



October 29, 2019

Council Meeting of November 4, 2019
Subject: Traffic Control Orders; Speed Limits
on Various Streets

The Honorable Mayor
And
Members of the City Council

Ladies and Gentlemen:

In response to a request to review the speed limits and based on the American Association of State Highway and Transportation Officials (AASHTO) standards and the Michigan Public Acts 445 and 447 of 2016, staff seeks Council consideration of traffic control orders to adjust or validate the speed limits at the following locations:

1. Enterprise Drive, Judson Road to Cul-de-sac – increase from 35 mph to 40 mph
2. Lake Forest Drive, Seminole Road to Cul-de-sac – maintain 25 mph
3. Norton Center Drive, North Gateway Boulevard to South Cul-de-sac – increase from 35 mph to 40 mph

Adoption of the attached resolution will approve traffic control orders for the establishment of speed limits and associated signage changes on the above designated street sections.

Respectfully submitted,

Mark C. Meyers
City Administrator

GAB/sr
Attachment

Administration/City Clerk (231) 798-4391	Assessing Division (231) 799-6806	Building Division (231) 799-6801	Finance/Treasurer (231) 799-6805	Fire Prevention (231) 799-6809	Fire Department (231) 798-2255
Parks/Recreation (231) 799-6802	Planning/Zoning (231) 799-6800	Police Department (231) 733-2691	Public Works (231) 799-6803	Streets Division (231) 798-2156	Water/Sewer (231) 799-6804

RESOLUTION

NOW, THEREFORE, BE IT RESOLVED, Permanent Traffic Control Orders are approved for the designation of speed limits on:

1. Enterprise Drive, Judson Road to Cul-de-sac – increase from 35 mph to 40 mph, based upon an engineering and safety study, pursuant to MCL 257.628
2. Lake Forest Drive, Seminole Road to Cul-de-sac – maintain 25 mph, based upon an engineering and safety study, pursuant to MCL 257.628
3. Norton Center Drive, North Gateway Boulevard to South Cul-de-sac – increase from 35 mph to 40 mph, based upon an engineering and safety study, pursuant to MCL 257.628

At a rescheduled meeting of the City Council of the City of Norton Shores, held at the Norton Shores Branch Library, 705 Seminole Road, on the 4th day of November, 2019, the foregoing resolution was moved for adoption by Council Member. The motion was supported by Council Member.

Ayes:

Nays:

Resolution declared adopted/denied.

Shelly Stibitz, City Clerk



Internal Memo

October 29, 2019

TO: Gerald A. Bartoszek, PE, Director of Public Works
FROM: James R. Murphy, PE, City Engineer 
RE: Enterprise Drive, Judson Road to Cul-de-Sac Speed Study.

In an effort to be compliant with the revised State speed limit law, a traffic study was performed regarding the speed limit along Enterprise Drive from Judson Road to the Cul-de-Sac under Section 257.628.

The completed traffic study of the total 0.4-mile length of Enterprise Drive shows a uniform roadway in an industrial setting. This section of roadway consists of one northbound, one southbound travel lane with stop sign at the north intersection with Judson Road

The overall average 50th percentile speed is 35.5 mph with the 85th percentile speed at 43.4 mph. The majority of the 10-mph pace speed group was found to be between 30-40 mph. The current posted speed limit within the zone of question is 35 mph.

Per the MICHIGAN VEHICLE CODE (Act 300 of 1949) Section 257.628 the posted speed limit along Enterprise Drive between Judson Road and Cul-de-Sac may be increased to 40 mph. This is based on the 85th percentile speed. Therefore, it is my recommendation based on the standard traffic manuals/guides and the speed falling between the 50th and 85th percentile speed that the posted speed be increased to 40 mph between the Judson Road and the Cul-de-Sac.

If this speed is adopted, then the speed limit signage along Enterprise Drive should be adjusted per the new speed limit. Also, the pavement markings should be adjusted to reflect a "No Passing" zone for northbound from the Judson Road to a point 600-feet south.

If you have any questions, please feel free to contact me.

Enterprise Drive Speed Study (South of Judson)

Date: 10/14/2019

Location (@ 7175 Enterprise)	Date	Median Speed	Average Speed	85th Percentile	10 MPH Pace Speed	% Traffic In Pace
Northbound (NB)	9/9/2019	38.1	37.3	45.4	35-45	51.1
NB	9/10/2019	35.7	34.4	43.9	30-40	45.7
NB	9/11/2019	36.0	34.9	43.9	30-40	45.2
NB	9/12/2019	32.5	32.3	41.0	25-35	48.3
Southbound (SB)	9/9/2019	34.5	34.7	42.1	30-40	52.7
SB	9/10/2019	35.9	35.7	43.5	30-40	48.3
SB	9/11/2019	35.7	35.7	43.4	30-40	52.9
SB	9/12/2019	35.7	36.1	43.7	30-40	49.7
	Average	35.5	35.1	43.4		

**SPEED CHANGES @ ENTERPRISE DRIVE
(Judson to Cul-de-Sac)**

NORTH

LEGEND

 Speed Increased

 Speed Maintained

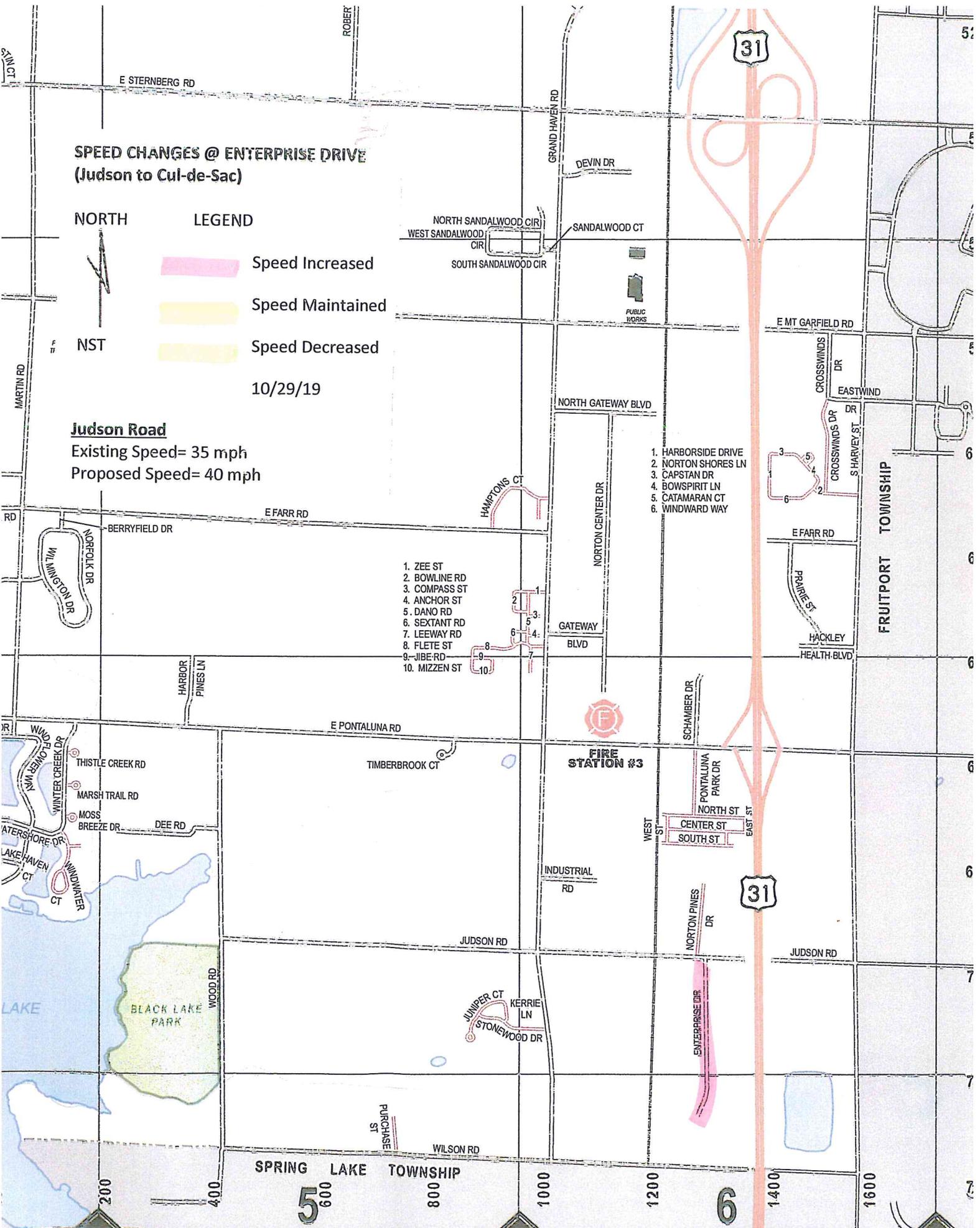
 Speed Decreased

10/29/19

Judson Road

Existing Speed= 35 mph

Proposed Speed= 40 mph



NORTH SANDALWOOD CIR
WEST SANDALWOOD CIR
SOUTH SANDALWOOD CIR
SANDALWOOD CT
PUBLIC WORKS

1. HARBORSIDE DRIVE
2. NORTON SHORES LN
3. CAPSTAN DR
4. BOWSPIRIT LN
5. CATAMARAN CT
6. WINDWARD WAY

1. ZEE ST
2. BOWLINE RD
3. COMPASS ST
4. ANCHOR ST
5. DANO RD
6. SEXTANT RD
7. LEEWAY RD
8. FLETE ST
9. JIBE RD
10. MIZZEN ST

FIRE STATION #3

SPRING LAKE TOWNSHIP

5

800

1000

1200

6

1400

1600

31

31

FRUITPORT TOWNSHIP

5

6

7

8

9

10

11

12

13

14

LANCET

MARTIN RD

RD

DR

DR

CT

LAKE

WOOD RD

200

400

ROBERT

GRAND HAVEN RD

DEVIN DR

WEST SANDALWOOD CIR
SOUTH SANDALWOOD CIR

SANDALWOOD CT

E MT GARFIELD RD

NORTH GATEWAY BLVD

NORTON CENTER DR

GATEWAY BLVD

INDUSTRIAL RD

JUDSON RD

JUNIPER CT
KERRIE LN
STONEWOOD DR

WILSON RD

SCHAMBER DR

PONTALUNA PARK DR

NORTH ST

CENTER ST

SOUTH ST

WEST ST

EAST ST

NORTON PINES DR

ENTERPRISE DR

E MT GARFIELD RD

CROSSWINDS DR

CROSSWINDS DR

S HARVEY ST

EASTWIND DR

E FARR RD

PRAIRIE ST

HACKLEY

HEALTH BLVD

E PONTALUNA RD

PURCHASE ST

WILMINGTON DR
NORFOLK DR

WINDY BAY DR
WINTER CREEK DR
MARSH TRAIL RD
MOSS BREEZE DR
WINDY WATERSHORE DR
LAKE HAVEN CT
WINDY WATERSHORE DR

BLACK LAKE PARK

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Internal Memo

October 29, 2019

TO: Gerald A. Bartoszek, PE, Director of Public Works
FROM: James R. Murphy, PE, City Engineer 
RE: Lake Forest Drive, Seminole Road to Cul-de-Sac Speed Study.

In an effort to be compliant with the revised State speed limit law, a traffic study was performed regarding the speed limit along Lake Forest Drive from Seminole Road to the Cul-de-Sac at Pineway Drive under Section 257.628.

The completed traffic study of the total 0.25-mile length of Lake Forest Drive shows a uniform roadway in a residential setting. This section of Lake Forest Drive consists of one northbound, one southbound travel lane with stop sign and left turn lane at the north intersection with Seminole Road

The overall average 50th percentile speed is 23.4 mph with the 85th percentile speed at 28.5 mph. The 10 mph pace speed group was found to be between 20-30 mph. The current posted speed limit within the zone of question is 25 mph.

Per the MICHIGAN VEHICLE CODE (Act 300 of 1949) Section 257.628 the posted speed limit along Lake Forest Drive between Seminole Road and Cul-de-Sac may remain at 25 mph. This is based on the 85th percentile speed. Therefore, it is my recommendation based on the standard traffic manuals/guides and the speed falling between the 50th and 85th percentile speed that the posted speed remain at 25 mph between the Seminole Road and the Cul-de-Sac.

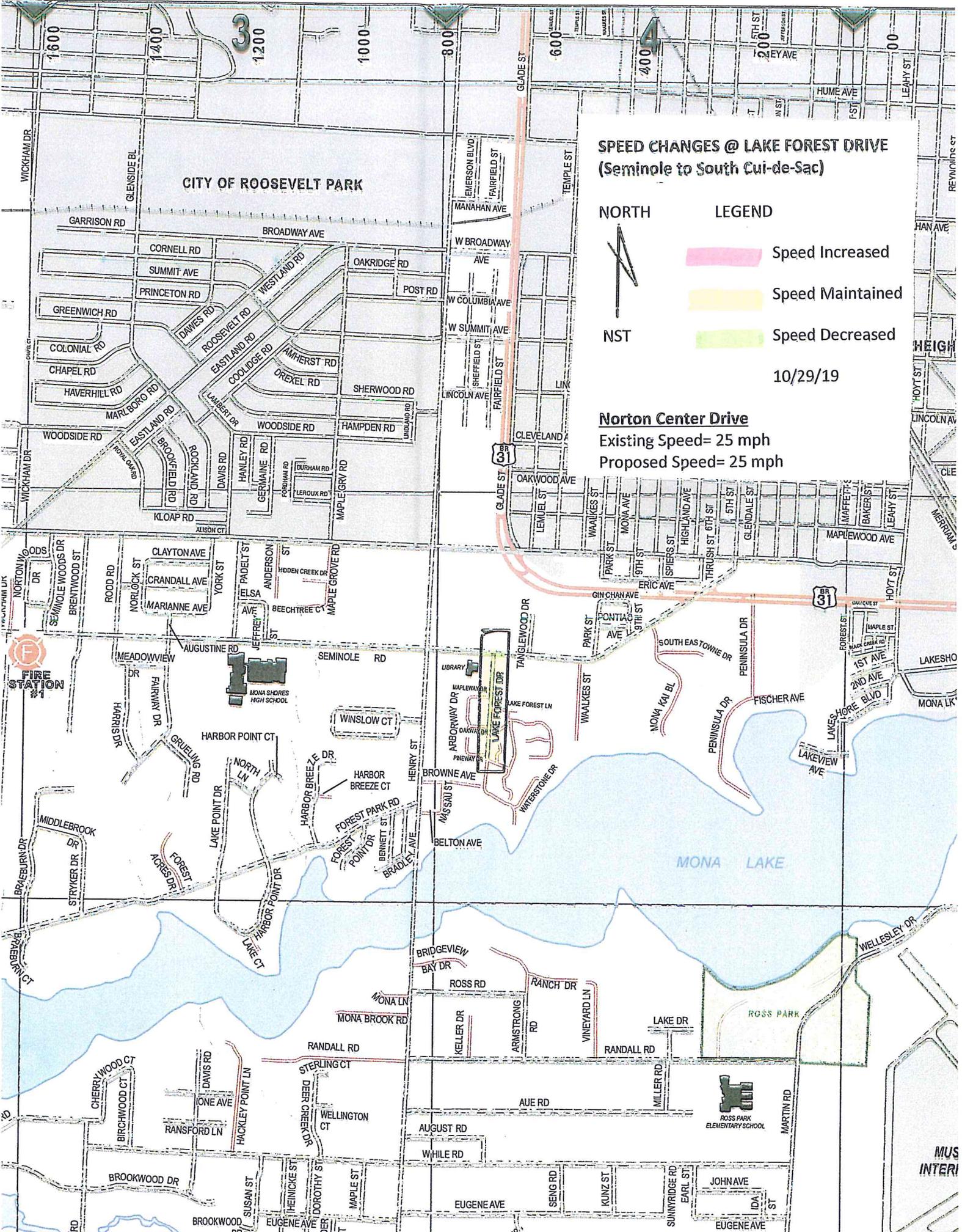
If this speed is adopted, then no changes or adjustments to signage or striping is required.

If you have any questions, please feel free to contact me.

Lake Forest Speed Study (South of Seminole)

Date: 10/14/2019

Location (@ Library)	Date	Median Speed	Average Speed	85th Percentile	10 MPH Pace Speed	% Traffic In Pace
Northbound (NB)	9/9/2019	23.6	23.8	29.0	20-30	68.7
NB	9/10/2019	23.9	24.0	29.2	20-30	67.6
NB	9/11/2019	24.2	24.2	29.2	20-30	70.6
NB	9/12/2019	24.6	24.5	29.2	20-30	74.7
Southbound (SB)	9/9/2019	22.5	22.7	27.8	20-30	69.4
SB	9/10/2019	22.8	22.8	27.8	20-30	72.0
SB	9/11/2019	23.0	23.2	28.0	20-30	73.3
SB	9/12/2019	22.5	22.6	27.8	20-30	67.9
	Average	23.4	23.5	28.5		



**SPEED CHANGES @ LAKE FOREST DRIVE
(Seminole to South Cui-de-Sac)**

NORTH



LEGEND

- Speed Increased
- Speed Maintained
- Speed Decreased

10/29/19

Norton Center Drive
Existing Speed= 25 mph
Proposed Speed= 25 mph

CITY OF ROOSEVELT PARK



MUS INTERI



Internal Memo

October 29, 2019

TO: Gerald A. Bartoszek, PE, Director of Public Works
FROM: James R. Murphy, PE, City Engineer 
RE: Norton Center Drive, North Gateway Blvd. to South Cul-de-Sac Speed Study.

In an effort to be compliant with the revised State speed limit law, a traffic study was performed regarding the speed limit along Norton Center Drive from North Gateway Blvd. to the Cul-de-Sac south of Gateway Blvd. under Section 257.628.

The completed traffic study of the total 0.68-mile length of Norton Center Drive shows a uniform roadway in an industrial setting. This section of roadway consists of one northbound, one southbound travel lane with stop sign at the north intersection with North Gateway Blvd.

The overall average 50th percentile speed is 36.1 mph with the 85th percentile speed at 43.8 mph. The 10-mph pace speed group was split with northbound traffic between 30-40 mph and southbound found to be between 35-45 mph. The current posted speed limit within the zone of question is 35 mph.

Per the MICHIGAN VEHICLE CODE (Act 300 of 1949) Section 257.628 the posted speed limit along Norton Center Drive between North Gateway Blvd. and the south Cul-de-Sac may be increased to 40 mph. This is based on the 85th percentile speed. Therefore, it is my recommendation based on the standard traffic manuals/guides and the speed falling between the 50th and 85th percentile speed that the posted speed be increased to 40 mph between the North Gateway Blvd. and the Cul-de-Sac.

If this speed is adopted, then the speed limit signage along Norton Center Drive should be adjusted per the new speed limit. Also, the pavement markings should be adjusted to reflect a "No Passing" zone for northbound from the North Gateway Blvd. to a point 600-feet south.

If you have any questions, please feel free to contact me.

Norton Center Drive Speed Study

Date: 10/14/2019

Location (@ 6259 Norton Center)	Date	Median Speed	Average Speed	85th Percentile	10 MPH Pace Speed	% Traffic In Pace
Northbound (NB)	9/9/2019	33.4	32.7	41.8	30-40	47.8
NB	9/10/2019	33.1	32.0	39.9	30-40	52.3
NB	9/11/2019	34.4	33.1	41.1	30-40	54.4
NB	9/12/2019	34.5	32.8	41.5	30-40	50.0
Southbound (SB)	9/9/2019	39.6	36.8	47.0	35-45	44.8
SB	9/10/2019	38.8	37.2	47.0	35-45	47.1
SB	9/11/2019	39.0	37.0	47.2	35-45	42.4
SB	9/12/2019	36.2	34.2	44.6	35-45	42.1
Average		36.1	34.9	43.8		

**SPEED CHANGES @ NORTON CENTER DRIVE
(North Gateway to South Cui-de-Sac)**

NORTH

LEGEND



Speed Increased

Speed Maintained

Speed Decreased

10/29/19

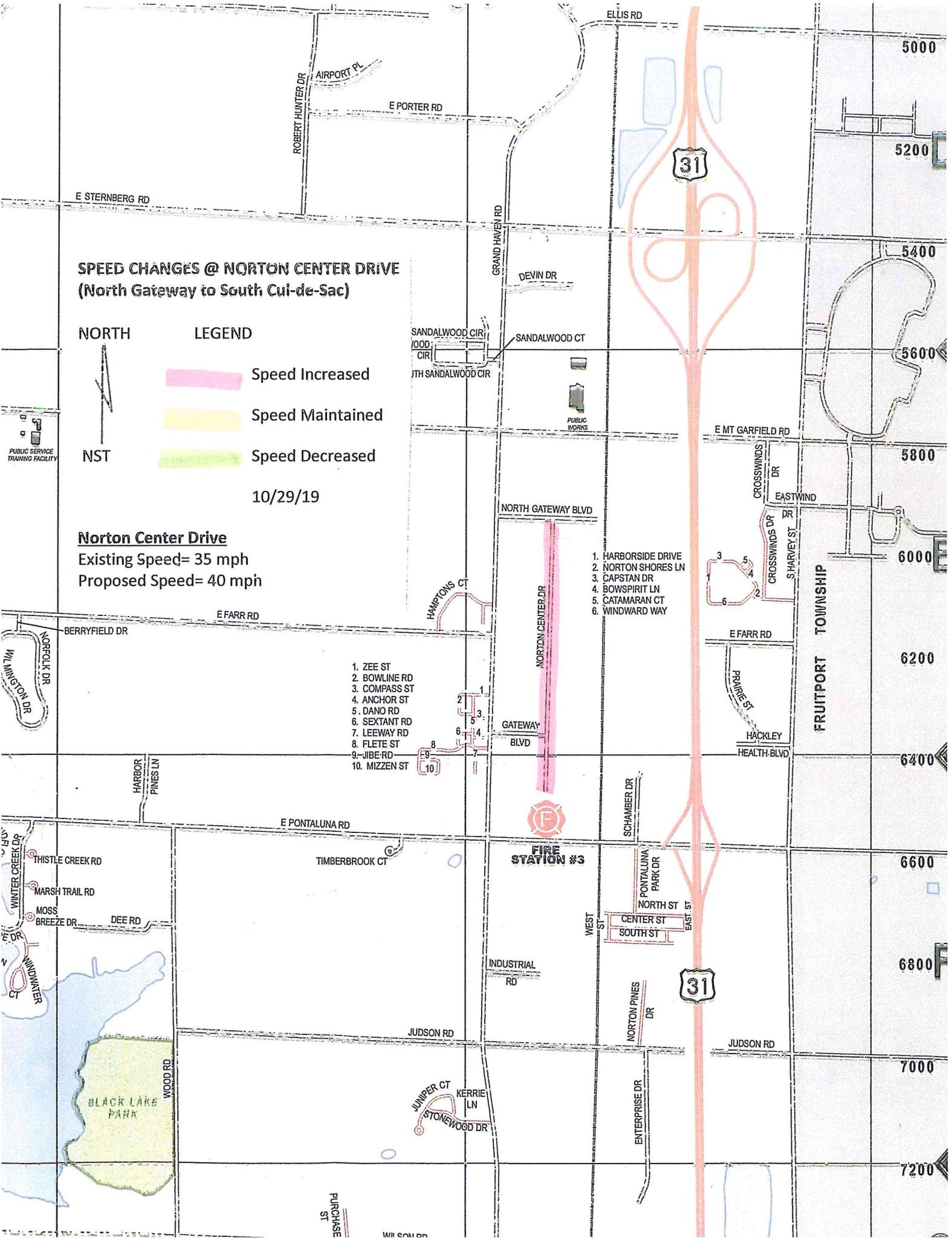
Norton Center Drive

Existing Speed= 35 mph

Proposed Speed= 40 mph

1. HARBORSIDE DRIVE
2. NORTON SHORES LN
3. CAPSTAN DR
4. BOWSPIRIT LN
5. CATAMARAN CT
6. WINDWARD WAY

1. ZEE ST
2. BOWLINE RD
3. COMPASS ST
4. ANCHOR ST
5. DANO RD
6. SEXTANT RD
7. LEEWAY RD
8. FLETE ST
9. JIBE RD
10. MIZZEN ST



PUBLIC SERVICE TRAINING FACILITY

PUBLIC WORKS

FIRE STATION #3

FRUITPORT TOWNSHIP

BLACK LAKE PARK

PURCHASE ST

WILSON DR