

**CITY OF ROCHESTER HILLS
DEPARTMENT OF PUBLIC SERVICES**

April 4, 2016

Location: Hamlin Road - Adams Road to Dequindre Road

Type of Study: Regulatory Traffic Control - Speed Limit

Background

A traffic study was performed along Hamlin Road to determine the warranted speed limit, as established by Michigan Manual Uniform Traffic Control Devices (M.M.U.T.C.D) and accepted traffic engineering principles. The ATSB has requested that staff initiate this study upon the recent completion of the Hamlin Road improvements.

Hamlin Road is designated as an Urban Minor Arterial road. Traffic speed counts were obtained from March 15-18, 2016 to identify the 85th percentile speed. The results of the traffic speed study are summarized below and are attached for your reference.

<u>Traffic Count</u>	<u>Location</u>	<u>Direction</u>	<u>ADT # of Vehicles</u>	<u>85th % Speed (MPH)</u>
1	Adams Rd to Crooks Rd	EB	4977	53
		WB	4011	48
		EB/WB	8988	<u>50.8</u>
2	Crooks Rd to Livernois Rd	EB	9669	49
		WB	8473	49
		EB/WB	18142	<u>49.0</u>
3	Livernois Rd to Rochester Rd	EB	6948	45
		WB	6256	46
		EB/WB	13204	<u>45.5</u>
4	Rochester Rd to John R	EB	5732	46
		WB	4920	48
		EB/WB	10652	<u>46.9</u>
5	John R to Dequindre Rd	EB	5353	51
		WB	4477	50
		EB/WB	9830	<u>50.5</u>

The calculated pro rata 85th % speed between the 2 directions is bolded and underlined.

Traffic crash data was obtained from the Traffic Improvement Association's website for the period of January 1, 2013 through present. The data is summarized below and is attached for reference.

Segment #	Location	Total # Crashes	Deer	Weather (Ice, Snow, Wet)
1	Adams Rd to Crooks Rd	43	10	14
2	Crooks Rd to Livernois Rd	45	9	14
3	Livernois Rd to Rochester Rd	58	2	15
4	Rochester Rd to John R	40	2	6
5	John R to Dequindre Rd	17	4	5

Based on the results of said traffic study, it is recommended to establish a consistent speed limit of **45 mph** for Hamlin Road. A further study may be warranted at such time that Hamlin Road from the City limit to Adams Road is transferred from the Road Commission for Oakland County to the City.

Since current state law limits the school zone reduced speed zone to a maximum reduction of 15 MPH, the existing school speed zone signs near Hamlin Elementary will need to be reprogrammed from 25 MPH to 30 MPH. Staff will contact the Rochester Community Schools (RCS) regarding this revision. Also, staff recommends implementing the revised Hamlin Road speed limit after school lets out in June in order to maintain consistency for the remainder of the school year.

Finally, staff will conduct a ball bank study along the Hamlin Road curve near Crooks Road to determine if warning speed plaques are recommended.

Action Requested

Request the Advisory Traffic and Safety Board (ATSB) to support having the TCO No. **SL-20-16** issued and that the ATSB recommend that the City Council approve this TCO until it rescinded or superseded.

Paul G. Shumejko, P.E., PTOE Transportation Engineer
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