

**City of Rochester Hills
Department of Public Services
Traffic Engineering Division**

**Traffic Study Summary
Auburn Rd from Culbertson Ave to Dequindre Rd – Sec 25 & 26**

January 31, 2022

Background

Auburn Road was reconstructed and reconfigured into a two (2) lane roadway with two (2) single lane roundabouts and on-street parking from Culbertson Ave to Dequindre Rd.

The following is a summary of the before and after speed and traffic volume data:

Speed and Volume Data

Proposed Speed Limit: **25 MPH**

Proposed Traffic Control Order (TCO): **No: SL-24-22**

***Temporary TCO currently in place.

Prior Speed Limit: **40 MPH**

The results of the speed studies are as follows for the 2021 Study:

Oct 2021

Volume

East of Emmons Ave

EB - 4543 AADT

WB - 4360 AADT

8903 AADT (Bi-directional)

West of Eastern Ave

EB - 4852 AADT

WB - 4131 AADT

9004 AADT (Bi-directional)

East of Melvin Ave

EB - 4076 AADT

WB - 3961 AADT

8037 AADT (Bi-directional)

Average between the 3 counts = **8648 AADT**

85th Percentile Speeds

East of Emmons Ave

EB - 29 MPH

WB - 31 MPH

West of Eastern Ave - (Between the 2 roundabouts)

EB - 23 MPH

WB - 26 MPH

East of Melvin Ave

EB - 27 MPH

WB - 31 MPH

Oct 2016

Volume

West of Gerald Ave

EB - 6967 AADT

WB - 6692 AADT

13,929 Average Average Daily Traffic (AADT) (Bi-directional)

85th Percentile Speeds

EB - 46 MPH

WB - 43 MPH

Conclusion / Recommendations

Based on the results of said traffic study, it is recommended to establish a speed limit of **25 mph** for Auburn Rd from Culbertson Ave to Dequindre Rd.

Action Requested

Request the Advisory Traffic and Safety Board (ATSB) to support having the TCO No: **SL-24-22** issued and that the ATSB recommend that the City Council approve this TCO until it rescinded or superseded.

Paul G. Shumejko, MBA, M.S., P.E., PTOE, Transportation Eng. Mgr; DPS

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