Queensland Manual of Uniform Traffic Control Devices

Part 4: Speed controls

July 2025



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Feedback

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About this document

This document specifies the principles and requirements for the installation of signs for speed control. For guidance on the determination of speed limits, refer to the <u>Queensland Road Safety Technical</u> User Volumes: Guide to Speed Management.

How to use this document

This document is designed to be read and applied together with AS 1742.4-2020 *Manual of Uniform Traffic Control Devices Part 4* (AS 1742.4-2020). You must have access to the Australian Standard to understand what applies in Queensland.

This document:

- sets out how AS 1742.4-2020 applies in Queensland.
- has precedence over AS 1742.4-2020 when applied in Queensland.
- has the same section and clause numbering and headings as AS 1742.4-2020.

The following table summarises the relationship between AS 1742.4-2020 and this document.

Applicability	Meaning		
Accepted	The Australian Standard section or clause is accepted.		
Accepted, with amendments	Part or all of the section or clause has been accepted with additions, deletions or differences.		
New	There is no equivalent section or clause in the Australian Standard.		
Not accepted	ccepted The Australian Standard section or clause is not accepted.		

References

The following references apply when reading AS 1742.4-2020.

Reference to	Means	
	AS 1742.4-2020, as amended by this document. For example, a reference to AS 1742.4-2020 means you must refer to the Australian Standard Part 4, and Part 4 of the Queensland Manual of Uniform Traffic Control Devices (Queensland MUTCD).	
AS 1742.4-2020	Throughout AS 1742.4-2020, references are made to other parts of the Australian Standards (for example, when reading Part 4, you may be referred to Part 3 for further information.) In this case, you must refer to the equivalent Part within the Queensland MUTCD first. Check the applicability of the equivalent Part in the Queensland MUTCD before referring to the referenced Australian Standard Part.	
QGSM	Queensland Guide to Smart Motorways.	
QRSTUV: GSM	Queensland Road Safety Technical User Volumes: Guide to Speed Management.	
Queensland (Q) series / Traffic Control (TC) signs	The TC signs are a collection of non-standard traffic control (TC) signs that have been 'officially approved' as required by the <i>Transport Operations (Road Use Management) Act 1995.</i> Included in this register are the MUTCD Q-series signs.	

Relationship table

	Preface		
	Preface		Accepted
	Introduct	ion	Accepted, with amendments
1	Scope an	d general	
	1.1	Scope	Accepted
	1.2	Normative references	Accepted
	1.3	Terms and definitions	
	1.3.1	Expressway type road	Accepted
	1.3.2	Local area	Accepted
	1.3.3	Local street	Accepted
	1.3.4	May	Accepted
	1.3.5	Shall	Accepted
	1.3.6	Should	Accepted
	1.3.7	Speed limit	Accepted
	1.3.8	Speed zone	Accepted
	1.3.9	Traffic control device	Accepted
	1.3.10	Traffic route	Accepted
	1.3.11 85th percentile speed		Accepted
2	Speed ma	anagement	
	2.1	General	
	2.1.1	Objective of speed management	Accepted
	2.1.2	General principles	
	2.1.2.1	Determining speed limits	Accepted, with amendments
	2.1.2.2	Installation of speed limit signs	Accepted, with amendments
	2.2	Types of speed zones	
	2.2.1	Default speed limits	Accepted
	2.2.2	Speed zones	Accepted
	2.2.3	Length of linear speed zone	Accepted, with amendments
	2.2.4	Time based speed zones	Accepted
	2.2.5	Offset speed zones	Not accepted
3	Speed limit signing		
	3.1	Speed limit signs	
	3.1.1	General	Accepted
	3.1.2	Sign size	Accepted
	3.1.3	Signs for linear speed zones and defaults speed limits	Accepted, with amendments
	3.1.4	Signposting of linear speed limits	Accepted

Section	tion Clause Description		Applicability	
	3.1.5 Signposting of default limits		Accepted	
	3.1.6	Repeater signs	Accepted, with amendments	
	3.1.7	Typical applications of speed limit signs	Accepted	
	3.1.8	Area speed zones	Accepted	
	3.1.9	School zones	Accepted, with amendments	
	3.1.10	Shared zones	Accepted	
	3.1.11	Supplementary plates	Accepted, with amendments	
	3.1.12	Variable speed limits	Accepted, with amendments	
	3.1.13	Signs for high crash zones (black links) and approaches to high speed rural intersections	New	
	3.1.14	Township entry treatment sign	New	
	3.1.15	110 km/h speed zone ends sign	New	
	3.1.16	Speed limit awareness stickers	New	
	3.1.17 Signs for new speed limits 3.1.18 Signs for personal mobility device speed limits		New	
			New	
	3.1.19	Signs for high activity zones	New	
3.1.20 Signs for be		Signs for beaches and access tracks	New	
	3.2 Conflict with advisory speed signs 3.3 Pavement markings		Accepted	
			Accepted, with amendments	
	3.3.1	School zone pavement message	New	
	3.3.2	School zone threshold treatment	New	

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Introduction

Difference

Replace the reference to the Guide to Road Safety, Part 3: Speed Limits and Speed Management with Guide to Road Safety, Part 3: Safe Speed.

2 Speed management

2.1 General

2.1.2 General principles

2.1.2.1 Determining speed limits

Difference

Replace item (d) with the following:

All signposted speed limits shall be in multiples of 10 km/h, except for 25 km/h personal mobility device (PMD) speed limits installed in accordance with the QRSTUV: GSM.

2.1.2.2 Installation of speed limit signs

Difference

Replace the last sentence of item (b) with the following:

Signs shall also be duplicated on the right hand side of a multilane carriageway.

Addition

- e) Where provided for the benefit of turning traffic at intersections, speed limit signs shall be positioned such that it is visible to drivers after completing the turning manoeuvre.
- f) On single lane ramps the Speed Limit (R4-1) sign shall be installed on the left-hand side of the ramp. On multilane ramps the Speed Limit (R4-1) sign shall be duplicated. On multilane off ramps, the ON RAMP (R9-17) supplementary plate shall be installed below the Speed Limit (R4-1) sign installed on the right-hand side of the ramp (see Clause 3.1.11(c)).
- g) Speed limit signs displaying an increase in speed limit should not be installed just in advance of a section of lower speed value alignment, hazard, or other feature, but rather after. Speed limit signs displaying any subsequent increase in speed limit should not be visible prior to the section of lower speed value.
- h) A Speed Limit (R4-1) sign displaying a lower speed limit should not be installed after a section of lower speed value alignment, hazard, or other feature. Instead, the lower Speed Limit (R4-1) sign should be installed in advance of the section or feature.

2.2 Types of speed zones

2.2.1 Length of a linear speed zone

Difference

Replace the first sentence with:

The minimum length of a linear speed zone should be as specified in Table 3.4 of the QRSTUV: GSM.

3 Speed limit signing

3.1 Speed limit signs

3.1.3 Signs for linear speed zones and default speed limits

Difference

c) Speed Limit AHEAD (G9-79)

Replace the reference to AS 1742.2-2009 with AS 1742.2-2022.

3.1.6 Repeater signs

Difference

Replace item (g)(iii) with:

As a general reminder of the speed limit (item (b) above) – single signs on the left side of the roadway at a spacing no greater than that given in Table 3.1.6.

Repeater signs provided on divided multilane roads and one-way multilane roads shall be duplicated.

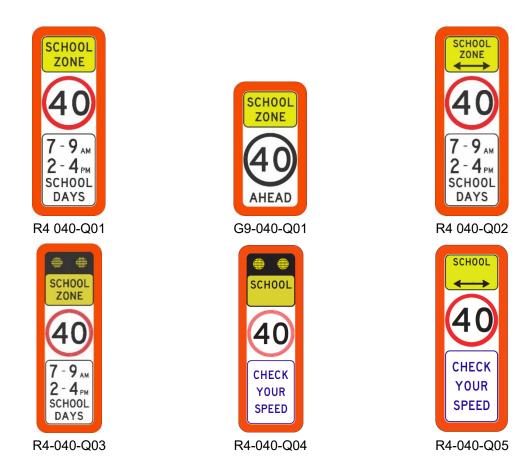
Table 3.1.6 - Maximum spacing of speed limit repeater signs

Speed Limit (km/h)	Maximum spacing of repeater signs
40	300 m
50	300 m
60	1.0 km
70	1.5 km
80	3.0 km
90	3.0 km
100	17.0 km
110	18.5 km

3.1.9 School zones

Difference

Replace the entire clause with the following:



A SCHOOL ZONE (R4-040-Q01) or Enhanced SCHOOL ZONE (R4-040-Q03) sign shall be used to demarcate the start of a school zone. The SCHOOL ZONE (R4-040-Q01) sign shall not be installed on a side road approach to a school zone.

The SCHOOL ZONE (R4-040-Q01) sign shall be installed as repeater signs (see Clause 3.1.6). Where an Enhanced SCHOOL ZONE (R4-04-0-Q03) sign demarcates the start of a school zone, at least one Enhanced SCHOOL ZONE (R4-040-Q03) sign shall be installed as a repeater signs at school zones greater than 500 m in length.

A SCHOOL ZONE AHEAD (G9-040-Q01) sign shall be installed at least 300 m in advance of the first school zone sign(s) either where the normal speed limit on approach is greater than 80 km/h, or where otherwise required in accordance with Clause 3.1.3(c).

The SCHOOL ZONE (R4-040-Q02) sign should be installed opposite a terminating road within a school zone.

The Enhanced School Zone (R4-040-Q04 and R4-040-Q05) signs may be installed on a road with a 40 km/h speed limit.

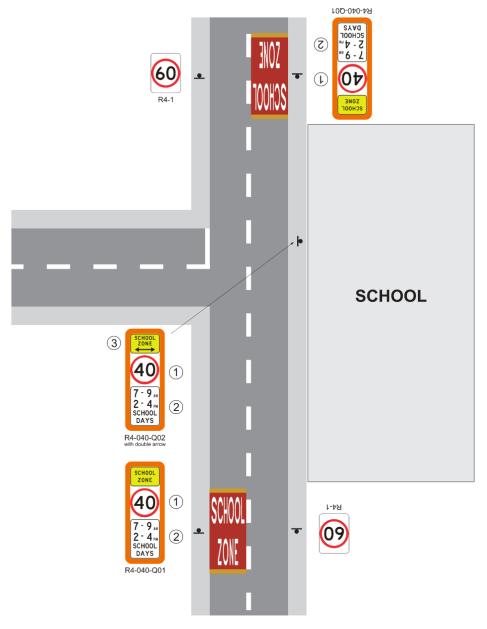
Where a school zone begins at an intersection, and the normal speed limit on the road is greater than 50 km/h, a Speed Limit (R4-1) sign may be omitted in advance of the school zone sign.

Where a road continues beyond a school zone, the school zone shall be terminated by the installation of a Speed Limit (R4-1) sign displaying the speed limit that applies beyond the school zone.

The speed limit and times of operation applicable to a school zone shall be determined in accordance with the QRSTUV: GSM.

A typical layout for a school zone on a two-lane road is shown in Figure 3.1.9.

Figure 3.1.9 – Typical layout of school zone signs



NOTE 1 School zone speed limits shall be determined in accordance with the QRSTUV: GSM.

NOTE 2 For times of operation refer to the QRSTUV: GSM.

NOTE 3 The R4-040-Q02 sign should be installed opposite a terminating road within a school zone.

3.1.11 Supplementary plates

Addition

c) The ON RAMP (R9-17) supplementary plate shall be installed below the Speed Limit (R4-1) sign on the right-hand side of a multi-lane off ramp, where one is provided in accordance with clause 2.1.2.2(f). This sign is not used under Speed Limit (R4-1) signs on the left-hand side of ramps.

- e) Additional supplementary plates which may be used in conjunction with Speed Limit (R4-1) signs are as follows:
 - i. Class of vehicles



Examples of R4-040-Q06

The Class of Vehicles (R4-040-Q06) sign shall be displayed to indicate the class(es) of vehicle to which a speed limit applies.

Addition

Add to (f) the following:

i. BRIDGE DAMAGE CONTROL (G9-040-Q02)



G9-040-Q02

The BRIDGE DAMAGE CONTROL (G9-040-Q02) sign may be installed to inform motorists of a reduced speed limit at a bridge or floodway due to structural damage. If the speed limit is reduced for other reasons, the ON BRIDGE (R9-15) sign shall be used instead.

Where installed, the following requirements apply:

- a) The BRIDGE DAMAGE CONTROL (G9-040-Q02) sign shall be duplicated on both sides of the road.
- b) A fluorescent orange target board should be installed around the Speed Limit (R4-1) and BRIDGE DAMAGE CONTROL (G9-040-Q02) signs.
- ii. CRASH ZONE (G9-040-Q03)



G9-040-Q03

The CRASH ZONE (G9-040-Q03) sign shall only be used to supplement a Speed Limit (R4-1) sign in a black links zone.

iii. HIGH ACTIVITY ZONE (G9-040-Q04)



G9-040-Q04

For guidance on the use of the HIGH ACTIVITY ZONE (G9-040-Q04 and G9-040-Q12) signs see clause 3.1.19.

Times of Operation signs in the R9-1 series may be used below the HIGH ACTIVITY ZONE (G9-040-Q04) sign to indicate part-time speed restrictions in a high active transport user area (HATUA).

iv. HOSPITAL ZONE (G9-040-Q05)



G9-040-Q05

Where a speed limit has been reduced due to the presence of a hospital, the HOSPITAL ZONE (G9-040-Q05) sign shall installed.

v. NEW LIMIT (G9-040-Q06)



G9-040-Q06

For guidance on the use of the NEW LIMIT (G9-040-Q06) sign see clause 3.1.17.

vi. SETTLEMENT (G9-040-Q07)



G9-040-Q07

The G9-040-Q07 supplementary plate may be installed in advance of a hamlet, settlement or group of dwellings where the speed limit has been reduced. The supplementary plate is intended to inform drivers of the reason for the reduced speed limit.

vii. RAILWAY CROSSING (G9-040-Q08)



G9-040-Q08

The RAILWAY CROSSING (G9-040-Q08) sign shall be installed under a Speed Limit (R4-1) sign where the speed limit is reduced due to the presence of a railway crossing.

3.1.12 Variable speed limits

Addition

For further guidance on the installation of Variable Speed Limit Signs (VSLS) and supporting static signs refer to the *Queensland Guide to Smart Motorways* (QGSM).

3.1.13 Signs for high crash zones (black links) and approaches to high speed rural intersections

New

Where a speed limit has been reduced in a black links, zone or on approach to a high speed rural intersection, in accordance with the QRSTUV: GSM, the following apply:

- a) Speed Limit AHEAD (G9-79) sign(s) shall be provided, except where the reduced speed limit in a black links zone is higher than the preceding speed limit. See Clause 2.1.2.2(b) and Clause 3.1.3(c).
- b) Either an appropriate supplementary plate beneath the first Speed Limit (R4-1) sign displaying the reduced speed limit or an appropriate warning sign shall be installed in accordance with Queensland MUTCD Part 2 to inform drivers of the reason for the reduced speed limit.
- c) A fluorescent orange target board shall be provided around the initial Speed Limit (R4-1) sign together with any associated supplementary plate(s), and all repeater signs.
- d) The length of the reduced speed zone on approach to a high speed rural intersection should not exceed 300 m.
- e) The first repeater speed sign shall be installed at a distance not exceeding 300 m into the black links zone. Additional repeater signs shall be installed at a distance not exceeding 1 km.
- f) If the speed limit is reduced due to multi-vehicle crashes, the following signs may be installed following the first Speed Limit (R4-1) sign to inform drivers of the reason for the reduced speed limit:
 - i. The HIGH CRASH SITE (W5-040-Q01_1) sign may be installed on the approaches to the high speed rural intersection. Where used, an appropriate warning sign from Queensland MUTCD Part 2 should be considered.
 - ii. The HIGH CRASH ZONE NEXT x km (W5-040-Q01_2) sign may be installed for a high crash zone (black link).



Examples of W5-040-Q01

3.1.14 Township entry treatment sign

New



Example of R4-040-Q07

Where a township entry treatment is installed, the Speed Limit (R4-040-Q07) sign shall be installed adjacent to the pavement marking. Guidance on the application of township entry treatments is provided in Technical Note 170 *Township Entry Treatments*.

3.1.15 110 km/h speed ZONE ENDS sign

New



G9-040-Q09

The 110 km/h ZONE ENDS 500 m (G9-040-Q09) sign shall be installed 500 m prior to the end of a statically posted 110 km/h zone. This sign should be duplicated.

Speed Limit (R4-1) signs at the start of a lower speed zone following the 110 km/h zone shall be supplemented with a fluorescent orange target board.

3.1.16 Speed limit awareness stickers

<u>New</u>



G9-040-Q10

Refer to the QRSTUV: GSM for guidance on the use of the 50 km/h IN MY STREET (G9-040-Q10) wheelie bin sticker.

3.1.17 Signs for new speed limits

New

NEW LIMIT signs may be used temporarily to supplement Speed Limit (R4-1) signs. If used, the following temporary signs shall be installed for a period no longer than 3 months from the date the new speed limit signs are installed.

a) NEW LIMIT (G9-040-Q06)



G9-040-Q06

The NEW LIMIT (G9-040-Q06) sign may be installed below a Speed Limit (R4-1) sign to increase motorists awareness of a new speed limit. Where used the following applies:

- i. The NEW LIMIT (G9-040-Q06) sign shall be installed beneath the first Speed Limit (R4-1) sign at the start of the new speed zone.
- ii. Where the Speed Limit (R4-1) sign is duplicated at the start of the new speed the NEW LIMIT (G9-040-Q06) sign shall also be duplicated.
- iii. The NEW LIMIT (G9-040-Q06) sign may be installed under repeater speed limit signs in the new speed zone past major intersections or at other locations where deemed necessary.
- b) NEW SPEED LIMIT AHEAD (G9-040-Q11)



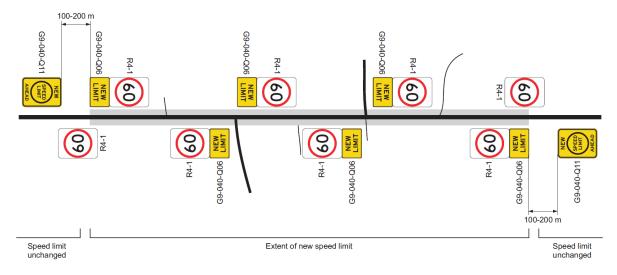
G9-040-Q11

The NEW SPEED LIMIT AHEAD (G9-040-Q11) sign may be installed in advance of a NEW LIMIT (G9-040-Q06) sign at the start of a new linear or area speed zone. Where used the following requirements apply:

- i. The NEW SPEED LIMIT AHEAD (G9-040-Q11) sign shall be installed 100-200 m in advance of the start of the new speed limit in each direction of travel.
- ii. The NEW SPEED LIMIT AHEAD (G9-040-Q11) sign shall not be installed ahead of repeater signs within the newly created speed zone.

Figure 3.1.17 illustrated an example layout for new speed limit signs.

Figure 3.1.17 – Typical layout of NEW LIMIT signs



3.1.18 Signs for personal mobility device speed limits

New



The Speed Limit for Personal Mobility Devices (R4-040-Q08, R4-040-Q09, or R4-040-Q10) sign or pavement marking shall be used when imposing a speed limit on paths for personal mobility devices (PMDs).

A signed PMD speed limit ends at the nearest of the following:

- An end PMD speed limit sign or pavement marking.
- A speed limit sign or road marking applying to the path with a different speed limit.
- Where the path intersects with a road or another path.

If a signed speed limit for PMDs is to continue beyond an intersecting road or path, a new PMD speed limit sign or pavement marking shall be installed.

To provide an end PMD speed limit sign or pavement marking, an END (R7-4) sign shall be installed below a Speed Limit for Personal Mobility Devices (R4-040-Q08, or R4-040-Q09) sign or pavement marking.

3.1.19 Signs for high activity zones

<u>New</u>



G9-040-Q12

The HIGH ACTIVITY ZONE (G9-040-Q12) sign may be installed in HATUA speed zones to begin the zone and as repeaters throughout the zone where required in accordance with Clause 3.1.6. Where used, the HIGH ACTIVITY ZONE (G9-040-Q12) sign shall be placed on the side of the Speed Limit (R4-1) sign furthest from the traffic lane.

In constrained situations where the HIGH ACTIVITY ZONE (G9-040-Q12) sign cannot be installed, the HIGH ACTIVITY ZONE (G9-040-Q04) supplementary plate may be used in conjunction with the Speed Limit (R4-1) sign (see Clause 3.1.11).

HATUA zones and speed limits are determined in accordance with the QRSTUV: GSM.

3.1.20 Signs for beaches and access tracks

New

The signs for beaches and access tracks given in Table 3.1.22 may be used in Queensland.

Table 3.1.20 - Signs for beaches and access tracks

Sign	Sign number	Figure	Notes
DRIVE TO PREVAILING BEACH CONDITIONS	R4-040-Q11	DRIVE TO PREVAILING BEACH CONDITIONS	This sign is regulatory and may be installed on beaches in lieu of a standard Speed Limit (R4-1) sign to increase conspicuity of the sign, to remind drivers of the changeable nature of beach conditions, and to drive to the prevailing beach conditions present at the time.

Sign	Sign number	Figure	Notes
ADVISORY SPEED ON BEACH(ES) or ACCESS TRACKS	G9-040-Q13	BRIBIE ISLAND ON BEACHES UNLESS SIGNED OTHERWISE ON ACCESS TRACKS UNLESS SIGNED OTHERWISE	These signs are advisory only and shall be used in conjunction with regulatory speed signs placed at regular intervals on the beaches or on the access tracks. The following legends shall be used as stated: ON BEACHES: at entry locations to an island beach. ON ACCESS TRACKS: at island beach exits and points leading to island access tracks. ON BEACH: at beach entry locations where naming of the beach is desired.
ADVISORY SPEED ON ISLAND BEACHES and ACCESS TRACKS	G9-040-Q14	ON BRIBIE ISLAND 80 ON BEACHES 30 ON ACCESS TRACKS UNLESS SIGNED OTHERWISE DRIVE TO PREVAILING BEACH CONDITIONS	G9-040-Q14 is an advisory sign and may be located at major entry points to islands to indicate general speed limits on the island inland roads and beaches. Regulatory speed signs shall be placed at regular intervals on the beaches and access tracks.

3.3 Pavement markings

Difference

The following replaces that in the Standard:

Pavement numerals may be installed adjacent to a static speed limit sign where the pavement surface is suitable.

Where painted numerals are used the following applies:

- a) Painted numerals shall only be used to supplement immediately adjacent static speed limit signs and shall not be used alone.
- b) Painted numerals shall not be used where there are time-based or variable speed limits (for example, school zones or smart motorways).
- c) A separate set of identical numerals shall be painted in the centre of each traffic lane.
- d) Numerals shall be marked in accordance with Queensland MUTCD Part 2.

3.3.1 School zone pavement message

New

The SCHOOL ZONE pavement message may be used in association with school zone signs at sites where driver awareness of the school zone might be reduced by the alignment of the road or by the volume or type of traffic.

The use of other pavement messages in advance of pedestrian facilities at schools should be restricted to sites where driver awareness of the facility might be reduced by the horizontal or vertical alignment of the road or by volume of traffic, particularly during the peak periods when children are likely to be present on the road.

The SCHOOL ZONE pavement message is the only pavement message approved for use with a school zone sign. The SCHOOL ZONE pavement message may be incorporated with a threshold treatment for added emphasis (see Clause 3.3.2).

The SCHOOL ZONE pavement message shall be marked in accordance with Queensland MUTCD Part 2.

3.3.2 School zone threshold treatment

The school zone threshold treatment is detailed in PM-040-Q01 and illustrated in Figure 3.3.2.

A school zone threshold treatment shall only be applied adjacent the initial school zone speed limit sign (see Clause 3.1.9), and should only be used in speed zones of \leq 80 km/h.

The school zone threshold treatment shall be confined to the lane(s) applicable to drivers travelling into a school zone. No threshold treatment shall be marked on the departure lanes out of a school zone, or in any shoulder or bicycle lane.

Each instance of the school zone pavement message marked on the pavement shall span no more than 2 lanes. When spanning across 2 lanes, the message text should be centred horizontally about the centre lane line.

Refer to the QRSTUV: GSM for further guidance on threshold treatments at school zones.

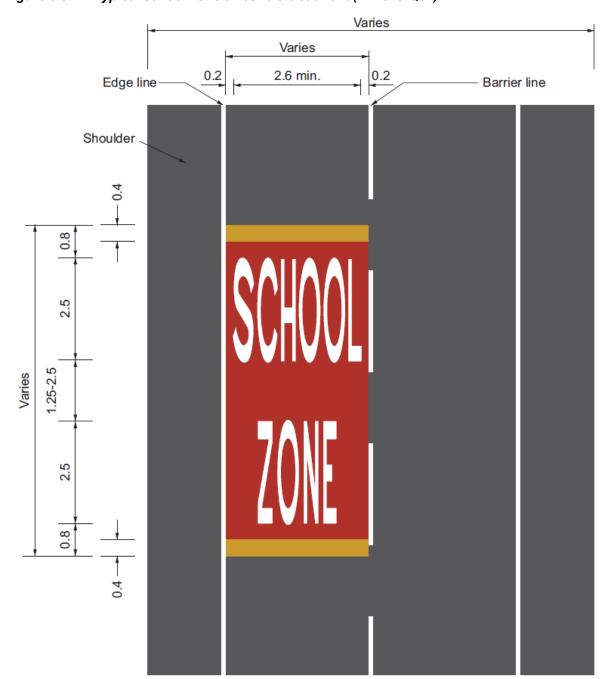


Figure 3.3.2 – Typical school zone threshold treatment (PM-040-Q01)