



CITY OF NOVI CITY COUNCIL
MARCH 2, 2020

SUBJECT: Approval of (1) Traffic Control Order 20-01 for the implementation of a 25 MPH school speed limit on Wixom Road from 1,000 feet south of Eleven Mile to 1,000 feet north of the northern property line of the Novi Community Schools District parcel on school days only during the periods of 7:15 AM to 9:15 AM and 2:30 PM to 4:15 PM and, (2) Traffic Control Order 20-02 for the implementation of a 25 MPH school speed limit on Eleven Mile Road from Wixom Road to 1,000 feet east of the eastern property line of the Novi Community Schools District parcel on school days only during the periods of 7:15 AM to 9:15 AM and 2:30 PM to 4:15 PM.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

BACKGROUND INFORMATION: The Novi Community School District formally requested a reduction of the speed limit along Wixom Road in the area of Deerfield Elementary and along Eleven Mile Road in the area of Novi Middle School during school pickup and dropoff times. Staff has reviewed this request and has consulted with AECOM, the City's traffic engineering consultant. City staff and AECOM have no objection to the implementation of a school speed zone in these two areas (see Patricia Thompson's letter dated January 31, 2020). Therefore, a school speed limit of 25 mph is proposed along the Wixom Road frontage of Deerfield Elementary and along the Eleven Mile frontage of Novi Middle School. The posted speed limit on Wixom Road and Eleven Mile Road is currently 35 mph and 30 mph, respectively. Since the two schools can be accessed from both Wixom Road and Eleven Mile Road, the speed limit zone times will span the pickup and dropoff times for both schools. The speed limit zone will extend 1,000 feet beyond the school's property limits, the maximum allowed by state law. Refer to the enclosed figure for the limits of the proposed school speed limit zone and the affected times.

The Uniform Traffic Code requires that traffic control orders, as issued by the traffic engineer and approved by the City Council, be on file for the enforcement of traffic control signs. Traffic Control Orders 20-01 and 20-02 would be issued for these school speed limit zones, and the new speed limit signs would meet the federal retroreflectivity requirements.

RECOMMENDED ACTION: Approval of (1) Traffic Control Order 20-01 for the implementation of a 25 MPH school speed limit on Wixom Road from 1,000 feet south of Eleven Mile to 1,000 feet north of the northern property line of the Novi Community Schools District parcel on school days only during the periods of 7:15 AM to 9:15 AM and 2:30 PM to 4:15 PM and, (2) Traffic Control Order 20-02 for the implementation of a 25 MPH school speed limit on Eleven Mile Road from Wixom Road to 1,000 feet east of the eastern property line of the Novi Community Schools District parcel on school days only during the periods of 7:15 AM to 9:15 AM and 2:30 PM to 4:15 PM.

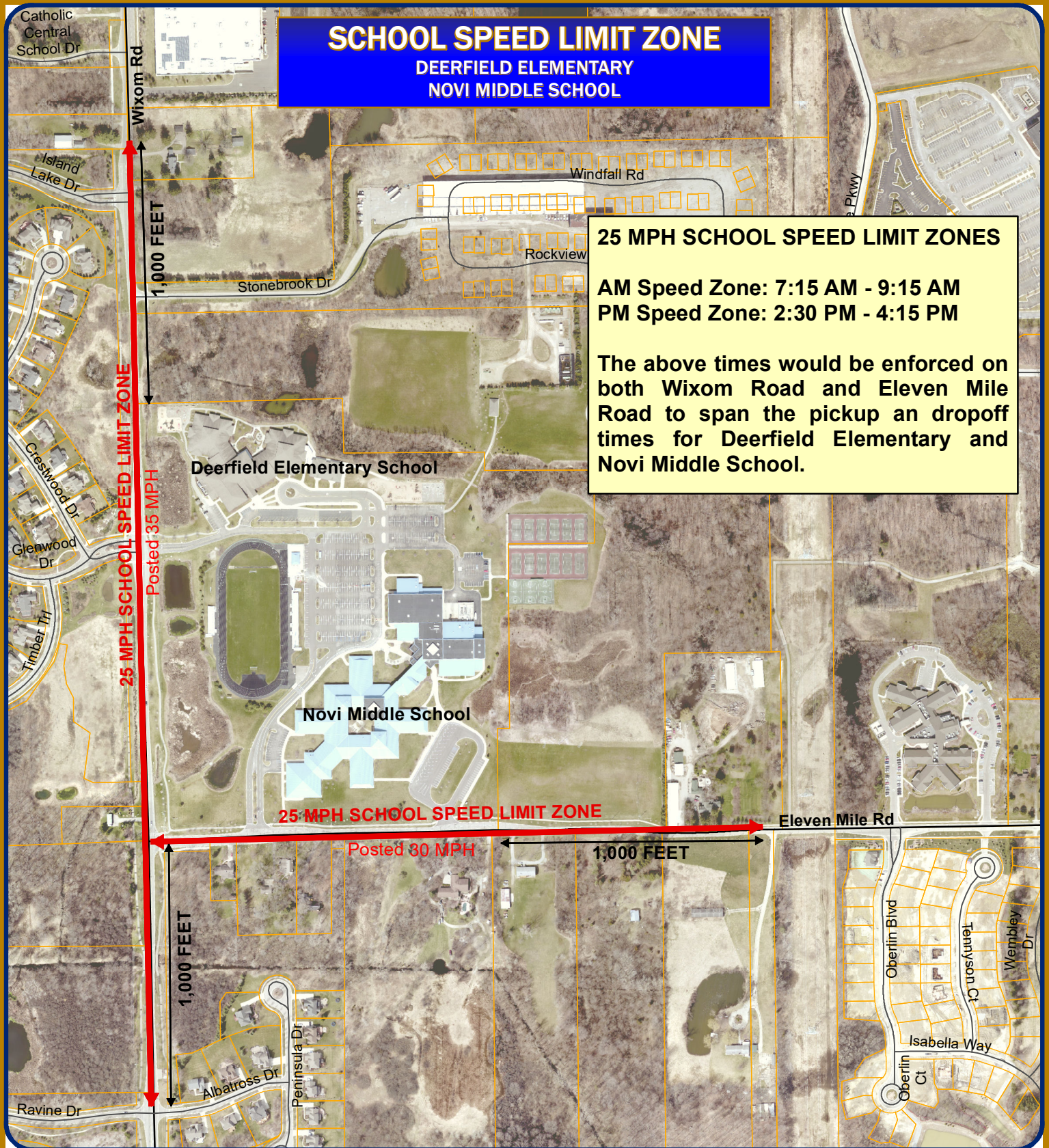
SCHOOL SPEED LIMIT ZONE

DEERFIELD ELEMENTARY
NOVI MIDDLE SCHOOL

25 MPH SCHOOL SPEED LIMIT ZONES

AM Speed Zone: 7:15 AM - 9:15 AM
PM Speed Zone: 2:30 PM - 4:15 PM

The above times would be enforced on both Wixom Road and Eleven Mile Road to span the pickup and dropoff times for Deerfield Elementary and Novi Middle School.



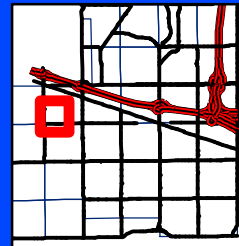
Map Author: Croy
Date: 2/20/19
Project: TCO 20-01 & 20-02
Version #: v1.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

Map Legend

 School Speed Zone



City of Novi

Engineering Division
Department of Public Works
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org



1 inch = 500 feet



**CITY OF NOVI
TRAFFIC CONTROL ORDER**

 X SPEED
 PARKING
 OTHER

DATE OF ORDER: February 27, 2020

CONTROL NUMBER: 20-01


PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BEN CROY, CITY ENGINEER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

WIXOM ROAD

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE SPEED LIMIT SIGN(S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGN(S) TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

SCHOOL SPEED LIMIT OF 25 MPH ON WIXOM ROAD FROM 1,000 FEET SOUTH OF ELEVEN MILE ROAD TO 1,000 FEET NORTH OF THE NORTHERN PROPERTY LINE OF THE NOVI COMMUNITY SCHOOLS DISTRICT PARCEL ON SCHOOL DAYS ONLY DURING THE PERIOD OF 7:15 AM TO 9:15 AM AND 2:30 PM TO 4:15 PM.



Ben Croy, PE - Traffic Engineer
Dated: February 27, 2020

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 20-01 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

SCHOOL SPEED LIMIT OF 25 MPH ON WIXOM ROAD FROM 1,000 FEET SOUTH OF ELEVEN MILE ROAD TO 1,000 FEET NORTH OF THE NORTHERN PROPERTY LINE OF THE NOVI COMMUNITY SCHOOLS DISTRICT PARCEL ON SCHOOL DAYS ONLY DURING THE PERIOD OF 7:15 AM TO 9:15 AM AND 2:30 PM TO 4:15 PM.

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 3/2/2020.

By: _____
Robert J. Gatt, Mayor

By: _____
Cortney Hanson, City Clerk

**CITY OF NOVI
TRAFFIC CONTROL ORDER**

 X SPEED
 PARKING
 OTHER

DATE OF ORDER: February 27, 2020

CONTROL NUMBER: 20-02

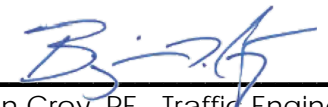
PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BEN CROY, CITY ENGINEER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33-51 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

ELEVEN MILE ROAD

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE SPEED LIMIT SIGN(S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33-51 OF THE AFORESAID CHAPTER, SAID SIGN(S) TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

SCHOOL SPEED LIMIT OF 25 MPH ON ELEVEN MILE ROAD FROM WIXOM ROAD TO 1,000 FEET EAST OF THE EASTERN PROPERTY LINE OF THE NOVI COMMUNITY SCHOOLS DISTRICT PARCEL ON SCHOOL DAYS ONLY DURING THE PERIOD OF 7:15 AM TO 9:15 AM AND 2:30 PM TO 4:15 PM.



Ben Croy, PE - Traffic Engineer
Dated: February 27, 2020

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 20-02 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEROF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

SCHOOL SPEED LIMIT OF 25 MPH ON ELEVEN MILE ROAD FROM WIXOM ROAD TO 1,000 FEET EAST OF THE EASTERN PROPERTY LINE OF THE NOVI COMMUNITY SCHOOLS DISTRICT PARCEL ON SCHOOL DAYS ONLY DURING THE PERIOD OF 7:15 AM TO 9:15 AM AND 2:30 PM TO 4:15 PM.

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 3/2/2020.

By: _____
Robert J. Gatt, Mayor

By: _____
Cortney Hanson, City Clerk



Educational Services Building

25345 Taft Road, Novi, Michigan 48374
(248) 449-1204 • Fax (248) 449-1219

November 4, 2019

Mr. Peter Auger, City Manager
City of Novi
45175 Ten Mile Road
Novi, MI 48375

Dr. Mr. Auger,

It has come to my attention that to request a change in the speed limit around a school, the city needs a letter from the Superintendent.

I would like to formally request that the speed limit on Wixom Rd and on 11 Mile Road around the Novi Middle School and Deerfield Elementary be revised. Currently, the speed limit on Wixom is 35 MPH and the 11 Mile Rd. speed limit is 30.

I am requesting that during school drop off and pick up times that the speed limit be reduced to 25 MPH or an appropriate school zone speed.

The middle school drop off time would be 7:15 - 7:45 AM and their pick up time would be 2:30 - 3:00 PM.

Deerfield drop-off would be 8:45 - 9:15 AM and pick up would be 3:45 - 4:15 PM.

Thank you for your consideration.

Respectfully,

A handwritten signature in black ink, appearing to read "Steve M. Matthews".

--

Steve M. Matthews, Ed.D.
Superintendent
Novi Community School District

Students who are passionate, empowered, and prepared for their world and their future.

Dr. Steve M. Matthews, Superintendent of Schools • steven.matthews@novik12.org
<https://www.novi.k12.mi.us/>

Project name:
Novi School Zones

From:
AECOM

Date:
January 31, 2020

To:
Ben Croy, PE
City of Novi
26300 Lee BeGole Drive
Novi, Michigan 48375

CC:
Barbara McBeth, Kate Richardson, Victor Boron

Memo

Subject: Novi School Zones

Novi Public Schools has requested the implementation of a school speed limit zone near Deerfield Elementary School and Novi Middle School during drop off and pick up times. The City has asked AECOM, in its role as the City Traffic consultant, to provide additional information and guidance regarding the establishment of school speed limit zones and the signage to identify such a zone. The following information serves that purpose.

MDOT guidelines suggest school safety programs focus on elementary and pre-elementary students. School speed limits are typically used in areas where vehicular speeds are higher. However, lowering speeds can alleviate other deficiencies in the safety of the school areas as well, by increasing gap time and reducing the required sight distance for a vehicle to stop.

The implementation of a school speed limit requires only the written request of the school superintendent. In this case, the Novi Public Schools superintendent has made this request. The speed limit may be lowered by up to 20 mph below the roadway's normal speed limit, but the speed may not be posted below 25 mph. The reductions are only permitted from up to 30 minutes before the school commences to the beginning of the day and from dismissal up to 30 minutes past dismissal. The total speed reduction utilized should be suitable to the normal posted speed as well as the age of the children attending the school. The currently proposed speed limit changes of 35 mph to 25 mph and 30 mph to 25 mph both are appropriate for the situations proposed.

The signs to be used are outlined in the MMUTCD. For Speed Limit (School Use), a R2-1 sign is designated to be used with a School plaque (S4-3P, 24" by 8"). The conventional road size of the sign is 24" by 30". The plaque with the times the school speed limit is valid is designated as S4-1P and has a conventional size of 24" by 10". It may also be accompanied by a Monday through Friday plaque, designated S4-6P with a conventional size of 24" by 10". An End School Speed Limit sign should be included where the limits of the school speed limit area are (S5-3, 24" by 30").

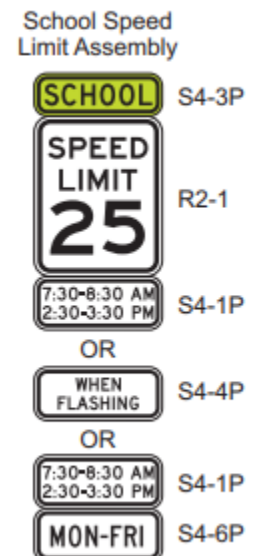


Figure 1. Excerpt from MMUTCD Figure 7B-1 School Area Signs

Figure 7B-3. Example of Signing for a Higher Fines School Zone with a School Speed Limit

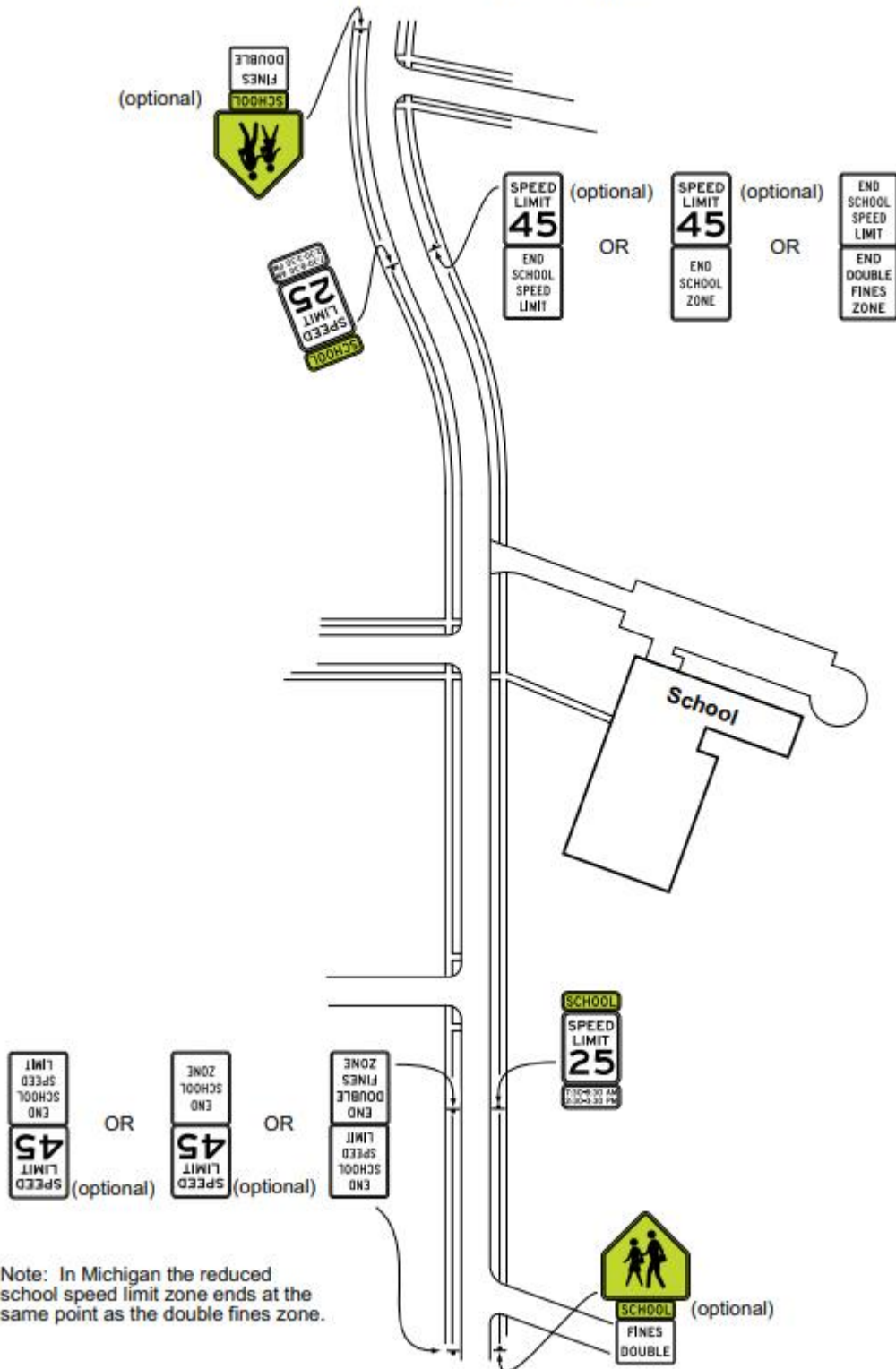


Figure 2. MMUTCD Figure 7B-3

Memo

The reduced school speed limit zone should begin at least 200 feet in advance of the school grounds, a school crossing, or other school related activities, based on guidance in the MMUTCD. School Zones may not extend more than 1000 feet from the school property lines, as stated in Michigan House Bill No. 4424. When planning the limits of the reduced speed area, care should be taken to identify key crossings for students and ensure that those crossings are within the school speed limit area.

Reduced School Speed Limit Ahead (S4-5, S4-5a) signs are only required when the speed limit is to be reduced by more than 10 mph. In the case of the proposed reductions (35 mph to 25 mph and 30 mph to 25 mph), AECOM would not recommend the addition of a S4-5 or S4-5a sign.

In response to the City's request of additional information regarding school zone speed limits and the implementation thereof, AECOM presents this information and would support the establishment of the speed zones as suggested. The middle school students, while older than elementary students, would still benefit from increased driver attentiveness and slower moving vehicles to safely navigate around the school area during ingress and egress periods. The residential nature of the area surrounding the schools results in significant pedestrian traffic to the school from the adjacent neighborhoods. Lastly, while there are signage only options available to indicate the school speed limit zone, we recommending the utilization of the flashing beacon signage. The light allows for an increased indication of when the speed limit for the school zone is being enforced.

Please let us know if you have any further questions regarding this.

Sincerely,

AECOM



Patricia Thompson, EIT
Traffic Engineer



Josh A. Bocks, AICP, MBA
Senior Transportation Planner/Project Manager