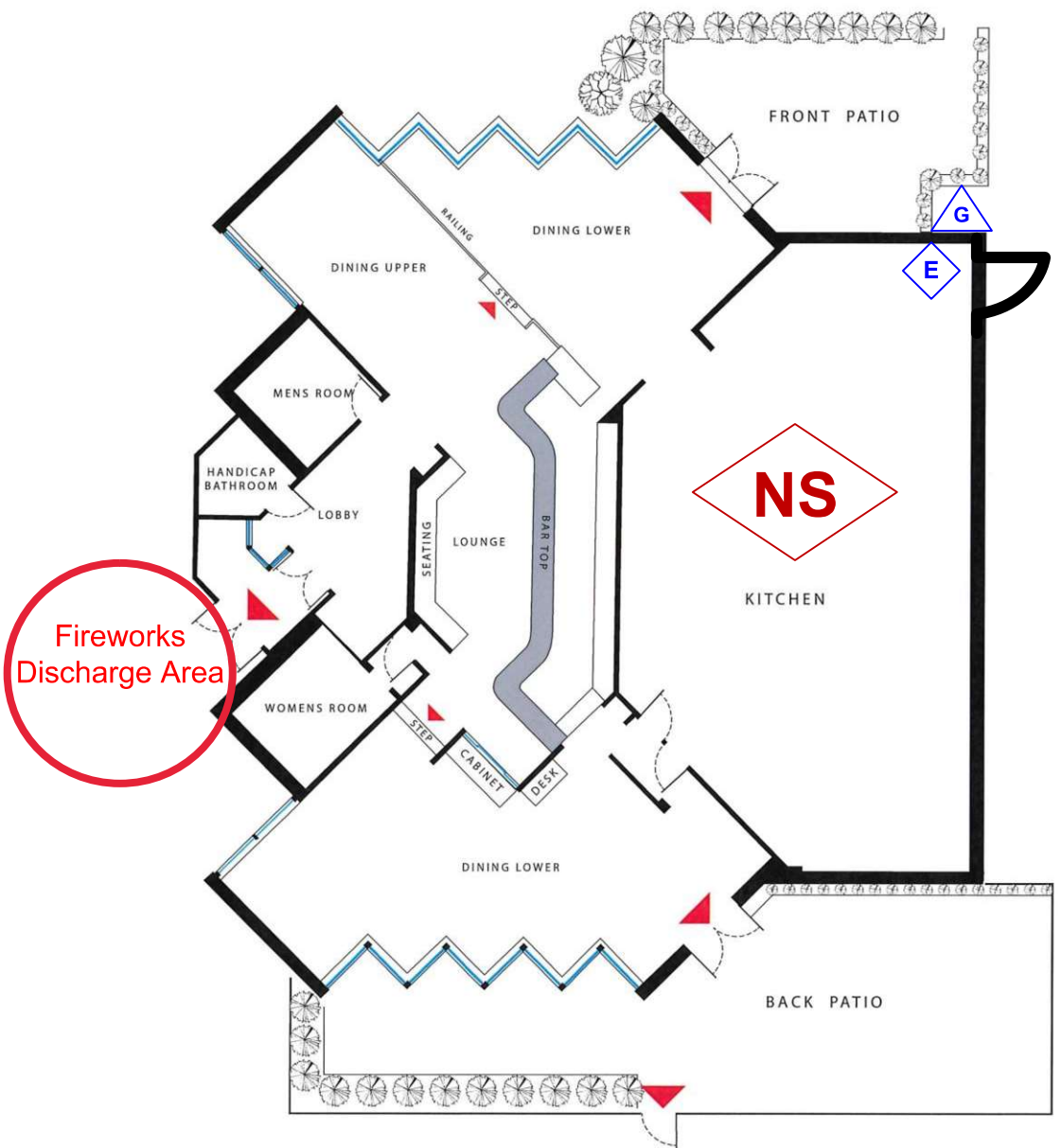
(This section to be completed by Fire Department)

Inspection Date: 02/09/2020 Requirements Met: ☒ Yes ☐ No

Inspector: FIRTH Permit Approved: ☐ Yes ☐ No Date:

Permit Issue Date: Permit #: PFW2020-0001 Premise #: 0293-0000

Terms & Conditions: Subject to site visit; proof of insurance prior to event is required.





CITY COUNCIL AGENDA ITEM

Date: January 23, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
Robert C. Maleszyk, Chief Financial Officer
Lisa Burnham, Accounting Manager
Kurt Bovensiepe, Public Works Director

Subject: 2020 Specialized Services Operating Assistance Program

History

Community Municipal Credits are funds collected by the Suburban Mobility Authority for Regional Transportation (SMART) through property taxes from communities opting in to regional transportation. A portion of these funds are divided among every city, township and village in Oakland, Wayne and Macomb Counties based on the specialized services it provides. Prior to the city starting the Troy R.Y.D.E (Reach Your Destination Easily) program, Specialized Services funds were distributed directly to Troy MediGo. The Troy R.Y.D.E. program is now eligible to receive this funding as it is operating in accordance with SMART's Community Partnership Program. The available funding to the City of Troy has increased \$4,087 from its previous year distributed to MediGo. The increase is attributed to other communities not meeting its obligation and a 17% cost-of-living increase from state funding.

Financial

The Specialized Services funding for 2020 through SMART allows the City of Troy to use an additional \$27,692.00 towards the Troy R.Y.D.E. service.

Recommendation

It is recommended that the City enter into a contract for the Specialized Services Operation Assistance Program with SMART for \$27,692.00. These funds are utilized for transportation service for senior citizens and persons with disabilities through the new Troy R.Y.D.E service.

Legal Review

The subject contract or agreement was submitted to the City Attorney and approved with respect to its form and legality pursuant to City Charter Section 12.2 (Contracts).

SPECIALIZED SERVICES OPERATING ASSISTANCE PROGRAM THIRD-PARTY CONTRACT

THIS AGREEMENT ("Agreement" or "Contract") is made and entered between the Suburban Mobility Authority for Regional Transportation (hereinafter referred to as "**AUTHORITY**"), whose address is 535 Griswold Suite 600, Detroit, Michigan 48226, and the **City of Troy** (hereinafter referred to as "**SUBRECIPIENT**"), whose address is 500 W. Big Beaver, Troy MI 48083

SECTION 1. - DEFINITIONS

| | |
|-----------------------------|---|
| PROGRAM | Means the Michigan Specialized Services Operating Assistance Program designed primarily for seniors and persons with disabilities as defined under Section 10e(4)(c)(i) of Act 51, of the Public Acts of 1951, as amended; MCL 247.660e(4)(c)(i). |
| DEPARTMENT | Means the Michigan Department of Transportation. |
| BUREAU | Means the Bureau of Urban and Public Transportation of the Michigan Department of Transportation. |
| AUTHORITY | Means the Suburban Mobility Authority for Regional Transportation (SMART). |
| PROJECT | Means the providing of SPECIALIZED SERVICES. |
| SPECIALIZED SERVICES | Means public transportation services primarily designed for persons with disabilities or who are sixty-five (65) years of age or older. |
| STATE | Means the State of Michigan. |
| SUBRECIPIENT | Means City of Troy , which will provide the transit services with funds received under this Contract. |
| APPLICATION | Means the AUTHORITY 's application, submitted in cooperation with the SUBRECIPIENT , for funding from this PROGRAM for the period from October 1, 2019 to September 30, 2020 . |

SECTION 2. - PURPOSE

The purpose of this Contract is to pass through operating assistance funding received from the DEPARTMENT PROGRAM, to the SUBRECIPIENT. The transit services provided shall be as described in the APPLICATION submitted by the SUBRECIPIENT through the AUTHORITY and approved for funding by the DEPARTMENT.

SECTION 3. - FUNDING

The AUTHORITY is only obligated to provide funds under this Contract to the extent that funds for the PROGRAM are made available to it and approved by the DEPARTMENT as outlined in the Contract Authorization provided to us by the DEPARTMENT.

The SUBRECIPIENT is eligible for contract costs in the amount of **\$27,692.00**.

The maximum amount of the AUTHORITY funds to be given the SUBRECIPIENT shall not be increased without a prior written amendment to this Contract. DEPARTMENT funds made available to the AUTHORITY, through legislative appropriation, are based on projected revenue estimates. In the event that revenue actually received is insufficient to support the appropriation, it may necessitate a reduction in the maximum amount of said funds available to the SUBRECIPIENT. In such event, the AUTHORITY reserves the right, without notice, to reduce the maximum obligation of funds for the SUBRECIPIENT by the amount of any reduction by the DEPARTMENT to the AUTHORITY.

SECTION 4. - BUDGET ADJUSTMENTS

Budget adjustments must be requested in writing by the SUBRECIPIENT. Upon receipt of the request, the AUTHORITY shall have thirty-five (35) business days to provide written approval or disapproval of the budget adjustment. If no action is taken within thirty-five (35) working days, the budget adjustment shall be deemed approved. Expenditure of funds in excess of any line-item will not be considered an eligible PROJECT cost. The addition of any new line-item, or any line-item changes which represent a deviation from the PROJECT as described in the APPLICATION, shall require a prior written amendment to this Contract.

SECTION 5. - PROJECT COSTS AND REVENUES

The SUBRECIPIENT shall complete and submit to the AUTHORITY the information required by the DEPARTMENT, on the quarterly reporting form (available online at SMARTbus.org), within ten (10) days after the end of each state of Michigan fiscal year quarter. Failure to provide the quarterly report within thirty (30) days after the end of each state of Michigan fiscal year quarter, may result in a loss of a portion of or all funding. The AUTHORITY reserves the right to withhold payment of PROJECT funds if the SUBRECIPIENT fails to file reports as required in this paragraph.

If the SUBRECIPIENT also receives funding under 1951 P.A. 51, Section 10e(4)(a); MCL 247.660e(4)(a), as amended as its cost allocation plans must be submitted to the BUREAU for approval. Any PROJECT costs in excess of revenues reported on the quarterly reporting form will

not be eligible under any other state and federal program administered by the AUTHORITY or the DEPARTMENT.

Section 6. - BILLING, PAYMENTS AND QUARTERLY REPORTS

Notwithstanding the provisions set-forth in Section 3 of this Contract, the AUTHORITY shall provide to the SUBRECIPIENT the STATE funds designated for the eligible project costs incurred in performance of this Contract within ten (10) business days of the receipt of said funds from the DEPARTMENT.

The AUTHORITY may appropriately reduce payments if written reports submitted by the SUBRECIPIENT as required under this section indicate that the level of service described in the APPLICATION has been reduced.

Actual reimbursement shall be based on a rate per mile, or one-way passenger trips of SPECIALIZED SERVICES up to the maximum amount provided for herein.

The actual reimbursement method selected by the SUBRECIPIENT is the amount allowed – currently **\$1.20 per mile**, but subject to change.

Should the per-mile rate method be selected by SUBRECIPIENT, actual reimbursement may be subject to change, per BUREAU reimbursement rate modifications.

SECTION 7. - TERMINATION OR SUSPENSION

For any violation of this Contract or legislative change, the AUTHORITY may, by thirty (30) days written notice, suspend any and all of the rights and obligations under this Contract until such time as the event or condition resulting in such suspension has ceased or been corrected, or the AUTHORITY may, by thirty (30) days written notice to the SUBRECIPIENT, terminate any and all of the rights and obligations under this Contract.

SECTION 8. - ACCOUNTING RECORDS, AUDITS, AND DOCUMENTATION

(a) Establishment and Maintenance of Accounting Records

The SUBRECIPIENT shall maintain books, records, documents, and other accounting records in accordance with generally accepted governmental accounting principles. Said records shall be sufficient to properly reflect all costs of whatever nature claimed to have been incurred or anticipated to be incurred in the performance of the identified PROJECT. To facilitate the administration of the PROJECT, separate records shall be established and maintained. The SUBRECIPIENT shall assure that the records to support the miles traveled and the passengers carried as reported pursuant to Section 6 of this Contract are established and maintained.

(b) Audit

The SUBRECIPIENT shall permit the AUTHORITY and/or the DEPARTMENT or the authorized representatives of the AUTHORITY to audit all data and records relating to the performance of this contract. The SUBRECIPIENT shall retain and allow access to, and require its contractors to retain and allow access to all data and records pertaining to the PROJECT for a period of not less than six (6) years after the final payment by the AUTHORITY pursuant to the Contract.

The period of access, examination, and retention of data and records which relate to litigation or the settlement, of claims arising out of the performance of this Contract, or costs of this Contract as to which exception has been taken by the AUTHORITY or the DEPARTMENT or the authorized representative of the AUTHORITY or the DEPARTMENT, shall continue until such litigation, claims, or exceptions have been disposed of.

(c) Costs Supported by Documentation

PROJECT costs shall be supported by properly executed canceled checks, invoices or vouchers evidencing the nature and propriety of the charges.

(d) Accuracy of Financial Documentation

If a third-party contract is required for rendering of the services herein, then the SUBRECIPIENT is responsible for the accuracy of the financial and non-financial data and reports submitted for reimbursement.

(e) Revenue Expense Guidelines

If the SUBRECIPIENT also receives funding under 1951 P.A. 51, Section 10e(4)(a); MCL 247.660e(4)(a), as amended, determination of PROJECT costs shall be in conformity with the criteria set forth in the DEPARTMENT'S Office of Passenger Transportation's "Local Public Transit Revenue and Expense Manual." All other providers of service shall use the "Specialized Services Manual" (effective October 1, 2015, and any subsequent revisions, amendments and replacements).

SECTION 9. - THIRD-PARTY CONTRACT PROCEDURE

The SUBRECIPIENT shall **not** enter into contracts with third parties for provision of services herein without prior written approval from the AUTHORITY; notice of potential third-party contracts shall be submitted to the AUTHORITY for approval in writing. Approval or denial of said third-party contract will be submitted, in writing, to SUBRECIPIENT by the AUTHORITY. The AUTHORITY shall approve any third-party contracts at its sole discretion.

Approval does not constitute an assumption of liability, a waiver or an estoppel to enforce any of the requirements of this Contract, nor shall any such approval by the AUTHORITY be construed as a warranty of the third-party's qualifications, professional standards, ability to perform the work being subcontracted, or financial integrity.

SECTION 10 - ACCESS

SUBRECIPIENT agrees to provide, and will require its contractors to provide, access by the AUTHORITY and/or the DEPARTMENT to all technical data, reports, documents and work in progress pertaining to the PROJECT. Copies of technical data and reports shall be provided by the SUBRECIPIENT or its contractors to the AUTHORITY upon request.

SECTION 11. - INDEMNIFICATION

Notwithstanding any other provision in this Agreement, SUBRECIPIENT shall indemnify, defend and save harmless AUTHORITY, its officers, agents, employees, and members of its Board of Directors from any and all claims, losses and damages, including costs and attorney fees, occurring or resulting from any act or omission the SUBRECIPIENT or its officers, agents, employees, subcontractors, successors or assigns arising out of and/or pursuant to this Agreement without regard to the negligence of the SUBRECIPIENT.

SECTION 12. - ENTIRE AGREEMENT

This Contract, along with any exhibits, addendums, schedules, and amendments hereto, merges and concludes the entire agreement of SUBRECIPIENT and the AUTHORITY. Any previous communications, whether oral or written, are superseded through by this document. The SUBRECIPIENT and AUTHORITY acknowledge, by executing this document that said parties have not relied on any representation, assertion, guarantee, warranty, ancillary contract or other assurance, except those set out in this AGREEMENT. SUBRECIPIENT hereby waives all rights and remedies, at law or in equity, which may arise as the result of said party's reliance on such representation, assertion, guarantee, warranty, ancillary contract or other assurance, provided that no clause herein shall be construed as a restriction or limitation of said party's right to remedies associated with the gross negligence, willful misconduct or fraud of any person or party taking place prior to, or contemporaneously with, the execution of this Agreement.

SECTION 13. - PROHIBITED DISCRIMINATION

The SUBRECIPIENT shall not discriminate against any passenger because of race, color, sex, age, handicap, religion, ancestry, marital status, national origin, place of birth or sexual orientation in accordance with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts", dated August of 1985, which is hereby incorporated by reference.

The SUBRECIPIENT shall not discriminate based upon race, color, creed, national origin, sex, age, disability, height, weight, familial status, marital status, or sexual orientation, in accordance with Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6, Section 303 of the Age Discrimination Act of 1975, Section 202 of the Americans with Disabilities Act of 1990, 49 U.S.C. Section 5332, the Michigan Elliot-Larsen Civil Rights Act, MCLA 37.2101 et seq., and SMART policy.

The SUBRECIPIENT shall comply with FTA Circular C 9070.1G, as may be amended or updated, with respect to all provisions on Civil Rights and discrimination including, but not limited to, Chapter VIII, §9.

The SUBRECIPIENT shall require similar covenants on the part of any contractor or subcontractor employed in the performance of the PROJECT for which this Contract is made.

SECTION 14. - MBE/WBE

In accordance with 1980 P.A. 278, MCL 423.321 at seq; MCL 445.901 et seq, the SUBRECIPIENT, in the performance of this Agreement, shall not enter into a Contract with a subcontractor, manufacturer, or supplier listed in the register maintained by the STATE, Department of Labor, of employers who have been found in contempt of court by a federal court of appeals, on not less than three (3) occasions involving different violations during the preceding seven (7) years, for failure to correct an unfair labor practice, as prohibited by Section 8 of Chapter 372 of the National Labor Relations Act, 29 U.S.C. 158. The AUTHORITY may void this Contract if the name of the SUBRECIPIENT, or the name of a subcontractor, manufacturer, or supplier utilized by the SUBRECIPIENT in the performance of this Contract subsequently appears in the register during the performance period of this Contract.

SECTION 15. - MISCELLANEOUS PROVISIONS

(a) If any provision of this contract is held invalid, the remainder of this Contract shall not be affected, if any such remainder continues to conform to the provisions and requirements of applicable law.

(b) The SUBRECIPIENT shall commence, carry on, and complete the PROJECT in accordance with all applicable laws. Nothing in this Contract shall require the SUBRECIPIENT to observe, comply, or do any other thing in contravention of any STATE, Local or Federal law.

(c) The SUBRECIPIENT warrants that it has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of SPECIALIZED SERVICES required to be performed under this Contract. The SUBRECIPIENT further warrants that in the performance of this Contract, no person having any such interest shall be employed.

(d) None of the funds, materials, property, or services obtained by the AUTHORITY or the SUBRECIPIENT under this Contract shall be used for any partisan political activity, or to further the election or defeat of any political activity or candidate for public office.

(e) The SUBRECIPIENT shall not assign any interest in this Contract without the prior written approval of the AUTHORITY, however, that compensation due to the SUBRECIPIENT under this Contract may be assigned to a bank, trust company, or other financial institution without such approval. Notice of any such assignment shall be furnished promptly to the AUTHORITY in writing. Any such assignment does not relieve the SUBRECIPIENT of its obligations under this Contract.

(f) If the SUBRECIPIENT enters into any contracts with other governmental agencies for the purposes of providing SPECIALIZED SERVICES outside of its jurisdictional boundaries, as defined

and provided by law, it shall immediately provide the BUREAU with a copy of any contracts and true copies of any resolutions passed by its governing board which relate to the providing of service under such contracts.

SECTION 16. - TERM OF CONTRACT

Upon execution, this Contract shall cover the period commencing **October 1, 2019**, and extending through **September 30, 2020**.

The SUBRECIPIENT agrees to notify the AUTHORITY of any event which may have significant potential impact on PROJECT progress, direction, control or cost.

SECTION 17. - EXECUTION

This Contract shall become binding on the parties hereto upon the execution thereof by the duly authorized official(s) for the SUBRECIPIENT and the AUTHORITY; and upon the adoption of a resolution approving said Contract and authorizing the signatures thereto of the respective official(s) of the SUBRECIPIENT, a certified copy of which resolution shall be attached to this Contract.

**SUBURBAN MOBILITY AUTHORITY
FOR REGIONAL TRANSPORTATION**

CITY of TROY

Signature

Signature

John C. Hertel

Printed Name

Printed Name

General Manager

Title

Title

Date

Date



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: January 21, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
William J. Huotari, City Engineer
Larysa Figol, Sr. Right-of-Way Representative

Subject: Request for Acceptance of a Permanent Easement for Storm Sewers and Surface Drainage from Daniel M. and Patricia A. Van Hemm – Sidwell #88-20-15-352-031

History

The City of Troy received a permanent easement for storm sewers and surface drainage from Daniel M. and Patricia A. Van Hemm, owners of the property having Sidwell #88-20-15-352-031. The property is located in the southwest ¼ of Section 15, north of Wattles and East of Livernois. This easement was granted a part of an effort to address drainage issues in the vicinity.

Financial

The consideration amount on this document is \$1.00.

Recommendation

City Management recommends that City Council accept the attached permanent easement consistent with our policy of accepting easements for development and improvement purposes.



Map Scale: 1=157

Created: January 20, 2020



Note: The information provided by this application has been compiled from other public records and data. It is not a legally recorded map survey. User information represented should be consulted for verification.

**PERMANENT EASEMENT
FOR STORM SEWERS AND SURFACE DRAINAGE**

Sidwell #88-20-15-352-031(part of)

DANIEL M. VAN HEMM and **PATRICIA A. VAN HEMM**, husband and wife, Grantors, whose address is 137 Leetonia, Troy, MI 48085 for and in consideration of the sum of: One and no/100 Dollar (\$1.00) paid by the CITY OF TROY, a Michigan municipal corporation, Grantee, whose address is 500 West Big Beaver Road, Troy, MI 48084, grant to the Grantee the right to access, construct, reconstruct, modify, operate, maintain, repair, upgrade, improve, inspect, enlarge or remove and/or replace **storm sewers and surface drainage**, said easement for land situated in the City of Troy, Oakland County, Michigan described as:

SEE EXHIBIT "A" ATTACHED HERETO AND BY REFERENCE MADE A PART OF

and to enter upon sufficient land adjacent to said improvement(s) for the purpose of the construction, operation, maintenance, repair and/or replacement thereof.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns and the covenants contained herein shall run with the land.

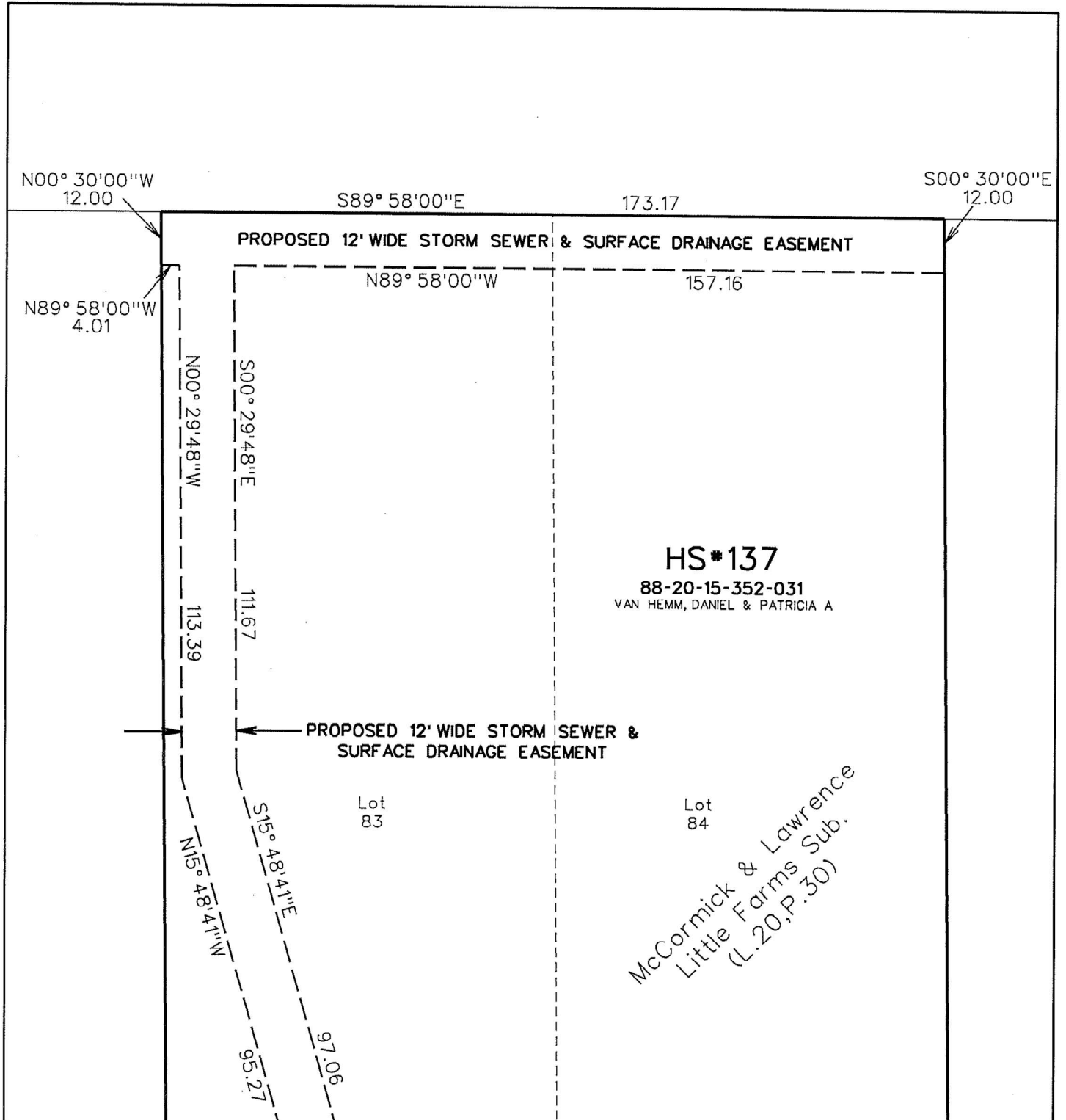
IN WITNESS WHEREOF, the undersigned hereunto affixed their signature(s)
this 21 day of January, 2020.

 (L.S.)
*Daniel M. Van Hemm

EXHIBIT "A"

Proposed 12 feet wide Storm Sewer & Surface Drainage Easement:

Part of the East 86.58 feet of Lot 83 & part of the West 86.58 feet of Lot 84 of "McCormick & Lawrence Little Farms", being Part of the Southwest $\frac{1}{4}$ of Section 15 and Part of the Southeast $\frac{1}{4}$ of Section 16, Town 2 North, Range 11 East, City of Troy, as recorded in Liber 20, Page 30, Oakland County, Michigan records, being described as commencing at the southeast corner of said Lot 83; thence North 89 degrees 58 minutes 00 seconds West, along the south line of said Lot 83, 44.95 feet to the Point of Beginning; thence continuing North 89 degrees 58 minutes 00 seconds West 12.47 feet; thence North 15 degrees 48 minutes 41 seconds West 95.27 feet; thence North 00 degrees 29 minutes 48 seconds West 113.39 feet; thence North 89 degrees 58 minutes 00 seconds West 4.01 feet; thence North 00 degrees 30 minutes 00 seconds West 12.00 feet to the north line of said lot 83; thence South 89 degrees 58 minutes 00 seconds East, along the north line of lots 83 & 84 of said plat, 173.17 feet, thence South 00 degrees 30 minutes 00 seconds East 12.00 feet; thence North 89 degrees 58 minutes 00 seconds West 157.16 feet; thence South 00 degrees 29 minutes 48 seconds East 111.67 feet; thence South 15 degrees 48 minutes 41 seconds East 97.06 feet to the Point of Beginning. Containing 4,582 Square Feet or 0.105 Acres more or less.





500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: January 22, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
William J. Huotari, City Engineer
Larysa Figol, Sr. Right-of-Way Representative

Subject: Request for Acceptance of Four Permanent Easements for Storm Sewers and Surface Drainage, and Sidewalks from GFA Development, Inc. – Sidwell #88-20-15-353-049 & 050

History

As part of the development of two residential lots located in the southwest ¼ of Section 15 on the south side of Leetonia and west of Livernois Road, the City of Troy received four permanent easements for storm sewers and surface drainage, and sidewalks from GFA Development, Inc., owner of the properties having Sidwell #88-20-15-353-049 & 050.

Financial

The consideration amount on these documents is \$1.00.

Recommendation

City Management recommends that City Council accept the attached permanent easements consistent with our policy of accepting easements for development and improvement purposes.



Map Scale: 1=157

Created: January 22, 2020



Note: The information provided by this application has been compiled from other public records and data. It is not a legally recorded map survey. User information represented should be consulted for verification.

**PERMANENT EASEMENT
FOR STORM SEWERS AND SURFACE DRAINAGE**

Sidwell #88-20-15-353-049 (pt of)
Resolution #

GFA DEVELOPMENT, INC., a Michigan corporation, Grantor(s), whose address is 3301 Mirage, Troy, MI 48083, for and in consideration of the sum of: One and no/100 Dollar (\$1.00) paid by the **CITY OF TROY**, a Michigan municipal corporation, Grantee, whose address is 500 West Big Beaver Road, Troy, Michigan, 48084 grants to the Grantee the right to access, construct, reconstruct, modify, operate, maintain, repair, upgrade, improve, inspect, enlarge or remove and/or replace **storm sewers and surface drainage**, said easement for land situated in the City of Troy, Oakland County, Michigan described as:

The South 12.00 feet of the West 86.00 feet of Lot 106 of "McCormick & Lawrence Little Farms", being Part of the Southwest ¼ of Section 15 and Part of the Southeast ¼ of Section 16, Town 2 North, Range 11 East, City of Troy, as recorded in Liber 20, Page 30, Oakland County, Michigan records.

and to enter upon sufficient land adjacent to said improvement(s) for the purpose of the construction, operation, maintenance, repair and/or replacement thereof.

The premises so disturbed by the exercise of any of the foregoing powers shall be reasonably restored to its original condition by the Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns and the covenants contained herein shall run with the land.

IN WITNESS WHEREOF, the undersigned hereunto affixed 1 signature(s)
this 22 day of January A.D. 2020.

GFA DEVELOPMENT INC

**PERMANENT EASEMENT
FOR SIDEWALKS**

Sidwell #88-20-15-353-049 (pt of)
Resolution #

GFA DEVELOPMENT, INC., a Michigan corporation, Grantor(s), whose address is 3301 Mirage, Troy, MI 48083, for and in consideration of the sum of: One and no/100 Dollar (\$1.00) paid by the **CITY OF TROY**, a Michigan municipal corporation, Grantee, whose address is 500 West Big Beaver Road, Troy, Michigan, 48084 grants to the Grantee the right to access, construct, reconstruct, modify, operate, maintain, repair, upgrade, improve, inspect, enlarge or remove and/or replace **sidewalks**, said easement for land situated in the City of Troy, Oakland County, Michigan described as:

The North 8.00 feet of the West 86.00 feet of Lot 106 of "McCormick & Lawrence Little Farms", being Part of the Southwest ¼ of Section 15 and Part of the Southeast ¼ of Section 16, Town 2 North, Range 11 East, City of Troy, as recorded in Liber 20, Page 30, Oakland County, Michigan records.

and to enter upon sufficient land adjacent to said improvement(s) for the purpose of the construction, operation, maintenance, repair and/or replacement thereof.

The premises so disturbed by the exercise of any of the foregoing powers shall be reasonably restored to its original condition by the Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns and the covenants contained herein shall run with the land.

IN WITNESS WHEREOF, the undersigned hereunto affixed 1 signature(s)
this 22 day of December A.D. 2020.

GFA DEVELOPMENT, INC.
a Michigan corporation,

**PERMANENT EASEMENT
FOR STORM SEWERS AND SURFACE DRAINAGE**

Sidwell #88-20-15-353-050 (pt of)
Resolution #

GFA DEVELOPMENT, INC., a Michigan corporation, Grantor(s), whose address is 3301 Mirage, Troy, MI 48083, for and in consideration of the sum of: One and no/100 Dollar (\$1.00) paid by the **CITY OF TROY**, a Michigan municipal corporation, Grantee, whose address is 500 West Big Beaver Road, Troy, Michigan, 48084 grants to the Grantee the right to access, construct, reconstruct, modify, operate, maintain, repair, upgrade, improve, inspect, enlarge or remove and/or replace **storm sewers and surface drainage**, said easement for land situated in the City of Troy, Oakland County, Michigan described as:

The South 12.00 feet of Lot 106 Except the West 86.0 feet thereof, "McCormick & Lawrence Little Farms", being Part of the Southwest ¼ of Section 15 and Part of the Southeast ¼ of Section 16, Town 2 North, Range 11 East, City of Troy, as recorded in Liber 20, Page 30, Oakland County, Michigan records.

and to enter upon sufficient land adjacent to said improvement(s) for the purpose of the construction, operation, maintenance, repair and/or replacement thereof.

The premises so disturbed by the exercise of any of the foregoing powers shall be reasonably restored to its original condition by the Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns and the covenants contained herein shall run with the land.

IN WITNESS WHEREOF, the undersigned hereunto affixed 1 signature(s)
this 22 day of January A.D. 2020.

GFA DEVELOPMENT INC.

**PERMANENT EASEMENT
FOR SIDEWALKS**

Sidwell #88-20-15-353-050 (pt of)
Resolution #

GFA DEVELOPMENT, INC., a Michigan corporation, Grantor(s), whose address is 3301 Mirage, Troy, MI 48083, for and in consideration of the sum of: One and no/100 Dollar (\$1.00) paid by the **CITY OF TROY**, a Michigan municipal corporation, Grantee, whose address is 500 West Big Beaver Road, Troy, Michigan, 48084 grants to the Grantee the right to access, construct, reconstruct, modify, operate, maintain, repair, upgrade, improve, inspect, enlarge or remove and/or replace **sidewalks**, said easement for land situated in the City of Troy, Oakland County, Michigan described as:

The North 8.00 feet of Lot 106 Except the West 86.0 feet thereof, "McCormick & Lawrence Little Farms", being Part of the Southwest ¼ of Section 15 and Part of the Southeast ¼ of Section 16, Town 2 North, Range 11 East, City of Troy, as recorded in Liber 20, Page 30, Oakland County, Michigan records.

and to enter upon sufficient land adjacent to said improvement(s) for the purpose of the construction, operation, maintenance, repair and/or replacement thereof.

The premises so disturbed by the exercise of any of the foregoing powers shall be reasonably restored to its original condition by the Grantee.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns and the covenants contained herein shall run with the land.

IN WITNESS WHEREOF, the undersigned hereunto affixed 1 signature(s)
this 22 day of January A.D. 2020.

GFA DEVELOPMENT INC.



500 West Big Beaver
Troy, MI 48084
troymi.gov

J-11

REPORT TO CITY COUNCIL

Date: January 20, 2020

To: Honorable Mayor and City Council Members

From: Lori Grigg Bluhm, City Attorney
Allan T. Motzny, Assistant City Attorney

Subject: Authorization for Outside Counsel for City of Troy v. Troy BCBA

At its September 23, 2019 meeting, the Troy City Council authorized an appeal of the Building Code Board of Appeals (BCBA) decision that reversed City Administration's revocation of three billboard permits. (Resolution 2019-09-113-J-8)

Because of a conflict situation, caused by our role as legal counsel to both City Council and also the BCBA, our office solicited for outside counsel to represent both the City and also the BCBA. It was our hope that the total amount of attorney fees would be less than \$10,000. Based on unique billboard and zoning expertise, Carol Rosati of Rosati, Schultz, Joppich & Amtsbuechler was hired to represent the City, and Greg Need of Adkison, Need, Allen & Rentrop was approved as legal counsel by the BCBA. Unfortunately, due to some unanticipated issues and unique research requirements, the City's attorney has already incurred over \$10,000 in legal fees, even with the extremely reasonable rate of \$150 per hour. Although the legal fees exceeded this amount, they provided a discount to the City, so that we would not exceed the Charter threshold. However, they are unable to file reply briefs or prepare and present oral argument without additional authorized funding, which are critical to the appeal. We therefore request a resolution that waives the competitive bid process, since the engagement would exceed \$10,000, and authorizes payment of an hourly rate of \$150 per hour, plus reimbursement of expenses and costs.

Please let us know if you have any questions or concerns regarding this matter.



500 West Big Beaver
Troy, MI 48084
troymi.gov

K-01a

CITY COUNCIL AGENDA ITEM

Date: January 14, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
R. Brent Savidant, Community Development Director

Subject: ANNOUNCEMENT OF PUBLIC HEARING – REZONING REQUEST (Z JPLN2019-0030)
- Proposed Clearview Homes Rezoning, southwest corner of Rochester Road and De Etta Avenue (88-20-03-278-027), Section 3, From R-1B (One Family Residential) to O (Office) District.

The applicant Clearview Homes seeks rezoning of the subject parcel from R-1B (One-Family Residential) District to O (Office). The parcel is 0.24 acres in area.

The applicant intends to combine the subject parcel with the abutting 0.41 acre parcel to the south that is presently zoned O Office. The attached concept plan shows a (2) story office building on the combined parcel. This sketch is required as part of the application but is non-binding.

A summary of the project was prepared by the Planning Consultant and is included in the attached agenda item from the October 8, 2020 Planning Commission regular meeting.

The Planning Commission held a public hearing on this item on October 8, 2020 and recommended approval of the rezoning by a 9-0 vote.

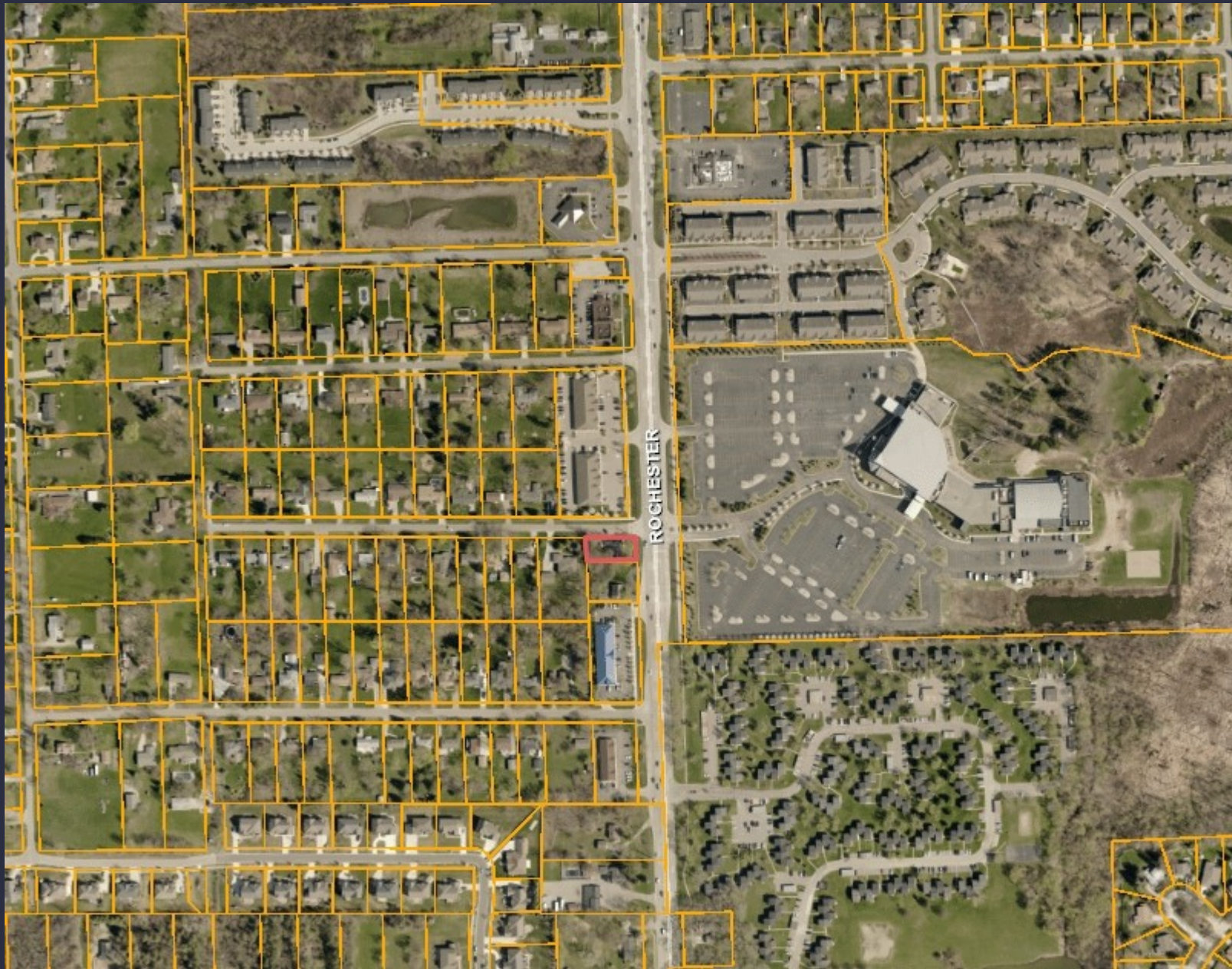
A City Council public hearing has been scheduled for February 10, 2020.

Attachments:

1. Maps
2. Rezoning application
3. Report prepared by Carlisle/Wortman Associates, Inc.
4. Minutes from October 8, 2019 Planning Commission Regular meeting (excerpt)



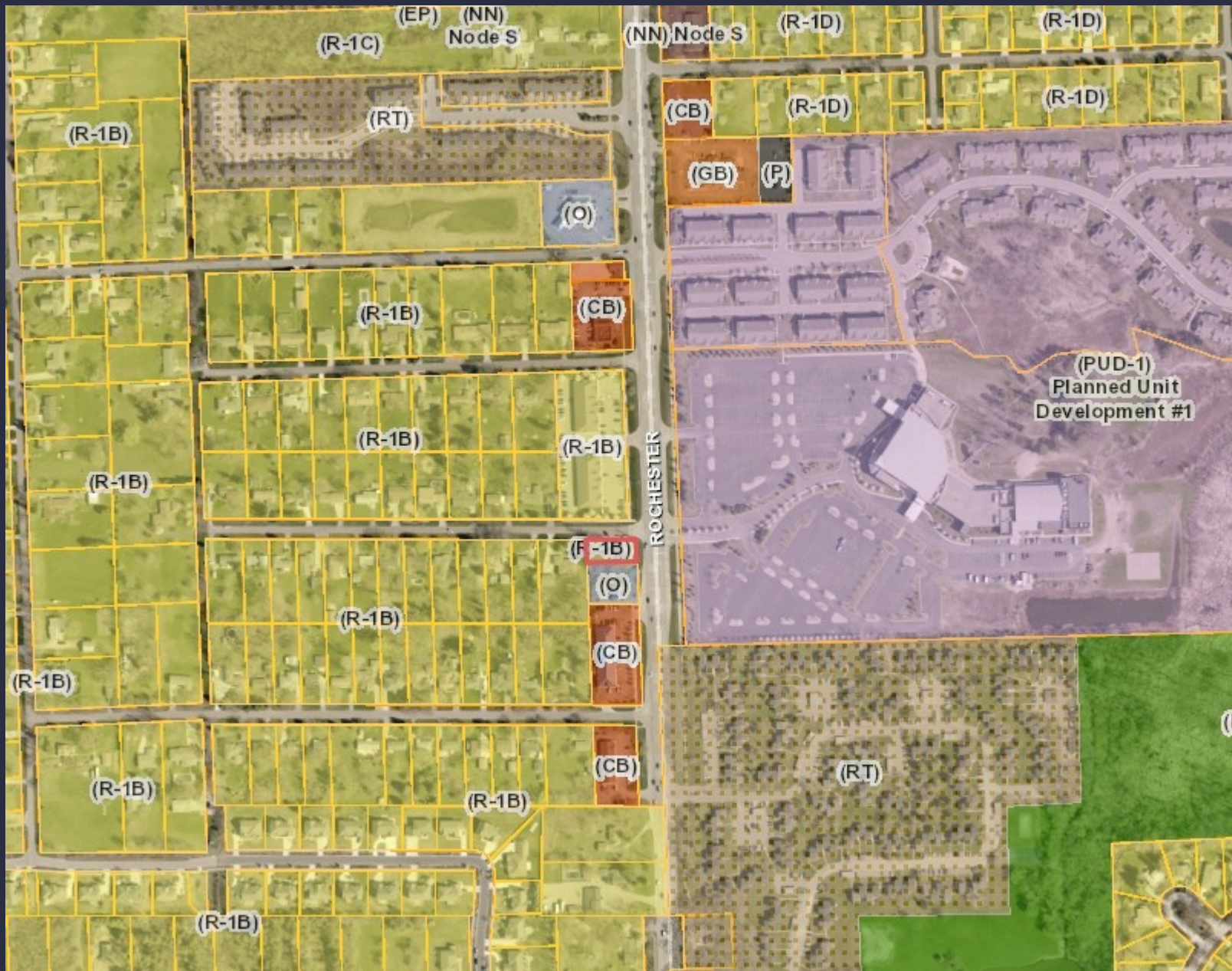
GIS Online



1,189 0 595 1,189Feet



Note: The information provided by this application has been compiled from maps, surveys, and other public records and data. It is not a legal representation. Users are hereby notified that the source information represents the current data as of the date of the map.



1,189 0 595 1,189 Feet



Note: The information provided by this application has been compiled from maps, surveys, and other public records and data. It is not a legal document. Users are hereby notified that the source information represents the current information available at the time of the map's creation.

CITY OF TROY REZONING REQUEST APPLICATION

CITY OF TROY PLANNING DEPARTMENT
500 W. BIG BEAVER
TROY, MICHIGAN 48084
248-524-3364
E-MAIL: planning@troymt.gov



REZONING REQUEST APPLICATION
\$1,800.00

ESCROW FEE
\$1,500.00

NOTICE TO THE APPLICANT

REGULAR MEETINGS OF THE TROY PLANNING COMMISSION ARE HELD ON THE SECOND AND FOURTH TUESDAY OF EACH MONTH AT 7:00 P.M. AT CITY HALL.

APPLICATIONS SHALL BE FILED NOT LATER THAN THIRTY (30) DAYS BEFORE THE SCHEDULED DATE OF THE MEETING.

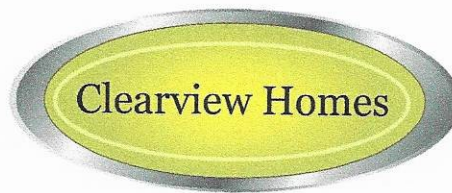
A PLANNING COMMISSION PUBLIC HEARING SHALL BE SCHEDULED FOLLOWING A DETERMINATION BY THE PLANNING DEPARTMENT THAT THE APPLICATION IS COMPLETE.

PLEASE COMPLETE THE FOLLOWING:

- NAME OF THE PROPOSED DEVELOPMENT: Clearview Homes Office
- ADDRESS OF THE SUBJECT PROPERTY: 6511 Rochester Road, Troy, MI 48085
- CURRENT ZONING CLASSIFICATION: R1B
- PROPOSED ZONING CLASSIFICATION: office
- TAX ID NUMBER(S) OF SUBJECT PROPERTY: 20-03-278-027
- APPLICANT FOR REZONING:

| | |
|---|---|
| NAME <u>Mike Robbe</u> | OWNER OF THE SUBJECT PROPERTY: |
| COMPANY <u>Clearview Homes</u> | NAME <u>Robin Siegel / Robert E French</u> |
| ADDRESS <u>811 E. South Blvd</u> | COMPANY _____ |
| CITY <u>Troy</u> STATE <u>MI</u> ZIP <u>48307</u> | ADDRESS <u>283 W Square Lake Rd</u> |
| TELEPHONE <u>616-402-2518</u> | CITY <u>Troy</u> STATE <u>MI</u> ZIP <u>48098</u> |
| E-MAIL <u>mike@myclearviewhome.com</u> | TELEPHONE <u>248-408-0283</u> |
| | E-MAIL _____ |

APPLICANT CERTAINS THE FOLLOWING RELATIONSHIP TO THE OWNER OF THE SUBJECT PROPERTY:



September 6, 2019

R. Brent Savidant
Planning Director
City of Troy Planning Department
500 W. Big Beaver
Troy, MI 48084

Re: Rezoning Request of 6511 Rochester Rd., Parcel 20-03-278-027

To Mr. Savidant:

Please accept this letter requesting to rezone the above parcel from its current designation of Residential (R-1B) to Office (O).

We believe this request is consistent with both the Master Plan and adjacent zoning because this is the last parcel in the vicinity along Rochester Rd. that is still zoned residential. As stated on page 88 of the Master Plan "*The areas between nodes should be developed as low-rise office and multifamily. The height differences encourage a visual pulse*". The adjacent parcel to the south at 6493 is already zoned Office (O), our purpose for this request would be to combine both parcels and build a new two-story office building that would be used to relocate Clearview Homes offices from our current location on South Blvd. in Rochester Hills.

We do not feel that this rezoning will be detrimental to adjacent properties because the property to the south of this project is a retail center, the property to the north is already an office use, and to the east there is a large parcel containing a church. We feel an Office (O) use will help create a low impact buffer between the residential properties to the west of this parcel and the high traffic volumes of Rochester Rd.

Sincerely,

Mike Robbe
Land Development Manager
Clearview Homes

Clearview Homes
811 E. South Blvd., Suite #100
Rochester Hills, MI 48307

KENNEDY SURVEYING, INC.

105 N. Washington St.
Oxford, Michigan 48371

STAKED SURVEY

Phone (248) 628-4241
Fax (248) 628-7191

Certified Exclusively To: Clearview Homes

Date: September 10, 2019

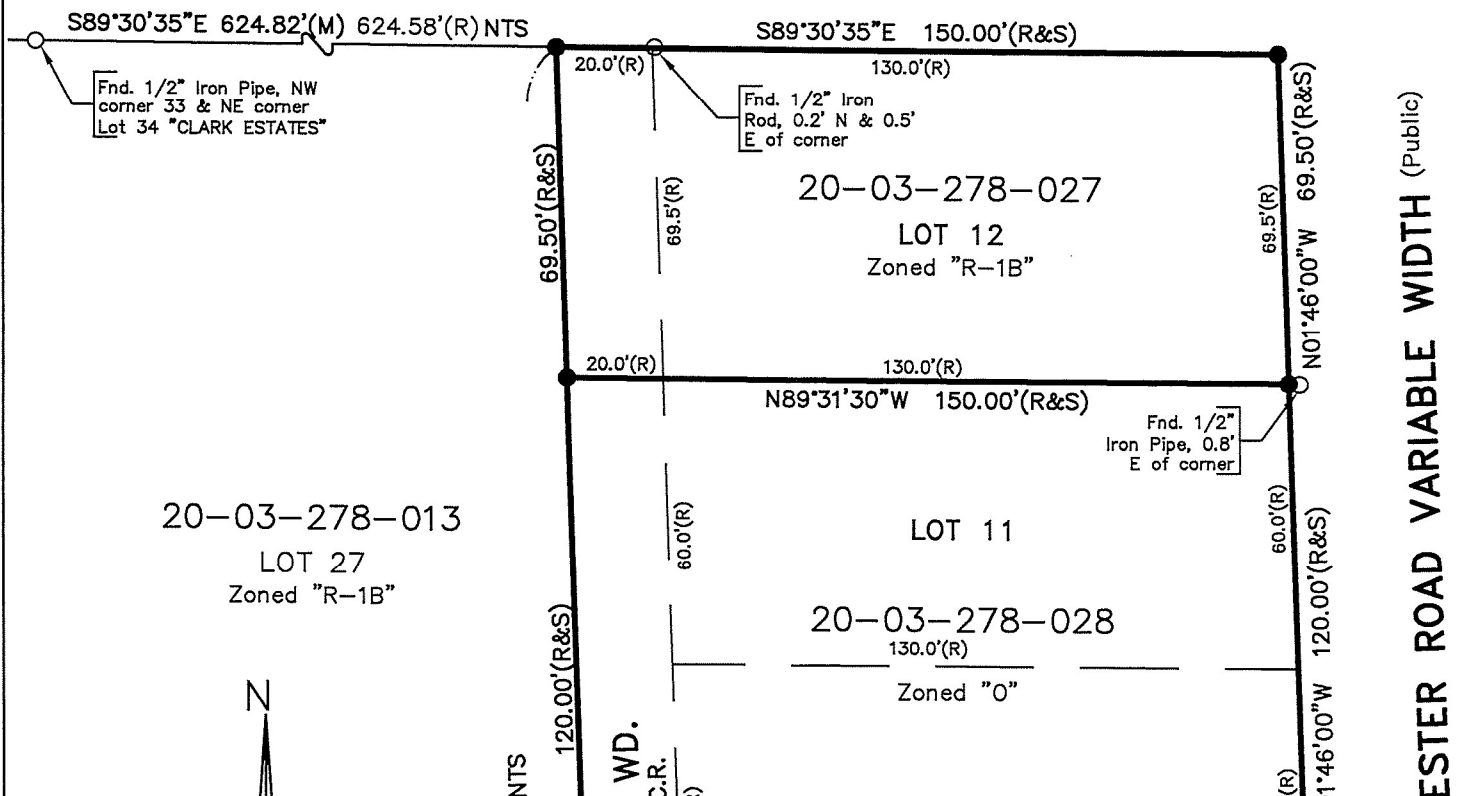
Address: 811 South Boulevard E, Suite 100, Rochester Hills, MI 48307 Job No. 19-8253

This is to certify that I, [Signature], Licensed Professional Surveyor, on this date have surveyed and mapped the land described as follows:

PARCEL 20-03-278-027 Lot 12 of "TROY LITTLE FARMS SUBDIVISION", being a subdivision of part of the South 1/2 of the East 1/2 of the Northeast 1/4 of Section 03, Town 02 North, Range 11 East, City of Troy (formerly Troy Township), Oakland County, Michigan. As recorded in Liber 42 of Plats, on Page 8 of Oakland County Records. Also, all of the Vacated 20 Foot Wide Public Alley adjoining to the same.

PARCEL 20-03-278-028 Lots 10 & 11 of "TROY LITTLE FARMS SUBDIVISION", being a subdivision of part of the South 1/2 of the East 1/2 of the Northeast 1/4 of Section 03, Town 02 North, Range 11 East, City of Troy (formerly Troy Township), Oakland County, Michigan. As recorded in Liber 42 of Plats, on Page 8 of Oakland County Records. Also, all of the Vacated 20 Foot Wide Public Alley adjoining to the same.

DE ET TA AVENUE VARIABLE WIDTH (Public)





985 DE ETTA AVE.
20-03-277-020
ZONING: (R1-B)



Carlisle | Wortman
ASSOCIATES, INC.

117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: October 1, 2019

Rezoning Analysis For City of Troy, Michigan

| | |
|------------------------------|--|
| Applicant: | Mike Robbe (Clearview Homes) |
| Project Name: | De Etta Drive/Rochester Road Office Rezoning |
| Location: | Southwest corner of De Etta Drive and Rochester Road |
| Current Zoning: | R-1B, Single Family Residential and O, Office |
| Proposed Rezoning: | O, Office |
| Required Information: | As provided within this review |

PROJECT AND SITE DESCRIPTION

The applicant is proposing to rezone a parcel at 6511 Rochester Road from R1-B, Single Family Residential to O, Office. The parcel is a corner lot, bordered on the south by office, to the north and west by R-1B, single family residential, and by a PUD (church) across Rochester Road, to the east. The parcel is approximately 0.24 acres and is intended to be combined with the parcel to the south, subject to rezoning approval.



corner of the lot. The current zoning of R-1B does not permit an office building.

If the site were to be rezoned, all uses permitted and special uses within the O, Office District would be allowed through a site plan and special use review. Permitted and special Uses for the O, Office are set forth in Section 4.16.

Please note that the applicant has submitted a concept site plan for the administrative/leasing building. The site plan is for informational purposes only. The applicant has not offered any conditions in relation to this rezoning. If the rezoning is approved, the applicant is required to submit a site plan for the future development for Planning Commission review.



ZONING AND LAND USE

The Zoning and existing land uses for the subject site and surrounding parcels is listed below. The subject parcel is zoned R-1B, single-family residential. The site is surrounded by a mix of zoning including O, Office.

Zoning/Existing Land Use

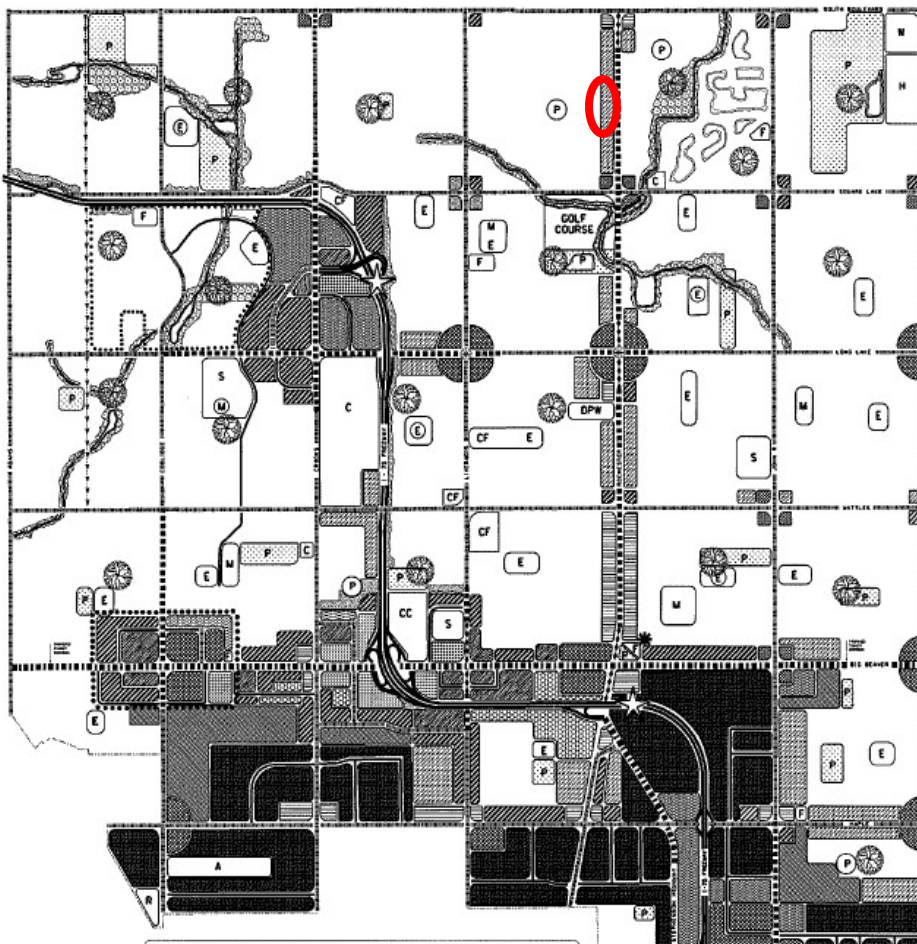
| Direction | Zoning | Existing Use |
|-----------|---------------------------------|--------------------------------|
| North | R-1B, Single Family Residential | Strip Office Buildings |
| South | O, Office | Residential |
| East | PUD, Planned Unit Development | PUD, Religious Facility/Campus |
| West | R-1B, Single Family Residential | Residential |



MASTER PLAN

In 1999, the city updated the Master Land Use Plan. During the process, the city spent considerable amount of time and input deliberating the future use of key corridors including Big Beaver, Crooks, Maple, and Rochester. Due to traffic volume, noise, and market economics, the Future Land Use Plan recognized parcels that abut major mile corridors such as Rochester would be difficult to develop or redevelop as single-family residential. For this reason, the city considered alternative land use patterns along these corridors that were contextually relevant and compatible with surrounding and adjacent land use.

The 1999 amended Master Land Use Plan, added medium density residential along Rochester Road north of Wattles.



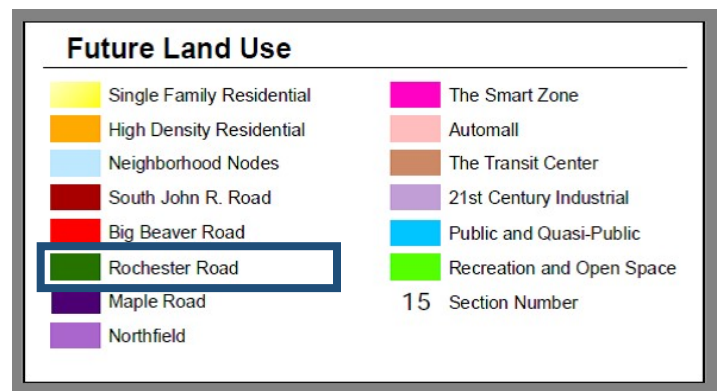
In 2002, the City adopted a Future Land Use Plan, which retained medium density residential along Rochester Road north of Wattles. In 2008, the City comprehensively updated the Master Plan. The process of updating the Master Plan included a significant public participation component that included numerous opportunities for public input. The 2008 comprehensive update to the Master Plan also retained medium density residential and other low impact uses along Rochester Road north of Wattles.

The Master Plan was updated in 2017, and also retained both medium density residential and other limited low impact uses along Rochester Road north of Wattles. From a land use perspective, the updated 2017 Master Plan calls for this site:

North of Long Lake Road, the land use pattern evolves, becoming a mix of commercial and office near the intersections and older single-family homes and multiple-family complexes in between.

Uses along Rochester Road will include a variety of mixed uses, established in a “pulsing” pattern where the most intense mixed-use or exclusively non-residential development will occur near the Neighborhood Nodes situated along its main intersections. Lower-impact uses, such as small scale retail or condominiums should be encouraged along the corridor frontage between these nodes.....The areas between nodes should develop as lower-rise office and multiple-family. The height differences encourage a visual “pulse.” (pg. 87-88)

This section of Rochester Road Master Plan also calls for use of innovative stormwater management:



Ultimately, the Rochester Road Corridor will become a regional showcase for effective stormwater management and enhancement of the natural environment, while encouraging a combination of high-quality land uses. Effective landscaping focused on native plantings and improved land use and access management along Rochester will

feature. By connecting properties, the basins create visual relief from traffic. Low impact development methods will be used throughout the corridor to filter stormwater runoff. (pg. 87)

The site has been master-planned for medium density multiple family residential for 20 years, and other low impact uses for the past 10 years. We find that a rezoning to O, Office, especially in light of office, directly abutting to the south, complies with the Master Plan.

PROPOSED DEVELOPMENT VS. BY-RIGHT

The stated intent of the O, Office District is as follows:

SECTION 4.16 O, Office District

Intent. The O, Office District is intended to provide areas for office uses and limited related retail and service uses which support an office environment. These districts are typically located along commercial corridors in the City, or on the periphery of regionally prominent retail and service centers. The O District is not so diverse as to include prominent retail or other commercial components, which are more broadly available in the similar, but more intense OM, Office Mixed Use District, which is specifically designed for that purpose. Consequently, due to its less intense nature, the O District is suited to serve as a conventional transitional zone or in support of more regionally prominent areas and districts with a more intense concentration of uses.

The table below outlines the development differences of the proposed plan versus what could be done by-right under the current zoning:

| | By-Right R-1B Zoning | Proposed by applicant if rezoned to O, Office Zoning |
|-----------------|--|--|
| Density | 1 single-family detached home | N/A |
| Height | 2.5 stories and 30 feet | 3 stories and 36 feet |
| Setbacks | Front (Rochester): 40 feet Front (De Etta): 40 feet Sides: 10 / 25 feet total Rear: 45 feet | Front (Rochester): 10 feet Front (De Etta): 25 feet Side: 20 feet Adjacent Single Family: 50 feet |

Due to the zoning requirements, future office development would require the building to be pushed up to Rochester with parking between the building and the adjacent single-family lot. The concept plan indicates a 10,500 sq/ft, 2-story office building.

SITE ACCESS AND CIRCULATION

Due to intersection distance requirements, access for future development, regardless if rezoned or not, would remain off De Etta Avenue.

REZONING STANDARDS

As set forth in Section 16.03.C, the Planning Commission shall consider the following standards:

1. *The proposed rezoning is consistent with the Master Plan. If the current zoning is in material conflict with the Master Plan, such conflict is due to one of the following:*
 - a. *A change in City policy since the Master Plan was adopted.*
 - b. *A change in conditions since the Master Plan was adopted.*
 - c. *An error in the Master Plan.*
2. *The proposed rezoning will not cause nor increase any non-conformity.*
3. *Public services and facilities affected by a proposed development will be capable of accommodating service and facility loads caused by use of the development.*
4. *The rezoning will not impact public health, safety, or welfare.*
5. *The rezoning will ensure compatibility with adjacent uses of land.*

We find that the rezoning standards have been met:

- The site has been master-planned for medium density multiple family residential for 20 years, and other low impact uses for the past 10 years. Rezoning the site that abuts Rochester Road from R-1B, One-Family Residential District to O, Office District is consistent with the Master Plan.
- The parcel directly to the south is zoned O, Office District. The sites will be combined for future development. We find that a rezoning to O, Office, especially in light of office zoning directly abutting to the south, complies with the Master Plan.
- Rezoning the site to O, Office District provides a transition from the heavily traveled

RECOMMENDATIONS

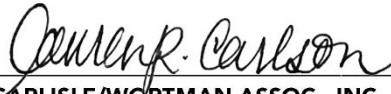
The proposed rezoning from R-1B, Single Family Residential to O, Office of parcel # 20-03-278-027 is consistent with the City of Troy Master Plan, is consistent with abutting zoning in the surrounding area, and meets the rezoning standards set forth in Section 16.03.C of the Zoning Ordinance.

We recommend approval of the proposed rezoning.



CARLISLE/WORTMAN ASSOC., INC.

Benjamin R. Carlisle, AICP, LEED AP



CARLISLE/WORTMAN ASSOC., INC.

Lauren Carlson
Planner

PUBLIC HEARING – CLEARVIEW HOMES REZONING REQUEST (Z JPLN2019-0030)
– Proposed Clearview Homes Rezoning, Southwest Corner of Rochester and DeEtta (88-20-03-278-027), Section 3, From R-1B (One Family Residential) Zoning District to O (Office) Zoning District

Mr. Carlisle reviewed the rezoning request application and compared what could be developed by-right with R-1B zoning versus the proposed office zoning. He addressed the Land Use Policies and findings of the Rezoning Standards. Mr. Carlisle recommended that the Planning Commission recommend to City Council to grant the rezoning request.

Mike Robbe said Clearview Homes, a single-family residential home builder, is under contract to purchase both parcels for the construction of their new headquarters. Mr. Robbe said a title research revealed no cross-access easement on the property. He indicated they had no building design at this time.

Mr. Savidant noted the conceptual sketch provided with the application confirms an office building can fit on the subject property.

PUBLIC HEARING OPENED

- Eileen Roys, 990 DeEtta; addressed adjacent existing offices and businesses; expressed concerns with traffic impact, access off DeEtta and safety of children; prefer one-story office building.
- Scott Stoglin, 805 DeEtta; addressed concerns with safety of children at school bus stop, snow removal and trash removal; prefer one-story office building.
- Jeannie Stoglin, 805 DeEtta; addressed concerns with traffic, access off DeEtta.
- Earl Miller, Jr., 3240 Kilmer; real estate broker spoke favorably for rezoning.
- Lawrence Luca, 985 DeEtta; addressed concerns with traffic, safety of children at school bus stop, access off DeEtta; prefer one-story building.

PUBLIC HEARING CLOSED

There was discussion on:

- Access; off DeEtta or Rochester.
- Potential for cross-access agreement.

Resolution # PC-2019-10-070

Moved by: Tagle
Support by: Lamhert

3. If rezoned the property will be capable of accommodating service and facility loads caused by use of the development.
4. The rezoning does not appear to impact public health, safety or welfare.
5. The rezoning will ensure compatibility with adjacent uses of land.

Yes: All present (9)

MOTION CARRIED



500 West Big Beaver
Troy, MI 48084
troymi.gov

K-01b

CITY COUNCIL AGENDA ITEM

Date: January 16, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
R. Brent Savidant, Community Development Director

Subject: ANNOUNCEMENT OF PUBLIC HEARING – REZONING REQUEST (Z JPLN2019-0015)
- Proposed Sylvanwood Court RT Development Rezoning, Northwest corner of Rochester Road and Sylvanwood (88-20-10-426-029, -030 and -031), Section 10, From R-1C (One Family Residential) to RT (One Family Attached Residential) Zoning District.

The applicant Eureka Building Co. seeks rezoning of the subject parcel from R-1C (One-Family Residential) District to RT (One Family Attached) District. The parcel is 1.2 acres in area.

The applicant submitted a concept plan showing two (2), five (5) unit buildings. This sketch is required as part of the application but is non-binding.

A summary of the project was prepared by the Planning Consultant and is included in the attached agenda item from the October 8, 2020 Planning Commission regular meeting.

The Planning Commission held a public hearing on this item on October 8, 2020 and recommended approval of the rezoning by a 5-4 vote.

At the request of numerous residential neighbors, the City's Traffic Consultant OHM prepared the attached memorandum dated December 6, 2019. The memorandum summarizes the results of a Speeding/Cut-Through study conducted for Sylvanwood, Trinway and Creston west of Rochester in October, 2019. The attached memorandum prepared by OHM and dated September 24, 2018 summarizes the traffic that can be anticipated from a 10-unit attached residential condominium project.

A City Council public hearing has been scheduled for February 10, 2020.

Attachments:

1. Maps
2. Rezoning application
3. Report prepared by Carlisle/Wortman Associates, Inc.
4. Minutes from October 8, 2019 Planning Commission Regular meeting (excerpt)
5. Memorandum prepared by OHM dated December 6, 2019 (Speeding/Cut-Through Traffic)
6. Memorandum prepared by OHM, dated September 24, 2018



595 0 297 595 Feet



Note: The information provided by this application has been compiled from various sources, including maps, surveys, and other public records and data. It is not a legal guarantee. The user and data are hereby notified that the source information represents



595 0 297 595Feet



Note: The information provided by this application has been compiled from maps, surveys, and other public records and data. It is not a legal representation. Users are hereby notified that the source information represents

CITY OF TROY REZONING REQUEST APPLICATION

CITY OF TROY PLANNING DEPARTMENT
500 W. BIG BEAVER
TROY, MICHIGAN 48084
248-524-3364
E-MAIL: planning@troymi.gov



REZONING REQUEST APPLICATION
\$1,800.00

ESCROW FEE
\$1,500.00

NOTICE TO THE APPLICANT

REGULAR MEETINGS OF THE TROY PLANNING COMMISSION ARE HELD ON THE SECOND AND FOURTH TUESDAY OF EACH MONTH AT 7:00 P.M. AT CITY HALL.

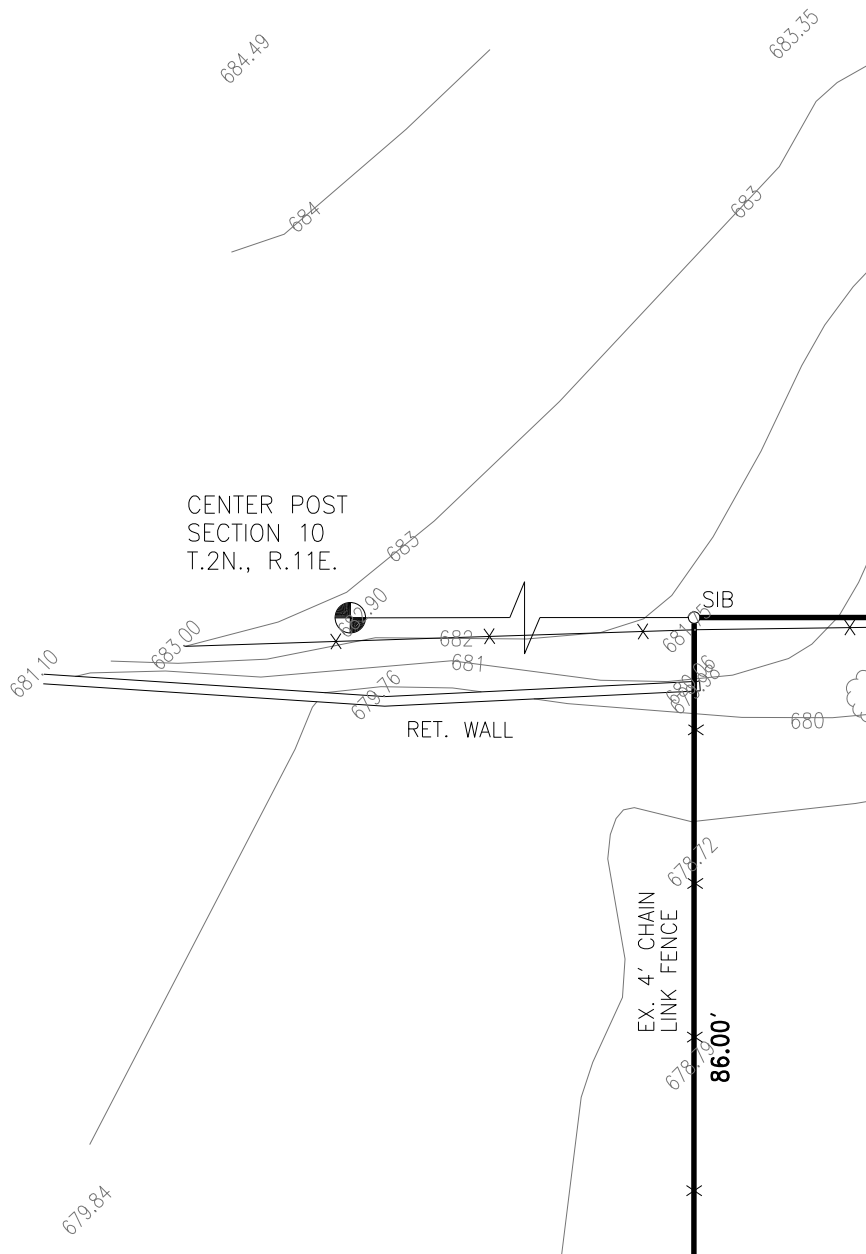
APPLICATIONS SHALL BE FILED NOT LATER THAN THIRTY (30) DAYS BEFORE THE SCHEDULED DATE OF THE MEETING.

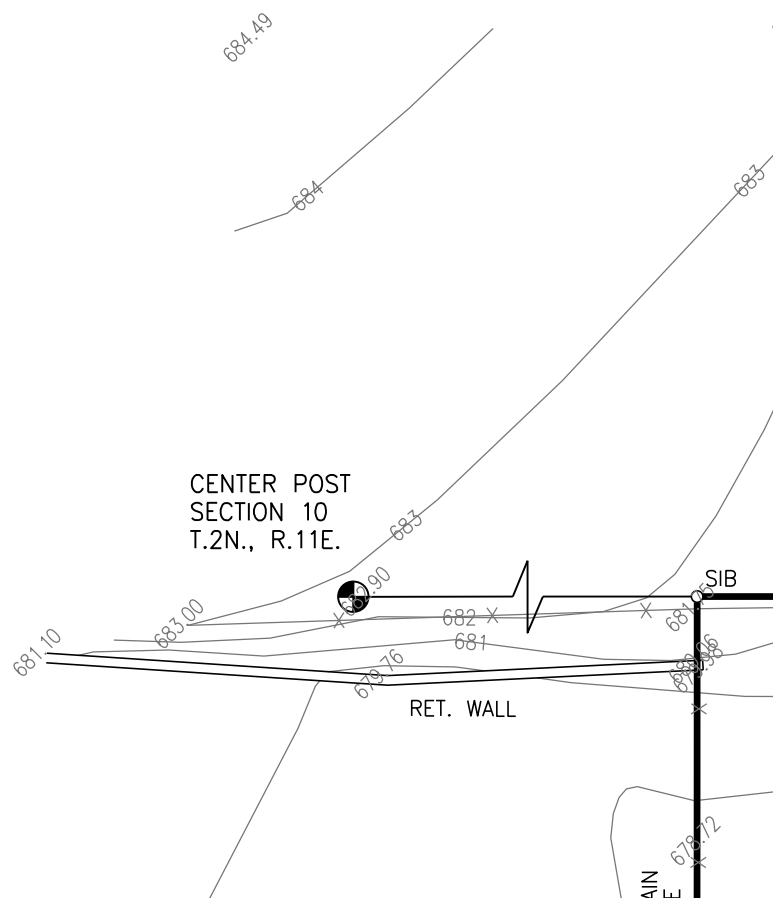
A PLANNING COMMISSION PUBLIC HEARING SHALL BE SCHEDULED FOLLOWING A DETERMINATION BY THE PLANNING DEPARTMENT THAT THE APPLICATION IS COMPLETE.

PLEASE COMPLETE THE FOLLOWING:

1. NAME OF THE PROPOSED DEVELOPMENT: Sylvanwood Court RT Development
2. ADDRESS OF THE SUBJECT PROPERTY: 5395 Rochester
3. CURRENT ZONING CLASSIFICATION: R1-C
4. PROPOSED ZONING CLASSIFICATION: RT
5. TAX ID NUMBER(S) OF SUBJECT PROPERTY: 2010-426-031 2010-426-036 2010-426-029
6. APPLICANT FOR REZONING:
NAME E. Nikolla
COMPANY Eureka Building Co
ADDRESS 1985 W. Big Beaver #320
CITY Troy STATE MI ZIP 48084
TELEPHONE (586) 405 4080
E-MAIL eureka.blade@gmail.com
- OWNER OF THE SUBJECT PROPERTY:
NAME same as applicant
COMPANY _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
TELEPHONE _____
E-MAIL _____
7. THE APPLICANT BEARS THE FOLLOWING RELATIONSHIP TO THE OWNER OF THE SUBJECT PROPERTY:

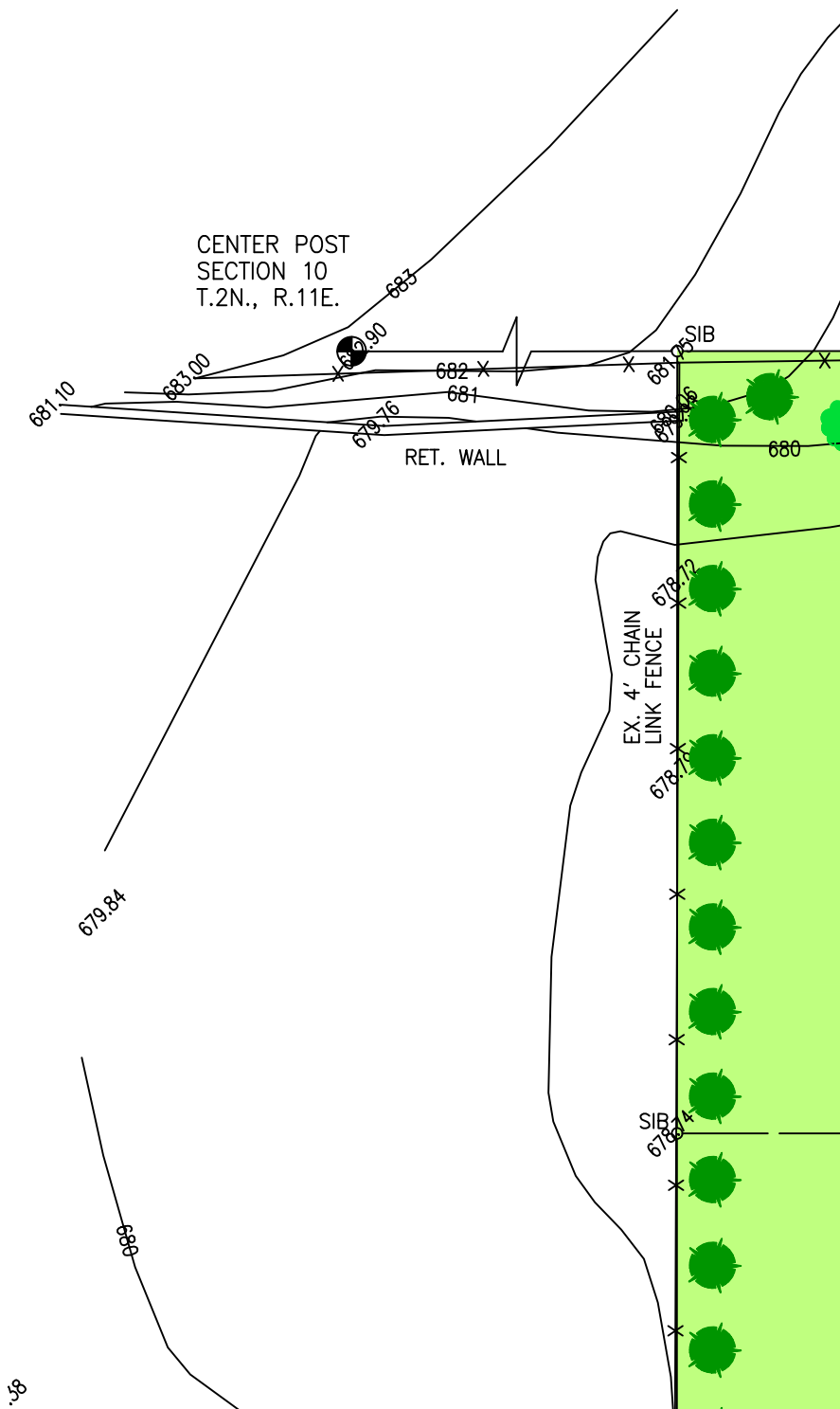
8. SIGNATURE OF THE PROPERTY OWNER: [Signature]
BY THIS SIGNATURE, THE PROPERTY OWNER AUTHORIZES PLACEMENT OF A SIGN ON THE PROPERTY TO INFORM THE PUBLIC AS TO THIS REQUEST FOR REZONING.
9. SIGNATURE OF THE APPLICANT: [Signature]





TOPOGRAPHY LEGEND

| | |
|-------------------------------|--------------------|
| ———— | WATER MAIN |
| ---- | STORM SEWER |
| ----- | SANITARY SEWER |
| ----- | EASEMENT |
| - - - - | EX. U.G. ELEC. |
| ----- | EX.O.H. WIRES |
| - - - - | EX. U.G. TELE. |
| ---- | EX. U.G. GAS |
| ⊗ | ROUND CATCH BASIN |
| ⊗ | SQUARE CATCH BASIN |
| ○ _U | UTILITY MANHOLE |
| ○ _{ST} | STORM MANHOLE |
| ○ _S | SANITARY MANHOLE |
| ◇ _{CO} | CLEAN-OUT |
| ○ _{MH} | MANHOLE |
| ⊗ | HYDRANT |
| ⊗ _{GW} | GATE VALVE WELL |
| ○ _{WV} | WATER VALVE |
| ○ _{WB} | WATER BOX |
| ○ _V | VALVE |
| ☀ | LIGHT POLE |
| ⊠ _{AC} | AIR CONDITIONER |
| ⊠ _{MB} | MAIL BOX |
| ○ | FENCE POST |
| • | DOWN SPOUT |
| ⊕ _{SB} | SOIL BORING |
| ⊠ _E _{PAD} | ELEC TRANS PAD |
| ⊗ _U | UTILITY POLE |
| ⊕ | GUY ANCHOR |
| ⊕ | GUY POLE |
| ⊕ | SIGN POST |
| ⊕ | SPRINKLER HEAD |
| ⊠ _G | GAS METER |
| ⊕ | TELEPHONE RISER |
| ⊕ | ELECTRICAL RISER |
| ⊕ | CABLE TV RISER |
| FF | FINISHED FLOOR |
| GF | GARAGE FLOOR |
| BF | BASEMENT FLOOR |
| CONC. | CONCRETE |
| ○ _{SMN} | SET MAG. NAIL |
| ○ _{SIB} | SET IRON BAR |
| ● _{FIB} | FOUND IRON BAR |
| ● _{F-MON} | FOUND C. MONUMENT |



Rezoning Statement.

ONE (1) HARD COPY OF A PROPOSED SITE PLAN INDICATING THE SUBJECT PROPERTY AND THE BUILDINGS / USES PROPOSED TO BE CONSTRUCTED

A detailed development is not proposed at this time, since the uses will be tied directly into the requirements of the RT one family attached. Once the rezoning to RT is approved, the Planning Department will then be consulted regarding potential development site plan layouts and associated requirements under the zoning ordinance in the ordinary course of action. All site plan, and associated form-based elements, will then be addressed through a site plan submission meeting pursuant to ordinance requirements.

ONE (1) HARD COPY OF A STATEMENT INDICATING WHY, IN THE OPINION OF THE APPLICANT, THE REZONING REQUESTED IS CONSISTENT WITH THE MASTER PLAN, AND WHY SUCH A REZONING IS CONSISTENT WITH ADJACENT ZONING DISTRICTS AND USES, AND WILL NOT BE DETRIMENTAL TO THE PROPERTY OF OTHER PERSONS LOCATED IN THE VICINITY

Re-zoning to RT meets Troy Master Plan objectives by providing a transition from non-residential area & main artery roadway and lower density residential land use areas. The City of Troy Zoning Ordinance has additional requirements that must be met for all rezoning approvals. More specifically, Section 16.03(C), Rezoning Procedures, of the ordinance provides the following standards for rezoning requests:

C. Standards for Approval. A rezoning may be approved upon a finding and determination that all of the following are satisfied:

1. The proposed rezoning is consistent with the Master Plan. If the current zoning is in material conflict with the Master Plan, such conflict is due to one of the following: a. A change in City policy since the Master Plan was adopted. b. A change in conditions since the Master Plan was adopted. c. An error in the Master Plan.

The proposed rezoning of the subject site from R1-C, One Family Residential District, to RT Multi Family Residential, is consistent with the Future Land Use designation of Rochester Road in the City of Troy Master Plan. The project enables medium density residential development in one of the "Targeted

2. The proposed rezoning will not cause nor increase any non-conformity.

The proposed rezoning to RT One Family Attached will not cause or increase any non-conformity. Any new development must be in conformity with current City ordinances and Planning Department site plan review and approval as such the development will of necessity continue and transition the current theme of the neighborhood.

3. Public services and facilities affected by a proposed development will be capable of accommodating service and facility loads caused by use of the development.

The subject site is not large in size (1.2 acres) and any proposed development, in compliance with the RT One Family Attached would be easily accommodated by public services and facilities that serve the surrounding commercial and residential developments.

4. The rezoning will not impact public health, safety, or welfare.

The proposed RT designation for this site, and the associated development review process, is intended to ensure that a project does not impact the public health, safety, or welfare. The very designation of the site is intended to provide affordable housing for young families.

5. The rezoning will ensure compatibility with adjacent uses of land.

The rezoning will continue an ongoing theme in the Rochester Road corridor where a number of RT developments have been approved by the city and constructed in recent years in conformity with the Master Plan and its dictates.

ONE (1) CD CONTAINING AN ELECTRONIC VERSION OF THE COMPLETE REZONING APPLICATION

A flash drive with the complete application is provided



Carlisle | Wortman
ASSOCIATES, INC.

117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: September 24, 2019

Rezoning Analysis For City of Troy, Michigan

| | |
|------------------------------|---|
| Project Name: | Sylvanwood Court RT Development |
| Location: | 5395 Rochester Road |
| Current Zoning: | R-1C, One-Family Residential |
| Proposed Rezoning: | RT, One-Family Attached Residential |
| Action Requested: | Rezone to RT, One-Family Attached Residential |
| Required Information: | As provided within this review |

PROJECT AND SITE DESCRIPTION

An application was submitted to straight rezone the property at 5395 Rochester Road from one-family residential (R-1C) to one-family attached residential (RT). There are no conditions offered by the applicant for the rezoning. The 1.20-acre site includes three (3) parcels. Two (2) parcels are vacant and one (1) parcel is improved with a single-family home.

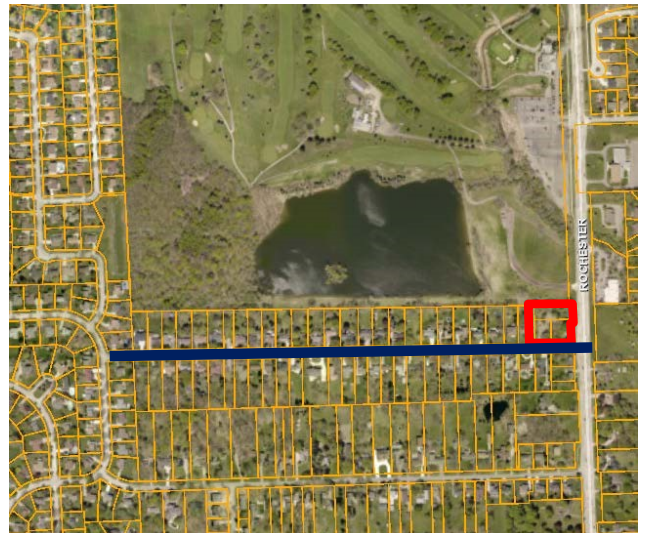
In late 2018, the Planning Commission recommended Conditional Rezoning of the site, with the condition of the rezoning to be the site plan. The site plan proposed to construct ten (10) multiple family units, 30-feet in height. If the site was straight rezoned to RT, ten (10) units, 30-feet in

An aerial image of the subject site is depicted in **Figure 1**.

Figure 1: Subject Site



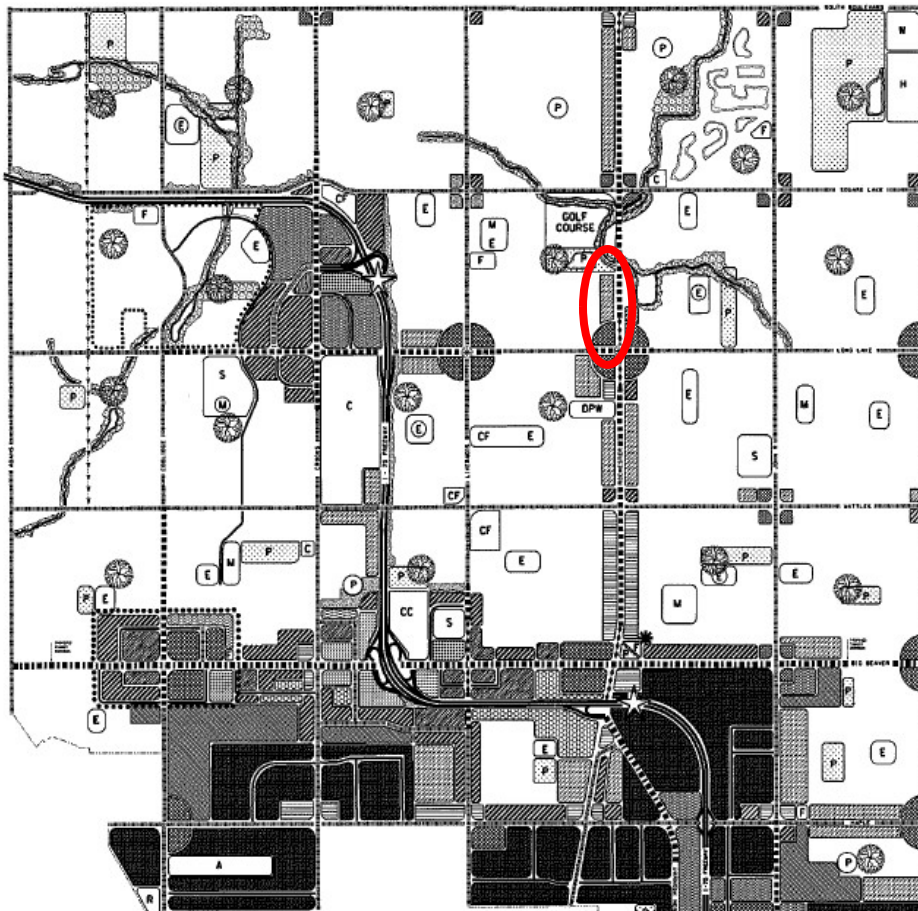
Sylvanwood (outlined in Blue) is a paved street, approximately 22-feet in road paving width, with approximately +/- 53 houses street fronting on it.



MASTER PLAN (HISTORY AND CURRENT)

In 1999, the city updated the Master Land Use Plan. During the process, the city spent considerable amount of time and input deliberating the future use of key corridors including Big Beaver, Crooks, Maple, and Rochester. Due to traffic volume, noise, and market economics, the Future Land Use Plan recognized parcels that abut major mile corridors such as Rochester would be difficult to develop or redevelop as single-family residential. For this reason, the city considered alternative land use patterns along these corridors that were contextually relevant and compatible with surrounding and adjacent land use.

The 1999 amended Master Land Use Plan , added medium density residential along Rochester Road north of Wattles.



In 2002, the City adopted a Future Land Use Plan, which retained medium density residential along Rochester Road north of Wattles. In 2008, the City comprehensively updated the Master Plan. The process of updating the Master Plan included a significant public participation component that included numerous opportunities for public input. The 2008 comprehensive update to the Master Plan also retained medium density residential along Rochester Road north of Wattles.

The Master Plan was updated in 2017, also retained medium density residential along Rochester Road north of Wattles. From a land use perspective, the updated 2017 Master Plan calls for this site:

North of Long Lake Road, the land use pattern evolves, becoming a mix of commercial and office near the intersections and older single-family homes and multiple-family complexes in between.

Uses along Rochester Road will include a variety of mixed uses, established in a “pulsing” pattern where the most intense mixed-use or exclusively non-residential development will occur near the Neighborhood Nodes situated along its main intersections. Lower-impact uses, such as small scale retail or condominiums should be encouraged along the corridor frontage between these nodes.....The areas between nodes should develop as lower-rise office and multiple-family. The height differences encourage a visual “pulse.” (pg. 87-88)

This section of Rochester Road Master Plan also calls for use of innovative stormwater management:

Ultimately, the Rochester Road Corridor will become a regional showcase for effective stormwater management and enhancement of the natural environment, while encouraging a combination of high-quality land uses. Effective landscaping focused on native plantings, and improved land use and access management along Rochester will create a green corridor that provides a high level of service for motorists, and which provides an effective natural buffer between high traffic volumes and people visiting adjacent properties. The creation of this green corridor would occur primarily in the right-of-way along road frontages and in the median of a future boulevard.

New construction along the corridor may include detention and retention basins that work together from site-to-site with other features to create a continuous, linear landscape

PROPOSED DEVELOPMENT VS. BY-RIGHT

The stated intent of the RT, One Family Attached Residential is as follows:

SECTION 4.07 RT ONE-FAMILY ATTACHED RESIDENTIAL DISTRICT

A. Intent. The intent of the RT, One-Family Attached Residential District is to provide medium density residential areas in those areas which are served with public sewer and water, and where attached forms of residential development achieves the objectives of the Master Plan. The District is designed primarily to permit attached residential dwellings which may serve as a transition between high intensity or nonresidential use areas, and lower density residential land use areas. The RT District is further intended to provide medium density residential development in compact areas so as to encourage walkability.

The RT, One-family Attached Residential District is consistent with the medium density residential as contemplated in the Master Plan.

The table below outlines the development differences of the proposed plan versus what could be done by-right under the current zoning:

| | By-Right R-1C Zoning | Proposed by applicant if rezoned to RT Zoning |
|-------------------|--|---|
| Density | 4 single-family detached lots via a site condominium | 10 multiple family units |
| Height | 2.5 stories and 30 feet | 2.5 stories and 30 feet |
| Setbacks | Front: 30 feet Sides: 15 feet Rear: 40 feet | Front (Rochester): 50 feet Front (Sylvanwood): 25 feet Sides: 5 single / 15 total feet Rear: 35 feet |
| Open Space | Max % of lot covered by building: 30% | Max % of lot covered by building: 30% |

If rezoned the maximum number and height of units if rezoned would be ten (10) units, 30-feet in height

TRAFFIC STUDY

Based upon the 10-unit plan previously submitted by the applicant, the City's traffic consultant, OHM, conducted a traffic review. See the OHM memo for additional details. OHM's review concludes:

During the morning (AM) peak hour, the proposed Sylvanwood condominium development is expected to generate 5 new trips: 1 inbound (entering the site), and 4 outbound (exiting the site). During the evening (PM) peak hour, the proposed site is expected to generate 8 new vehicle trips: 5 inbound (entering the site) trips, and 3 outbound (exiting the site). This pattern coincides with residents typically leaving in the morning for work, and returning home in the evening.

On Sylvanwood Drive, the development would result in slight increases to traffic volumes, amounting to one additional vehicle every 7-8 minutes during "rush hour". Most drivers would not even notice this additional traffic.

In conclusion, the traffic impacts as a result of the proposed development are very minimal and are not expected to significantly worsen traffic conditions on Sylvanwood Drive or Rochester Road.

REZONING STANDARDS

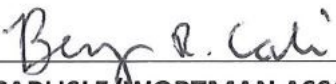
As set forth in Section 16.03.C, the Planning Commission shall consider the following standards:

1. *The proposed rezoning is consistent with the Master Plan. If the current zoning is in material conflict with the Master Plan, such conflict is due to one of the following:*
 - a. *A change in City policy since the Master Plan was adopted.*
 - b. *A change in conditions since the Master Plan was adopted.*
 - c. *An error in the Master Plan.*
2. *The proposed rezoning will not cause nor increase any non-conformity.*
3. *Public services and facilities affected by a proposed development will be capable of accommodating service and facility loads caused by use of the development.*
4. *The rezoning will not impact public health, safety, or welfare.*

- Rezoning the site that abut Rochester Road from R-1C, One-Family Residential District to RT, One-Family Attached Residential District is consistent with the Master Plan.
- Rezoning the site to RT, One-Family Attached Residential District provides a transition from the heavily traveled Rochester Road arterial to the adjacent neighborhood.
- Innovative stormwater management can be required and confirmed during the site planning process.
- The rezoning will permit a maximum of 10 townhome units, as compared to four (4) single-family homes permitted with the current R-1C Zoning. Six (6) more units than what can be built with the current zoning will not adversely impact the public health, safety, and welfare of the neighborhood.
- Based on the maximum number of ten (10) units that could be constructed if built, the traffic impact analysis concludes that *"The traffic impacts as a result of the proposed development are very minimal and are not expected to significantly worsen traffic conditions on Sylvanwood Drive or Rochester Road."*

RECOMMENDATIONS

We recommend rezoning of the properties from R-1C, One-Family Residential District to RT, One-Family Attached Residential District



CARLISLE/WORTMAN ASSOC., INC.
Benjamin R. Carlisle, AICP, LEED AP

PUBLIC HEARING – SYLVANWOOD COURT RT DEVELOPMENT REZONING REQUEST (Z JPLN2019-0015) – Proposed Sylvanwood Court RT Development Rezoning, Northwest Corner of Rochester and Sylvanwood (88-20-10-426-029, 88-20-10-426-030, 88-20-10-426-031), Section 10, From R-1C (One Family Residential) Zoning District to RT (One Family Attached Residential) Zoning District

Mr. Savidant presented a background and history of a previous Conditional Rezoning request for the subject property. He explained the request before the Board this evening is a straight rezoning request with no conditions attached to it. Mr. Savidant reviewed the City's Land Use Policies along Rochester Road dating back to 1999 and stated the City's Land Use Policies for the last 20 years have called for medium density residential along Rochester Road and north of Wattles.

Mr. Carlisle reviewed the rezoning request application and compared what could be developed by-right with R-1C zoning versus what could be developed with the proposed RT zoning. He addressed the traffic review and findings of the City Traffic Consultant (OHM) and the Rezoning Standards for consideration by the Planning Commission. Mr. Carlisle recommended that the Planning Commission recommend to City Council to grant the rezoning request.

Erion Nikolla said the rezoning request is to develop multiple family residential at this site which is consistent with the Master Plan. Mr. Nikolla said the proposed development would be very similar to the conceptual plan submitted in the application.

There was discussion on:

- Master Plan classification along Rochester Road.
- Correlation between previously denied Conditional Rezoning request and traditional Rezoning Request before the Board this evening.
- Proposed development as relates to adjacent single family residential and City right-of-way.
- Conceptual plan; non-binding.
- Density and building height permitted in RT zoning district.

PUBLIC HEARING OPENED

The following people spoke in opposition expressing concerns with traffic, traffic study results, compatibility with existing neighborhood, property values, density,

- Don Tarr, 937 Sylvanwood
- Daniel Levitt, 871 Sylvanwood
- Richard Lisowski, 5697 Wright
- Marcia Bossenberger, 369 Ottawa
- April Orselli, 894 Sylvanwood
- Tara Hulett, 948 Sylvanwood
- Allison Peck, 863 Sylvanwood
- Christine Simancik, 5464 Whitehaven
- Matthew Mikiczenko, 625 Sylvanwood
- David Orselli, 894 Sylvanwood
- Danuta Sitarczyk, 895 Sylvanwood
- Nathaniel Wilkowski, 1396 Byron Lane
- Jeanne Mikiczenko, 625 Sylvanwood
- Chris Sarsfield, 773 Sylvanwood
- Pierre Harik, 692 Sylvanwood
- Dorothy Clendening, 5371 Rochester
- Mike Donahue, 962 Sylvanwood
- Robert Flora, 607 Sylvanwood
- Surab Shrestha, 674 Sylvanwood

PUBLIC HEARING CLOSED

Discussion continued:

- Role of Planning Commission; recommending body, legal constraints.
- Rezoning request as relates to Master Plan and Rezoning Standards.
- City Traffic Consultant findings; trip generations.
- Access; off Sylvanwood or Rochester.
- Right-of-way acquisition; site plan requirement to meet ultimate right-of-way.
- Existing traffic and safety concerns; speeding, cut-through, no sidewalks.

Mr. Lambert addressed concerns of compatibility with adjacent single family residential, as relates to Rezoning Standard No. 5.

Chair Faison addressed concerns with public health, safety and welfare of potential traffic impact resulting from access off Sylvanwood, as relates to Rezoning Standard No. 4.

Resolution # PC-2019-10-069

Sylvanwood, within Section 10, being approximately 1.2 acres in size, be **GRANTED** for the following reasons:

1. The proposed rezoning is consistent with the Master Plan.
2. The proposed rezoning does not appear to cause or increase any nonconformity.
3. If rezoned the property will be capable of accommodating service and facility loads caused by use of the development.
4. The rezoning does not appear to impact public health, safety or welfare.
5. The rezoning will ensure compatibility with adjacent uses of land.

Yes: Apahidean, Crusse, Fowler, Hutson, Tagle

No: Faison, Krent, Lambert, Rahman

MOTION CARRIED

memorandum

Date: December 6, 2019

To: Bill Huotari, PE

CC: Stephen Dearing, PE, PTOE

From: Stephan Maxe, PE

Re: Speeding/Cut-Through Traffic Concerns on Sylvanwood Drive

Introduction

There are resident concerns related to the development of 10 units of condominiums on Sylvanwood Drive at the intersection with Rochester Road. This is due to the perceived existing issue of speeding along Sylvanwood Drive as well as cut through traffic. In order to address these concerns a speed and volume study was conducted on Sylvanwood Drive, Trinway Road and Creston Road as these are all parallel streets with access to Rochester Road in the area of the proposed development. This study will also investigate if there is cut through traffic and discuss possible countermeasures.

Speed and Volume Study

As requested, speed and volume data has been collected on Sylvanwood Drive, Trinway Road and Creston Road west of Rochester Road. The data has been processed and summarized. Attached to this memo is the actual data collected for both speed and volumes. The posted speed limit is 25 mph on all 3 roads. Data was collected for a time period spanning from October 11, 2019 to October 28, 2019.



Table 1 - Speed Data Results

| Sylvanwood Drive | | |
|-----------------------------------|------------------|------------------|
| | Westbound | Eastbound |
| 85 th Percentile (MPH) | 29 | 33 |
| Mean Speed (MPH) | 24 | 27 |
| 10 MPH Pace Speed (MPH) | 21-30 | 21-30 |
| Percent in Pace (%) | 66.7 | 58.8 |
| Violation Rate (%) | 48.0 | 67.7 |
| Trinway Road | | |
| | Westbound | Eastbound |
| 85 th Percentile (MPH) | 30 | 34 |
| Mean Speed (MPH) | 25 | 28 |
| 10 MPH Pace Speed (MPH) | 21-30 | 26-35 |
| Percent in Pace (%) | 62.4 | 59.0 |
| Violation Rate (%) | 49.1 | 71.6 |
| Creston Road | | |
| | Westbound | Eastbound |
| 85 th Percentile (MPH) | 34 | 36 |
| Mean Speed (MPH) | 26 | 30 |
| 10 MPH Pace Speed (MPH) | 26-35 | 26-35 |
| Percent in Pace (%) | 48.4 | 54.9 |
| Violation Rate (%) | 60.1 | 76.2 |

Based on Table 1, at all 3 locations, the 85th percentile speed is higher than the posted speed limit of 25 mph for both directions.

Table 2 is a day-by-day summary of the traffic volumes along Sylvanwood Drive, Trinway Road and Creston Road. On average, eastbound traffic volumes (entering the neighborhood) are higher on all the study roadways.



Table 2 –Traffic Volumes

| Sylvanwood Drive | | | |
|---------------------------------------|------------------|------------------|--------------|
| Day | Westbound | Eastbound | Total |
| Saturday 10/12 | 213 | 209 | 422 |
| Sunday 10/13 | 209 | 195 | 404 |
| Monday 10/14 | 246 | 284 | 530 |
| Tuesday 10/15 | 268 | 288 | 556 |
| Wednesday 10/16 | 249 | 270 | 519 |
| Thursday 10/17 | 263 | 297 | 560 |
| Average Weekday Daily Traffic* | 261 | 285 | 546 |
| Average Weekend Daily Traffic | 211 | 202 | 413 |
| Trinway Road | | | |
| Day | Westbound | Eastbound | Total |
| Saturday 10/12 | 216 | 269 | 485 |
| Sunday 10/13 | 174 | 224 | 398 |
| Monday 10/14 | 206 | 294 | 500 |
| Tuesday 10/15 | 239 | 324 | 563 |
| Wednesday 10/16 | 213 | 316 | 529 |
| Thursday 10/17 | 246 | 336 | 582 |
| Average Weekday Daily Traffic* | 133 | 325 | 558 |
| Average Weekend Daily Traffic | 195 | 247 | 442 |
| Creston Road | | | |
| Day | Westbound | Eastbound | Total |
| Tuesday 10/22 | 151 | 293 | 444 |
| Wednesday 10/23 | 128 | 404 | 532 |
| Thursday 10/24 | 138 | 327 | 465 |
| Friday 10/25 | 148 | 278 | 426 |
| Saturday 10/26 | 123 | 194 | 317 |
| Sunday 10/28 | 103 | 134 | 237 |
| Average Weekday Daily Traffic* | 139 | 341 | 480 |
| Average Weekend Daily Traffic | 113 | 164 | 277 |

Table 3 shows the percentage of the total traffic in each speed range.



Table 3 –Percent Traffic Volume in Each Speed Range

| Sylvanwood Drive | | |
|-------------------------|------------------|------------------|
| Speed Range | Westbound | Eastbound |
| 1-15 | 9.8% | 7.7% |
| 16-20 | 6.4% | 5.6% |
| 21-25 | 31.3% | 19.0% |
| 26-30 | 35.4% | 35.2% |
| 31-35 | 9.8% | 23.6% |
| 36-40 | 2.1% | 7.5% |
| 41-45 | 0.3% | 1.4% |
| Trinway Road | | |
| Speed Range | Westbound | Eastbound |
| 1-15 | 7.8% | 6.9% |
| 16-20 | 12.4% | 5.0% |
| 21-25 | 30.7% | 16.4% |
| 26-30 | 31.7% | 32.0% |
| 31-35 | 14.3% | 27.0% |
| 36-40 | 2.7% | 10.4% |
| 41-45 | 0.3% | 1.9% |
| Creston Road | | |
| Speed Range | Westbound | Eastbound |
| 1-15 | 11.7% | 6.6% |
| 16-20 | 9.0% | 3.8% |
| 21-25 | 19.3% | 13.4% |
| 26-30 | 27.7% | 26.3% |
| 31-35 | 20.7% | 28.6% |
| 36-40 | 8.8% | 16.3% |
| 41-45 | 2.4% | 3.9% |

Cut-Through Traffic

There are over 200 single-family homes in the southeast quadrant of the square mile bounded by Long Lake Road, Livernois Road, Rochester Road and Square Lake Road. There are even more in the western part of this square mile as the lots are more compact. This southeast quadrant has access to/from Rochester Road via Sylvanwood Drive, Trinway Road and Creston Road as well as to/from Long Lake Road via Somerton Drive and Falmouth Drive.

The ITE trip generation manual, 10th Edition was used to determine the expected number of vehicle



In summary, there is not an obvious case of vehicles utilizing Sylvanwood Drive, Trinway Road or Creston Road as a cut-through between the major (arterial) roads.

Traffic Calming

Traffic calming measures are used to reduce vehicle speeds, volumes, or both to improve the safety and comfort of pedestrians and bicyclists. Lower traffic volumes reduce the number of potential conflicts between pedestrians or bikes and vehicles, while lower rates of speed reduce the likelihood of severe injury in the event a crash occurs, as well as provide more time to perceive and react to potential conflicts, such as a pedestrian crossing the road. However, installing calming measures remains a trade-off, as it reduces the efficient travel of vehicles – including essential public services like police, fire trucks, school buses, snow removal, and trash collection.

Most traffic calming measures include physical alterations intended to slow traffic, by forcing vehicles to maneuver around or over obstacles. These alterations may consist of center islands, curb bulb-outs, chicanes, mini roundabouts, and speed tables, to name a few. Calming measures to reduce traffic volumes involve restricting vehicle access, such as installing barriers or by street closures. However, because these also impact emergency vehicles, DPW maintenance, and other essential services, proposed measures must judiciously consider overall public safety and mobility needs.

Resident concerns and the speed study conducted do show that speeds on all 3 streets have high violation rates with speeds over 25 mph on average. All 3 streets are straight roadways with no horizontal or vertical curves or traffic control measures between their end points.

Initially, we recommend first applying education & enforcement strategies that do not physically modify the street, such as supplementing law enforcement patrols with a neighborhood speed watch program or a neighborhood awareness campaign. If speeding concerns persist, we suggest consideration of a horizontal deflection, such as a chicane or reducing the width of the street through the installation of a median island or curb modifications.

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 07-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | WB |
|------------|-----------|----|-----|----|-----|----|-----|----|-------|-------|-------|-------|-------|
| | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB |
| 12:00 AM | * | * | * | * | * | * | * | * | * | * | 2 | 0 | |
| 01:00 | * | * | * | * | * | * | * | * | * | * | 1 | 0 | |
| 02:00 | * | * | * | * | * | * | * | * | * | * | 2 | 1 | |
| 03:00 | * | * | * | * | * | * | * | * | * | * | 3 | 0 | |
| 04:00 | * | * | * | * | * | * | * | * | * | * | 0 | 1 | |
| 05:00 | * | * | * | * | * | * | * | * | * | * | 2 | 1 | |
| 06:00 | * | * | * | * | * | * | * | * | * | * | 0 | 3 | |
| 07:00 | * | * | * | * | * | * | * | * | * | * | 0 | 7 | |
| 08:00 | * | * | * | * | * | * | * | * | * | * | 4 | 12 | |
| 09:00 | * | * | * | * | * | * | * | * | * | * | 3 | 13 | |
| 10:00 | * | * | * | * | * | * | * | * | * | * | 6 | 10 | |
| 11:00 | * | * | * | * | * | * | * | * | * | * | 14 | 21 | |
| 12:00 PM | * | * | * | * | * | * | * | * | * | * | 20 | 11 | |
| 01:00 | * | * | * | * | * | * | * | * | 16 | 10 | 17 | 16 | |
| 02:00 | * | * | * | * | * | * | * | * | 15 | 13 | 18 | 15 | |
| 03:00 | * | * | * | * | * | * | * | * | 14 | 22 | 20 | 19 | |
| 04:00 | * | * | * | * | * | * | * | * | 20 | 25 | 18 | 14 | |
| 05:00 | * | * | * | * | * | * | * | * | 18 | 25 | 22 | 13 | |
| 06:00 | * | * | * | * | * | * | * | * | 19 | 26 | 23 | 16 | |
| 07:00 | * | * | * | * | * | * | * | * | 10 | 13 | 16 | 13 | |
| 08:00 | * | * | * | * | * | * | * | * | 18 | 9 | 5 | 6 | |
| 09:00 | * | * | * | * | * | * | * | * | 10 | 8 | 9 | 3 | |
| 10:00 | * | * | * | * | * | * | * | * | 6 | 6 | 4 | 9 | |
| 11:00 | * | * | * | * | * | * | * | * | 6 | 3 | 4 | 5 | |
| Lane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 | 160 | 213 | 209 | 2 |
| Day | 0 | | 0 | | 0 | | 0 | | 312 | | 422 | | |
| AM Peak | - | - | - | - | - | - | - | - | - | - | 11:00 | 11:00 | 10:00 |
| Vol. | - | - | - | - | - | - | - | - | - | - | 14 | 21 | |
| PM Peak | - | - | - | - | - | - | - | - | 16:00 | 18:00 | 18:00 | 15:00 | 16:00 |
| Vol. | - | - | - | - | - | - | - | - | 20 | 26 | 23 | 19 | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 14-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | WB |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|----|
| | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB |
| 12:00 AM | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | * | * | |
| 01:00 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | * | * | |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | |
| 03:00 | 1 | 0 | 3 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | * | * | |
| 04:00 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | * | * | |
| 05:00 | 0 | 5 | 1 | 4 | 0 | 3 | 2 | 4 | 0 | 2 | * | * | |
| 06:00 | 4 | 10 | 4 | 13 | 4 | 9 | 4 | 3 | 3 | 9 | * | * | |
| 07:00 | 12 | 20 | 16 | 19 | 14 | 25 | 12 | 25 | 11 | 22 | * | * | |
| 08:00 | 21 | 35 | 21 | 33 | 18 | 25 | 16 | 29 | 14 | 22 | * | * | |
| 09:00 | 14 | 9 | 14 | 13 | 12 | 11 | 9 | 9 | 9 | 16 | * | * | |
| 10:00 | 9 | 9 | 14 | 7 | 12 | 15 | 7 | 21 | 9 | 10 | * | * | |
| 11:00 | 11 | 14 | 11 | 14 | 7 | 9 | 15 | 15 | 20 | 11 | * | * | |
| 12:00 PM | 20 | 22 | 10 | 12 | 16 | 13 | 18 | 25 | 30 | 27 | * | * | |
| 01:00 | 13 | 14 | 18 | 17 | 18 | 10 | 9 | 17 | 30 | 10 | * | * | |
| 02:00 | 16 | 25 | 14 | 22 | 21 | 19 | 23 | 17 | 12 | 14 | * | * | |
| 03:00 | 19 | 26 | 23 | 20 | 24 | 28 | 22 | 20 | * | * | * | * | |
| 04:00 | 15 | 16 | 22 | 17 | 13 | 22 | 20 | 20 | * | * | * | * | |
| 05:00 | 27 | 27 | 21 | 35 | 24 | 25 | 31 | 29 | * | * | * | * | |
| 06:00 | 19 | 14 | 25 | 24 | 16 | 23 | 18 | 21 | * | * | * | * | |
| 07:00 | 21 | 18 | 14 | 13 | 24 | 13 | 14 | 14 | * | * | * | * | |
| 08:00 | 13 | 9 | 19 | 16 | 17 | 10 | 23 | 15 | * | * | * | * | |
| 09:00 | 4 | 5 | 7 | 3 | 3 | 5 | 10 | 6 | * | * | * | * | |
| 10:00 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 3 | * | * | * | * | |
| 11:00 | 4 | 1 | 4 | 0 | 2 | 1 | 2 | 1 | * | * | * | * | |
| Lane | 246 | 284 | 268 | 288 | 249 | 270 | 263 | 297 | 140 | 147 | 0 | 0 | |
| Day | 530 | | 556 | | 519 | | 560 | | 287 | | 0 | | |
| AM Peak | 08:00 | 08:00 | 08:00 | 08:00 | 08:00 | 07:00 | 08:00 | 08:00 | 11:00 | 07:00 | - | - | |
| Vol. | 21 | 35 | 21 | 33 | 18 | 25 | 16 | 29 | 20 | 22 | - | - | |
| PM Peak | 17:00 | 17:00 | 18:00 | 17:00 | 15:00 | 15:00 | 17:00 | 17:00 | 12:00 | 12:00 | - | - | |
| Vol. | 27 | 27 | 25 | 35 | 24 | 28 | 31 | 29 | 30 | 27 | - | - | |

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|-------------|---------|----------|-----|-----|-----|-----|
| Comb. Total | 530 | 556 | 519 | 560 | 599 | 422 |
| ADT | ADT 545 | AADT 545 | | | | |

WB

Advancing Communities

AM Peak
Vol.

| PM Peak | Vol. |
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| 158 | 79.5 |
| 159 | 80.0 |
| 160 | 80.5 |
| 161 | 81.0 |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/12/19 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 2 | 2 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 2 | 3 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 3 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 7 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 1 | 3 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 2 | 4 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 1 | 6 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 6 | 5 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 5 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 21 | 57 | 96 | 26 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 4.7% | 9.9% | 26.8% | 45.1% | 12.2% | 1.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 11:00 | 10:00 | 11:00 | 11:00 | 11:00 | | | | | | | | |
| Vol. | 2 | 2 | 3 | 5 | 2 | | | | | | | | |
| PM Peak | 17:00 | 18:00 | 14:00 | 15:00 | 12:00 | 14:00 | | | | | | | |
| Vol. | 3 | 6 | 7 | 13 | 3 | 1 | | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/13/19 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 1 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 2 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 3 | 1 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 2 | 1 | 7 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 4 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 3 | 7 | 8 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 1 | 5 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 2 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 27 | 62 | 82 | 19 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 4.8% | 12.9% | 29.7% | 39.2% | 9.1% | 3.3% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 04:00 | 11:00 | 08:00 | 09:00 | 10:00 | 10:00 | | | | | | | |
| Vol. | 1 | 2 | 4 | 5 | 2 | 1 | | | | | | | |
| PM Peak | 12:00 | 18:00 | 16:00 | 14:00 | 16:00 | 13:00 | 16:00 | | | | | | |
| Vol. | 3 | 5 | 7 | 9 | 4 | 3 | 1 | | | | | | |

OHM Advisors
34000 Plymouth Road
Livonia, MI 48150
Advancing Communities

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/14/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 2 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 4 | 1 | 7 | 5 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 09:00 | 1 | 3 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 2 | 0 | 3 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 5 | 6 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 2 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 1 | 4 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 1 | 9 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 4 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 4 | 6 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 3 | 1 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 8 | 3 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 3 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 35 | 33 | 75 | 75 | 21 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Percent | 14.2% | 13.4% | 30.5% | 30.5% | 8.5% | 2.4% | 0.0% | 0.0% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 07:00 | 08:00 | 08:00 | 06:00 | 07:00 | | | | 08:00 | | | |
| Vol. | 4 | 3 | 7 | 5 | 2 | 1 | | | | 1 | | | |
| PM Peak | 19:00 | 12:00 | 15:00 | 17:00 | 13:00 | 14:00 | | | | | | | |
| Vol. | 8 | 6 | 9 | 11 | 3 | 1 | | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/15/19 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 3 | 0 | 7 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 5 | 2 | 4 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 2 | 1 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 3 | 3 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 1 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 3 | 8 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 3 | 2 | 7 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 3 | 5 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 3 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 5 | 4 | 4 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 6 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 5 | 1 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 40 | 29 | 81 | 91 | 21 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 14.9% | 10.8% | 30.2% | 34.0% | 7.8% | 1.9% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 10:00 | 07:00 | 08:00 | 08:00 | 07:00 | | 03:00 | | | | | |
| Vol. | 5 | 3 | 7 | 7 | 2 | 2 | | 1 | | | | | |
| PM Peak | 18:00 | 16:00 | 13:00 | 15:00 | 18:00 | 13:00 | | | | | | | |
| Vol. | 5 | 5 | 8 | 10 | 4 | 1 | | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|----------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/16/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 3 | 4 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 2 | 1 | 6 | 7 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 2 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 4 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 2 | 8 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 6 | 5 | 7 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 0 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 0 | 11 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 2 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 1 | 9 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 0 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 20 | 25 | 87 | 92 | 20 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Percent | 8.0% | 10.0% | 34.9% | 36.9% | 8.0% | 1.2% | 0.0% | 0.4% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 07:00 | 07:00 | 08:00 | 10:00 | 09:00 | 09:00 | | | 08:00 | | | | |
| Vol. | 3 | 4 | 6 | 8 | 2 | 1 | | | 1 | | | | |
| PM Peak | 17:00 | 15:00 | 17:00 | 19:00 | 15:00 | 16:00 | | 15:00 | | | | | |
| Vol. | 3 | 6 | 11 | 11 | 4 | 1 | | 1 | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/17/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 3 | 2 | 5 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 2 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 3 | 6 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 1 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 1 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 4 | 0 | 10 | 2 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 3 | 5 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 2 | 8 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 9 | 3 | 9 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 3 | 0 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 2 | 6 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 3 | 3 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 2 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 30 | 28 | 90 | 79 | 29 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Percent | 11.4% | 10.6% | 34.2% | 30.0% | 11.0% | 1.5% | 0.4% | 0.4% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 11:00 | 11:00 | 07:00 | 09:00 | | 08:00 | | 11:00 | | | | |
| Vol. | 3 | 3 | 6 | 5 | 2 | | 1 | | 1 | | | | |
| PM Peak | 17:00 | 15:00 | 20:00 | 15:00 | 14:00 | 13:00 | | 14:00 | | | | | |
| Vol. | 9 | 3 | 11 | 8 | 4 | 2 | | 1 | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start Time | 15 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/18/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 4 | 2 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 3 | 0 | 5 | 8 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 4 | 8 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 0 | 7 | 14 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 4 | 1 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 15 | 9 | 39 | 53 | 19 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 10.7% | 6.4% | 27.9% | 37.9% | 13.6% | 2.1% | 1.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 08:00 | 07:00 | 11:00 | 09:00 | 08:00 | 11:00 | | | | | | |
| Vol. | 4 | 2 | 6 | 8 | 2 | 1 | 2 | | | | | | |
| PM Peak | 14:00 | 12:00 | 12:00 | 13:00 | 13:00 | 13:00 | | | | | | | |
| Vol. | 4 | 4 | 8 | 14 | 6 | 1 | | | | | | | |
| Total | 171 | 190 | 544 | 616 | 171 | 36 | 5 | 4 | 2 | 1 | 0 | 0 | 0 |
| Percent | 9.8% | 10.9% | 31.3% | 35.4% | 9.8% | 2.1% | 0.3% | 0.2% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% |

15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Stats
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1160
 Percent in Pace : 66.7%
 Number of Vehicles > 25 MPH : 835
 Percent of Vehicles > 25 MPH : 48.0%
 Mean Speed(Average) : 24 MPH

EB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|--------------|------------|------------|------------|-------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|
| 10/11/19 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13:00 | 2 | 0 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 3 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 0 | 2 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 2 | 4 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 1 | 6 | 9 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 0 | 8 | 10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 1 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14 | 5 | 35 | 60 | 37 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 8.8% | 3.1% | 21.9% | 37.5% | 23.1% | 5.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | | | | | | | | | | | | | |
| PM Peak Vol. | 13:00 2 | 16:00 2 | 18:00 8 | 15:00 12 | 18:00 6 | 13:00 2 | | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/12/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 2 | 1 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 0 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 2 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 3 | 1 | 4 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 1 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 0 | 2 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 4 | 7 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 1 | 3 | 4 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 0 | 1 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 0 | 5 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 1 | 5 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 1 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 0 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 12 | 35 | 70 | 59 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.2% | 5.7% | 16.7% | 33.5% | 28.2% | 8.1% | 1.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 11:00 | 08:00 | 11:00 | 11:00 | 11:00 | 07:00 | 09:00 | | | | | | |
| Vol. | 3 | 2 | 4 | 6 | 7 | 2 | 1 | | | | | | |
| PM Peak | 13:00 | 15:00 | 17:00 | 12:00 | 15:00 | 16:00 | 14:00 | | | | | | |
| Vol. | 2 | 1 | 5 | 7 | 8 | 2 | 1 | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 15 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/13/19 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 1 | 3 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 2 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 0 | 1 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 2 | 0 | 3 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 0 | 3 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 2 | 3 | 10 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 2 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 0 | 1 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 4 | 4 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 2 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 1 | 4 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 3 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 10 | 32 | 54 | 70 | 18 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 2.1% | 5.1% | 16.4% | 27.7% | 35.9% | 9.2% | 3.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 11:00 | 01:00 | 11:00 | 09:00 | 08:00 | 08:00 | 10:00 | | | | | | |
| Vol. | 2 | 1 | 3 | 5 | 8 | 2 | 2 | | | | | | |
| PM Peak | 12:00 | 13:00 | 17:00 | 13:00 | 15:00 | 19:00 | 13:00 | | | | | | |
| Vol. | 1 | 2 | 5 | 10 | 8 | 4 | 2 | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/14/19 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 2 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 0 | 3 | 9 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 5 | 2 | 10 | 11 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 1 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 1 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 5 | 2 | 3 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 1 | 1 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 1 | 2 | 10 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 3 | 2 | 1 | 11 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 0 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 4 | 2 | 8 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 2 | 4 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 3 | 1 | 4 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 3 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 29 | 17 | 49 | 113 | 53 | 20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 10.2% | 6.0% | 17.3% | 39.8% | 18.7% | 7.0% | 1.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 08:00 | 08:00 | 08:00 | 07:00 | 08:00 | 06:00 | | | | | | |
| Vol. | 5 | 2 | 10 | 11 | 6 | 4 | 1 | | | | | | |
| PM Peak | 12:00 | 12:00 | 17:00 | 12:00 | 15:00 | 13:00 | 12:00 | | | | | | |
| Vol. | 5 | 2 | 8 | 11 | 8 | 2 | 1 | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|---------------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10/15/19 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 0 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 4 | 8 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 5 | 3 | 7 | 11 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 4 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 4 | 3 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 3 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 1 | 2 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 3 | 4 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 3 | 0 | 3 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 4 | 1 | 2 | 5 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 2 | 8 | 13 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 3 | 2 | 4 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 1 | 1 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 2 | 4 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 27 | 29 | 60 | 96 | 53 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 9.4% | 10.1% | 20.8% | 33.3% | 18.4% | 7.3% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 07:00 | 07:00 | 08:00 | 06:00 | 08:00 | | | | | | | |
| Vol. | 5 | 4 | 8 | 11 | 6 | 2 | | | | | | | |
| PM Peak | 16:00 | 14:00 | 17:00 | 17:00 | 17:00 | 12:00 | 13:00 | | | | | | |
| Vol. | 4 | 3 | 8 | 13 | 7 | 3 | 1 | | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 15 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|------------|----------|----------|-----------|-----------|----------|----------|----------|----------|------|------|------|------|------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/17/19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 6 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 4 | 1 | 3 | 12 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 2 | 4 | 7 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 4 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 3 | 0 | 5 | 10 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 0 | 5 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 3 | 6 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 3 | 2 | 2 | 5 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 3 | 2 | 7 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 5 | 1 | 10 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 3 | 9 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 2 | 0 | 4 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 1 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 22 | 14 | 61 | 110 | 63 | 23 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.4% | 4.7% | 20.5% | 37.0% | 21.2% | 7.7% | 1.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 10:00 | 07:00 | 07:00 | 08:00 | 08:00 | 11:00 | | | | | | |
| Vol. | 4 | 2 | 6 | 14 | 5 | 4 | 1 | | | | | | |
| PM Peak | 17:00 | 16:00 | 17:00 | 12:00 | 16:00 | 17:00 | 12:00 | 15:00 | | | | | |
| Vol. | 5 | 3 | 10 | 10 | 6 | 3 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32214
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start Time | 15 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/18/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 5 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 3 | 2 | 2 | 5 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 2 | 6 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 0 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 2 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 4 | 1 | 5 | 8 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 1 | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 4 | 2 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 12 | 8 | 22 | 52 | 36 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 8.2% | 5.4% | 15.0% | 35.4% | 24.5% | 8.8% | 2.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 08:00 | 07:00 | 07:00 | 09:00 | 08:00 | 11:00 | | | | | | |
| Vol. | 3 | 2 | 5 | 13 | 6 | 5 | 2 | | | | | | |
| PM Peak | 12:00 | 14:00 | 12:00 | 12:00 | 13:00 | 12:00 | 12:00 | | | | | | |
| Vol. | 4 | 2 | 5 | 8 | 5 | 4 | 1 | | | | | | |
| Total | 143 | 104 | 351 | 652 | 436 | 138 | 25 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.7% | 5.6% | 19.0% | 35.2% | 23.6% | 7.5% | 1.4% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |

15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

Stats
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1088
 Percent in Pace : 58.8%
 Number of Vehicles > 25 MPH : 1252
 Percent of Vehicles > 25 MPH : 67.7%
 Mean Speed(Average) : 27 MPH

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|-----------------|------------|------------|------------|-------------|-------------|------------|------------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/11/19 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 4 | 1 | 7 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 1 | 3 | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 2 | 3 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 4 | 1 | 12 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 3 | 9 | 12 | 14 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 0 | 6 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 18 | 13 | 32 | 47 | 51 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 10.1% | 7.3% | 17.9% | 26.3% | 28.5% | 8.4% | 1.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | | | | | | | | | | | | | |
| PM Peak Vol. | 23:00 6 | 16:00 4 | 17:00 9 | 16:00 12 | 17:00 14 | 16:00 4 | 13:00 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/12/19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 2 | 6 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 3 | 1 | 2 | 15 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 3 | 1 | 7 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 5 | 9 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 2 | 5 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 0 | 0 | 11 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 1 | 3 | 4 | 11 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 2 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 0 | 7 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 2 | 1 | 7 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 1 | 1 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 6 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 19 | 14 | 30 | 101 | 75 | 27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.1% | 5.2% | 11.2% | 37.5% | 27.9% | 10.0% | 0.7% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 11:00 | 08:00 | 10:00 | 11:00 | 09:00 | 09:00 | | | | | | |
| Vol. | 3 | 3 | 2 | 15 | 16 | 3 | 1 | | | | | | |
| PM Peak | 22:00 | 13:00 | 12:00 | 14:00 | 15:00 | 14:00 | 18:00 | 15:00 | | | | | |
| Vol. | 6 | 2 | 5 | 11 | 11 | 4 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

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EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/13/19 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 2 | 2 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 6 | 2 | 1 | 6 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 3 | 2 | 7 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 5 | 1 | 3 | 10 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 1 | 3 | 4 | 8 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 0 | 2 | 3 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 3 | 0 | 2 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 1 | 3 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 3 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 2 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 25 | 12 | 37 | 62 | 60 | 23 | 4 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 11.2% | 5.4% | 16.5% | 27.7% | 26.8% | 10.3% | 1.8% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 11:00 | 04:00 | 11:00 | 10:00 | 11:00 | 09:00 | | | | | | |
| Vol. | 6 | 3 | 2 | 7 | 11 | 4 | 1 | | | | | | |
| PM Peak | 12:00 | 19:00 | 19:00 | 12:00 | 14:00 | 16:00 | 15:00 | 14:00 | | | | | |
| Vol. | 5 | 2 | 4 | 10 | 8 | 7 | 2 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

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EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/14/19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 2 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 2 | 3 | 7 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 1 | 2 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 1 | 4 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 2 | 4 | 8 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 4 | 1 | 1 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 1 | 2 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 5 | 3 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 0 | 5 | 10 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 1 | 5 | 12 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 1 | 7 | 9 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 3 | 3 | 11 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 2 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 21 | 16 | 44 | 103 | 71 | 34 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.1% | 5.4% | 15.0% | 35.0% | 24.1% | 11.6% | 1.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 01:00 | 08:00 | 10:00 | 11:00 | 09:00 | 06:00 | 07:00 | | | | | | |
| Vol. | 1 | 2 | 4 | 8 | 8 | 2 | 1 | | | | | | |
| PM Peak | 14:00 | 14:00 | 17:00 | 16:00 | 16:00 | 17:00 | 15:00 | | | | | | |
| Vol. | 5 | 3 | 7 | 12 | 9 | 7 | 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
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| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/15/19 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 1 | 2 | 7 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 2 | 0 | 6 | 6 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 4 | 2 | 4 | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 4 | 0 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 4 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 3 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 1 | 5 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 0 | 2 | 5 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 4 | 5 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 5 | 2 | 3 | 13 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 2 | 7 | 14 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 2 | 9 | 11 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 2 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 27 | 18 | 67 | 104 | 74 | 28 | 5 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 8.3% | 5.6% | 20.7% | 32.1% | 22.8% | 8.6% | 1.5% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 09:00 | 09:00 | 08:00 | 07:00 | 07:00 | 09:00 | 08:00 | | | | | | |
| Vol. | 4 | 2 | 6 | 7 | 6 | 4 | 1 | | | | | | |
| PM Peak | 16:00 | 15:00 | 18:00 | 17:00 | 16:00 | 14:00 | 13:00 | 20:00 | | | | | |
| Vol. | 5 | 4 | 9 | 14 | 15 | 5 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

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 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|-----------|-----------|-----------|-----------|----------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/16/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 0 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 1 | 11 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 2 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 2 | 2 | 6 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 6 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 3 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 1 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 4 | 3 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 3 | 5 | 4 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 2 | 13 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 1 | 13 | 16 | 15 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 0 | 7 | 13 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 3 | 1 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 0 | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 13 | 58 | 104 | 95 | 31 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 3.2% | 4.1% | 18.4% | 32.9% | 30.1% | 9.8% | 1.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 06:00 | 09:00 | 10:00 | 07:00 | 09:00 | 07:00 | 08:00 | | | | | | |
| Vol. | 1 | 2 | 6 | 11 | 6 | 3 | 1 | | | | | | |
| PM Peak | 20:00 | 15:00 | 17:00 | 17:00 | 16:00 | 17:00 | 15:00 | | | | | | |
| Vol. | 3 | 3 | 13 | 16 | 17 | 10 | 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

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 Livonia, MI 48150
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| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/17/19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 2 | 2 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 2 | 0 | 0 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 2 | 1 | 10 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 4 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 2 | 0 | 2 | 5 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 3 | 2 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 3 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 4 | 5 | 9 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 0 | 2 | 5 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 7 | 9 | 17 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 0 | 7 | 18 | 22 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 3 | 3 | 5 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 3 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 16 | 16 | 50 | 107 | 102 | 35 | 8 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 4.8% | 4.8% | 14.9% | 31.8% | 30.4% | 10.4% | 2.4% | 0.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 07:00 | 06:00 | 09:00 | 08:00 | 11:00 | 08:00 | 06:00 | | | | | | |
| Vol. | 2 | 2 | 4 | 10 | 9 | 4 | 1 | | | | | | |
| PM Peak | 13:00 | 14:00 | 16:00 | 17:00 | 17:00 | 16:00 | 17:00 | 16:00 | | | | | |
| Vol. | 3 | 4 | 7 | 18 | 22 | 11 | 3 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/18/19 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 2 | 0 | 3 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 4 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 6 | 4 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 4 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 0 | 3 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 3 | 2 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 0 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 1 | 6 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 1 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 7 | 2 | 23 | 36 | 32 | 23 | 7 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 5.3% | 1.5% | 17.6% | 27.5% | 24.4% | 17.6% | 5.3% | 0.8% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 01:00 | | 08:00 | 07:00 | 06:00 | 11:00 | 04:00 | 08:00 | | | | | |
| Vol. | 2 | | 6 | 4 | 6 | 7 | 1 | 1 | | | | | |
| PM Peak | 12:00 | 12:00 | 13:00 | 13:00 | 13:00 | 13:00 | 12:00 | | | | | | |
| Vol. | 1 | 1 | 1 | 6 | 4 | 5 | 1 | | | | | | |
| Total | 143 | 104 | 341 | 664 | 560 | 216 | 39 | 6 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.9% | 5.0% | 16.4% | 32.0% | 27.0% | 10.4% | 1.9% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |

15th Percentile : 20 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

Stats 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1224
 Percent in Pace : 59.0%
 Number of Vehicles > 25 MPH : 1485
 Percent of Vehicles > 25 MPH : 71.6%
 Mean Speed(Average) : 28 MPH

OHM Advisors
34000 Plymouth Road
Livonia, MI 48150
Advancing Communities

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|--------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 10/11/19 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 5 | 2 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 1 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 0 | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 3 | 10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 1 | 2 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 7 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 2 | 3 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 19 | 20 | 49 | 37 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 13.2% | 13.9% | 34.0% | 25.7% | 11.8% | 1.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | | | | | | | | | | | | | |
| PM Peak Vol. | 13:00 | 20:00 | 17:00 | 14:00 | 14:00 | 18:00 | | | | | | | |
| | 5 | 7 | 10 | 6 | 4 | 2 | | | | | | | |

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Livonia, MI 48150
Advancing Communities

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 |
|-----------------|------------|------------|------------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|
| 10/12/19 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 2 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 4 | 5 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 1 | 3 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 3 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 1 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 2 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 1 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 2 | 7 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 3 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 3 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 11 | 19 | 62 | 84 | 38 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 5.1% | 8.8% | 28.7% | 38.9% | 17.6% | 0.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | 00:00 2 | 11:00 2 | 10:00 6 | 09:00 8 | 10:00 2 | | | | | | | | |
| PM Peak Vol. | 23:00 3 | 12:00 4 | 19:00 7 | 12:00 9 | 13:00 6 | 14:00 1 | | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|----------|----------|----------|----------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/13/19 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 1 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 2 | 3 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 1 | 4 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 3 | 8 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 1 | 1 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 2 | 2 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 3 | 1 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 4 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 3 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 2 | 1 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 12 | 21 | 40 | 69 | 25 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.9% | 12.1% | 23.0% | 39.7% | 14.4% | 2.9% | 1.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 01:00 | 11:00 | 11:00 | 10:00 | 11:00 | 11:00 | | | | | | | |
| Vol. | 1 | 2 | 3 | 7 | 3 | 2 | | | | | | | |
| PM Peak | 16:00 | 17:00 | 21:00 | 13:00 | 12:00 | 15:00 | 13:00 | | | | | | |
| Vol. | 3 | 4 | 6 | 8 | 4 | 1 | 2 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

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Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/14/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 2 | 0 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 1 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 4 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 4 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 5 | 3 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 5 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 2 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 0 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 2 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 3 | 8 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 1 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 20 | 27 | 73 | 64 | 18 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 9.7% | 13.1% | 35.4% | 31.1% | 8.7% | 1.5% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 08:00 | 08:00 | 11:00 | 08:00 | | | | | | | | |
| Vol. | 4 | 1 | 7 | 5 | 2 | | | | | | | | |
| PM Peak | 13:00 | 14:00 | 17:00 | 19:00 | 19:00 | 13:00 | 21:00 | | | | | | |
| Vol. | 5 | 5 | 11 | 10 | 3 | 1 | 1 | | | | | | |

WB

Advancing Communities

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 10/15/19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 1 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 3 | 3 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 2 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 4 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 2 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 1 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 3 | 10 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 3 | 6 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 7 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 6 | 13 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 4 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 1 | 8 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 2 | 1 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 21 | 35 | 83 | 67 | 22 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 8.8% | 14.6% | 34.7% | 28.0% | 9.2% | 4.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 08:00 | 07:00 | 11:00 | 05:00 | 08:00 | | | | | | | |
| Vol. | 4 | 3 | 6 | 7 | 2 | 2 | | | | | | | |
| PM Peak | 13:00 | 16:00 | 17:00 | 20:00 | 17:00 | 19:00 | | | | | | | |
| Vol. | 3 | 7 | 13 | 10 | 4 | 2 | | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|----------|----------|----------|----------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/16/19 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 3 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 2 | 3 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 2 | 1 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 2 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 4 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 1 | 5 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 1 | 8 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 2 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 3 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 2 | 4 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 1 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14 | 26 | 71 | 67 | 28 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.6% | 12.2% | 33.3% | 31.5% | 13.1% | 2.8% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 09:00 | 07:00 | 09:00 | 08:00 | 08:00 | 08:00 | | | | | | | |
| Vol. | 2 | 3 | 5 | 7 | 2 | 2 | | | | | | | |
| PM Peak | 13:00 | 13:00 | 13:00 | 15:00 | 15:00 | 16:00 | 16:00 | | | | | | |
| Vol. | 2 | 4 | 8 | 8 | 4 | 2 | 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|----------|----------|----------|----------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/17/19 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 4 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 2 | 6 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 4 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 2 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 4 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 5 | 9 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 4 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 2 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 1 | 7 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 1 | 5 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 1 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 1 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 4 | 3 | 6 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 4 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 19 | 34 | 74 | 70 | 43 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.7% | 13.8% | 30.1% | 28.5% | 17.5% | 2.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 07:00 | 08:00 | 08:00 | 11:00 | 08:00 | | | | | | | |
| Vol. | 2 | 4 | 6 | 5 | 6 | 1 | | | | | | | |
| PM Peak | 13:00 | 13:00 | 12:00 | 16:00 | 12:00 | 14:00 | 20:00 | | | | | | |
| Vol. | 4 | 6 | 9 | 8 | 5 | 1 | 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/18/19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 5 | 4 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 2 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 2 | 3 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 0 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 4 | 8 | 19 | 28 | 29 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 4.2% | 8.3% | 19.8% | 29.2% | 30.2% | 8.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | | 07:00 | 07:00 | 11:00 | 11:00 | 07:00 | | | | | | | |
| Vol. | | 5 | 4 | 4 | 5 | 3 | | | | | | | |
| PM Peak | 14:00 | 13:00 | 13:00 | 12:00 | 13:00 | 14:00 | | | | | | | |
| Vol. | 3 | 2 | 3 | 5 | 8 | 1 | | | | | | | |
| Total | 120 | 190 | 471 | 486 | 220 | 42 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.8% | 12.4% | 30.7% | 31.7% | 14.3% | 2.7% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |

15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Stats 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 957
 Percent in Pace : 62.4%
 Number of Vehicles > 25 MPH : 753
 Percent of Vehicles > 25 MPH : 49.1%
 Mean Speed(Average) : 25 MPH

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 07-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | EE |
|------------|-----------|----|-----|----|-----|----|-----|----|-------|-------|-------|-------|-------|
| | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EE |
| 12:00 AM | * | * | * | * | * | * | * | * | * | * | 1 | 5 | |
| 01:00 | * | * | * | * | * | * | * | * | * | * | 2 | 0 | |
| 02:00 | * | * | * | * | * | * | * | * | * | * | 1 | 1 | |
| 03:00 | * | * | * | * | * | * | * | * | * | * | 1 | 0 | |
| 04:00 | * | * | * | * | * | * | * | * | * | * | 1 | 0 | |
| 05:00 | * | * | * | * | * | * | * | * | * | * | 1 | 0 | |
| 06:00 | * | * | * | * | * | * | * | * | * | * | 2 | 0 | |
| 07:00 | * | * | * | * | * | * | * | * | * | * | 3 | 2 | |
| 08:00 | * | * | * | * | * | * | * | * | * | * | 8 | 5 | |
| 09:00 | * | * | * | * | * | * | * | * | * | * | 19 | 10 | |
| 10:00 | * | * | * | * | * | * | * | * | * | * | 26 | 13 | |
| 11:00 | * | * | * | * | * | * | * | * | * | * | 28 | 11 | |
| 12:00 PM | * | * | * | * | * | * | * | * | 3 | 3 | 18 | 23 | |
| 01:00 | * | * | * | * | * | * | * | * | 22 | 19 | 21 | 16 | |
| 02:00 | * | * | * | * | * | * | * | * | 18 | 17 | 22 | 18 | |
| 03:00 | * | * | * | * | * | * | * | * | 19 | 13 | 23 | 14 | |
| 04:00 | * | * | * | * | * | * | * | * | 26 | 14 | 14 | 14 | |
| 05:00 | * | * | * | * | * | * | * | * | 42 | 22 | 18 | 16 | |
| 06:00 | * | * | * | * | * | * | * | * | 22 | 10 | 16 | 11 | |
| 07:00 | * | * | * | * | * | * | * | * | 7 | 4 | 10 | 19 | |
| 08:00 | * | * | * | * | * | * | * | * | 5 | 14 | 12 | 16 | |
| 09:00 | * | * | * | * | * | * | * | * | 3 | 5 | 7 | 8 | |
| 10:00 | * | * | * | * | * | * | * | * | 5 | 8 | 9 | 4 | |
| 11:00 | * | * | * | * | * | * | * | * | 7 | 15 | 6 | 10 | |
| Lane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179 | 144 | 269 | 216 | 2 |
| Day | 0 | | 0 | | 0 | | 0 | | 323 | | 485 | | |
| AM Peak | - | - | - | - | - | - | - | - | - | - | 11:00 | 10:00 | 10:00 |
| Vol. | - | - | - | - | - | - | - | - | - | - | 28 | 13 | |
| PM Peak | - | - | - | - | - | - | - | - | 17:00 | 17:00 | 15:00 | 12:00 | 12:00 |
| Vol. | - | - | - | - | - | - | - | - | 42 | 22 | 23 | 23 | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 14-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | EE |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|----|
| | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EE |
| 12:00 AM | 1 | 0 | 2 | 1 | 0 | 3 | 1 | 4 | 1 | 1 | * | * | |
| 01:00 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | * | * | |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | * | * | |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | * | * | |
| 04:00 | 2 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 3 | 1 | * | * | |
| 05:00 | 2 | 1 | 6 | 2 | 2 | 1 | 1 | 2 | 4 | 1 | * | * | |
| 06:00 | 7 | 3 | 10 | 5 | 9 | 4 | 12 | 4 | 16 | 0 | * | * | |
| 07:00 | 15 | 11 | 19 | 13 | 21 | 10 | 14 | 9 | 13 | 15 | * | * | |
| 08:00 | 20 | 13 | 22 | 14 | 16 | 17 | 20 | 19 | 15 | 10 | * | * | |
| 09:00 | 14 | 6 | 19 | 9 | 18 | 13 | 15 | 10 | 14 | 10 | * | * | |
| 10:00 | 17 | 11 | 14 | 9 | 16 | 3 | 7 | 7 | 10 | 6 | * | * | |
| 11:00 | 22 | 11 | 12 | 13 | 10 | 9 | 19 | 16 | 14 | 13 | * | * | |
| 12:00 PM | 16 | 16 | 15 | 9 | 13 | 14 | 23 | 27 | 11 | 11 | * | * | |
| 01:00 | 14 | 15 | 14 | 8 | 13 | 17 | 15 | 19 | 18 | 15 | * | * | |
| 02:00 | 19 | 11 | 18 | 18 | 19 | 12 | 28 | 15 | 10 | 13 | * | * | |
| 03:00 | 26 | 13 | 22 | 18 | 20 | 19 | 21 | 18 | * | * | * | * | |
| 04:00 | 34 | 16 | 38 | 20 | 37 | 21 | 46 | 17 | * | * | * | * | |
| 05:00 | 34 | 22 | 39 | 33 | 57 | 16 | 56 | 15 | * | * | * | * | |
| 06:00 | 27 | 11 | 32 | 18 | 32 | 17 | 22 | 13 | * | * | * | * | |
| 07:00 | 11 | 24 | 14 | 18 | 6 | 17 | 14 | 25 | * | * | * | * | |
| 08:00 | 8 | 9 | 12 | 17 | 10 | 12 | 13 | 9 | * | * | * | * | |
| 09:00 | 1 | 7 | 10 | 6 | 10 | 4 | 5 | 10 | * | * | * | * | |
| 10:00 | 1 | 4 | 4 | 5 | 4 | 2 | 1 | 5 | * | * | * | * | |
| 11:00 | 2 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | * | * | * | * | |
| Lane | 294 | 206 | 324 | 239 | 316 | 213 | 336 | 246 | 131 | 96 | 0 | 0 | |
| Day | 500 | | 563 | | 529 | | 582 | | 227 | | 0 | | |
| AM Peak | 11:00 | 08:00 | 08:00 | 08:00 | 07:00 | 08:00 | 08:00 | 08:00 | 06:00 | 07:00 | - | - | |
| Vol. | 22 | 13 | 22 | 14 | 21 | 17 | 20 | 19 | 16 | 15 | - | - | |
| PM Peak | 16:00 | 19:00 | 17:00 | 17:00 | 17:00 | 16:00 | 17:00 | 12:00 | 13:00 | 13:00 | - | - | |
| Vol. | 34 | 24 | 39 | 33 | 57 | 21 | 56 | 27 | 18 | 15 | - | - | |

| | | | | | | |
|-------------|---------|----------|-----|-----|-----|-----|
| Comb. Total | 500 | 563 | 529 | 582 | 550 | 485 |
| ADT | ADT 558 | AADT 558 | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 21-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | WB |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB |
| 12:00 AM | * | * | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 4 | 2 | |
| 01:00 | * | * | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 6 | |
| 02:00 | * | * | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 03:00 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 04:00 | * | * | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 2 | 1 | 0 | |
| 05:00 | * | * | 1 | 3 | 1 | 3 | 1 | 2 | 1 | 2 | 0 | 0 | |
| 06:00 | * | * | 3 | 3 | 6 | 10 | 4 | 4 | 4 | 3 | 0 | 2 | |
| 07:00 | * | * | 4 | 16 | 4 | 9 | 0 | 6 | 1 | 9 | 1 | 1 | |
| 08:00 | * | * | 10 | 9 | 4 | 12 | 8 | 7 | 15 | 10 | 1 | 4 | |
| 09:00 | * | * | 9 | 12 | 4 | 10 | 5 | 10 | 6 | 10 | 4 | 9 | |
| 10:00 | * | * | 7 | 13 | 4 | 11 | 7 | 9 | 5 | 9 | 4 | 11 | |
| 11:00 | * | * | 12 | 10 | 12 | 14 | 13 | 9 | 3 | 19 | 7 | 14 | |
| 12:00 PM | * | * | 9 | 12 | 10 | 15 | 11 | 11 | 13 | 10 | 9 | 13 | |
| 01:00 | * | * | 18 | 10 | 8 | 15 | 11 | 23 | 10 | 12 | 10 | 18 | |
| 02:00 | * | * | 9 | 16 | 13 | 15 | 15 | 12 | 20 | 17 | 11 | 12 | |
| 03:00 | * | * | 9 | 19 | 10 | 20 | 9 | 25 | 8 | 29 | 9 | 11 | |
| 04:00 | 12 | 62 | 12 | 53 | 6 | 110 | 7 | 61 | 6 | 42 | 14 | 16 | |
| 05:00 | 9 | 101 | 13 | 60 | 11 | 104 | 11 | 72 | 16 | 41 | 9 | 18 | |
| 06:00 | 7 | 30 | 8 | 23 | 11 | 27 | 11 | 28 | 8 | 20 | 9 | 15 | |
| 07:00 | 10 | 13 | 8 | 13 | 6 | 14 | 5 | 11 | 7 | 13 | 10 | 14 | |
| 08:00 | 6 | 5 | 4 | 7 | 8 | 6 | 12 | 13 | 13 | 12 | 6 | 5 | |
| 09:00 | 4 | 9 | 5 | 9 | 4 | 4 | 3 | 11 | 4 | 10 | 3 | 11 | |
| 10:00 | 3 | 2 | 7 | 0 | 4 | 3 | 1 | 4 | 6 | 3 | 2 | 6 | |
| 11:00 | 3 | 0 | 1 | 3 | 1 | 1 | 1 | 7 | 0 | 5 | 5 | 6 | |
| Lane | 54 | 222 | 151 | 293 | 128 | 404 | 138 | 327 | 148 | 278 | 123 | 194 | 1 |
| Day | 276 | | 444 | | 532 | | 465 | | 426 | | 317 | | |
| AM Peak | - | - | 11:00 | 07:00 | 11:00 | 11:00 | 11:00 | 09:00 | 08:00 | 11:00 | 11:00 | 11:00 | 10:00 |
| Vol. | - | - | 12 | 16 | 12 | 14 | 13 | 10 | 15 | 19 | 7 | 14 | |
| PM Peak | 16:00 | 17:00 | 13:00 | 17:00 | 14:00 | 16:00 | 14:00 | 17:00 | 14:00 | 16:00 | 16:00 | 13:00 | 15:00 |
| Vol. | 12 | 101 | 18 | 60 | 13 | 110 | 15 | 72 | 20 | 42 | 14 | 18 | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

| Start Time | 28-Oct-19 | | Tue | | Wed | | Thu | | Fri | | Sat | | WB |
|------------|-----------|-------|-----|----|-----|----|-----|----|-----|----|-----|----|----|
| | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB | EB | WB |
| 12:00 AM | 1 | 0 | * | * | * | * | * | * | * | * | * | * | |
| 01:00 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | |
| 02:00 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | |
| 03:00 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | |
| 04:00 | 0 | 0 | * | * | * | * | * | * | * | * | * | * | |
| 05:00 | 1 | 2 | * | * | * | * | * | * | * | * | * | * | |
| 06:00 | 2 | 3 | * | * | * | * | * | * | * | * | * | * | |
| 07:00 | 5 | 8 | * | * | * | * | * | * | * | * | * | * | |
| 08:00 | 12 | 10 | * | * | * | * | * | * | * | * | * | * | |
| 09:00 | 4 | 9 | * | * | * | * | * | * | * | * | * | * | |
| 10:00 | 7 | 7 | * | * | * | * | * | * | * | * | * | * | |
| 11:00 | 9 | 17 | * | * | * | * | * | * | * | * | * | * | |
| 12:00 PM | 6 | 11 | * | * | * | * | * | * | * | * | * | * | |
| 01:00 | 13 | 10 | * | * | * | * | * | * | * | * | * | * | |
| 02:00 | 9 | 12 | * | * | * | * | * | * | * | * | * | * | |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | |
| Lane | 69 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Day | 158 | | 0 | | 0 | | 0 | | 0 | | 0 | | |
| AM Peak | 08:00 | 11:00 | - | - | - | - | - | - | - | - | - | - | |
| Vol. | 12 | 17 | - | - | - | - | - | - | - | - | - | - | |
| PM Peak | 13:00 | 14:00 | - | - | - | - | - | - | - | - | - | - | |
| Vol. | 13 | 12 | - | - | - | - | - | - | - | - | - | - | |

| | | | | | | |
|-------------|---------|----------|-----|-----|-----|-----|
| Comb. Total | 434 | 444 | 532 | 465 | 426 | 317 |
| ADT | ADT 480 | AADT 480 | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/21/19 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 14:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | 6 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 7 | 7 | 16 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 24.1% | 13.0% | 13.0% | 29.6% | 13.0% | 3.7% | 3.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | | | | | | | | | | | | | |
| PM Peak Vol. | 16:00 6 | 21:00 2 | 20:00 2 | 19:00 5 | 18:00 2 | 17:00 1 | 17:00 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/22/19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 1 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 2 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 1 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 5 | 3 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 0 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 3 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 3 | 2 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 3 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 12 | 16 | 34 | 42 | 31 | 11 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.9% | 10.6% | 22.5% | 27.8% | 20.5% | 7.3% | 2.0% | 1.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 07:00 | 08:00 | 11:00 | 08:00 | 09:00 | 07:00 | 10:00 | | | | | |
| Vol. | 1 | 2 | 3 | 7 | 3 | 1 | 1 | 1 | | | | | |
| PM Peak | 13:00 | 13:00 | 13:00 | 17:00 | 16:00 | 22:00 | 16:00 | 21:00 | | | | | |
| Vol. | 5 | 3 | 3 | 7 | 5 | 3 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/23/19 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 2 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 4 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 2 | 2 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 1 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 2 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 3 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 1 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 17 | 12 | 24 | 38 | 27 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 13.3% | 9.4% | 18.8% | 29.7% | 21.1% | 6.3% | 0.8% | 0.8% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 06:00 | 06:00 | 11:00 | 08:00 | 09:00 | 11:00 | | | | | | | |
| Vol. | 2 | 1 | 4 | 4 | 1 | 2 | | | | | | | |
| PM Peak | 12:00 | 17:00 | 17:00 | 13:00 | 14:00 | 20:00 | 17:00 | 16:00 | | | | | |
| Vol. | 2 | 3 | 4 | 5 | 7 | 1 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/24/19 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 2 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 1 | 2 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 4 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 3 | 6 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 0 | 2 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 4 | 1 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 1 | 2 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 2 | 0 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14 | 6 | 29 | 36 | 32 | 14 | 6 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 10.1% | 4.3% | 21.0% | 26.1% | 23.2% | 10.1% | 4.3% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 04:00 | 06:00 | 08:00 | 11:00 | 11:00 | 08:00 | 08:00 | | | | | | |
| Vol. | 1 | 1 | 2 | 3 | 4 | 2 | 1 | | | | | | |
| PM Peak | 17:00 | 18:00 | 12:00 | 14:00 | 12:00 | 16:00 | 19:00 | 14:00 | | | | | |
| Vol. | 4 | 2 | 4 | 6 | 4 | 3 | 2 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/25/19 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 3 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 2 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 0 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 1 | 0 | 3 | 10 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 2 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 1 | 5 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 2 | 3 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 17 | 11 | 30 | 47 | 29 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 11.5% | 7.4% | 20.3% | 31.8% | 19.6% | 7.4% | 2.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 04:00 | 10:00 | 08:00 | 08:00 | 08:00 | | | | | | | | |
| Vol. | 1 | 2 | 3 | 8 | 3 | | | | | | | | |
| PM Peak | 17:00 | 15:00 | 17:00 | 14:00 | 12:00 | 14:00 | 15:00 | | | | | | |
| Vol. | 3 | 2 | 5 | 10 | 4 | 3 | 1 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/26/19 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 0 | 0 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 1 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 2 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 6 | 3 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 1 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 2 | 2 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 15 | 18 | 22 | 33 | 24 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 12.2% | 14.6% | 17.9% | 26.8% | 19.5% | 6.5% | 2.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 01:00 | 01:00 | 09:00 | 10:00 | 11:00 | 01:00 | | | | | | | |
| Vol. | 1 | 1 | 3 | 3 | 2 | 1 | | | | | | | |
| PM Peak | 16:00 | 16:00 | 14:00 | 13:00 | 12:00 | 13:00 | 16:00 | | | | | | |
| Vol. | 6 | 3 | 4 | 7 | 4 | 2 | 2 | | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

WB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/27/19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 0 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 1 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 4 | 0 | 1 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 4 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 11 | 6 | 20 | 26 | 24 | 14 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Percent | 10.7% | 5.8% | 19.4% | 25.2% | 23.3% | 13.6% | 1.0% | 0.0% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 04:00 | | 10:00 | 10:00 | 10:00 | 11:00 | | | | | | | |
| Vol. | 1 | | 2 | 4 | 3 | 3 | | | | | | | |
| PM Peak | 15:00 | 20:00 | 17:00 | 13:00 | 15:00 | 15:00 | 16:00 | | 12:00 | | | | |
| Vol. | 4 | 2 | 4 | 4 | 3 | 2 | 1 | | 1 | | | | |

OHM Advisors
34000 Plymouth Road
Livonia, MI 48150
Advancing Communities

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 10/28/19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 3 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 2 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 0 | 3 | 1 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 4 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 8 | 6 | 10 | 15 | 15 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent | 11.6% | 8.7% | 14.5% | 21.7% | 21.7% | 17.4% | 4.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 05:00 | 08:00 | 08:00 | 08:00 | 08:00 | 10:00 | | | | | | | |
| Vol. | 1 | 3 | 2 | 4 | 3 | 2 | | | | | | | |
| PM Peak | 14:00 | 12:00 | 13:00 | 12:00 | 13:00 | 13:00 | 13:00 | | | | | | |
| Vol. | 4 | 1 | 3 | 2 | 4 | 3 | 2 | | | | | | |
| Total | 107 | 82 | 176 | 253 | 189 | 80 | 22 | 4 | 1 | 0 | 0 | 0 | 0 |
| Percent | 11.7% | 9.0% | 19.3% | 27.7% | 20.7% | 8.8% | 2.4% | 0.4% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% |

| | | |
|-------|--------------------------------|-----------|
| Stats | 10 MPH Pace Speed : | 26-35 MPH |
| | Number in Pace : | 442 |
| | Percent in Pace : | 48.4% |
| | Number of Vehicles > 25 MPH : | 549 |
| | Percent of Vehicles > 25 MPH : | 60.1% |
| | Mean Speed(Average) : | 26 MPH |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|-----------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/21/19 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 14:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | 2 | 1 | 9 | 21 | 20 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 2 | 1 | 16 | 28 | 38 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 5 | 0 | 8 | 7 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 3 | 40 | 63 | 76 | 27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| Percent | 4.5% | 1.4% | 18.0% | 28.4% | 34.2% | 12.2% | 0.9% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak Vol. | | | | | | | | | | | | | |
| PM Peak Vol. | 18:00 5 | 16:00 1 | 17:00 16 | 17:00 28 | 17:00 38 | 17:00 14 | 17:00 2 | 21:00 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/22/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 3 | 1 | 2 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 2 | 2 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 0 | 0 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 1 | 0 | 2 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 4 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 1 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 4 | 1 | 3 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 1 | 3 | 6 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 4 | 1 | 8 | 11 | 20 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 4 | 9 | 18 | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 3 | 0 | 2 | 5 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 1 | 1 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 0 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 24 | 14 | 45 | 75 | 83 | 42 | 7 | 2 | 1 | 0 | 0 | 0 | 0 |
| Percent | 8.2% | 4.8% | 15.4% | 25.6% | 28.3% | 14.3% | 2.4% | 0.7% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 07:00 | 09:00 | 08:00 | 07:00 | 10:00 | 10:00 | 07:00 | 02:00 | | | | | |
| Vol. | 3 | 2 | 3 | 7 | 5 | 3 | 1 | 1 | | | | | |
| PM Peak | 14:00 | 17:00 | 17:00 | 17:00 | 17:00 | 15:00 | 16:00 | 16:00 | | | | | |
| Vol. | 4 | 4 | 9 | 18 | 22 | 6 | 3 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/23/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 3 | 1 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 2 | 4 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 09:00 | 1 | 1 | 1 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 0 | 1 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 0 | 3 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 1 | 3 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 3 | 2 | 1 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 1 | 0 | 2 | 6 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 1 | 4 | 4 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 1 | 2 | 28 | 49 | 25 | 4 | 1 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 5 | 1 | 7 | 26 | 36 | 24 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 3 | 5 | 12 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 1 | 3 | 4 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 19 | 13 | 27 | 101 | 139 | 82 | 17 | 5 | 1 | 0 | 0 | 0 | 0 |
| Percent | 4.7% | 3.2% | 6.7% | 25.0% | 34.4% | 20.3% | 4.2% | 1.2% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 06:00 | 06:00 | 08:00 | 07:00 | 11:00 | 09:00 | 06:00 | 08:00 | | | | | |
| Vol. | 3 | 1 | 2 | 5 | 7 | 3 | 1 | 1 | | | | | |
| PM Peak | 17:00 | 13:00 | 17:00 | 16:00 | 16:00 | 16:00 | 16:00 | 17:00 | | | | | |
| Vol. | 5 | 2 | 7 | 28 | 49 | 25 | 4 | 2 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/24/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 0 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 2 | 1 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 0 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 1 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 5 | 0 | 2 | 3 | 6 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 0 | 0 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 1 | 3 | 5 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 1 | 5 | 18 | 23 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 5 | 3 | 7 | 27 | 18 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 4 | 3 | 8 | 9 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 0 | 4 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 2 | 2 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 1 | 1 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 2 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Total | 23 | 11 | 34 | 87 | 99 | 53 | 18 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 7.0% | 3.4% | 10.4% | 26.6% | 30.3% | 16.2% | 5.5% | 0.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 10:00 | 05:00 | 04:00 | 09:00 | 11:00 | 07:00 | 07:00 | | | | | | |
| Vol. | 2 | 1 | 1 | 3 | 5 | 3 | 1 | | | | | | |
| PM Peak | 13:00 | 17:00 | 18:00 | 17:00 | 16:00 | 17:00 | 16:00 | 20:00 | | | | | |
| Vol. | 5 | 3 | 8 | 27 | 23 | 11 | 8 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/25/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 2 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 1 | 3 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 2 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 5 | 2 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 0 | 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 0 | 0 | 0 | 3 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 2 | 2 | 3 | 2 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 1 | 2 | 6 | 9 | 6 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 1 | 1 | 6 | 12 | 9 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 3 | 1 | 5 | 8 | 13 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 2 | 1 | 2 | 8 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 2 | 1 | 2 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 1 | 5 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 19 | 12 | 43 | 76 | 66 | 43 | 17 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.8% | 4.3% | 15.5% | 27.3% | 23.7% | 15.5% | 6.1% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 08:00 | 07:00 | 11:00 | 08:00 | 11:00 | 07:00 | 11:00 | 11:00 | | | | | |
| Vol. | 2 | 1 | 5 | 4 | 6 | 2 | 2 | 1 | | | | | |
| PM Peak | 17:00 | 14:00 | 15:00 | 16:00 | 17:00 | 16:00 | 16:00 | 15:00 | | | | | |
| Vol. | 3 | 2 | 6 | 12 | 13 | 9 | 4 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/26/19 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 0 | 2 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 2 | 1 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 1 | 8 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 0 | 1 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 1 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 2 | 4 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 2 | 6 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 1 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 0 | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 2 | 4 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 10 | 34 | 57 | 47 | 27 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.7% | 5.2% | 17.5% | 29.4% | 24.2% | 13.9% | 2.1% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | | 10:00 | 09:00 | 11:00 | 11:00 | 11:00 | 01:00 | 01:00 | | | | | |
| Vol. | | 1 | 3 | 5 | 5 | 2 | 1 | 1 | | | | | |
| PM Peak | 14:00 | 12:00 | 17:00 | 13:00 | 12:00 | 19:00 | 12:00 | 21:00 | | | | | |
| Vol. | 3 | 2 | 6 | 8 | 6 | 4 | 1 | 1 | | | | | |

Weather: Various
 Serial Number: 32213
 Installed by: Matt Clark
 Other Notes: None

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
Advancing Communities

EB

| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| 10/27/19 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 1 | 0 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 1 | 0 | 1 | 5 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 2 | 1 | 3 | 2 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 15:00 | 2 | 0 | 1 | 1 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 2 | 0 | 1 | 7 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 1 | 2 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18:00 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19:00 | 1 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20:00 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21:00 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22:00 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14 | 6 | 26 | 32 | 25 | 25 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| Percent | 10.4% | 4.5% | 19.4% | 23.9% | 18.7% | 18.7% | 2.2% | 1.5% | 0.7% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 09:00 | 00:00 | 02:00 | 11:00 | 00:00 | 11:00 | | 11:00 | | | | | |
| Vol. | 2 | 1 | 2 | 5 | 2 | 3 | | 1 | | | | | |
| PM Peak | 13:00 | 17:00 | 17:00 | 16:00 | 15:00 | 15:00 | 15:00 | 13:00 | 14:00 | | | | |
| Vol. | 2 | 2 | 5 | 7 | 4 | 5 | 1 | 1 | 1 | | | | |

OHM Advisors
34000 Plymouth Road
Livonia, MI 48150
Advancing Communities

| Start Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 10/28/19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06:00 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:00 | 0 | 1 | 0 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 1 | 0 | 0 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09:00 | 0 | 0 | 3 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 10:00 | 0 | 1 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 | 0 | 2 | 1 | 3 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 0 | 1 | 3 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13:00 | 1 | 0 | 2 | 1 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 14:00 | 3 | 1 | 0 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 6 | 5 | 11 | 19 | 20 | 18 | 8 | 2 | 0 | 0 | 0 | 0 | 0 |
| Percent | 6.7% | 5.6% | 12.4% | 21.3% | 22.5% | 20.2% | 9.0% | 2.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| AM Peak | 05:00 | 11:00 | 09:00 | 07:00 | 11:00 | 11:00 | 09:00 | 09:00 | | | | | |
| Vol. | 1 | 2 | 3 | 3 | 6 | 3 | 2 | 1 | | | | | |
| PM Peak | 14:00 | 14:00 | 13:00 | 12:00 | 13:00 | 12:00 | 12:00 | 13:00 | | | | | |
| Vol. | 3 | 1 | 2 | 3 | 2 | 5 | 1 | 1 | | | | | |
| Total | 128 | 74 | 260 | 510 | 555 | 317 | 76 | 18 | 3 | 0 | 0 | 0 | 0 |
| Percent | 6.6% | 3.8% | 13.4% | 26.3% | 28.6% | 16.3% | 3.9% | 0.9% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% |

| | | |
|-------|--------------------------------|-----------|
| Stats | 10 MPH Pace Speed : | 26-35 MPH |
| | Number in Pace : | 1065 |
| | Percent in Pace : | 54.9% |
| | Number of Vehicles > 25 MPH : | 1479 |
| | Percent of Vehicles > 25 MPH : | 76.2% |
| | Mean Speed(Average) : | 30 MPH |

memorandum

Date: September 24, 2018

To: Bill Huotari, PE

From: Sara Merrill, PE, PTOE

Re: Sylvanwood Condominium
PCR 2018-002

The purpose of this memorandum is to provide an overview of anticipated traffic impacts resulting from the proposed Sylvanwood Condominium development.

The preliminary site plan for the proposed Ottawa residential cluster development was prepared by Urban Land Consultants and dated August 30th, 2018. The site plan depicts a 10-unit attached residential site condominium project, with a single driveway access point off Sylvanwood Drive. Sylvanwood Drive is located on the west side of Rochester Road, approximately halfway between Square Lake Road and Long Lake Road. Rochester Road is a 5-lane roadway, with two through lanes in each direction, a center left turn lane and a right turn deceleration taper at Sylvanwood Drive.

The Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition, provides trip generation rates for numerous land uses, based on thousands of studies throughout the United States and Canada. This data can then be used to estimate the number of vehicle trips generated by a development. For residential housing, traffic impacts are usually most noticeable during the peak hour of adjacent street traffic – that is, during morning and evening “rush hour”, when traffic on the roads is most congested. In most areas, the morning (AM) peak is a one hour period that occurs between 7 am – 9 am, and the evening (PM) peak is a one hour period usually between 4 pm – 6 pm.

The table below provides the calculated number of trips generated for the proposed Ottawa Cluster Development, based on the ITE Trip Generation Manual for Multi-Family Housing (Low Rise) (ITE Land Use Code #220). Low-Rise Multi-Family housing includes townhouses and condominiums located within the same building with at least three other dwelling units, and have one or two floors.

| Number of | Number of Site-Generated Trips | | |
|-----------|--------------------------------|--------------|-----|
| | AM Peak Hour | PM Peak Hour | Day |



During the morning (AM) peak hour, the proposed Sylvanwood condominium development is expected to generate 5 new trips: 1 inbound (entering the site), and 4 outbound (exiting the site). During the evening (PM) peak hour, the proposed site is expected to generate 8 new vehicle trips: 5 inbound (entering the site) trips, and 3 outbound (exiting the site). This pattern coincides with residents typically leaving in the morning for work, and returning home in the evening.

The traffic generated by the proposed condo is quite minimal, adding just a handful of vehicle trips during the peak ("busiest") hour. The traffic impact of this site on the adjacent road network is negligible, and would be imperceptible to other road users.

As a point of comparison, Rochester Road (between Long Lake Road and Square Lake Road) carries over 3,500 vehicles during the PM peak hour, and averages approximately 40,000 vehicles per day. Even amongst typical weekdays, traffic volumes during the peak hours alone often vary by 5-10% from one day to the next. These day-to-day fluctuations are on orders of magnitude measuring in hundreds of vehicles (per hour). Sylvanwood condominiums are expected to generate fewer than 10 new vehicle trips during the peak hour.

On Sylvanwood Drive, the development would result in slight increases to traffic volumes, amounting to one additional vehicle every 7-8 minutes during "rush hour". Most drivers would not even notice this additional traffic.

In conclusion, the traffic impacts as a result of the proposed development are very minimal and are not expected to significantly worsen traffic conditions on Sylvanwood Drive or Rochester Road.



500 West Big Beaver
Troy, MI 48084
troymi.gov

K-02a

CITY COUNCIL AGENDA ITEM

Date: January 17, 2020

To: Honorable Mayor and City Council

From: Mark F. Miller, City Manager
Lori Grigg Bluhm, City Attorney
Robert Bruner, Assistant City Manager
Robert Maleszyk, Chief Financial Officer
Jeanette Menig, Human Resources Director
David Roberts, Fire Chief

Subject: Changes to Volunteer Firefighters Incentive Program

Background

In February and again in March of 2018, the Volunteer Firefighter Incentive Committee (VFIC) requested to meet with City Management to discuss desired changes to the Volunteer Firefighters Incentive Plan (VFIP) after the last benefit distribution increase occurred on July 1, 2017. Staff members met with the VFIC several times to hear their intentions. The VFIC requested three items regarding the VFIP:

- Increase the distribution amount and provide predictable future increases.
- Provide additional incentive for members serving as station officers.
- Provide partial month's credit for members leaving or returning from a leave of absence.

Over the last year and several months, staff members met to discuss how best to address each of the VFIC's interests. During that time, the City appointed a new City Manager and a new Chief Financial Officer. Discussions continued, however, and several actuarial studies were provided by GRS Retirement Consulting.

Financial

City Management evaluated the cost of retroactively increasing incentive benefits in fiscal year 2018-2019, the so called "lost year", by the rate of inflation. This logic was used to tie the benefit increases to the City's revenue increases under the Headlee Amendment.



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Recommendation

As a result of this effort, City Management is recommending the following changes to the VFIP for Council action on February 10, 2020:

- Increase incentive benefits from \$769 to \$819 as follows:
 - 2.1% in FY2019
 - 2.4% in FY2020
 - 1.9% in FY2021
- Apply future annual increases to incentive benefits based on the Consumer Price Index (CPI) not to exceed 5%.
- Increase years of service credit for consecutive years served as a station officer from 1 to 1.3.
- Allow monthly service credit for (10) or more days served during a given month for members on a leave of absence.
- Add an option for surviving spouses to receive incentive benefits after an eligible participant's death.

This proposal will decrease the Plan's funding level from 54.5% to 48.3% and increase the City's annual contribution from \$1,319,272 to \$1,734,594, an increase of \$415,322 to account #101.336.340.7955.020, and a corresponding 7.5% increase to the Fire Department's current overall operating budget.

Although the goal is to achieve 100% funding for the plan, City Management believes this additional cost is reasonable and sustainable, and shares City Council's appreciation of our volunteer firefighters, and values the volunteer services they provide.

~~CITY OF TROY~~
~~INCENTIVE PLAN FOR VOLUNTEER FIREFIGHTERS~~
AMENDED CITY OF TROY INCENTIVE PLAN FOR
VOLUNTEER FIREFIGHTERS

Chapter 1.
GENERAL PROVISIONS

1:100. Establishment and Purpose.

This City of Troy Incentive Plan for Volunteer Firefighters is hereby restated, as amended, for the purpose of providing length of service incentive benefits for the City of Troy volunteer firefighters.

1:101. Short Title.

This Plan may be known and cited as the City of Troy Incentive Plan for Volunteer Firefighters ("Plan").

1:102. Definitions.

For the purposes of this Plan, the following words shall have the meanings respectively ascribed to them by this section:

- (1) *Annual Benefit Amount* means the annual dollar amount of the length of service incentive benefits which may be payable from the Plan to eligible Former Participants, as amended from time to time by City Council via a budget appropriations resolution.
- (2) *Break in service* shall mean an unapproved leave of absence or termination of service as a volunteer firefighter lasting more than one (1) year.
- (3) *City* means the City of Troy, Michigan.
- (4) *City Council* means the City Council of the City of Troy, Michigan.
- (5) *Code* means the Internal Revenue Code of 1986, as amended. Reference to any section or subsection of the Code includes reference to any comparable or succeeding provision of any legislation which amends or replaces such section or subsection and any regulations thereto.
- (6) *Contribution(s)* means the payments made to the Trust by the City for the purpose of providing length of service based incentive benefits to Former Participants and beneficiaries covered by the Plan.
- (7) *Deferred Former Participant* means a former volunteer firefighter and Former Participant who has ten (10) or more years of incentive service as a volunteer firefighter for the City, but has not reached the requisite age requirement for commencement of benefits from the Plan.

- (8) *Eligible Former Participant* means an individual who is (a) an active volunteer firefighter, who upon attaining eligibility, elected to commence receipt of incentive benefits and is therefore no longer entitled to further benefit accruals under the provisions of this Plan; (b) a former volunteer firefighter, who upon termination of volunteer service was eligible for, and elected to commence receipt, of incentive benefits from the Plan; (c) a former volunteer firefighter, who is eligible for incentive benefits from the Plan but has not yet elected to commence receipt of incentive benefits from the Plan; or (d) a Deferred Former Participant.
- (9) *Incentive Service Credit* means personal service rendered to the City as a volunteer firefighter and credited to a Participant in accordance with the Plan.
- (10) *Ineligible Former Participant* shall mean an individual who ceases to be an active volunteer firefighter prior to attainment of eligibility for incentive benefits under the provisions of this Plan.
- (11) *Participant* means an individual who is an active volunteer firefighter eligible for benefit accruals under the provisions of the Plan and who has not elected to commence receipt of benefits under the terms of the Plan.
- (12) *Plan* means the City of Troy Incentive Plan for Volunteer Firefighters established by Ordinance as provided herein. A description of the incentive benefits provided to Eligible Former Participants, spouses and dependents under the Plan is maintained by the Plan Administrator.
- (13) *Plan Administrator* means the person, persons, firm, corporation or insurance company or companies, appointed by the City to administer the Plan. The Plan Administrator shall be responsible for the day-to-day operations of the Plan and shall carry out the directives of the City and the Board of Trustees.
- (14) *Service* shall mean personal service rendered to the City of Troy as a volunteer firefighter.
- (15) *Spouse* means a Participant's or Eligible Former Participant's spouse by legal marriage who is the Participant's or Eligible Former Participant's spouse on the earlier of the date the Participant terminates from volunteering with the City or elects to commence receipt of incentive benefits from the Plan.
- (16) *Station Officer* means a *Participant* who serves as Station Assistant Chief; Station Captain; or Station Lieutenant.
- (17) *Trust* means the City of Troy Incentive Trust for Volunteer Firefighters as established pursuant to the declaration of trust approved by the City Council and as may be amended from time to time.
- (18) *Trustee(s)* or *Board* means the Board of Trustees of the Trust or a member of the Board of Trustees of the Trust as provided for in the Trust.
- (19) *Voluntary Incentive Committee* means a committee comprised of representatives selected by each of the six fire stations in the City.

1:103. Interpretation and law; Construction.

- (1) The Plan is hereby established and shall be administered consistent with applicable Federal and Michigan law, including, but not limited to the Public Employee Retirement System Investment Act, Public Act 314 of 1965, as amended (MCL §38.1132 et seq.).
- (2) The establishment of this Plan, any modification thereof, the creation of any fund or account, or the payment of any benefits, shall not be construed as giving to any person covered under the Plan, or any other person, any legal or equitable right against the City, its elected or appointed officials or employees, the Trustees or any individual Trustee, except as may otherwise be provided in this Plan document.
- (3) The headings and subheadings in this Plan are inserted for convenience of reference only and are not to be considered in the construction of any provision of the Plan.
- (4) Words herein in the masculine gender shall be construed to include the feminine gender where appropriate, and words used herein in the singular or plural shall be construed as being in the plural or singular where appropriate.
- (5) In resolving any conflict among provisions of this Plan or any uncertainty as to the meaning or intention of any provision of this Plan, the interpretation that causes both the Trust to be exempt from tax and the Trust to comply with all applicable requirements of the Code shall prevail over any different interpretation.
- (6) This Plan shall be binding upon all Participants and Eligible Former Participants under the Plan, or their applicable heirs, executors, administrators, successors, and assigns.

1:104. Administrative Regulations.

The provisions of this Plan are subject to relevant provisions of any administrative regulations that the City may have for volunteer firefighters and any volunteer service contracts between the City and an individual Participant, if any. The provisions of any administrative regulations or service contracts for volunteer firefighters relative to incentive benefits are controlling in the event of a conflict between the terms of the administrative regulations or applicable service contract and the Plan.

1:105. Notice.

Notice given to all interested parties shall, unless otherwise specified in this Plan, be sufficient if in writing and delivered or sent by prepaid first class mail. Except as otherwise noted, the distribution or delivery of any statements or documents required under the Plan shall be sufficient if delivered in person or prepaid first class mail.

1:106. Reporting and Disclosure.

The Plan Administrator shall complete and provide to Participants, Eligible Former Participants, Spouses and Dependents, and to the appropriate government agencies any reports as may be required by the Code, applicable federal, state or local law.

1:107. Amendment and Termination.

- (1) The provisions of the Plan may be amended at any time by the City Council in accordance with applicable law. The Voluntary Incentive Committee will be notified at least thirty (30) days in advance that a proposed amendment or revision will be submitted to the City Council for consideration. The City Council shall hold a public hearing prior to any action to reduce Plan benefits or terminate the Plan.
- (2) The City reserves the right to modify or terminate the Plan and/or the benefits payable under the Plan at any time in its sole discretion after the requisite public hearing. Such a termination shall not affect the amount of any incentive payments made prior to the effective date of termination of the Plan or incentive payments otherwise payable at the time of such termination for which assets remain in the Trust. The Voluntary Incentive Committee will be notified at least ninety (90) days in advance that a proposed Plan termination will be submitted to the City Council for consideration.

Chapter 2.
INCENTIVE PLAN FOR VOLUNTEER FIREFIGHTERS

1:200. Participation.

- (1) Except as otherwise provided herein, each active volunteer firefighter of the City shall be a Participant in the Plan.
- (2) Participation shall terminate upon the earlier of termination of duties as a volunteer firefighter or commencement of incentive benefits under the provisions of this Plan.

1:201. Service Credit.

- (1) A Participant shall be credited with one month of incentive service credit for each ~~complete~~ calendar month the Participant is an active volunteer firefighter and meets or exceeds the attendance requirements as identified in the Troy Fire Department Policy Directive 103.07; provided that ten (10) or more days of service are rendered by the Participant for that calendar month. Service shall be totaled in years and months.
- (2) For each full year of station officer service after July 1, 2020, active volunteer firefighters who serve as a station officer shall be credited with 1.3 years of service for every full consecutive year served as a station officer. This 1.3 multiplier shall only be used as a means to calculate the incentive benefits once the participant is eligible to receive incentive benefits in accordance with Section 1:202(2).
- (3) Should any Participant cease to be an active volunteer firefighter prior to attaining ten (10) or more years of continuous service as a volunteer firefighter, he or she shall immediately cease to be a Participant in this Plan and all incentive service credit shall be forfeited, unless otherwise provided herein.
- (4) Incentive service credit shall be restored to an Ineligible Former Participant upon returning to active duty as a volunteer firefighter within five (5) years from the date he or she ceased to be an active volunteer firefighter, and so long as he/she remains an active volunteer firefighter and a Participant in the Plan for five (5) consecutive years after returning to active service. In the event an Ineligible Former Participant returns to

service as an active volunteer firefighter after a break in service lasting five (5) or more years, incentive service credit shall be restored upon remaining an active volunteer firefighter and a Participant in the Plan for ten (10) consecutive years after returning to service.

- (5) In the event a Deferred Former Participant returns to service as an active volunteer firefighter, prior incentive service credit shall not be combined with new incentive service credit until after returning for five (5) consecutive years of active service as a volunteer firefighter. Payments will be in accordance with Section 1:202.

1:202. Benefits.

- (1) An eligible Participant or Eligible Former Participant, upon written application filed with the Board of Trustees and the receipt of approval, shall be paid incentive benefits pursuant to the provisions of this Plan. The incentive benefits due an eligible Participant or Eligible Former Participant shall be determined at the time he or she terminates participation, as provided in the Plan. Credited service under Section 1.201 shall be combined for benefit eligibility purposes only after a Participant's return to active service as a volunteer firefighter for five (5) consecutive years.
- (2) Except as otherwise set forth in the Plan, a Participant shall be eligible for incentive benefit payments upon his termination of Participation in the Plan and satisfaction of the following eligibility criteria as may be amended from time to time by resolution of City Council:
- (a) Ten (10) years of incentive service credit with at least five consecutive years as a participant after returning (if applicable), and is at least age fifty-five (55);
 - (b) Twenty-five (25) or more years of incentive service credit as a volunteer firefighter with at least five consecutive years as a participant after returning (if applicable) and has attained fifty (50) years of age; or
 - (c) A Participant having attained thirty (30) years of incentive service credit as a volunteer firefighter regardless of age, with at least five consecutive years as a participant after returning (if applicable).
- (3) Eligible Former Participants with ten (10) or more years of service as a volunteer firefighter, but who separated from volunteer service prior to meeting the foregoing age requirements, are eligible to commence receipt of incentive benefit payments from the Plan upon attainment of age sixty (60).
- (4) Incentive benefits shall be made in monthly installments on the last day of each month during the life of the Eligible Former Participant.
- (5) ~~The amount of each annual incentive benefit shall be equal to Six Hundred Eighty-one dollars (\$681.00) multiplied by the years of incentive service credit.~~ Effective July 1, 2021, the amended annual incentive benefit shall be equal to \$ 819, multiplied by the eligible years of service. This annual benefit amount ~~may shall~~ be ~~indexed for inflation~~ adjusted for each subsequent fiscal year by the percentage change in the Consumer Price Index (for the Metropolitan Detroit/Ann Arbor area), as published by the U.S. Bureau of Labor Standards, or its successor index ("CPI"), as of June 30 of the preceding fiscal

year. However, in no event shall any annual adjustment exceed a maximum increase of 5%. The amount may also be amended from time to time by a City Council budget appropriations resolution. In the event a Deferred Former Participant separates from service as an active volunteer firefighter prior to attaining immediate eligibility for incentive benefit payments under this Plan, he or she shall be entitled to an annual incentive benefit calculated in accordance with the provisions of this Plan in effect at the time of said Deferred Former Participant's separation from service as an active volunteer firefighter.

- (6) In the event a Participant has one or more breaks in service, incentive benefits payable under this Plan shall be calculated in accordance with the provisions of the Plan in effect at the time of each separation of service as an active volunteer firefighter.
- (7) Prior to the date of the first incentive benefit payment, but not thereafter, a Participant or an Eligible Former Participant may elect to receive his incentive benefits payable throughout his life, or receive his incentive benefits in a reduced amount payable throughout his life, and nominate a beneficiary, in accordance with one of the Options as set forth below:

Option A: 100% Joint and Survivor: Upon the death of an Eligible Former Participant, who elected Option A, his reduced incentive payment shall be continued throughout the life of and paid to such person having an insurable interest in his life, as he shall have nominated; or

Option B: 50% Joint and Survivor: Upon the death of an Eligible Former Participant, who elected Option B, one-half of his reduced incentive benefits shall be continued throughout the life of and paid to such person, having an insurable interest in his life, as he shall have nominated.

Option C: 100 % Joint and Survivor Pension w/ Pop-up (Pop-up Option A): Upon the death of an Eligible Former Participant who elected Option C, his reduced incentive benefits shall be continued through the life and paid to such person having an insurable interest in his life, as he shall have nominated. If the selected beneficiary predeceases the Eligible Former Participant, the incentive benefits shall revert to a straight-life payment payable throughout the remainder of the Eligible Former Participant's life.

Option D: 50% Modified Joint and Survivor Pension with Pop-up (Pop-up Option B): Upon the death of an Eligible Former Participant who elected Option D, one-half of his reduced incentive benefits shall be continued throughout the life of and paid to such person having an insurable interest in his life, as he shall have nominated. If the selected beneficiary predeceases the Eligible Former Participant, the incentive benefits shall revert to a straight-life payment payable throughout the remainder of the Eligible Former Participant's life.

- (8) In the event a Participant or Deferred Former Participant dies who has ten or more years of incentive service, his Spouse shall receive an incentive benefit computed in the same manner in all respects as if the Participant had terminated Participation on the day preceding his death, elected Option A, and nominated his Spouse as beneficiary. In the

event there is no surviving Spouse and the Participant is survived by one or more legally recognized children, a lump sum equal to 60% of the actuarial present value of the accrued annual incentive benefit shall be payable to the Participant's designated legal representative or his/her estate if no legal representative has been designated.

1:203. Miscellaneous.

- (1) Each Participant and Eligible Former Participant shall be deemed to have assented to the terms and conditions of the Plan. An individual may not sell, assign or hypothecate, in any manner, all or any part of the individual's potential payments under the Plan.
- (2) Nothing in this Plan shall in any way affect the rights of the City or a Participant to terminate the volunteer firefighter relationship between them.

IN WITNESS WHEREOF, this document has been signed and sealed on behalf of the City of Troy by its duly authorized officers, on this ____ day of _____, ~~2016~~2020.

CITY OF TROY

BY: _____

ITS: _____

BY: _____

ITS: _____

PARKS AND RECREATION ADVISORY BOARD

A Meeting of the Troy Parks and Recreation Advisory Board was held Thursday, September 19, 2019 at the Troy Community Center, room 303.

Steve Toth called the meeting to order at 6:33 p.m.

Present: Steve Toth, Julia (Judy) Baker, Kristin Franklin, Mike Brady, Tim Fulcher, Divya Aggarwal, Elaine Bo, Brian Goul, Dennis Trantham

Absent: Laurie Huber, Tim McGee, Janice Zikakis

Visitors: Pam Brady, newly appointed on the Park Board to replace Steve Toth

Resolution # PR - 2019 - 09 - 001

Moved by Judy Baker

Seconded by Mike Brady

RESOLVED, that the minutes of April 25, 2019 are approved with the addition of replacing streets with City of Troy Streets Department under staff reports..

Yes: 5

No: 0

MOTION CARRIED

- New Business

- 2018 Yearly Report.

- 2018 is the third publication of the Yearly Report.
 - Discussion on Dog Park and new amenities. The Human and Dog Fountains are now installed at Daisy Knight Dog Park. Steve Toth requested the Recreation department do a press release of the new features and that the standing water on the grounds has been fixed with a drainage system. The Parks Department is still waiting for DTE to get power to the restrooms.

- Troy Community Center Caterers List.

- Kosch Catering contract ended July 31, 2019.
 - There was a need for more catering option for patrons. Currently there are four preferred caterers and the Recreation Department will be going to council to approve three more preferred caterers. Current approved caterers are Crank's Catering, Granite City Brewery, Kosch Catering, and Sedona Taphouse.
 - The new caterer's and the food policy will be promoted more in the Winter Recreation Guide.

- Election of Officers

- Steve Toth recommended appointing a vice chair to be able to hold the November meeting. A decision was made to hold off on appointing chair until Tim McGee was in attendance.
 - Mike Brady made a motion to nominate Judy Baker as vice chair. Kristen Franklin 2nd.
 - a. Yes: all
 - b. No:

Old Business

- Park and Recreation Master Plan.
 - Community input is closed. There were approximately 1000 surveys turned in.
 - The Master Plan is being composed by Carlisle/Wortman and should be complete by the end of October.
 - Park Board needs to be in attendance at the November 14, 2019 meeting to discuss the Master Plan before going to Council in December.
 - There will be copies for the Park Board Members to view available at the Troy Community Center.

Member Comments

- Judy Baker said that the Doggie Splash at the Troy Family Aquatic Center was marvelous.
- Mike Brady discussed the presentation made at the June 17th, 2019 City Council Meeting by Oakland County Cooperative Invasive Species Management Area (CISMA). This organization volunteers to manage invasive species and the City is not interested in involvement with them. The cost is \$250 to join and will need a volunteer to attend meetings. Mike asked if this is something the Park Board would be interested in doing.
- Elaine Bo would investigate if the Park Board could get involved with CISMA.
- Steve Toth asked if the curtain surrounding the awning at Sanctuary Golf Course could be replaced. It is in poor condition.
- Elaine Bo is still composing a letter to Kulin Oak.
- Tim Fulcher discussed Troy Baseball Boosters and Troy Youth Soccer League using both City and School fields. He requested meeting with Scott Mercer and Elaine Bo to coordinate and try to find ways to help fund the organizations.
- Tim Fulcher discussed the concerns of Mosquitos and EEE in Oakland County. Troy Schools do not currently spray for mosquitos. Dennis Trantham let the Board know that the City of Troy already maintains the parks and sprays for mosquitos.

Staff Reports

Elaine Bo

- The City of Troy has brought back the Citizens Academy. Recreation and Library will be featured in the October 2nd meeting.
- City Hall has a new app. MiTroy.
- This October will be the Recreation Departments third Art Fair. We will have more artists this year. There will be three rooms of Artist plus artists in the lobby of the Troy Community Center.
- Winter Wonderland will be held on December 6, 2019. Last year we had about 6000 people in attendance.

Brian Goul

- The Troy Family Aquatic Center had 42,000 visits this season which is 5,000 more than last season.
- The Dog Swim had 159 dogs participate.
- Capital items being completed between now and June 30, 2020 are:
 - Pool marcite is getting redone
 - Gym floors stripped and redone
 - Troy Community Center locker room tiles fixed
 - Leisure pool pump replaced
- 5k Registration is now open

Dennis Trantham

- Has a signed proposal to make a trail around Sylvan Glen Lake Park.
- City of Troy Council has instructed staff to continue making trails.
- Brinston Park has new tennis and basketball court.
- Still waiting for DTE to make the restrooms at the Dog Park functional.
- Sylvan Glen Pro Shop is getting redesigned in current location.
- The Troy Farm barn roof has been replaced. It is now a metal roof and the costs were covered by Community Block Grant money.
- Robinwood Park received toddler swings.
- Firefighter's Park's disc golf baskets have been upgraded.

Mike Brady made a motion to adjourn.

Tim Fulcher seconded.

The meeting adjourned at 7:30 p.m.

Next meeting is scheduled for Thursday, November 14, 2019 at 6:30 pm.


Judy Baker, Vice Chairperson
Shannon Louwaert, Recording Secretary

A Meeting of the Civil Service Commission (Act 78) was held Thursday, November 14, 2019 at Troy City Hall, 500 W. Big Beaver Road in the Lower Level Conference Room. Chairman/President McGinnis called the meeting to order at 8:05 AM.

A. ROLL CALL:

PRESENT: Chairman/President Donald E. McGinnis, Jr.
Commissioner David Cannon

ALSO PRESENT: Julie Q. Dufrane, Assistant City Attorney
Cheryl A. Stewart, Deputy City Clerk
Jeanette Menig, Human Resources Director
David Roberts, Fire Chief
Richard "Chuck" Riesterer, Assistant Fire Chief
Peter Hullinger, Fire Staff Lieutenant
Paul Firth, Fire Staff Lieutenant
Shawn Hugg, Fire Staff Lieutenant

ABSENT: Commissioner John Steele

B. APPROVAL OF MINUTES:

1. Approval of Minutes of Thursday, October 3, 2019

Resolution #CSC-2019-11-010

Moved by Cannon

Seconded by McGinnis

RESOLVED, That the Troy Civil Service Commission (Act 78) hereby **APPROVES** the Minutes of the Thursday, October 3, 2019, meeting as presented.

Yes: McGinnis, Cannon

No: None

Absent: Steele

MOTION CARRIED

C. PETITIONS AND COMMUNICATIONS: None

D. REPORTS: None

E. OLD BUSINESS: None

F. **NEW BUSINESS:**

1. **Approval of Eligible List for Assistant Fire Chief**

Resolution #CSC-2019-11-011

Moved by Cannon

Seconded by McGinnis

RESOLVED, That the Civil Service Commission (Act 78) hereby **APPROVES** the eligible list for Assistant Fire Chief as **PRESENTED**.

Yes: Cannon, McGinnis

No: None

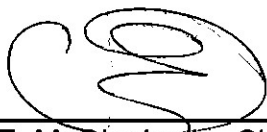
Absent: Steele

MOTION CARRIED

G. **PUBLIC COMMENT:** None

H. **ADJOURNMENT:**

The Civil Service Commission (Act 78) meeting **ADJOURNED** at 8:06 AM.



Donald E. McGinnis, Jr., Chairman


Cheryl A. Stewart, Deputy City Clerk

On November 19, 2019, at 7:30 p.m., in the Council Chambers of Troy City Hall, Chair Clark called the Zoning Board of Appeals meeting to order.

1. ROLL CALL

Present:

Daniel Agauas
Michael Bossenbroek
Glenn Clark
Tommy Desmond
David Eisenbacher
Aaron Green
Orestis Kaltsounis

Also Present:

Paul Evans, Zoning and Compliance Specialist
Lori Grigg-Bluhm, City Attorney

2. PROCEDURE

3. APPROVAL OF MINUTES – October 15, 2019

Moved by Green
Seconded by Agauas

RESOLVED, to approve the October 15, 2019 meeting minutes.

Yes: All

MOTION PASSED

4. APPROVAL OF AGENDA – No changes.

5. HEARING OF CASES

A. VARIANCE REQUEST, SAFET STAFA FOR TOLLBROOK WEST, LLC, 3109 ALPINE AND PARCEL 88-20-20-401-020: A use variance in accordance with the Big Beaver Zoning District. If a use variance is not granted, applicant appeals the July 22, 2019 decision of the Troy City council to deny Tollbrook West's request to rezone the property from R-1B, One Family Residential District, to BB, Big Beaver District.

Moved by: Eisenbacher
Seconded by: Kaltsounis

RESOLVED, that the use variance for the property located at 3109 Alpine currently zoned R-1B, One Family Residential, be DENIED. The Applicant has presented no

evidence establishing an unnecessary hardship, and has failed to demonstrate satisfaction of all of the elements required to be considered for a use variance request.

The Zoning Board of Appeals makes the following findings and conclusions based on the written materials, comments, and testimony of the Applicant's representatives, other interested persons, professional consultants, and other factual material presented to the Board to assist with deliberation:

1. The applicant has not demonstrated that the site cannot reasonably be used for any other use allowed within the current zoning designation of R-1B. It is the explicit finding of this Board that the property can be reasonably used for the purposes permitted in the current zoning district, R-1B.
2. There are no unique circumstances peculiar to this property. The applicant has not proven that there are certain features or conditions of the land that are generally applicable throughout the zone, nor has the applicant demonstrated, through expert testimony, that these features make it impossible to earn a reasonable return without some adjustment.

Specifically,

- a. The parcel is not exceptionally narrow or shallow tending to prevent the site from being used for any other use allowed within the current zoning designation, R-1B.
 - b. There are no topographic conditions or other extraordinary situations on the parcel tending to prevent the site from being used for any other use allowed within the current zoning designation, R-1B.
3. Granting a use variance where the applicant would be allowed to develop the parcel with any allowable use under BB District zoning will alter the essential character of the adjacent neighborhood and be a detriment to adjacent properties.
 4. The applicant has not identified a specific use for the property within the proposed BB District zoning, therefore, it is difficult to adequately assess whether the capacity and operations of public roads, utilities, or other facilities and services will be significantly compromised. However, the BB District in general allows for more intense uses than R-1B zoning, therefore, it is reasonable to presume the impact on the adjacent road, Alpine, which is smaller and more narrow than other roads in the BB District and which does not have enough right-of-way to construct a sidewalk, will be compromised.
 5. The need for the variance request is self-created by the applicant.

BE IT FURTHER RESOLVED, That this board is not addressing that portion of the application seeking to appeal the July 22, 2019 legislative decision of the Troy City Council denying Tollbrook West's request to rezone the property located at 3109 Alpine from R-1B, One Family Residential District, to BB, Big Beaver District, because this

Board does not have jurisdiction over such a request under Troy's Zoning Ordinance Section 15.04(B).

Moved by: Green
Seconded by: Desmond

RESOLVED, that the public be permitted to comment on the three cases that were postponed from the October 2019 Zoning Board of Appeals Meeting.

Moved by: Bossenbroek
Seconded by: Green

RESOLVED, to incorporate changes to the proposed resolution.

Yes: All

Vote on Mr. Green's motion:

Yes: All

Vote on Mr. Eisenbacher's motion:

Yes: All

B. VARIANCE REQUEST, SAFET STAFSA FOR TOLLBROOK, LLC, 3086, 3114, 3142 MCCLURE: A use variance in accordance with the Big Beaver Zoning District. If a use variance is not granted, applicant appeals the July 22, 2019 decision of the Troy City council to deny Tollbrook West's request to rezone the property from R-1B, One Family Residential District, to BB, Big Beaver District.

Moved by Green
Second by Desmond

RESOLVED, that the use variance for the property located at 3086, 3114, and 3142 McClure currently zoned R-1B, One Family Residential, be DENIED. The Applicant has presented no evidence establishing an unnecessary hardship, and has failed to demonstrate satisfaction of all of the elements required to be considered for a use variance request.

The Zoning Board of Appeals makes the following findings and conclusions based on the written materials, comments, and testimony of the Applicant's representatives, other interested persons, professional consultants, and other factual material presented to the Board to assist with deliberation:

1. The applicant has not demonstrated that the site cannot reasonably be used for any other use allowed within the current zoning designation of R-1B. It is the explicit

finding of this Board that the property can be reasonably used for the purposes permitted in the current zoning district, R-1B.

2. There are no unique circumstances peculiar to this property. The applicant has not proven that there are certain features or conditions of the land that are generally applicable throughout the zone, nor has the applicant demonstrated, through expert testimony, that these features make it impossible to earn a reasonable return without some adjustment.

Specifically,

a. The parcel is not exceptionally narrow or shallow tending to prevent the site from being used for any other use allowed within the current zoning designation, R-1B.

b. There are no topographic conditions or other extraordinary situations on the parcel tending to prevent the site from being used for any other use allowed within the current zoning designation, R-1B.

3. Granting a use variance where the applicant would be allowed to develop the parcel with any allowable use under BB District zoning will alter the essential character of the adjacent neighborhood and be a detriment to adjacent properties.

4. The applicant has not identified a specific use for the property within the proposed BB District zoning, therefore, it is difficult to adequately assess whether the capacity and operations of public roads, utilities, or other facilities and services will be significantly compromised. However, the BB District in general allows for more intense uses than R-1B zoning, therefore, it is reasonable to presume the impact on the adjacent road, McClure, which is smaller and more narrow than other roads in the BB District and which does not have enough right-of-way to construct a sidewalk, will be compromised.

5. The need for the variance request is self-created by the applicant.

BE IT FURTHER RESOLVED, That this board is not addressing that portion of the application seeking to appeal the July 22, 2019 legislative decision of the Troy City Council denying Tollbrook LLC's request to rezone the property located at 3086, 3114, 3142 McClure from R-1B, One Family Residential District, to BB, Big Beaver District, because this Board does not have jurisdiction over such a request under Troy's Zoning Ordinance Section 15.04(B).

C. VARIANCE REQUEST, OLIMPIU JR. & ADRIANA L. APAHIDEAN, 826 MARENGO: A variance to allow a parcel of land to be divided into two parcels, each having 80 feet of width and frontage. The Zoning Ordinance requires the new parcels to have 100 feet of width and frontage.

Moved by Agauas

Second by Desmond

RESOLVED, to grant the request.

Moved by Bossenbroek
Second by Agauas

RESOLVED, to amend the motion that, before lot split approval, portions of the existing home be removed to comply with building setbacks for the proposed parcels.

Yes: All

MOTION PASSED

Vote on the Agauas motion:

Yes: All

MOTION PASSED

D. VARIANCE REQUEST, KENNETH SHAHEEN, 2395 KINGSBURY: 1) a variance to allow a 17 foot tall garage where 14 feet maximum is allowed, 2) a variance to allow a two story garage where only one story is allowed, 3) a variance to allow a 3 foot setback from the property line where 6 feet minimum setback is required, and 4) a variance to allow the building to be in the front yard where the Zoning Ordinance allows it only in the rear yard.

Moved by Eisenbacher
Second by Desmond

RESOLVED, to postpone the request to the next meeting.

Yes: Agauas, Desmond, Eisenbacher, Kaltsounis, Green, Bossenbroek
No: Clark

MOTION PASSED

E. VARIANCE REQUEST, BRENDA SCHLUTOW, 23 SHEFFIELD: A variance to allow an addition to the home that will be 7 feet from the rear property line. The Zoning Ordinance requires the addition to be 35 feet from the rear property line

Moved by Eisenbacher
Second by Desmond

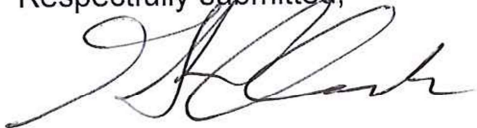
RESOLVED, to grant the request.

Yes: Desmond, Eisenbacher, Kaltsounis, Clark
No: Agauas, Green, Bossenbroek

MOTION PASSED

6. COMMUNICATIONS – None.
7. MISCELLANEOUS BUSINESS – None
8. PUBLIC COMMENT – One comment.
9. ADJOURNMENT – The Zoning Board of Appeals meeting ADJOURNED at 9:35 pm.

Respectfully submitted,



Glenn Clark, Chair *man*



Paul Evans, Zoning and Compliance Specialist

Traffic Committee Minutes – November 20, 2019**FINAL**

A regular meeting of the Troy Traffic Committee was held Wednesday, November 20, 2019 in the Lower Level Conference Room at Troy City Hall. Pete Ziegenfelder called the meeting to order at 7:30 p.m.

1. Roll Call

Present: Don Johnson
Richard Kilmer
Cindy Nurak
Al Petrulis
Cynthia Wilsher
Pete Ziegenfelder
Alankar Shende, Student Representative

Absent: Sunil Sivaraman

Also present: Earl Roberts, 3243 Kilmer
Mary Ortmann, 5298 Standish
Michael Ortmann, 5298 Standish
Pat Bismack, 370 McKinley
Anne Smith, 5284 Standish
Michaela Smith, 5284 Standish
Sgt. Justin Novak, Police Department
Bill Huotari, City Engineer/Traffic Engineer

2. Minutes – September 18, 2019

Resolution # 2019-11-20

Moved by Kilmer

Seconded by Johnson

To approve the minutes as printed.

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder

No: None

Absent: Sivaraman

MOTION CARRIED**PUBLIC HEARINGS****3. Request for Sidewalk Waiver – 370 McKinley (Sidwell #88-20-09-254-015)**

Pat Bismack of 2742 Powderhorn (Rochester Hills), requests a sidewalk waiver for the sidewalk at 370 McKinley (Sidwell #88-20-09-254-015). Mr. Bismack states *"I would be the only one with a sidewalk in the whole sub"*.

The Department of Public Works (DPW) recommends approving the waiver request and not requiring the installation of sidewalk “*due to the lack of sidewalk on the surrounding parcels*”, contingent upon the submission of a cash deposit for future construction and to assure consent and participation in any future sidewalk installation.

Mr. Bismack has already paid the sidewalk waiver fee in lieu of constructing the sidewalk. This was done due to the time of year and the need to have final grade approval issued to allow for the closing of the house.

Mr. Bismack was in attendance at the meeting and reiterated that there are no other sidewalks in the subdivision. The new homeowner does not want sidewalk.

Traffic Engineering received one (1) email in support of waiving the sidewalk.

Resolution # 2019-11-21

Moved by Wilsher

Seconded by Petrulis

WHEREAS, City of Troy Ordinances, Chapter 34, allows the Traffic Committee to grant waivers of the City of Troy Design Standards for Sidewalks upon a demonstration of necessity; and

WHEREAS, Pat Bismack has requested a waiver of the requirement to construct sidewalk based on lack of sidewalk on surrounding parcels; and

WHEREAS, the Traffic Committee has determined the following:

- a. A waiver will not impair the public health, safety or general welfare of the inhabitants of the City and will not unreasonably diminish or impair established property values within the surrounding area, and
- b. A strict application of the requirements to construct a sidewalk would result in practical difficulties to, or undue hardship upon, the owners, and
- c. The construction of a new sidewalk would lead nowhere and connect to no other walk, and thus will not serve the purpose of a pedestrian travel-way.

NOW THEREFORE, BE IT RESOLVED, that the Traffic Committee **GRANTS** a waiver of the sidewalk requirement for 370 McKinley (Sidwell #88-20-09-254-015) based on the receipt of a cash deposit in the amount of \$1,818.60 commensurate with the cost of sidewalk construction.

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder

No: None

Absent: Sivaraman

MOTION CARRIED

REGULAR BUSINESS

4. Request for Traffic Control – Drake Drive and Tucker Drive at Standish Drive

Mary Ortmann of 5298 Standish Drive states that the lack of traffic control at the intersection of Drake Drive and Tucker Drive, both at Standish Drive creates a hazardous condition.

Traffic Engineering received one (1) email in support of Stop signs at the intersections.

Michael Ortmann of 5298 Standish Drive was in attendance at the meeting. Mr. Ortmann reports that traffic has increased since the new subdivisions to the west have been built. Most traffic is coming off Drake and going south on Standish. Frequently turning vehicles travel at high speeds without slowing at the intersections. There appears to be more traffic on southbound Standish during the AM and PM peak hours. Traffic also appears to be heavier on Standish between Drake and Tucker. Traffic goes way too fast on Standish.

Mary Ortmann of 5298 Standish Drive was in attendance at the meeting. Ms. Ortmann discussed concerns with backing out of her driveway with fast approaching vehicles along Standish. She reports that many times vehicles will tailgate her as she drives the speed limit along Standish. Speeds along Mayflower have also increased. School time traffic makes the situation even more complicated. No one knows what to do at the intersection of Tucker and Standish. There is no traffic control in the area.

Anne Smith of 5284 Standish was in attendance at the meeting. Ms. Smith reiterated that traffic does not stop or yield at the intersection and confirmed that drivers do tailgate you along Standish. Many drivers do not yield to others at Tucker and Standish. She supports Stop signs to provide direction to drivers.

Mr. Ziegenfelder supports ALL-WAY STOP at the intersection of Tucker and Standish.

Mr. Johnson asked for clarification on parking in the area. The west side of Standish is posted No Parking. Parked cars can block visibility of cars pulling out of driveways. The new subdivisions are about 3 years old and have added traffic to the area. He asked about the John R construction impact on traffic and a resident reported that one-way northbound traffic on John R has increased southbound traffic on Standish, but that traffic had already increased before the John R construction started due to the new subdivisions.

Ms. Wilsher added that the school related traffic adds to the confusion in the area.

Sgt. Novak discussed that most students are driven to and picked up from school adding to the number of vehicles on the roads. Troy Police prefer traffic control at intersections.

Mr. Kilmer discussed opening up Tucker. He supports ALL-WAY STOP at the intersections.

Mr. Petrulis agreed that ALL-WAY STOP at Tucker and Standish makes sense. He questioned where southbound Standish traffic is generated from. He disagreed that all of the cut through traffic was from outside of the area and would not necessarily be classified as cut through traffic.

Student representative Shende discussed the ALL-WAY STOP at Tucker and Standish and the potential of an ALL-WAY STOP at Drake and Standish.

Sgt. Novak stated that Troy Police provide additional enforcement when new traffic control devices are installed to ensure compliance as drivers get used to the new signs.

Resolution # 2019-11-22

Moved by Johnson

Seconded by Wilsher

RESOLVED, that the intersection of Drake Drive at Standish Drive be **MODIFIED** from no traffic control to a STOP sign on the Drake Drive approach to the intersection at Standish Drive.

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder

No: None

Absent: Sivaraman

MOTION CARRIED

Resolution # 2019-11-23

Moved by Johnson

Seconded by Wilsher

RESOLVED, that the intersection of Tucker Drive at Standish Drive be **MODIFIED** from no traffic control to ALL-WAY STOP control at the intersection of Tucker Drive at Standish Drive.

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder

No: None

Absent: Sivaraman

MOTION CARRIED

5. Request for Traffic Control – Hartland Drive at Kilmer Drive

Marci Curtis of 343 Vanderpool states that the lack of ALL-WAY STOP control at the intersection of Hartland Drive at Kilmer Drive creates a hazardous condition. A new home at the corner has exacerbated the condition and reduced the sight lines.

Traffic Engineering received two (2) phone calls in support of ALL-WAY STOP control at the intersection of Hartland and Kilmer.

Earl Roberts of 3243 Kilmer was in attendance at the meeting. He has lived in his home near the intersection for 29 years and has witnessed the increase in traffic along Hartland. He supports ALL-WAY STOP control at the intersection. The new home at the corner will reduce visibility.

Mr. Kilmer added that Hartland has always been a primary cut through route between Livernois

and Rochester.

Ms. Wilsher discussed increased traffic along Hartland due to the new retail and restaurants along Big Beaver. Traffic is using Hartland to avoid congestion on Big Beaver.

Mr. Johnson supports ALL-WAY STOP control at the intersection. The curve in Hartland near Ellenboro creates limited line of sight for drivers on Kilmer, especially if vehicles are traveling fast along Hartland as they approach Kilmer.

Resolution # 2019-11-24

Moved by Kilmer

Seconded by Wilsher

RESOLVED, that the intersection of Hartland Drive at Kilmer Drive be **MODIFIED** from STOP control on the Kilmer Drive approaches to ALL-WAY STOP control at the intersection of Hartland Drive and Kilmer Drive.

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder

No: None

Absent: Sivaraman

MOTION CARRIED

6. 2020 Meeting Schedule

According to City of Troy Traffic Committee By-Laws, Article IV – Meetings:

“Regular meetings will be held on the third Wednesday of each month at 7:30 p.m. at the Troy City Hall, 500 West Big Beaver Road, Troy, Michigan.”

There are no other by-laws or procedures that establish the actual dates of the meetings, but an annual calendar of meetings is published by the City so meeting dates need to be set for this purpose.

Resolution # 2019-11-25

Moved by Kilmer

Seconded by Johnson

RESOLVED, that the Traffic Committee **SHALL HOLD** Regular Meetings in 2020 according to the following schedule at 7:30 PM:

- Wednesday, January 15
- Wednesday, February 19
- Wednesday, March 18
- Wednesday, April 15
- Wednesday, May 20
- Wednesday, June 17
- Wednesday, July 15
- August – NO MEETING

- Wednesday, September 16
- Wednesday, October 21
- Wednesday, November 18
- December – NO MEETING

Yes: Johnson, Kilmer, Nurak, Petrulis, Wilsher, Ziegenfelder
No: None
Absent: Sivaraman

MOTION CARRIED

7. Public Comment

There was no public comment at the meeting.

8. Other Business

Traffic Engineering provided handouts from MDOT showing the Diverging Diamond Interchange (DDI) proposed at 14 Mile and Big Beaver, both at I75. General discussion regarding I75 construction followed.

9. Adjourn

The meeting adjourned at 8:23 p.m.



Pete Ziegenfelder, Chairperson



William J. Huotari, City Engineer/Traffic Engineer

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On December 17, 2019, at 7:30 p.m., in the Council Chambers of Troy City Hall, Chair Clark called the Zoning Board of Appeals meeting to order.

1. ROLL CALL

Present:

Daniel Agauas
Michael Bossenbroek
Glenn Clark
David Eisenbacher
Aaron Green
Orestis Kaltsounis
James McCauley

Also Present:

Paul Evans, Zoning and Compliance Specialist
Allan Motzny, Assistant City Attorney

2. PROCEDURE

3. APPROVAL OF MINUTES – November 19, 2019

Moved by Green
Seconded by Eisenbacher

RESOLVED, to approve the November 19, 2019 meeting minutes.

Yes: All

MOTION PASSED

4. APPROVAL OF AGENDA – No changes.

5. HEARING OF CASES

A. VARIANCE REQUEST, KENNETH SHAHEEN, 2395 KINGSBURY: 1) a variance to allow a 17 foot tall garage where 14 feet maximum is allowed, 2) a variance to allow a two story garage where only one story is allowed, 3) a variance to allow a 3 foot setback from the property line where 6 feet minimum setback is required, and 4) a variance to allow the building to be in the front yard where the Zoning Ordinance allows it only in the rear yard.

Moved by Green
Second by Eisenbacher

RESOLVED, to postpone the request to the next meeting.

Yes: All

MOTION PASSED

B. VARIANCE REQUEST, KATHRYN M. GOETZ, 4075 CHESTNUT HILL: In order to construct an addition to the house, a variance from the required 40 foot front yard setback.

Moved by McCauley
Second by Desmond

RESOLVED, to grant the request.

Yes: All

MOTION PASSED

6. COMMUNICATIONS – None.
7. MISCELLANEOUS BUSINESS – 2020 Meeting schedule – no changes proposed
8. PUBLIC COMMENT – Two persons commented.
9. ADJOURNMENT – The Zoning Board of Appeals meeting ADJOURNED at 8:22 pm.

Respectfully submitted,



Glenn Clark, Chair



Paul Evans, Zoning and Compliance Specialist

A Meeting of the Civil Service Commission (Act 78) was held Thursday, January 9, 2020 at Troy City Hall, 500 W. Big Beaver Road in the Lower Level Conference Room. Chairman/President McGinnis called the meeting to order at 7:32 AM.

A. ROLL CALL:

PRESENT: Chairman/President Donald E. McGinnis, Jr.
Commissioner David Cannon
Commissioner John Steele

ALSO PRESENT: Lori Grigg Bluhm, City Attorney
M. Aileen Dickson, City Clerk
Jeanette Menig, Human Resources Director
Frank Nastasi, Police Chief
Chris Stout, Police Captain

B. APPROVAL OF MINUTES:

1. Approval of Minutes of Thursday, November 14, 2019

Resolution #CSC-2020-01-01

Moved by Cannon
Seconded by Steele

RESOLVED, That the Troy Civil Service Commission (Act 78) hereby **APPROVES** the Minutes of the Thursday, November 14, 2019, meeting as presented.

Yes: All-3
No: None

MOTION CARRIED

C. PETITIONS AND COMMUNICATIONS: None

D. REPORTS: None

E. OLD BUSINESS: None

F. NEW BUSINESS:

1. Appointment of President/Chair

Resolution #CSC-2020-01-02

Moved by Cannon

Seconded by Steele

WHEREAS, Section 38.502 of Act 78 of 1935 requires that the three members of the commission annually appoint one of their number to act as president for a term of one year;

THEREFORE BE IT RESOLVED, That the Troy Civil Service Commission (Act 78) hereby **REAPPOINTS** Don McGinnis as President/Chair of the Civil Service Commission (Act 78) for a period of one year.

Yes: All-3

No: None

MOTION CARRIED

2. Approval of Job Qualifications, Posting and Test Battery for Recruitment of Police Officer

Resolution #CSC-2020-01-03

Moved by Cannon

Seconded by Steele

RESOLVED, That the Civil Service Commission (Act 78) hereby **APPROVES** the job qualifications, the posting and the test battery for the recruitment of Police Officer as **PRESENTED**.

Yes: All-3

No: None

MOTION CARRIED

G. PUBLIC COMMENT: None

H. ADJOURNMENT:

The Civil Service Commission (Act 78) meeting **ADJOURNED** at 7:36 AM.

Donald E. McGinnis, Jr., Chairman

M. Aileen Dickson, City Clerk

Chair Faison called the Regular meeting of the Troy City Planning Commission to order at 7:01 p.m. on January 14, 2020 in the Council Chamber of the Troy City Hall.

1. ROLL CALL

Present:

Ollie Apahidean
Karen Crusse
Carlton M. Faison
Michael W. Hutson
Tom Krent
David Lambert
Marianna Perakis
Sadek Rahman
John J. Tagle

Also Present:

R. Brent Savidant, Community Development Director
Ben Carlisle, Carlisle Wortman Associates
Julie Quinlan Dufrane, Assistant City Attorney
Jackie Ferencz, Planning Department Administrative Assistant
Kathy L. Czarnecki, Recording Secretary

2. APPROVAL OF AGENDA

Resolution # PC-2020-01-001

Moved by: Lambert
Support by: Rahman

RESOLVED, To approve the Agenda as prepared.

Yes: All present (9)

MOTION CARRIED

3. APPROVAL OF MINUTES

Mr. Krent asked the minutes to reflect a correction in the time of adjournment.

Resolution # PC-2020-01-002

Moved by: Krent
Support by: Tagle

RESOLVED, To approve the minutes of the December 10, 2019 Regular meeting as revised.

Yes: All present (9)

MOTION CARRIED

4. PUBLIC COMMENT – Items not on the Agenda

There was no one present who wished to speak.

PUBLIC HEARING

5. PUBLIC HEARING – REZONING REQUEST (File Number Z 2019-0039) – Proposed Addison Heights Subdivision Rezoning, East of Livernois, South side of Arthur (88-20-27-307-033), Section 27, From P (Vehicular Parking) District to R-1E (One Family Residential) District

Mr. Savidant explained what a rezoning request is and its approval process. He provided a history of the zoning of the property. Mr. Savidant addressed the request as relates to the Rezoning Standards and Master Plan. Mr. Savidant said the applicant wants to construct a residential home on the site. It was recommended that the Planning Commission recommends to the City Council to grant approval of the rezoning request.

The applicant Ross Martin was present.

PUBLIC HEARING OPENED

There was no one present who wished to speak.

PUBLIC HEARING CLOSED

There was discussion on:

- Ownership of adjacent parcels.
- Potential development in the future along Livernois and the right of way.

Resolution # PC-2020-01-003

Moved by: Hutson

Support by: Tagle

RESOLVED, That the Planning Commission hereby recommends to the City Council that the P (Vehicular Parking) District to R-1E (One Family Residential) District rezoning request, as per Section 16.03 of the City of Troy Zoning Ordinance, located on the south side of Arthur, East of Livernois, within Section 27, being approximately 0.24 acres in size, be **GRANTED** for the following reasons:

1. The proposed rezoning is consistent with the Master Plan.
2. The proposed rezoning does not appear to cause or increase any nonconformity.
3. If rezoned the property will be capable of accommodating service and facility loads caused by use of the development.
4. The rezoning does not appear to impact public health, safety, or welfare.
5. The rezoning will ensure compatibility with adjacent uses of land.

Yes: All present (9)

MOTION CARRIED

PRELIMINARY SITE PLAN APPROVALS

6. PRELIMINARY SITE PLAN REVIEW (File Number SP2019-0022) – Proposed Crooks Road Townhomes, West side of Crooks, North of Wattles, Section 17, Currently Zoned NN (Neighborhood Node “I”) District

Ms. Perakis disclosed she formerly lived in the Woodlands subdivision from 2008 to 2014 and her home on Parkstone backed up to the subject property. She also disclosed that the applicant is a current neighbor of hers and she was in opposition to the applicant’s proposed apartment project that was formerly considered by the City. Ms. Perakis said there is no conflict of interest and that she can be objective in her consideration of the application.

Mr. Carlisle outlined the revisions the applicant proposes to the application based on discussion from the Planning Commission, staff and the public when considered at the September 24, 2019 meeting. He noted the site plan revisions are identified on page 5 of his report dated January 7, 2020. Mr. Carlisle reported there are significant outstanding site plan items on the revised site plan, as relates to screening/landscaping along adjacent residential property lines, tree removal loss due to the stormwater facility and lighting impact to adjacent property.

Mr. Carlisle recommended to postpone the application to allow the applicant to address site plan items.

Present were Carmine Avantini, AICP, of Community Image Builders, Arvin Stafa, Brandon Bronikowski, James Butler and Greg Bono, both of Professional Engineering Associates (PEA).

Mr. Avantini presented a PowerPoint presentation and addressed the additional acreage, decrease in density, increase in guest parking, traditional two-car garages, increased setback, screening and buffer to residential, building height, line of sight visual, grade difference, location of EVA, parking and pedestrian traffic. Mr. Avantini indicated several site plan issues identified by the Planning Consultant have been addressed. He asked for a favorable vote conditioned on the remaining issues that could be administratively addressed through engineering and final site plan processes.

Mr. Stafa addressed building height, grading, outlots and public engagement. Mr. Bronikowski addressed building materials and circulated building material samples. Mr. Bono addressed stormwater management. Mr. Butler said concerns relating to floodplain and wetlands would be addressed through the engineering process.

Chair Faison opened the floor for public comment.

The following spoke in opposition, voicing concerns with grade difference, drainage, flooding, compatibility, property values, application process, no public engagement, traffic impact and safety.

- James Chang, 4397 Bender
- Latish Adnani, 4219 Crooks
- Tom Reiss, 1400 Bradbury
- Jerry Rauch, 4187 Penrose
- Doug and Linda Gerard, 4197 Carson
- Mike and Laura Lipinski, 4233 Carson
- Thomas Mikulski, 4408 Cahill
- Daphne (Ntiri) and Jean-Claude Quenum, 4198 Carson
- JinMing Xu, 4179 Carson
- Bob Laudicina, 1286 Fountain
- Paul Balas, 4087 Parkstone
- Nadwa Gowda, 4412 Lehigh (*illegible*)
- Trevor Babi, 4537 Cahill
- Jeff Silagy, Whisper Way
- Raghav Kashi, 4420 Cahill

David Donnellon, architect and municipal planner; represented the seller of the property. He stated the development is permitted by right in the Neighborhood Node zoning district and addressed the balance between the Neighborhood Node and Single Family Residential zoning districts.

Chair Faison closed the floor for public comment.

There was discussion on:

- Grading difference, as relates to drainage and engineering design process.
- Stormwater management.
- Outlots; ownership, potential to build, property lines.
- Wetland and floodplain, as relates to MDEQ and engineering design process.
- Compatibility and transition to residential, as relates to landscape buffer, building height, line of vision, building materials.
- Line of vision scale and calculations.
- Neighborhood Node districts as relates to Master Plan, philosophy.
- Traffic impact; study.
- “Real” density.
- Engagement with neighbors; strongly encouraged.
- Intent of Master Plan.
- Joint meeting with City Council to discuss Neighborhood Node zoning districts.

Ms. Dufrane interjected the discussion to state the proposed development is permitted by right on the subject property.

Mr. Avantini asked the Board's consideration to postpone the item to allow an opportunity to respond to and investigate comments made this evening and to possibly gain insight from the joint meeting.

Resolution # PC-2020-01-004

Moved by: Krent

Support by: Lambert

RESOLVED, That Preliminary Site Plan Approval, pursuant to Article 8 of the Zoning Ordinance, as requested for the proposed Crooks Road Townhomes, located on the west side of Crooks, North of Wattles, Section 17, within the NN (Neighborhood Node "I") District, be postponed, for the following reasons:

1. Allow the applicant time to digest comments made by residents, Planning Commission and staff and to address the site plan items identified in the Planning Consultant report and staff review.

Yes: Apahidean, Crusse, Lambert, Faison, Krent, Rahman, Tagle

No: Hutson, Perakis

MOTION CARRIED

Chair Faison called for a recess at 9:33 p.m. The meeting reconvened at 9:50 p.m.

7. PRELIMINARY SITE PLAN REVIEW (File Number SP JPLN2019-0040) – Proposed Square Lake Court Townhomes, South side of Square Lake Road, West of Dequindre, Section 12, (88-20-12-200-025), Currently Zoned NN (Neighborhood Node "N") District

Mr. Carlisle reviewed the Preliminary Site Plan application for Square Lake Court Townhomes. He addressed the need for a dedicated guest parking area, a cross-access easement along the southern property line, additional trees along the west property line, shielding light fixtures and architectural detail on elevations.

Mr. Carlisle recommended to postpone the Preliminary Site Plan application to allow the applicant to address the guest parking, architectural detailing and other site plan concerns identified in his report dated January 7, 2020.

Present were Renis Nushaj, Erion Nikolla of Eureka Building Company and James Butler of Professional Engineering Associates (PEA).

Mr. Butler addressed the outstanding site plan issues relating to the photometric plan, landscaping and guest parking. He said the additional trees would be added and the light fixture shielded. Mr. Butler indicated 10 to 12 parallel spaces could be dedicated for guest parking along the southern property line.

Mr. Nikolla addressed design and architectural features of the elevations, building materials and colors. Building material samples were circulated.

Mr. Nushaj addressed the City's requirement for a cross-access easement. Mr. Nushaj believes a cross-access easement agreement should be a private contract among involved parties, not a requirement of the City, and views the City's requirement as an encumbrance on private property.

There was discussion on:

- Guest parking; accommodation and layout.
- Ownership of property to south.
- Cross-access easement and EVA requirements.
- Traffic circulation; no comments from Engineering review.
- Recent revisions to site plan.

Ms. Dufrane referenced Zoning Ordinance sections that relate to the requirement of a cross-access easement and exceptions to that requirement; i.e., if it is demonstrated that there are either physical limitations or functional circumstances that prevent such access from being installed.

Mr. Carlisle said the EVA is noted on the site plan; the cross-access easement is not noted on the site plan.

Mr. Savidant stated that both the Fire Department and Engineering Department recommend a cross-access easement, but it is the authority of the Planning Commission to place a cross-access easement on a property.

Resolution # PC-2020-01-005

Moved by: Krent

Seconded by: Crusse

RESOLVED, That Preliminary Site Plan Approval, pursuant to Article 8 of the Zoning Ordinance, as requested for the proposed Square Lake Court Townhomes, 14 units, located on the South side of Square Lake, West of Dequindre (PIN 88-20-12-200-025), Section 12, Zoned NN (Neighborhood Node "N"), be granted, subject to the following:

1. Add dedicated guest parking.
2. Provide cross-access easement along southern property line.
3. Add additional trees along west property line.
4. Replace light fixture with shielded one.
5. Identify all materials.
6. Add additional architectural details to the side elevations.

Yes: Crusse, Lambert, Faison, Krent, Rahman, Tagle

No: Apahidean, Hutson, Perakis

MOTION CARRIED

OTHER BUSINESS**8. PLANNING COMMISSION 2020 MEETING SCHEDULE – REVISION**

Mr. Savidant asked for the Board's consideration to revise the 2020 Planning Commission meeting calendar by removing the March 10, 2020. He explained an election is being held that day and there could be a conflict in reserving a meeting room.

Resolution # PC-2020-01-006

Moved by: Lambert

Seconded by: Rahman

RESOLVED, To revise the 2020 Planning Commission Schedule and remove the March 10, 2020 date.

Yes: All present (9)

MOTION CARRIED**9. ELECTION OF OFFICERS**

Chair Faison opened the floor for nominations of Chair. Ms. Crusse nominated Mr. Faison. Mr. Hutson nominated Mr. Krent. There were no further nominations placed on the floor.

Mr. Faison said he would be happy to serve another year or happy to step down to allow the opportunity to another member.

Mr. Krent accepted the nomination.

Roll call vote on the nomination of Mr. Faison for Chair

Yes: Crusse, Lambert, Faison, Rahman

No: Apahidean, Hutson, Krent, Perakis, Tagle

MOTION FAILED**Roll call vote on the nomination of Mr. Krent for Chair**

Yes: Apahidean, Lambert, Faison, Hutson, Krent, Perakis, Rahman, Tagle

No: Crusse

MOTION CARRIED

Mr. Krent is the newly elected Chair.

Chair Faison opened the floor for nominations of Vice Chair. Mr. Tagle nominated Mr. Lambert. There were no further nominations placed on the floor.

Mr. Lambert accepted the nomination and is the newly elected Vice Chair.

There was discussion on the role, structure and formation of the Planning Commission representative to the Zoning Board of Appeals; consideration might be given to making revisions.

Chair Faison opened the floor for nominations of Zoning Board of Appeals (ZBA) Representative. Mr. Apahidean nominated Mr. Rahman. There were no further nominations placed on the floor.

Mr. Rahman accepted the nomination and is the newly elected ZBA Representative.

10. PUBLIC COMMENT

There was no one present who wished to speak.

11. PLANNING COMMISSION COMMENT

There were general Planning Commission comments, some relating to:

- Compatibility, transition of Neighborhood Nodes to single family residential.
- Opening the floor for public comment following a Public Hearing.
- 2020 Michigan Regional Future City Competition at Novi Showplace on January 28.

Chair Faison was acknowledged and thanked for a good job as Chair!

A warm welcome was extended to Ms. Perakis.

The Regular meeting of the Planning Commission adjourned at 11:19 p.m.

Respectfully submitted,

Carlton Faison, Chair

Kathy L. Czarnecki, Recording Secretary



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P-02a

FROM THE OFFICE OF THE CITY MANAGER

Date: January 23, 2020
To: Troy City Council Members
From: Mark F. Miller, City Manager
Subject: City Manager Status Report

Background

On March 18, 2019 the City Council adopted Resolution #2019-03-031: RESOLVED, that Troy City Council hereby ADOPTS the 2019-2020 Strategies for the upcoming fiscal year as presented by City Management. The purpose of this memo is to provide a status report on the 2019-2020 Strategies and other important projects.

2019 – 2020 Strategies

1. Re-evaluate the Trails & Pathways program with a focus on public participation and creative problem-solving to build community support.

Anderson, Eckstein, and Westrick, Inc. (AEW) has begun the design process of Sylvan Glen Lake Park trail working under its current contract with the City of Troy (Resolution #2017-06-105-J-4a). AEW continues to work on the design of the trail. We currently are looking at the trail alignment adjacent to the retention pond to make a determination if the trail will go through the woods or further into the pond area. Going through the woods will likely cause tree removal and we are determining if any historic trees will be impacted and making this part of our decision making process. It is estimated this project will be posted for bid in spring 2020 and brought to City Council for consideration shortly after.

In addition to the trail in Sylvan Glen Lake Park, the City of Troy and AEW are designing ADA accessible pathways to the soccer field bleachers at Firefighters Park. Community Development Block Grant Funds (CDBG) are supporting the design and construction of this project. We have met with the county who administers the CDBG funding and they are suggesting we wait a year so the project is not divided into phases and can be done all at once. The topographical survey is complete and AEW has begun designing the pathway and a cost estimate is being prepared. The cost estimate will assist in deciding to make this a single or multiyear project.

2. Gather community input, reassess the most recent Town Center initiative, and develop a plan for the future of the Civic Center property.

No change since the December report. The customer service needs of City Hall are being assessed through Strategy #3 and community input will be gathered through Strategy #10. Both



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FROM THE OFFICE OF THE CITY MANAGER

are described below. Planning for the future of the Civic Center property will be discussed with the City Council during the fiscal year 2020-2021 strategic planning process.

3. Determine the customer service needs of City Hall and incorporate the findings of the Facilities Condition Assessment into the maintenance plan of the facilities.

Department heads met with OHM on January 13, 2020 to discuss the different uses of the areas within City Hall and if there are additional space needs for each additional department. During this meeting, staff was reminded of the Statement of Intent and the Guiding Principles of the study, which are;

Statement of Intent- Why are we doing this

1. 2019 Strategy- Determine the customer service needs of City Hall and incorporate the findings of the Facilities Condition Assessment into the maintenance plan of the facilities
 - The current City Council strategy requires staff to look at the City Hall and determine if improvements need to be made to better serve its customers
 - The strategy also requires staff to include the findings of the FCA while determining any future improvements to City Hall
2. Employee and Customer Safety
 - The safety of City employees needs to be evaluated and update to current standards and threats.
 - This will include customer interactions and employee access control measures
3. Equal Opportunity
 - This process will allow all departments within City Hall to have an equal opportunity to give recommendations and opinions on how City Hall should be improved.

Guiding Principles

1. Develop City Hall to promote energy conservation and energy performance
2. Develop interaction areas that consider employee safety and creative customer interaction opportunities
3. Organize department placement to be most convenient to City Hall customers while considering departments that communicate and coordinate with each other daily
4. Create modern, comfortable, and efficient work spaces for employees and include alternative impromptu workspace locations
5. Develop a plan that can be accomplished in phases
6. Use the existing space within the current City Hall

Department heads will meet individually with OHM beginning January 28, 2020 to discuss the results of these findings. This process includes a series of three meetings where department heads will meet individually with OHM to determine the current space and security demands for each department. The final report is expected to be delivered in 2020.



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4. Establish a comprehensive Capital Improvement Program and planning process that is reviewed and implemented on an annual basis.

No change since the December report. City staff is establishing a capital improvements program consistent with the Michigan Planning Enabling Act, Act 33 of 2008. Special City Council meetings for presentation of the proposed budget are scheduled for Monday, April 20, 2020 and Wednesday, April 22, 2020. The City Council must adopt the fiscal year 2020-2021 budget on or before Monday, May 18, 2020 (City Charter Section 8.3).

5. Convene the Charter Revision Committee to evaluate charter language and millage limitations, and develop a strategy to fund the Library past 2021.

No change since the December report. A report regarding library funding was included in the November 25, 2019 City Council agenda packet. City staff has planned to work with City Council to weigh its options and prepare ballot wording for the November 3, 2020 general election.

6. Determine public transportation service needs, and implement a revised plan for the Big Beaver Shuttle and Medi-Go.

The City of Troy launched Troy R.Y.D.E. (Reach Your Destination Easily) on October 1, 2019. This service continues to grow with an increasing request for service. Staff will continue to monitor the demand for service to ensure we are meeting current service demands.

7. Update the Parks and Recreation Plan and incorporate the Green Space Subcommittee recommendations to protect and invest in the City's parks.

The plan is currently published for public comment and will be presented to City Council for consideration on January 27, 2020. Once the plan is adopted it will be registered with the State of Michigan.

8. Evaluate the Volunteer Firefighters Incentive Plan to ensure the policy is reasonable and sustainable.

A report regarding this strategy is included in this City Council agenda packet. City Council will be asked to take action at its February 10, 2020 regular meeting. In the meantime, City Manager plans to meet with the Volunteer Firefighters Incentive Committee before February 10.

9. Study the feasibility of a Rochester Road Improvement District.

A report regarding this strategy was included in the November 25, 2019 City Council agenda packet, with City Management recommending no additional action be taken at this time. Please let City Management know if you have any further comments or questions.



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FROM THE OFFICE OF THE CITY MANAGER

10. Develop a plan to effectively engage residents and businesses through community conversations.

City Management has been researching various methods of community engagement, including a revised resident/business survey, City Branding and signage, and the development of a comprehensive Public Participation Plan as a part of this strategy. In addition, the Downtown Development Authority has begun discussions as to how to use its marketing budget to promote the Big Beaver Corridor.

Each of these various topics are still in the development stage, and City Management will provide additional updates in the coming months. This strategy is likely to be discussed during the strategy development process in February.

Other Projects

Classification and Compensation Study

The consultant, GovHR, presented the draft report to classified and exempt City employees on December 12, 2019. Employees and their supervisors had the opportunity to review the details provided and submit requests for appeal/reevaluation, if desired. The Human Resources Department collected the appeals and will be reviewing requests with GovHR who will determine if changes should be made to prior to finalizing the report.

Forensic Accounting Investigation Corrective Action Plan (CAP)

No change since the December report. A memo dated September 18, 2019 was included in the September 23, 2019 City Council agenda packet (P-02b) and a memo dated September 30, 2019 was included in the October 7, 2019 City Council agenda packet (P-02a). These memos summarized the corrective actions taken related to expenses and City Council agenda memos. Training on the new electronic agenda memo approval process was conducted during the week of November 11, 2019 and the process is being used for the November 25, 2019 City Council agenda packet.

Additional reports will be provided regarding the remaining corrective actions in the coming months.

Citizens Academy

A graduation ceremony was held during the November 25, 2019 City Council meeting. After considering the costs and feedback, City Management plans to hold Citizens Academy on an annual basis on the autumn of each year. Planning for the 2020 Citizens Academy will begin in late Q2 of 2020.

City Council Orientation

Over the course of January 2020, City Council has held 2 orientation sessions with City staff to build a mutual understanding of City functions and processes. The final Orientation session is scheduled for Monday, January 27th at 6:00 PM prior to the regularly schedule City Council meeting. It is City



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Management's hope that these new orientation sessions have been helpful for the on-boarding of new Council Members, as well as to expand the knowledge and understanding of previously seated members.

Should you have any additional questions or concerns, or a desire for additional training, please let City Management know and we can accommodate. In addition, any comments or feedback from these orientation session are welcome, as City Management would like to continue and improve the process for future City Councils.

City Council Personnel Evaluations

The City Council awarded a contract for consulting services on November 25, 2019 and a purchase order was issued on December 9, 2019. The consultant began work shortly thereafter. Special City Council meetings for personnel evaluations are scheduled for Monday, March 2, 2020 and Monday, March 23, 2020.

City Council & Planning Commission Joint Meeting

On December 16, 2019, City Council resolved to schedule a joint meeting with the Troy Planning Commission on Tuesday, February 4th to discuss the planning and development within the City (Resolution #2019-12-163). Since that date, City Management and the City's Planning Department have been working with both City Council and the Planning Commission to develop the agenda for that meeting. If you have any questions or concerns regarding the up-coming joint meeting, please let City Management know.

Strategy Development

At the January 13, 2020 Council Meeting, City Management included an agenda item that outlined Management's proposed Strategy Development Process for the next fiscal year. City Council moved the date, time, and location of the event to Thursday, February 13th in room 303 at the Troy Community Center, with the event to start at 6:00 PM. On Tuesday, January 21, City Management sent an e-mail request to each City Council member for strategy suggestions to be discussed at the event. We request that you speak with your constituents, and provide a list of 3-5 concepts that you'd like to see the City consider. These suggestions should be succinct, relatively specific topics that are of high urgency and importance to City business, and should require a degree of interdepartmental cooperation.

Please send your strategy suggestions back to the City Manager's office by Friday, February 7th. Please let City Management know if you have any additional questions or concerns.



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FROM THE OFFICE OF THE CITY MANAGER

Capital Project Updates

Through the budget process, City Council approves capital projects and then is presented with contracts to fulfill the budgeted projects using a competitive bid process. Some capital projects are subdivided using the Facilities and Ground Staff to manage the project in phases. The individual phases often do not meet the purchasing financial threshold to have City Council resolve on the expenditure. Therefore, we will report on these projects using this format to inform City Council of their progress.

Capital Project 2020C0065 Sewer – Storage Building and Workshop

Total Project cost - \$150,000

The Storage Building and Workshop project renovates 4,000 ft² that was shared between the Fleet Operation Division and the Water/Sewer Operation Division and repurposes it into usable heated storage and workshop space for the Water/Sewer Operation Division. The Facilities and Grounds Division has acted as the general contractor on this project and has performed a significant portion of the work with in-house staff. To date the following work has taken place:

- Unit Heater Replacement
- North Man Door Replacement
- Metal roofing repair
- Relocation on Unit Heater
- CMU Block Repairs

Forthcoming work to be completed

- Installation of 3" of open cell spray on foam insulation
- Replacement of Electrical service panel and branch circuits
- Steel Frame Painting
- Exterior metal paneling repairs
- Exterior painting
- Interior storage
- Equipment installation

The Facilities and Grounds Operations Division will continue acting as the general contractor for this project. This Project will be completed within the existing budget by June 30, 2020.

Capital Project 2020C0079 Motor Pool – Garage/Parts Room Renovation

Total Project cost \$60,000

The Motor Pool – Garage/Parts Room Renovation project was created to renovate the 1,400 ft² new parts storage room, technician library and supervisor work space. The Facilities and Grounds Division will serve as the General Contractor on this project. Facilities will coordinate trades as needed with the intention to perform a portion of the work with in-house staff. To date the following work has taken place:



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Completed to date:

- Painting
- Shelving purchased
- Floor burnishing
- Windows and doors have been ordered.
- Work stations have been designed and a material list has been created.

Forthcoming work to be completed:

- Access control for vehicle and equipment keys
- Installation of:
 - Windows and doors
 - Shelving
 - Work stations

The Facilities and Grounds Operations Division will continue acting as the general contractor for this project. This Project will be completed within the existing budget by June 30, 2020.