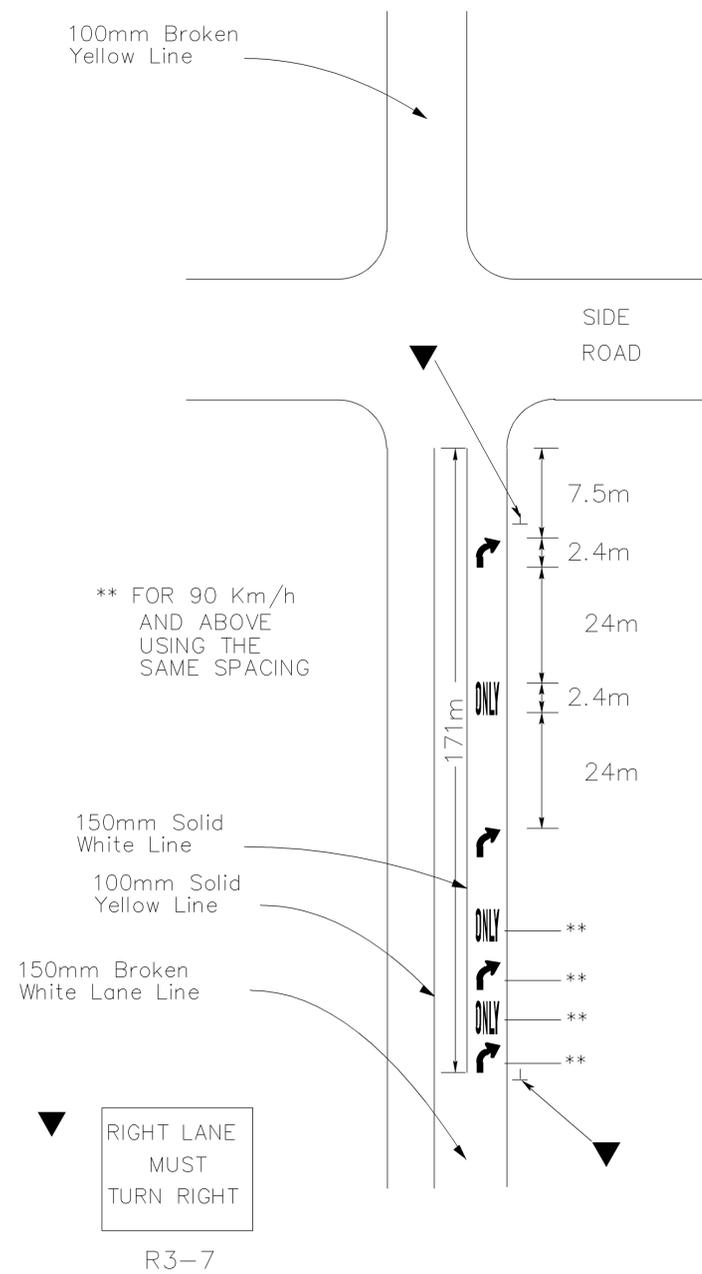


TYPICAL SIGNING AND MARKING FOR RIGHT LANE MUST TURN RIGHT



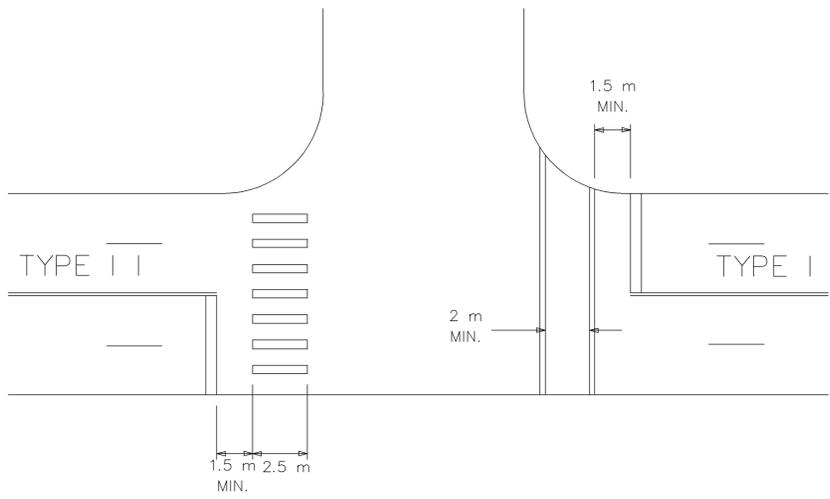
MPH	km/h
20	30
25	40
30	50
35	60
40	60
45	70
50	80
55	90
60	100
65	110
70	110

TYPICAL CROSSWALKS

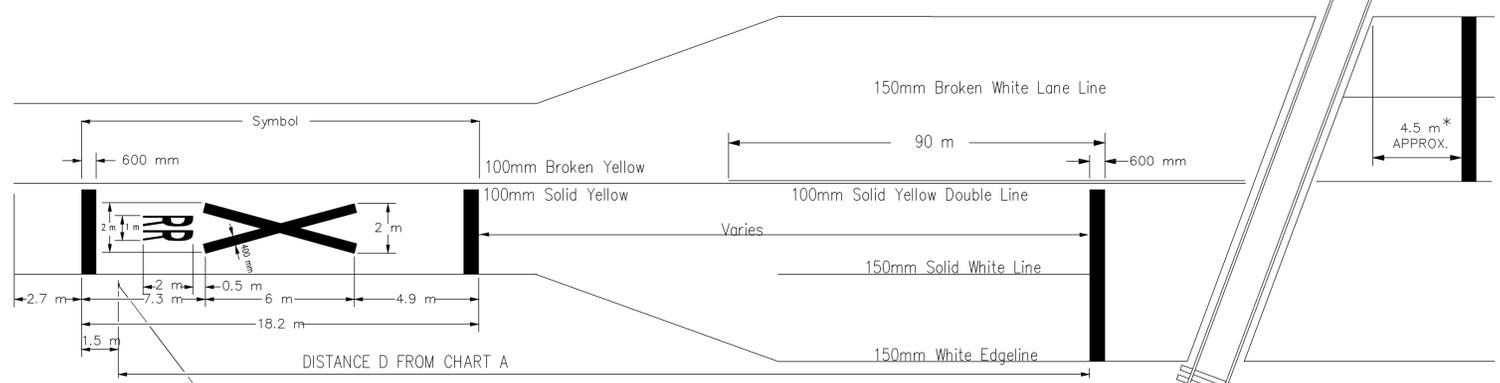
TYPE I: Crosswalk lines shall be 300 mm solid white lines. They shall be spaced a minimum of 2 m apart from inside edge to inside edge.

TYPE II: These lines should be solid white 600 mm wide placed parallel to the direction of traffic flow. The line placement is determined by lane line, center line, and wheel path in such a manner as to minimize traffic wear. The crosswalk width should be not less than 2.5 m. The transverse crosswalk lines may be added.

When required, Stop lines shall be installed a minimum of 1.5 m from crosswalks.



RAILROAD CROSSING MARKING



A three-lane roadway should be marked with a centerline for two-lane approach operation on the approach to a crossing.

On multi-lane roads the transverse bands should extend across all approach lanes, and individual R X R symbols should be used in each approach lane.

Refer to Standard Alphabet for Highway Signs and Markings for R X R symbols details.

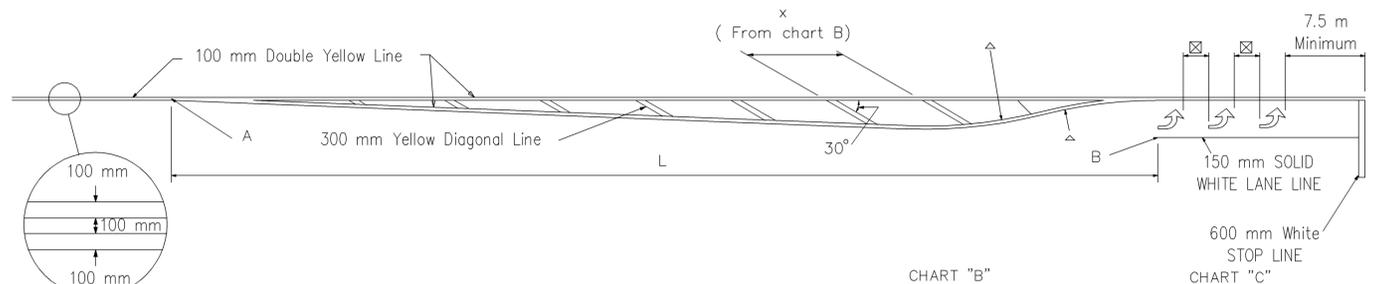
* Stop line 2.5 m from near edge of gate or cantilever, if present.

NOTE:
ON NON I, US, AND K ROUTES, 100 mm EDGE LINES MAY BE INSTALLED.
150 mm EDGE LINES ARE NOT REQUIRED ON NON I, US, AND K ROUTES.

SPEED (km/h)	DISTANCE D (METERS)
110	265
90	210
80	190
70	165
60	145
50	100
40	75
30	55

ALL DISTANCES ARE MINIMUM.

TYPICAL APPROACH TAPER DETAIL



The approach taper length from point A to point B is to be determined using CHART C. Values for L were calculated using the equations below and increased to the next higher 5 m increment.

- Speeds < 60 km/h $L = (S^2W)/157$
- Speeds > 70 km/h $L = (SW)/1.6$

☒ If arrows are used and unless otherwise specified the space between lines should be at least four times the height of the characters for low speed roads but not more than ten times the height of the characters, under any conditions.

△ For speeds less than or equal to 60 km/h, R=45 m.
For speeds greater than or equal to 70 km/h, R=90 m.

Approach Speed	X
30 km/h	6 m
40 km/h	8 m
50 km/h	10 m
60 km/h	12 m
70 km/h	14 m
80 km/h	16 m
90 km/h	18 m
100 km/h	20 m
110 km/h	22 m

Approach Speed	L
30 km/h	25m
40 km/h	40m
50 km/h	60m
60 km/h	85m
70 km/h	165m
80 km/h	185m
90 km/h	210m
100 km/h	235m
110 km/h	255m

3					
2	09/20/2005	Added 100 mm Solid Yellow Double Line to RRxing	JFF	BDG	
1	07/26/2005	New FHWA Approval Date	JFF	BDG	
NO.	DATE	REVISION	BY	APP'D	

KANSAS DEPARTMENT OF TRANSPORTATION
TYPICAL
MISCELLANEOUS
PAVEMENT MARKING
DETAIL SHEET

TE309SI

FHWA APPROVAL	07/26/2005	APP'D	Brian D. Gower
DESIGNED	JFF	QUANTITIES	JFF
DESIGN CK.	BDG	QUAN. CK.	BDG
TRACED	JFF	TRACE CK.	JFF

Plotted By: J:\KDOT\GRP\...
Plot File: J:\KDOT\GRP\...
Plot Date: J:\KDOT\GRP\...