



**2009 MUTCD
PART 7 – TRAFFIC CONTROL
FOR SCHOOL AREAS**



SCOPE

...Sets forth Basic Principles and Prescribes Standards that Shall be Followed in the Design, Application, Installation, and Maintenance of all Traffic Control Devices (including Signs, Signals, and Markings) and other Controls (including Adult Crossing Guards) Required for the Special Pedestrian Conditions in School Areas

NEED

- **Pedestrian Safety Depends Upon Public Understanding of Accepted Methods of Efficient Traffic Control**
- **Procedures and Devices that are not Uniform might Cause Confusion among Pedestrians and Other Road Users, Prompt Wrong Decisions, and Contribute to Crashes**

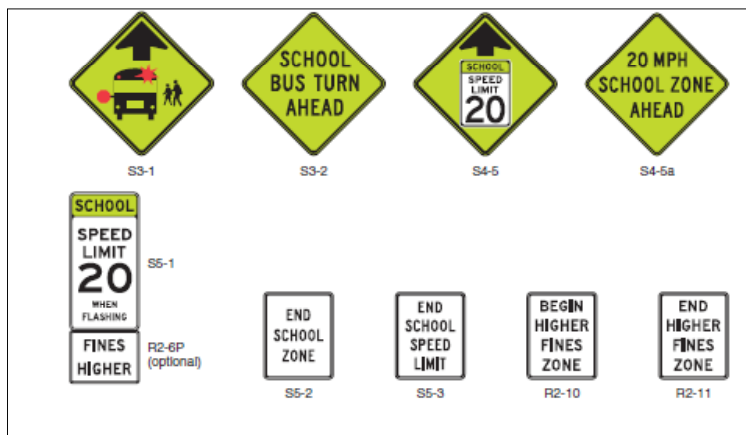
CONTENT SUMMARY

- **School-Related Signs**
- **Sign Size (Section 2A.11 and Table 7B-1), Illumination/Reflectorization, Position, Height, Installation, Lettering, and Color**
- **Markings (Word, Symbol, and Arrow Markings)**
- **Crossing Supervision (Adult Crossing Guard Qualifications, Uniform, and Operating Procedures)**

SOME SCHOOL RELATED SIGNS

- School Sign (S1-1) and Plaques
- Higher Fines Zone Signs (R2-10 & 11) and Plaques
- School Bus Stop Ahead Sign (S3-1) and School Bus Turn Ahead Sign (S3-2)
- School Speed Limit Assembly (S4-1P to S4-4P, S4-6P, S5-1) and End School Speed Limit Sign (S5-3)
- Reduced School Speed Limit Ahead Sign (S4-5 and S4-5a)
- Parking and Stopping Signs (R7 & R8 Series)

SIGN EXAMPLES



MORE SIGN EXAMPLES

- ...Shall have a Fluorescent Yellow-Green Background with Black Legend and Border unless Otherwise Provided in this Manual...

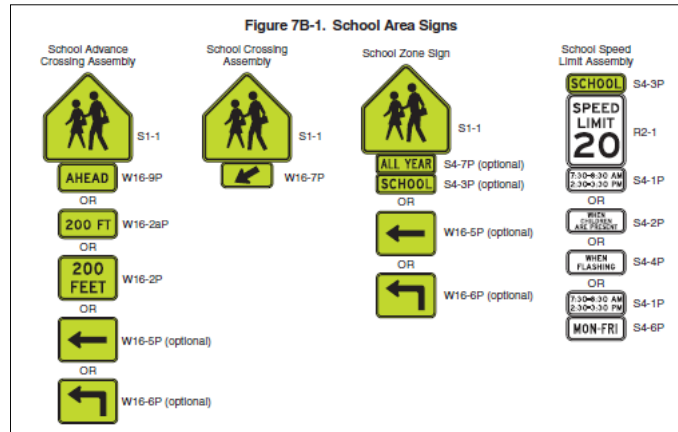


Table 7B-1. School Area Sign and Plaque Sizes

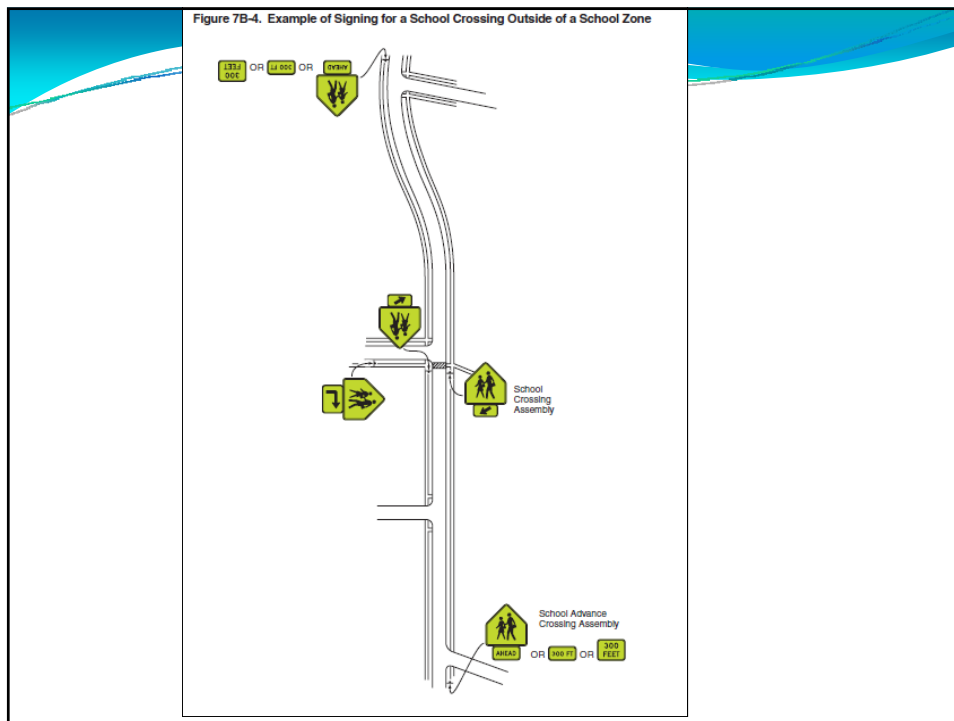
Sign	Sign Designation	Section	Conventional Road	Minimum	Oversized
School	S1-1	7B.08	36 x 36	30 x 30	48 x 48
School Bus Stop Ahead	S3-1	7B.13	36 x 36	30 x 30	48 x 48
School Bus Turn Ahead	S3-2	7B.14	36 x 36	30 x 30	48 x 48
Reduced School Speed Limit Ahead	S4-5, S4-5a	7B.16	36 x 36	30 x 30	48 x 48
School Speed Limit XX When Flashing	S5-1	7B.15	24 x 48	—	36 x 72
End School Zone	S5-2	7B.09	24 x 30	—	36 x 48
End School Speed Limit	S5-3	7B.15	24 x 30	—	36 x 48
In-Street Ped Crossing	R1-6, R1-6a, R1-6b, R1-6c	7B.11, 7B.12	12 x 36	—	—
Speed Limit (School Use)	R2-1	7B.15	24 x 30	—	36 x 48
Begin Higher Fines Zone	R2-10	7B.10	24 x 30	—	36 x 48
End Higher Fines Zone	R2-11	7B.10	24 x 30	—	36 x 48

Plaque	Sign Designation	Section	Conventional Road	Minimum	Oversized
XXX to XXX AM X:XX to X:XX PM	S4-1P	7B.15	24 x 10	—	36 x 18
When Children Are Present	S4-2P	7B.15	24 x 10	—	36 x 18
School	S4-3P	7B.09, 7B.15	24 x 8	—	36 x 12
When Flashing	S4-4P	7B.15	24 x 10	—	36 x 18
Mon-Fri	S4-6P	7B.15	24 x 10	—	36 x 18
All Year	S4-7P	7B.09	24 x 12	—	30 x 18
Fines Higher	R2-6P	7B.10	24 x 18	—	36 x 24
XX Feet	W16-2P	7B.08	24 x 18	—	30 x 24
XX Ft	W16-2aP	7B.08	24 x 12	—	30 x 18
Turn Arrow	W16-5P	7B.06, 7B.09, 7B.11	24 x 12	—	30 x 18
Advance Turn Arrow	W16-6P	7B.06, 7B.09, 7B.11	24 x 12	—	30 x 18
Diagonal Arrow	W16-7P	7B.12	24 x 12	—	30 x 18
Diagonal Arrow (optional size)	W16-7P	7B.12	21 x 15	—	—
Ahead	W16-9P	7B.11	24 x 12	—	30 x 18

Note: 1. Larger sizes may be used when appropriate.
 2. Dimensions are shown in inches and are shown as width x height.
 3. Minimum sign sizes for multi-lane conventional roads shall be as shown in the Conventional Road column.

...AND ASSEMBLY STANDARD STATEMENTS (2 of 2)

- Except as Noted, School Advance Crossing Assembly **Shall** be Used in Advance (See Table 2C-4) of the First School Crossing Assembly that is Encountered in Each Direction of Traffic
 - School Advance Crossing Assembly may be Omitted where a School Zone Sign is Installed to Identify the Beginning of the School Zone in Advance of the School Crossing Assembly
- If Used, the School Crossing Assembly **Shall** be Installed at the School Crossing, or as Close as Possible, and **Shall** Consist of a School Sign Supplemented with a Diagonal Downward Arrow
 - **Shall** not be Used at Crossings Other than those Adjacent to Schools or Those on Established School Pedestrian Routes
 - **Shall** not be Installed on Approaches Controlled by a Stop or Yield Sign



CROSSING SUPERVISION INFO

- **Three Types**
 - Adult Crossing Guards,
 - Uniformed Police Officers, and
 - Student/Parent Patrols
- **Law Enforcement Officers and Adult Crossing Guards Shall Wear Class 2 Safety Apparel**
- **Adult Crossing Guards:**
 - Shall not Direct Traffic (in the Law Enforcement Sense),
 - Shall Pick Opportune Times to Create a Sufficient Gap in Traffic Flow,
 - Shall Stand in Roadway and Stop Traffic
 - Shall use a Stop Paddle (See 7D.05 for Paddle Specifics)

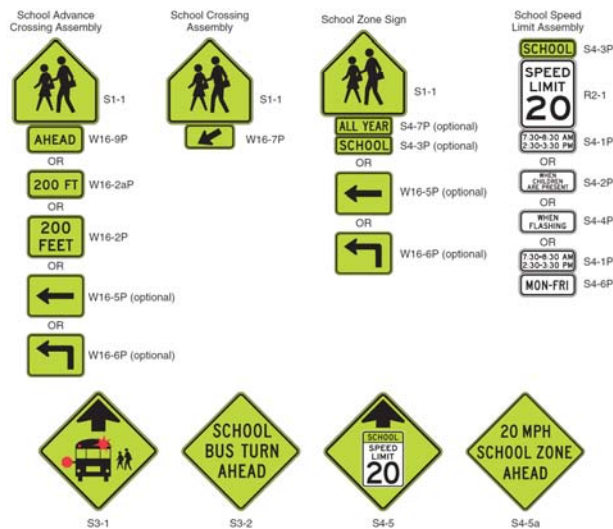


PART 7 – TRAFFIC CONTROL FOR SCHOOL AREAS REVISIONS (A Sample)

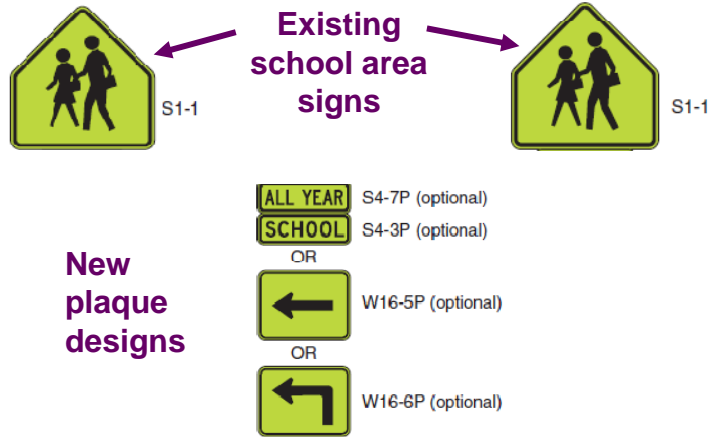
Section 7B.01 – Use of Minimum Size of School Signs

**Application of the Minimum Sizes only
Where Traffic Volumes are Low and
Speeds are 30 mph or Lower**

Section 7B.07 - FYG Color Required for All School Warning Signs*



Section 7B.09 - New Plaques for School Area Signing



Section 7B.13 - New Symbol Sign to Replace the S3-1 Word Message Sign*



Section 7B.14 - New Sign to Warn of School Bus Turnaround Locations



S3-2

Section 7B.09/11 - Warning of School Zone in Close Proximity to an Intersection*



S1-1

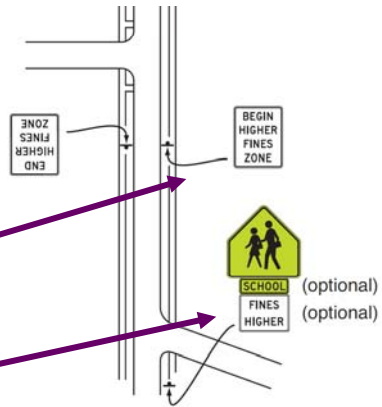


W16-6P

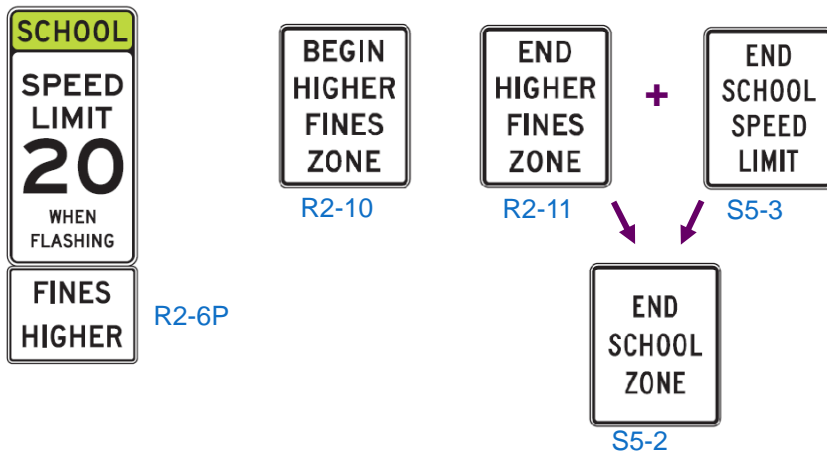


Figure 7B-2. New Figure Illustrating Higher Fines School Zone Without a School Crossing

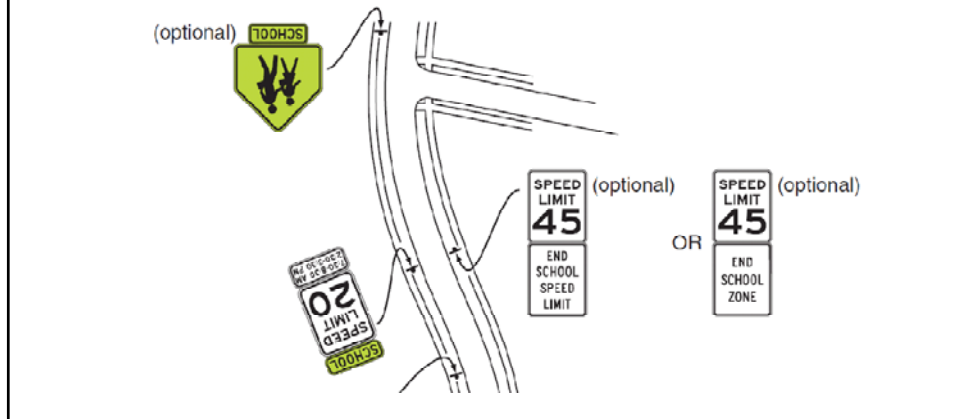
Flexibility to Post as a **BEGIN HIGHER FINES ZONE** Sign or as a Plaque Below the School Zone Sign



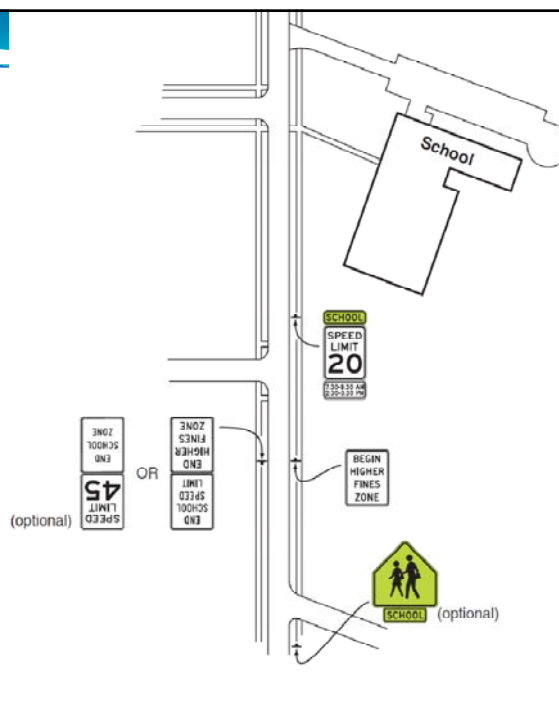
Section 7B. 10 - New Signs for Higher Fines School Zones*



Section 7B.15 - END SCHOOL SPEED LIMIT or END SCHOOL ZONE Sign Required at End of Reduced School Speed Limit Zone



**Figure 7B-3.
New Figure
Illustrating
Higher Fines
School Zone
with a School
Speed Limit**



STATE LAW
YIELD
TO
[Schoolchildren Symbol]
WITHIN CROSSWALK
R1-6b

OR

STATE LAW
STOP
FOR
[Schoolchildren Symbol]
WITHIN CROSSWALK
R1-6c

Section 7B. 12 - Schoolchildren Symbol may be Used on In-Street Signs at School Crossings*

STATE LAW
[Schoolchildren Symbol] STOP FOR PEDESTRIANS [Schoolchildren Symbol]

STATE LAW
[Schoolchildren Symbol] YIELD TO PEDESTRIANS [Schoolchildren Symbol]

Section 7B. 12 - Overhead Pedestrian Crossing Signs with Schoolchildren Symbols May be used at Unsignalized School Crossings

Section 7D.05 - Operating Procedures for Adult Crossing Guards Changed from Recommended to Required

- **Shall Not Direct Traffic in the Usual Law Enforcement Regulatory Sense**
- **Shall pick Opportune Times to Create a Sufficient Gap in Traffic Flow**
- **Shall Stand in Roadway**
- **Shall Use a STOP Paddle**

Section 7D.04 - Adult School Crossing Guards and Law Enforcement Personnel Performing School Crossing Supervision must Wear Class 2 High-Visibility Apparel*

Compliance Date December 31, 2011



CONCLUSIONS

- Use of FYG Required
- Some New Signs and Some Altered
- Restricted Use of Minimum Size School Signs
- New Requirements for Adult School Crossing Guards

COMPLIANCE DATES

7B.11	School Advance Crossing Assembly	Use of AHEAD (W16-9P) plaque or distance plaque (W16-2P or W16-2aP) (2000 MUTCD Section 7D.00)	January 17, 2011 (a)
7B.12	School Crossing Assembly	Elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow (W16-7P) supplemental plaque (2000 MUTCD Sections 7B.03 and 7B.09)	January 17, 2011 (a)
7B.16	Reduced School Speed Limit Ahead Sign (S4-5, S4-5a)	Removal of R2-5 Series Reduced Speed Ahead signs and use of S4-5 or S4-5a warning signs instead (2003 MUTCD Section 7B.12)	December 22, 2018 (b)
7D.04	Uniform of Adult Crossing Guards	New requirement in the 2009 MUTCD for high-visibility apparel for adult crossing guards	December 31, 2011



QUESTIONS?