



Traffic Guidelines Manual

ORIGINATOR State Traffic Engineer	2-2-20
CHAPTER 2	Signing
SECTION 2	Regulatory
SUBJECT 20	Intersection Lane Control Sign

A. Purpose

The 2009 MUTCD sections [2B.19](#), [2B.20](#), [2B.21](#), and [2B.22](#) provide standards and guidance for the usage of intersection lane control signs, mandatory movement lane control signs, optional movement lane control signs, and advanced intersection lane control signs. This policy provides requirements and guidance to the proper use of the signs on state maintained highways.

B. Definitions

1. Intersection lane control signs (R3-5 through R3-8 and R3-20L or LL and R3-20R or RR) include mandatory movement lane control signs, optional movement lane control signs, and advanced intersection lane control signs.
2. Mandatory movement lane control signs are as follows:
 - a. R3-5, R3-5A, R3-5XL, and R3-50 series contain an arrow and word ONLY
 - b. R3-7 series indicate "RIGHT (CENTER OR LEFT) LANE MUST TURN RIGHT (CENTER OR LEFT)
3. Optional movement lane control signs (R3-6 series) indicate a combination arrow.
4. Advanced intersection lane control signs (R3-8 series) indicates the configuration of all lanes ahead. The R3-20 series signs indicate the start of a turn lane with the text LEFT (RIGHT) TURN LANE (tilting arrow down)

C. Policy

1. Mandatory movement lane control signs (figures 1, 2, and 3)

R3-5, R3-5A, R3-5XL and R3-50 series are generally used as overhead signs directly over the lane to which they apply. The R3-5, R3-5A, R3-5XL, and R3-6 **shall not** be used as a ground mounted sign on a multi lane approach.

R3-7 series signs **shall** only be used as ground mounted signs. The RIGHT (LEFT) LANE MUST TURN RIGHT (LEFT) **shall** be installed whenever there is a mandatory turn lane and **shall** be accompanied by pavement marking arrows/only per [3B.20](#) of the MUTCD. A mandatory turn lane is one where a thru lane becomes a mandatory turn lane and the driver must change lanes in order to continue straight. An R3-7 series sign *should* be placed in advance of the intersection and repeated at the intersection depending on space availability for signs and the speed limit of the roadway. For higher speed roadways, 45 MPH or higher place the sign a minimum of 400' prior to the intersection and repeat the sign at the intersection. For lower speed roadways, 40 MPH and below, place the sign a minimum of 300' prior to the intersection and repeat the sign if necessary. An option to the R3-7 series ground mounted sign is an overhead R3-5 series sign (ONLY, ARROW). NOTE: The R3-8 series sign *may* be used in lieu of the R3-7 series sign when there is only one lane approaching an intersection and the roadway widens into separate turn lane (s).

2. Optional movement lane control signs

R3-6 series signs indicate a combination arrow and are installed overhead. The word OK **shall not** be used on the sign per [2B.19](#) of the Wisconsin supplement to the 2009 MUTCD.

3. Advanced intersection lane control signs (figures 4, 5, 6, 7, 8, 9, and 10)

R3-8 series signs shows the configuration of all lanes ahead. This sign *should* be placed in advance of the tapers for the turn lanes to allow for drivers to read the sign and change lanes accordingly. This sign is required for complex intersections where it *may not* be apparent to the driver what each lane movement is. Examples of not apparent include horizontal and vertical curves approaching an intersection or lack of physical barrier channelization. Examples of complex intersections would include dual rights and dual lefts. At other locations, it is an optional sign.

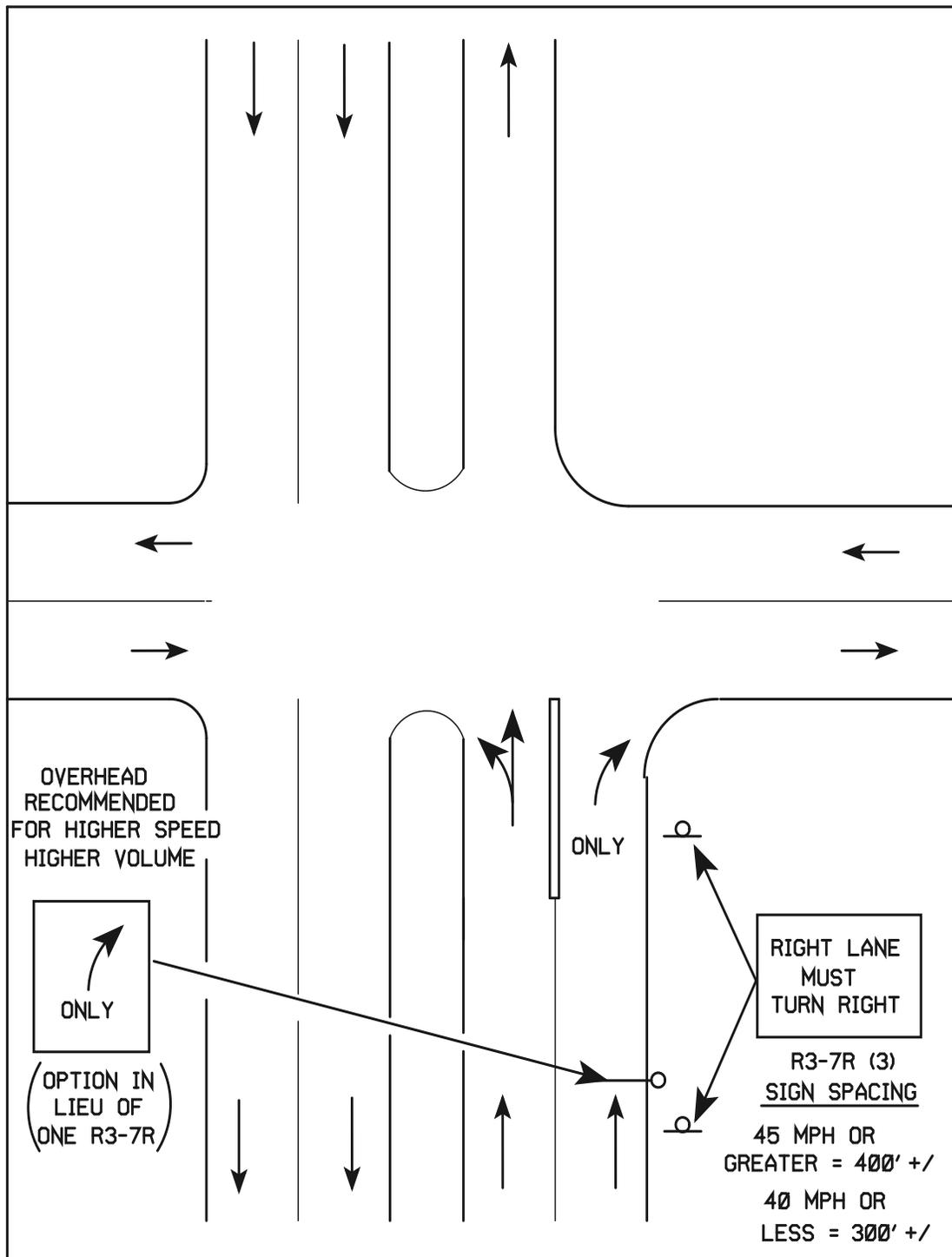
R3-20L or LL and R3-20 R or RR signs which indicate LEFT (RIGHT) TURN LANE and tilted down arrow are intended to be placed at the start of the taper for the turn lane. This sign is required:

- a. for dual left turns where there is a median physical separation.
- b. at single or dual turn lanes where there is a physical separation between the left turn lane and through lane. Note: If the R3-20 sign is used between the thru lane and turn lane per figure 7, the advanced sign is optional.

The R3-20 series sign is not necessary at other locations unless there is a horizontal curve where the driver cannot distinguish the turn lane taper from the thru lane.

4. Mandatory turn lane downstream of an intersection (figure 3)

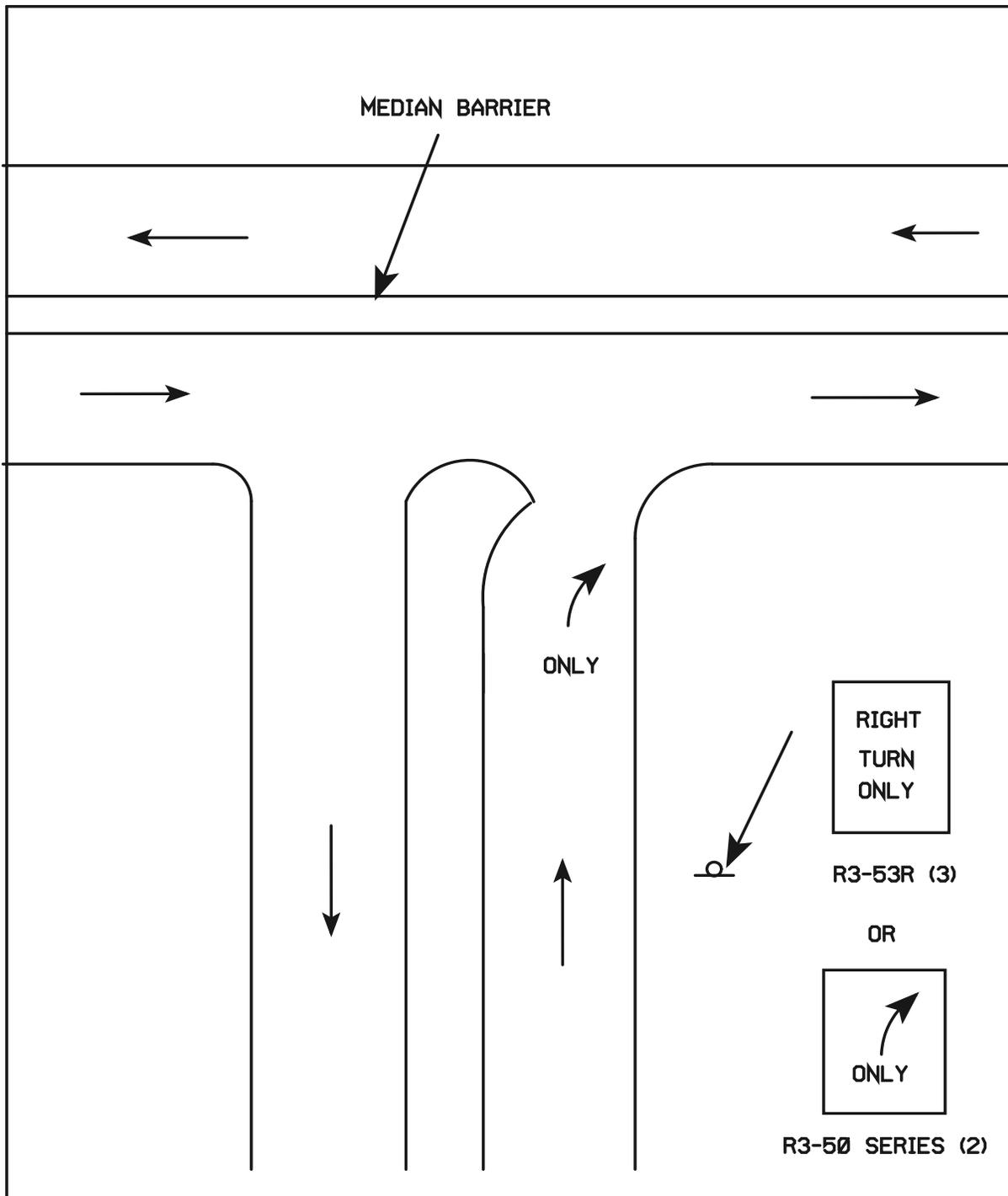
An R3-7 series sign, RIGHT (LEFT) LANE MUST TURN RIGHT (LEFT) **shall** be used where a lane becomes a mandatory turn lane after an intersection. Option – overhead sign R3-5 series sign is recommended for higher speed facilities in lieu of the ground mounted R3-7 series sign.



MANDATORY MOVEMENT LANE CONTROL SIGNS

FIGURE 1

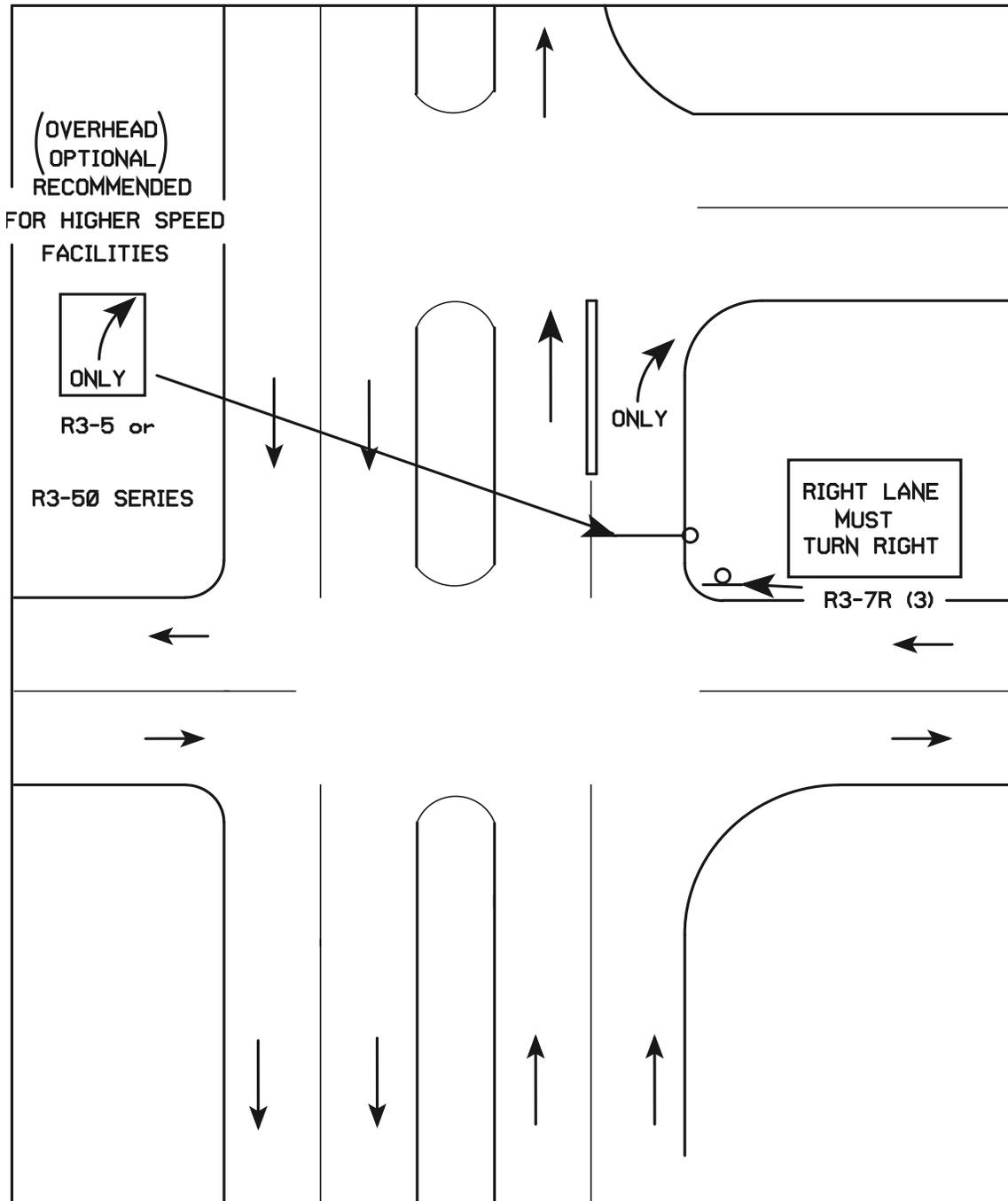
CODE



MANDATORY MOVEMENT LANE CONTROL SIGNS

FIGURE 2

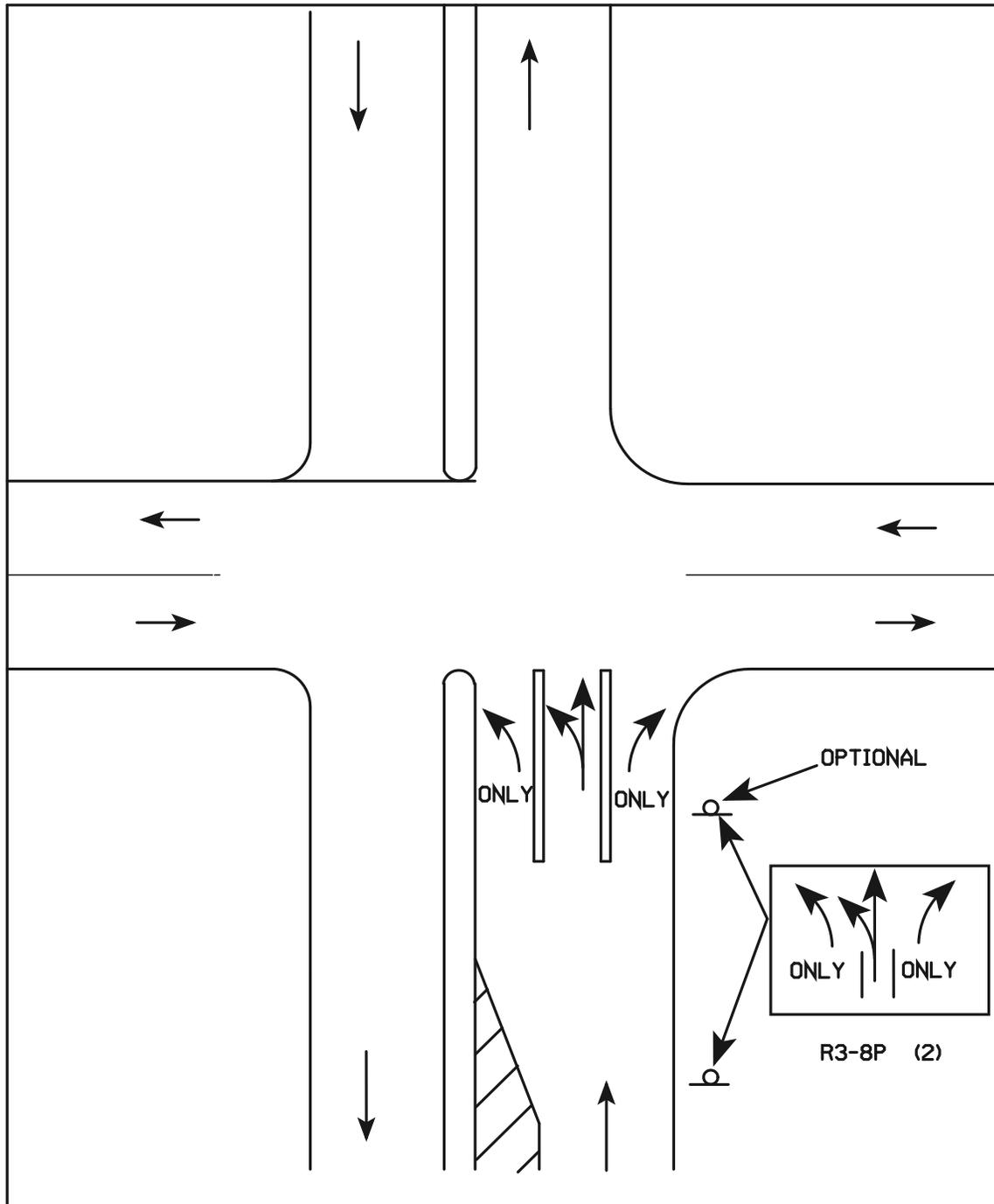
CODE



MANDATORY TURN LANE AFTER INTERSECTION

FIGURE 3

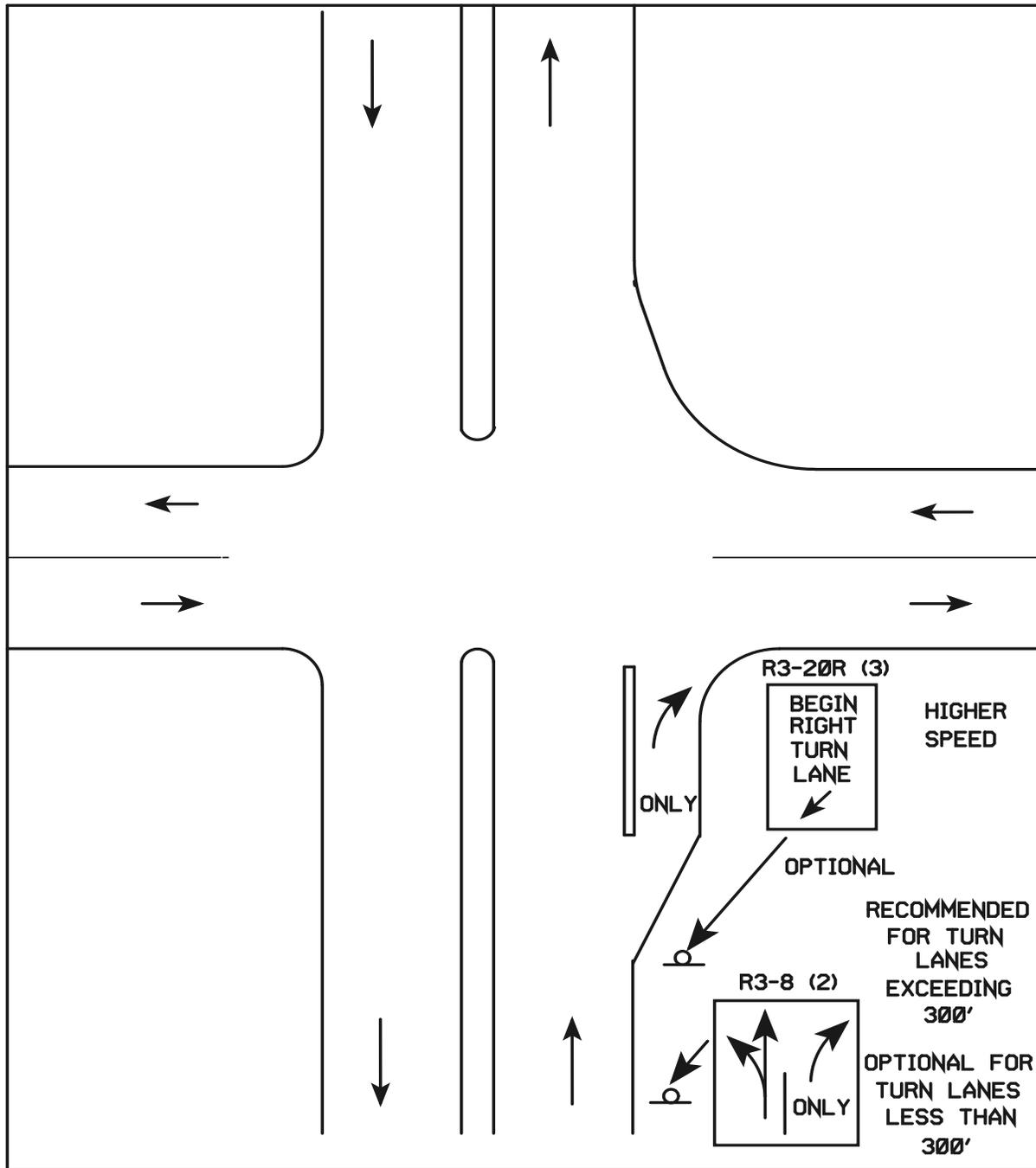
≡ CODE



ADVANCED INTERSECTION LANE CONTROL SIGNS

FIGURE 4

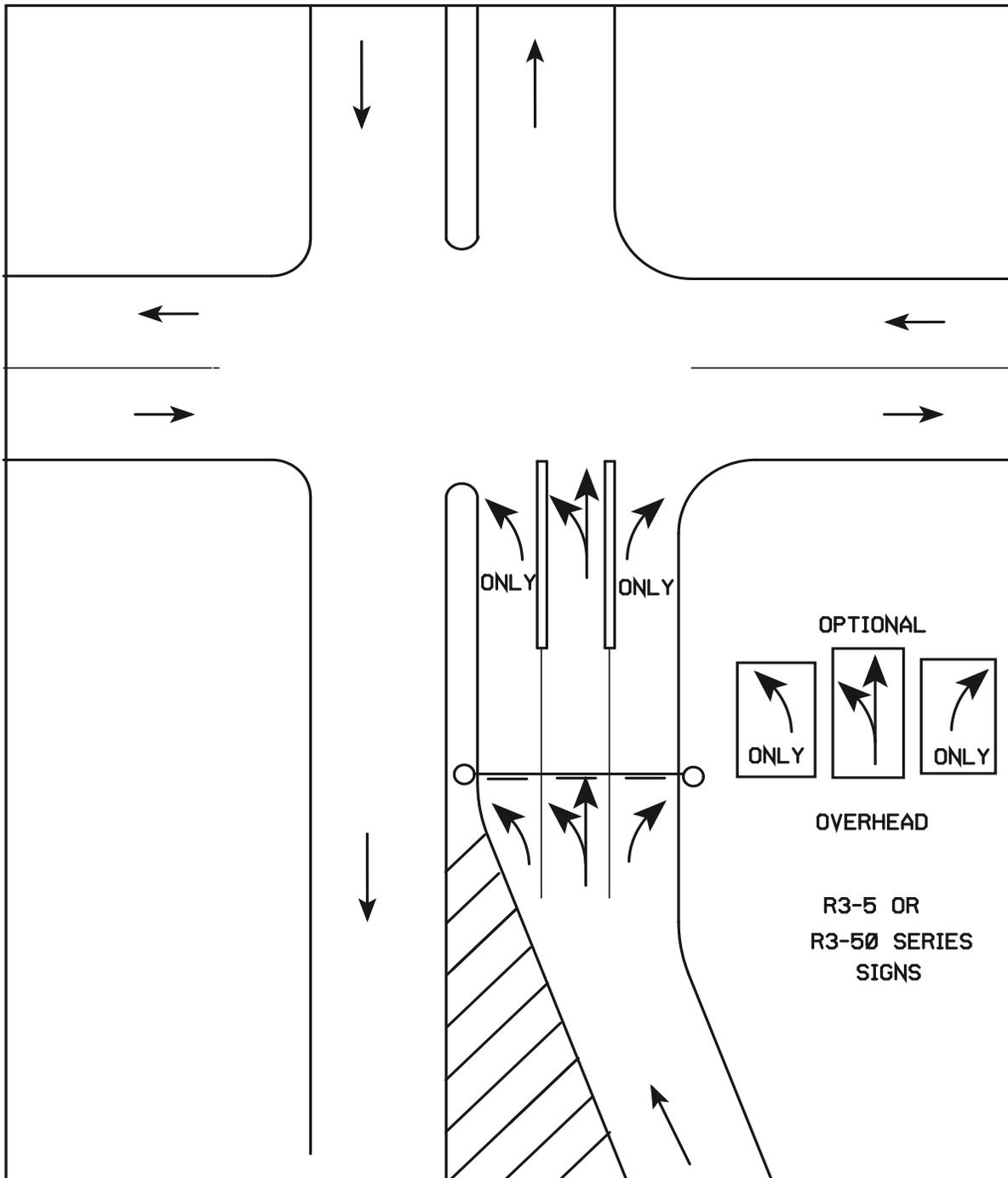
SIZE CODE



ADVANCED INTERSECTION LANE CONTROL SIGNS

≡ CODE

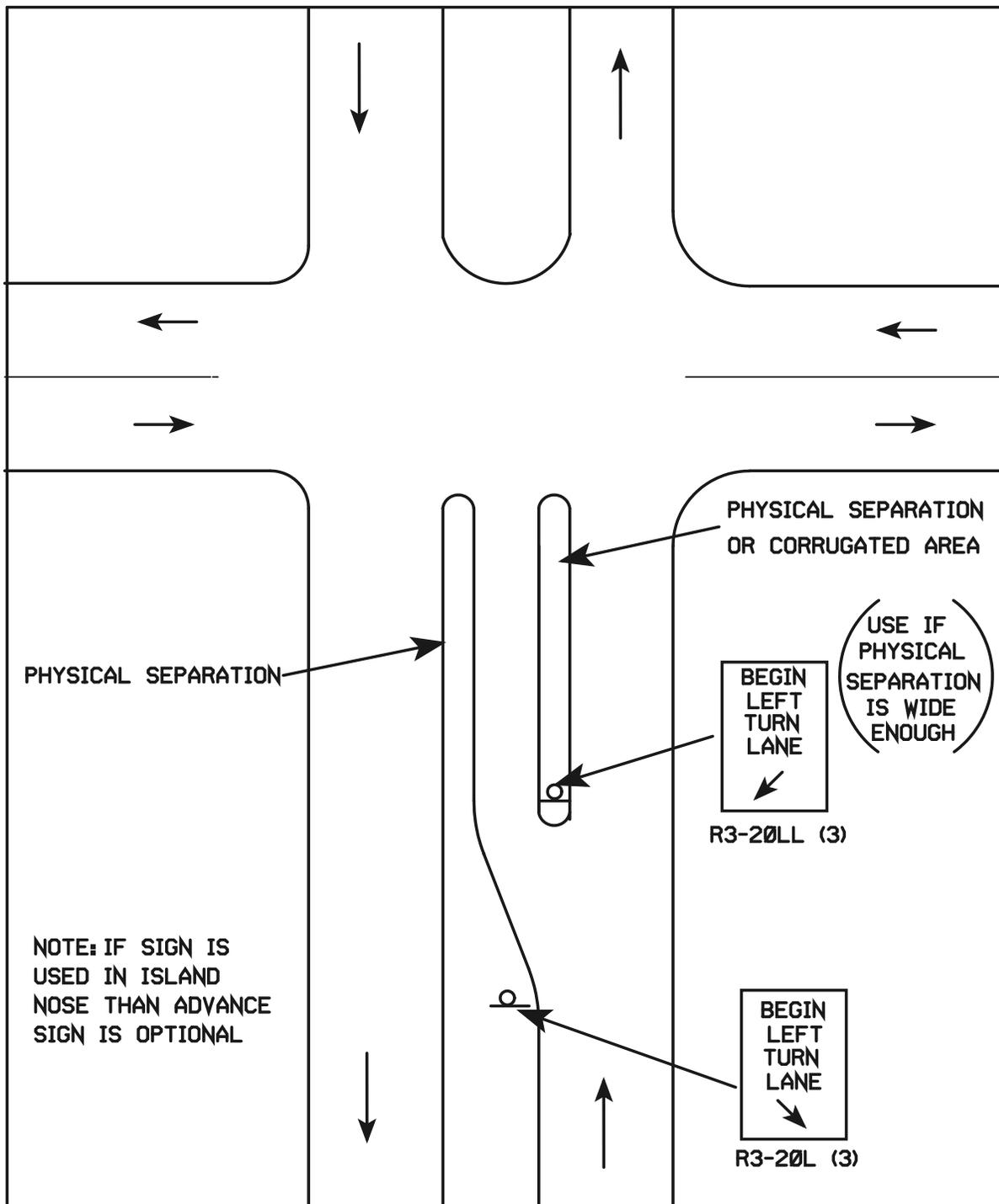
FIGURE 5



ADVANCED INTERSECTION LANE CONTROL SIGNS
(OVERHEAD LANE CONTROL SIGNS)

CODE

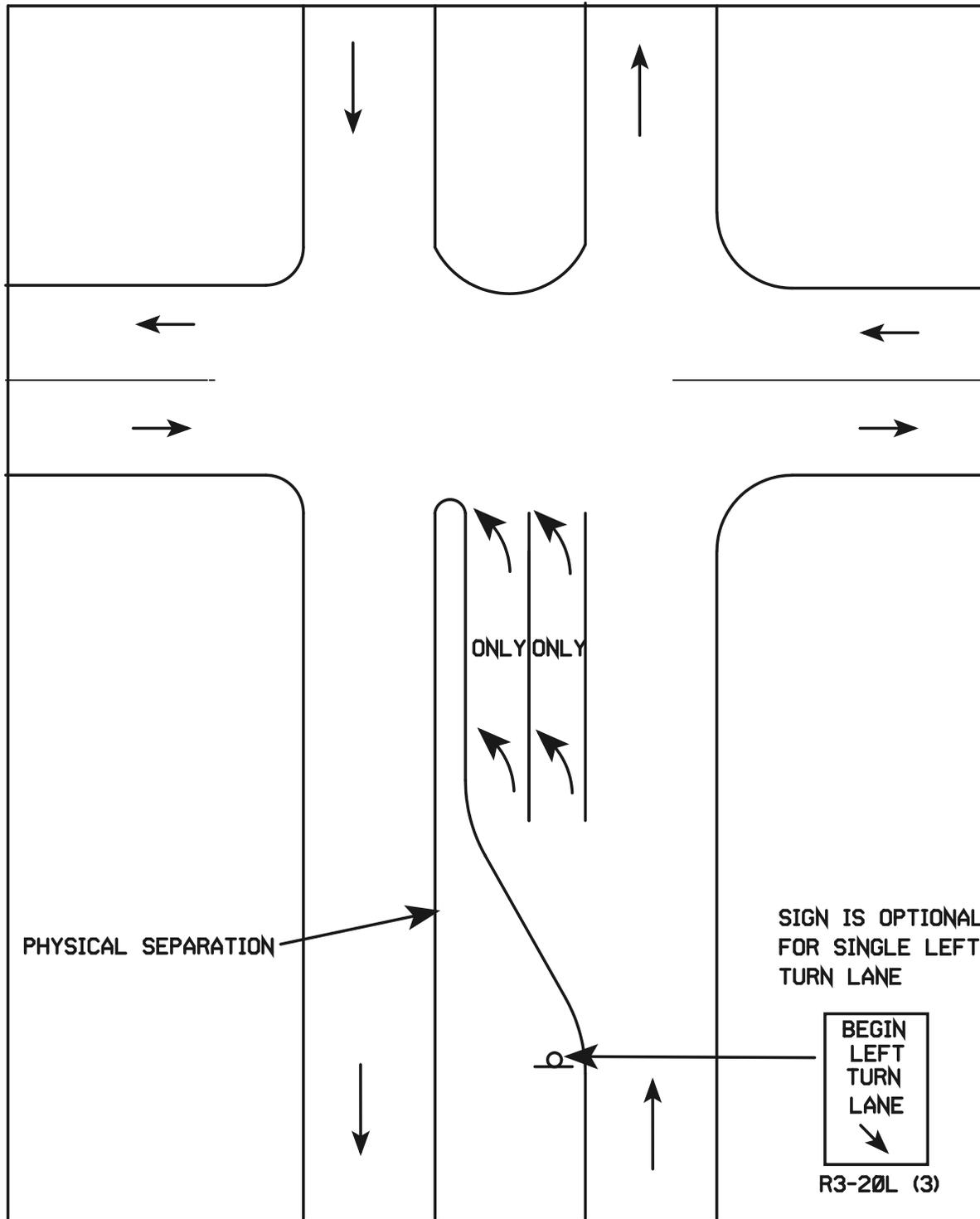
FIGURE 6



ADVANCED INTERSECTION LANE CONTROL SIGNS

FIGURE 7

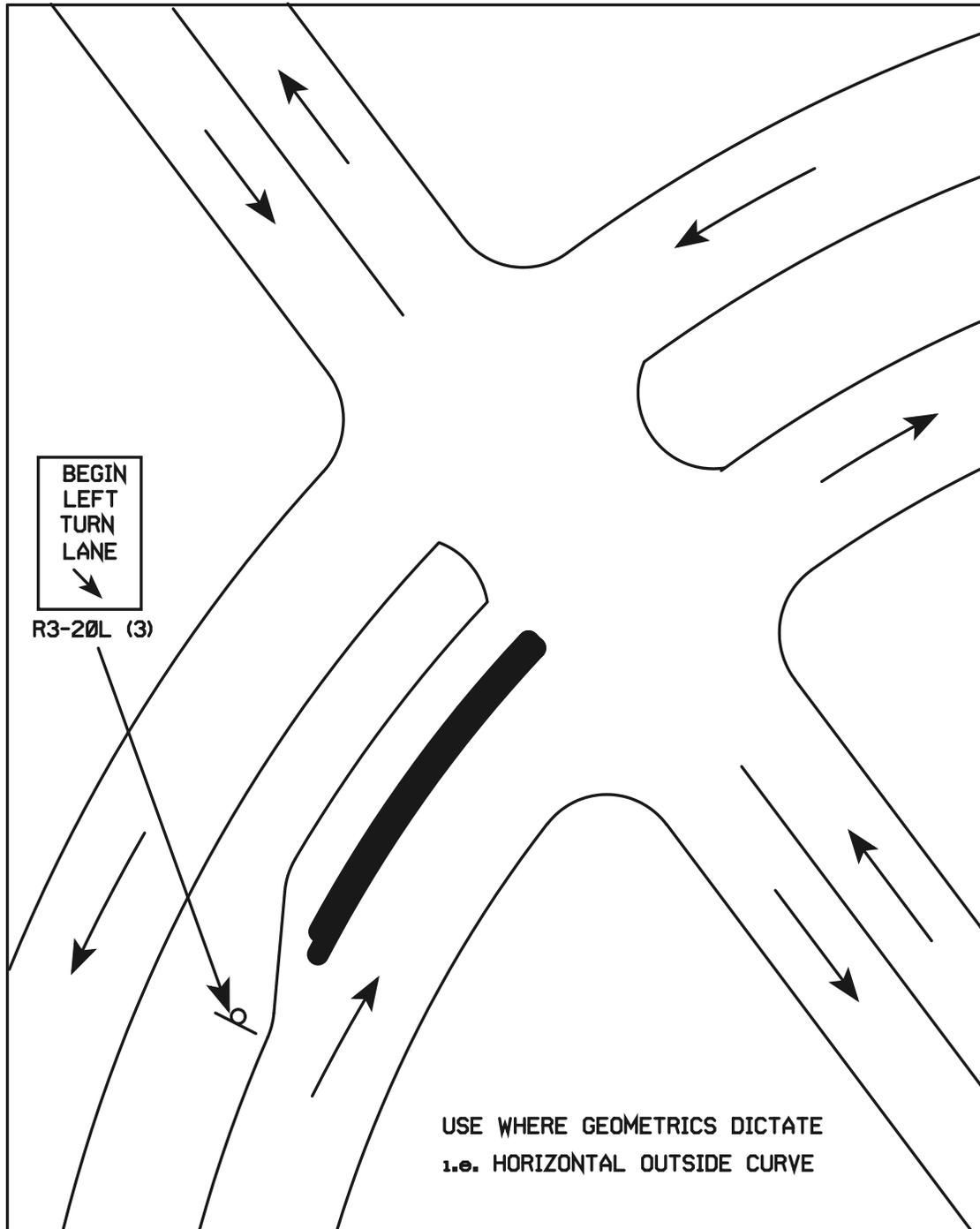
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ADVANCED INTERSECTION LANE CONTROL SIGNS

FIGURE 8

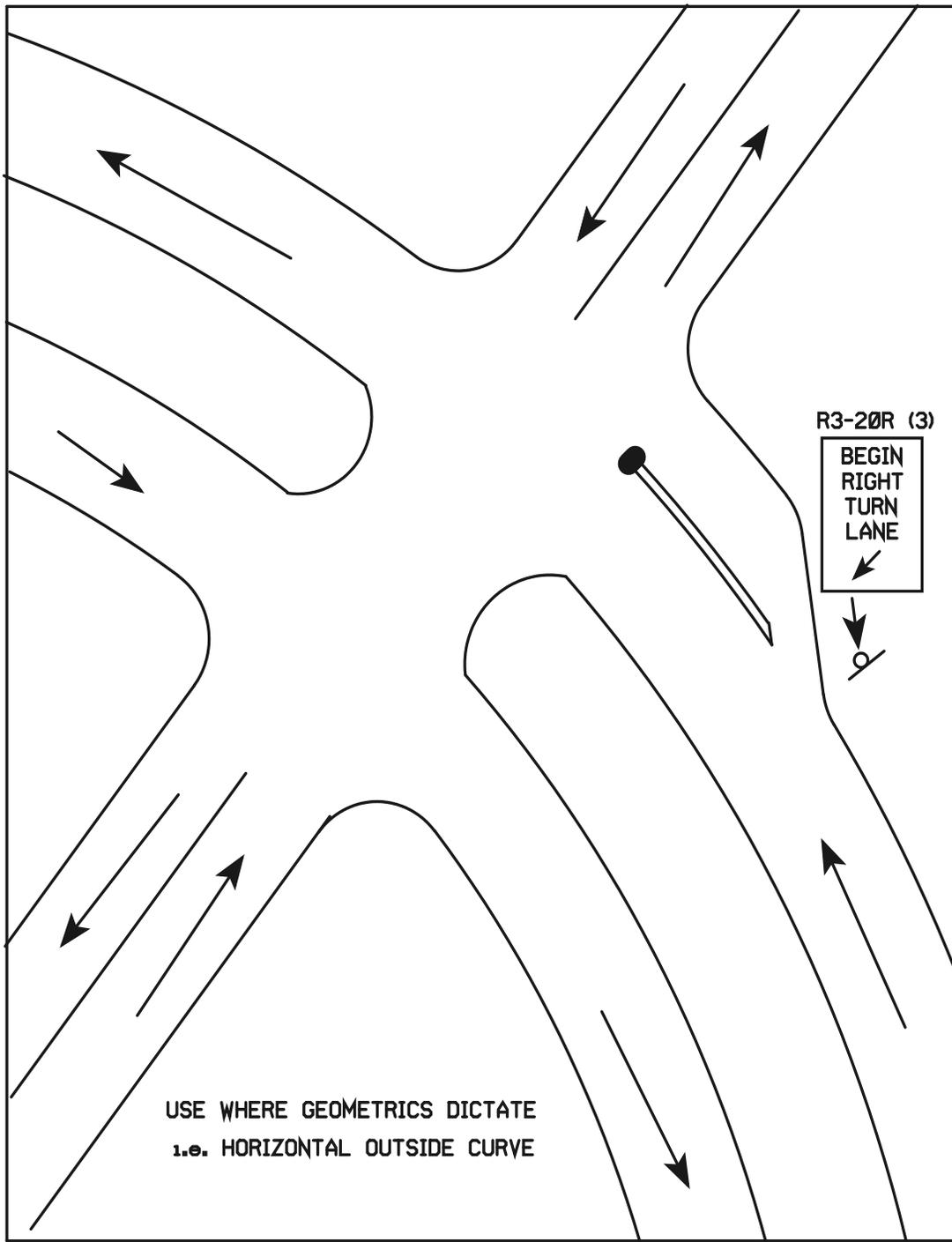
CODE



ADVANCED INTERSECTION LANE CONTROL SIGNS
(LEFT TURN LANE ON CURVE)

SIZE CODE

FIGURE 9



ADVANCED INTERSECTION LANE CONTROL SIGNS
(RIGHT TURN LANE ON CURVE)

FIGURE 10

ZE CODE