



Traffic Guidelines Manual

ORIGINATOR State Traffic Engineer	3-2-1
CHAPTER 3	Markings
SECTION 2	Applications
SUBJECT 1	Long Line Markings (Center/Edge/Lane/ Broken Lane/ Dotted Line/ Channelizing/Bike Lane)

General

The purpose of this policy is to provide specific guidance for the uniform application of long line markings on State Highways under DOT jurisdiction. The 2009 MUTCD, [Section 3B](#) contains further guidance on longline markings.

Centerline Markings

Centerline markings **shall** be a 4" wide yellow line. Dashed lines **shall** be 12.5' long with a 37.5' gap.

Centerlines markings **shall** be marked on:

- All highways under DOT jurisdiction
- Through all intersections with local roads on two-lane state highways.
- On undivided multilane highway with a double yellow line

Centerline markings **shall not** be marked through:

- Intersections where the state highway is more than two lanes
- Intersections where Interstate, US, or State Highways intersect
- Signalized intersections
- All way stop
- Intersections with opposing left turn lanes.
- Stop lines or marked crosswalks.

Further information on centerline markings are located in [Section 3B.01](#) of the 2009 MUTCD.

Edge line Markings

The 2009 MUTCD, [Section 3B.06](#), describes edge line markings in more detail. Edge line markings **shall** be a 4" white line on the edge of the roadway except the left most edge line on a divided highway **shall** be yellow.

Edge line markings **shall**:

- Continue through all driveways (commercial or private) except major commercial driveways (big box stores, etc.)
- Be used on freeways and expressways
- Be used on rural arterial roads with a traveling width of at least 20 feet and an ADT > 6,000 vehicles per day
- Urban areas with a travel lane of 16 ft. or greater.

Edge line markings **shall not** continue through:

- Intersections with more than two lane
- Intersections where Interstate, US, or State Highways intersect
- Intersections with opposing left turn lanes
- Signalized intersections
- Stop controlled intersections
- Commercial driveways meeting intersection design standards with full width paved turn lanes.

Edge lines *should* be used in urban areas or semi urban areas that do not have curb and gutter as required in MUTCD 2009 [Section 3B.07](#).

Edge Lines Adjacent To Urban Curb & Gutter Sections

POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 mph	No	Optional
35 mph or 40 mph	Optional	Recommended
≥ 45 mph	Recommended	Required

Lane Line Markings

Lane lines **shall** be marked to delineate traffic traveling in the same direction. Lane lines **shall** be a 4” wide white line that is 12.5 foot long with a 37.5 foot gap between lines. Lane lines **shall** be marked on all state highways under DOT jurisdiction. Lane lines **shall** be marked through minor intersections and major T-intersections on the state highways, see [SDD 15C8 sheets b and c](#).

Dotted Lane Lines

According to the MUTCD, [Section 3B.04](#), a dotted line (3’ line, 9’ gap) *maybe* used as a substitute lane line. This line **shall** be 4” wide and **shall** be used to separate a through lane that continues beyond an intersection or interchange from an adjacent lane under the following conditions:

- A deceleration or acceleration lane
- A through lane that becomes a mandatory turn or exit lane ([SDD 15C8-sheet e](#), [SDD 15C28](#))
- Auxiliary lane
- Tapered Exit Ramps ([SDD 15C31 sheets a, b, and d](#))
- Parallel Exit (Deceleration) Ramps ([SDD 15C 31 sheet c](#))

Dotted Extension Lines

Dotted extensions **shall** be added to provide guidance past exits or *may* be added through intersections on curves where the edge of the traveled lane is unclear. A dotted extension line *may* be continued through an uncontrolled movement of a state highway intersection with another highway. If these lines are used through an intersection they **shall** be 2' lines with a 6' gap and the same width as the line that is being extended see in [SDD 15C8-17 sheet e](#).

Channelizing Lines

Channelizing lines **shall** be white and 8" in width. Channelizing lines **shall** be used in the following locations:

- In advance of an exit ramps or intersections to distinguish a lane. (3 foot line with a 9 foot gap) [SDD 15C8-17 sheet e](#)
- In advance of freeway route splits with dedicated lanes.
- To separate a through lane that continues beyond an intersection from an adjacent auxiliary lane between two intersections [SDD 15C8-17b](#)
- Exit gore markings **shall** extend fifty feet past the unpaved neutral area and 300 feet to begin the gore line, as shown on [SDD 15C 8-13g](#) and [SDD 15C31 sheet b](#).
- Entrance gore marking **shall** follow [SDD 15C31-1a](#)

Channelizing markings **shall not** be marked through:

- Signalized intersections.
- Intersections at a 4 way stop.
- Stop lines or marked crosswalks.

Bike Lane

If bike lanes are marked it **shall** be at least 5 ft. wide. Refer to [SDD 15C29](#) in the FDM. The words "BIKE LANE" or the bike symbol *maybe* used to delineate the bike lane. Signing *may* also be used to supplement the marking. The [DT2500 form](#) shall be completed to permit locals to install/maintain bike lanes and the [DT2137](#) form shall be completed to permit the locals to install/maintain Shared Lane Markings.

The usage of green pavement marking for bike lanes or bike boxes **shall not** be allowed on state maintained roadways.