

Multi-Lane Undivided Roads

A roadway having two or more lanes of traffic traveling in the same direction with no physical barriers separating the opposing traffic lane.

**Drawings Not To Scale*



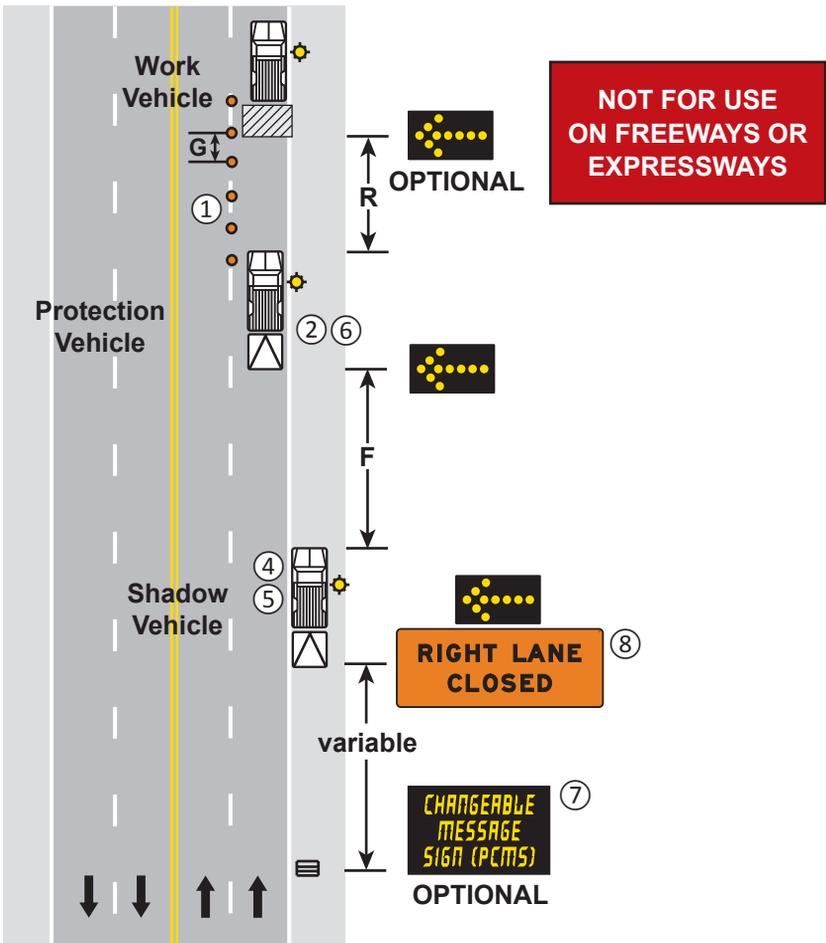
Multi-Lane
Undivided

MULTI-LANE UNDIVIDED ROADS				
	MOBILE 15 Minutes or Less	SHORT DURATION 1 Hour or Less	SHORT TERM 12 Hours or Less	INTERMEDIATE TERM 3 Days or Less
Work Vehicle Parked on Shoulder	6		8	
Work on Shoulder	9		8	
Work off Shoulder	8			
Work off Roadway	10			
Shoulder or Parking Lane Closure	8			
Partial Shoulder Closure for Trailer Mounted Devices	7			
Lane Closures				
Mobile/Short Duration	41			
Near Intersection	63	33, 34, 45, 46, 47		
Left Lane	43, 46			
Right Lane	42, 45			
Turn Lane	33, 34			
Double Lane	44, 47			
Temporary Road Closure (15 minute intervals)	48			
Temporary Road Closure	32			
Sidewalk Closure	88, 89			
Bike Lane Closure	87			
Crossroad and Confirmation Signing	35			

See Two-Way Left Turn Lane Section for layouts appropriate for roads with Two-Way Continuous Left Turn Lanes.

NOTES:

- ① Channelizing devices may be omitted if the operation moves at least the Decision Sight Distance (**D**) every 15 minutes or less (mobile operation).
- ② May use additional Protection Vehicle (not shown on layout) to close shoulder in advance of Work Vehicle.
- 3. Any Shadow Vehicle or Protection Vehicle operating totally or partially in a traffic lane should be equipped with a TMA.
- ④ The Shadow Vehicle may encroach into the traffic lane when the shoulder is too narrow to drive on.
- ⑤ The Shadow Vehicle may be omitted when the posted speed limit is 40 mph or less.
- ⑥ If the Shadow Vehicle is not used and there is no PCMS, the Protection Vehicle must have a RIGHT LANE CLOSED sign.
- ⑦ The PCMS shall be used for nighttime operations.
- ⑧ When the PCMS is used, the RIGHT LANE CLOSED sign becomes optional.

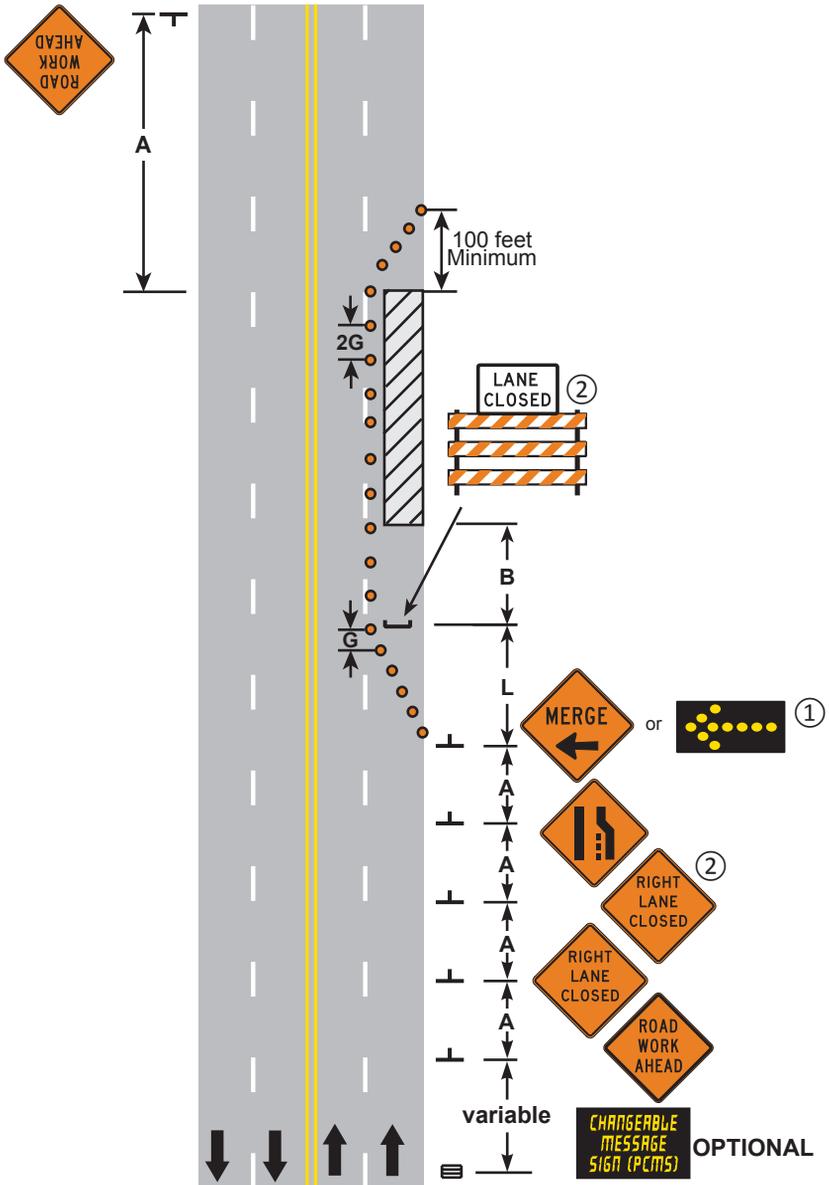


**MOBILE/SHORT DURATION LANE CLOSURE
MULTI-LANE UNDIVIDED ROAD**

1 HOUR or LESS

NOTES:

- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
 - ② The RIGHT LANE CLOSED sign and/or LANE CLOSED sign may be omitted when the posted speed limit is 40 mph or less.
3. If there is a shoulder, close the shoulder using a shoulder taper.



**RIGHT LANE CLOSURE
MULTI-LANE UNDIVIDED ROAD**

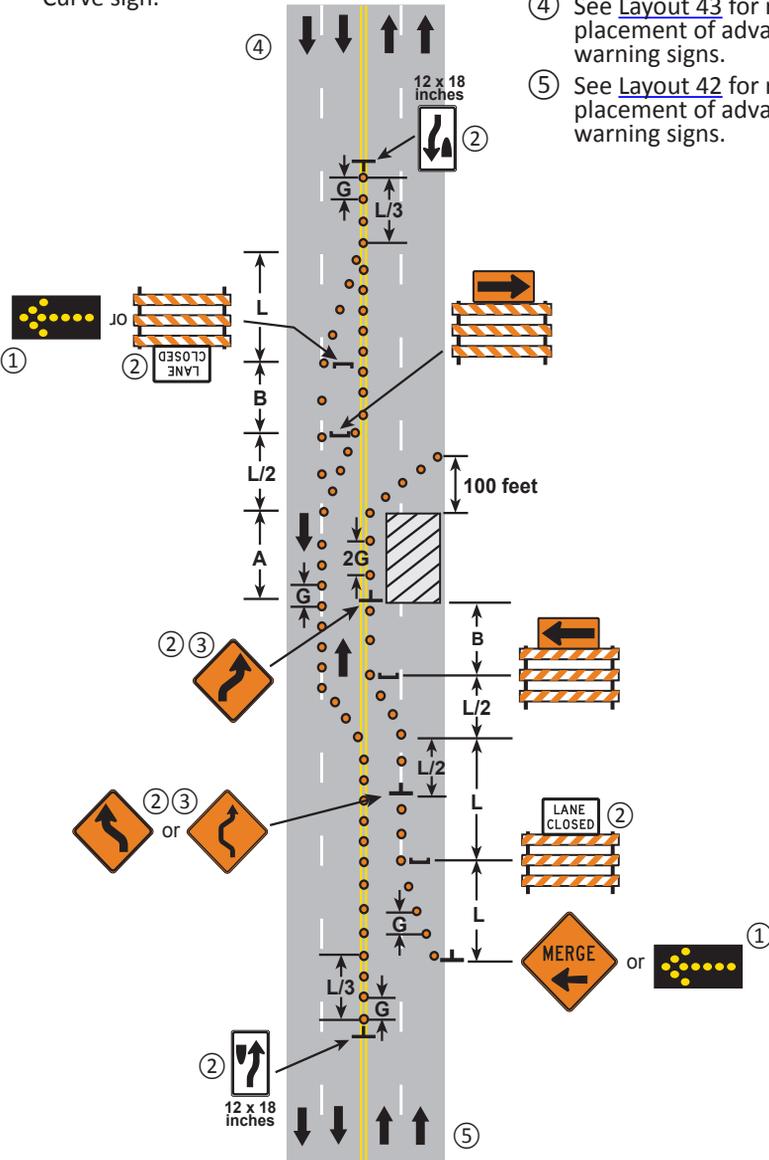
3 DAYS or LESS

LAYOUT 42

NOTES:

- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ② The LANE CLOSED, Reverse Curve, Double Reverse Curve, and/or Keep Right signs may be omitted when the posted speed limit is 40 mph or less.
- ③ If the tangent length of activity area is 600 feet or less, use the Double Reverse Curve sign. Remove the Reverse Curve sign(s) if using the Double Reverse Curve sign.

- ④ See [Layout 43](#) for required placement of advanced warning signs.
- ⑤ See [Layout 42](#) for required placement of advanced warning signs.



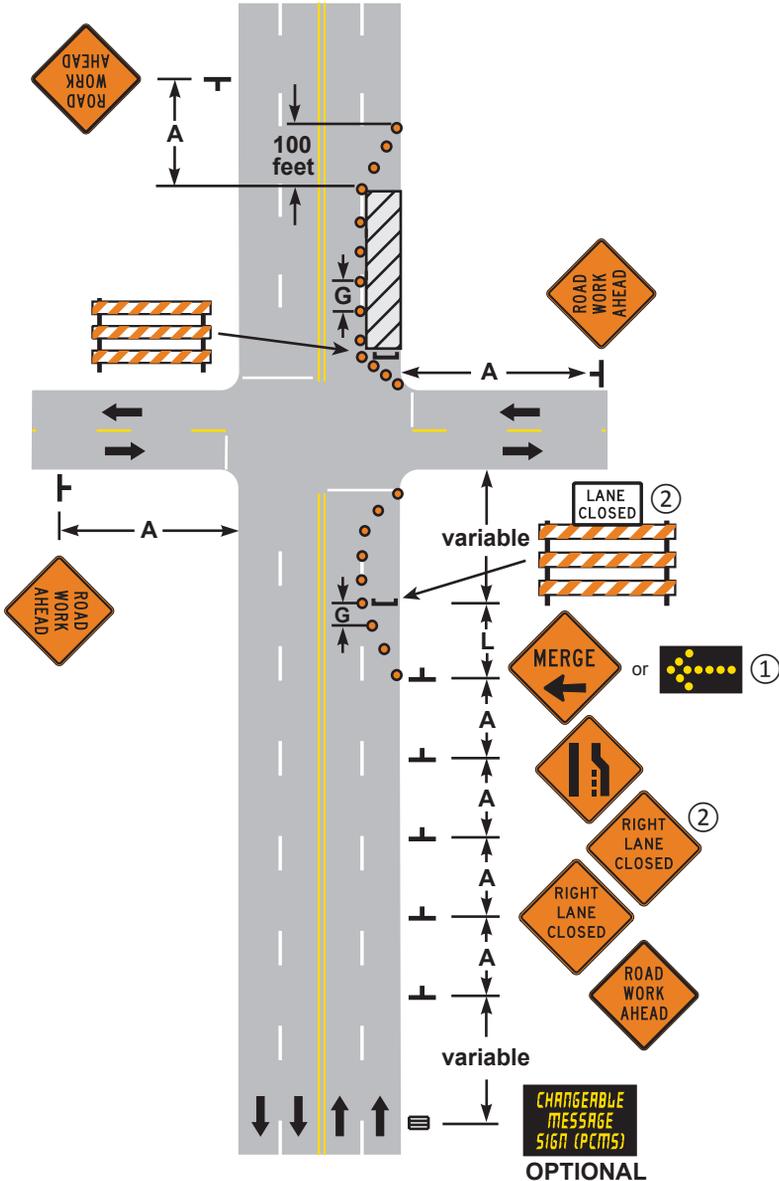
**DOUBLE LANE CLOSURE
MULTI-LANE UNDIVIDED ROAD**

3 DAYS or LESS

LAYOUT 44

NOTES:

- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ② The RIGHT LANE CLOSED and/or LANE CLOSED sign may be omitted when the posted speed limit is 40 mph or less.
- 3. If there is a shoulder, close the shoulder using a shoulder taper.



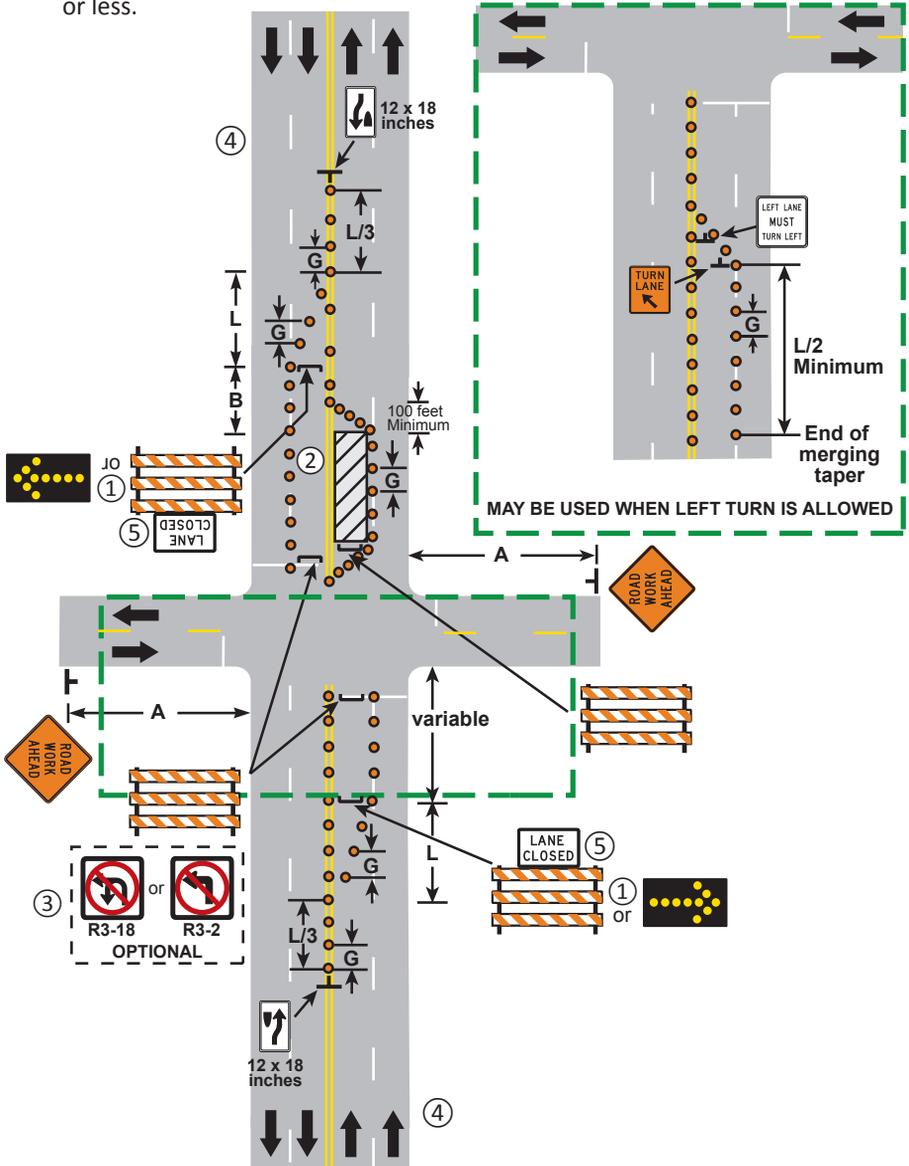
RIGHT LANE CLOSURE
Work Space at Intersection
MULTI-LANE UNDIVIDED ROAD

3 DAYS or LESS

LAYOUT 45

NOTES:

- ① Place device at the end of the taper. The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater.
- ② The lane closure may be omitted when the workers are not at the work site.
- ③ Optional R3-18 or R3-2 signs may be placed on sign stand or top of barricades on side closest to traffic. Signs are required if turns are prohibited.
- ④ See [Layout 43](#) for required placement of advance warning signs.
- ⑤ The LANE CLOSED signs may be omitted when the posted speed limit is 40 mph or less.



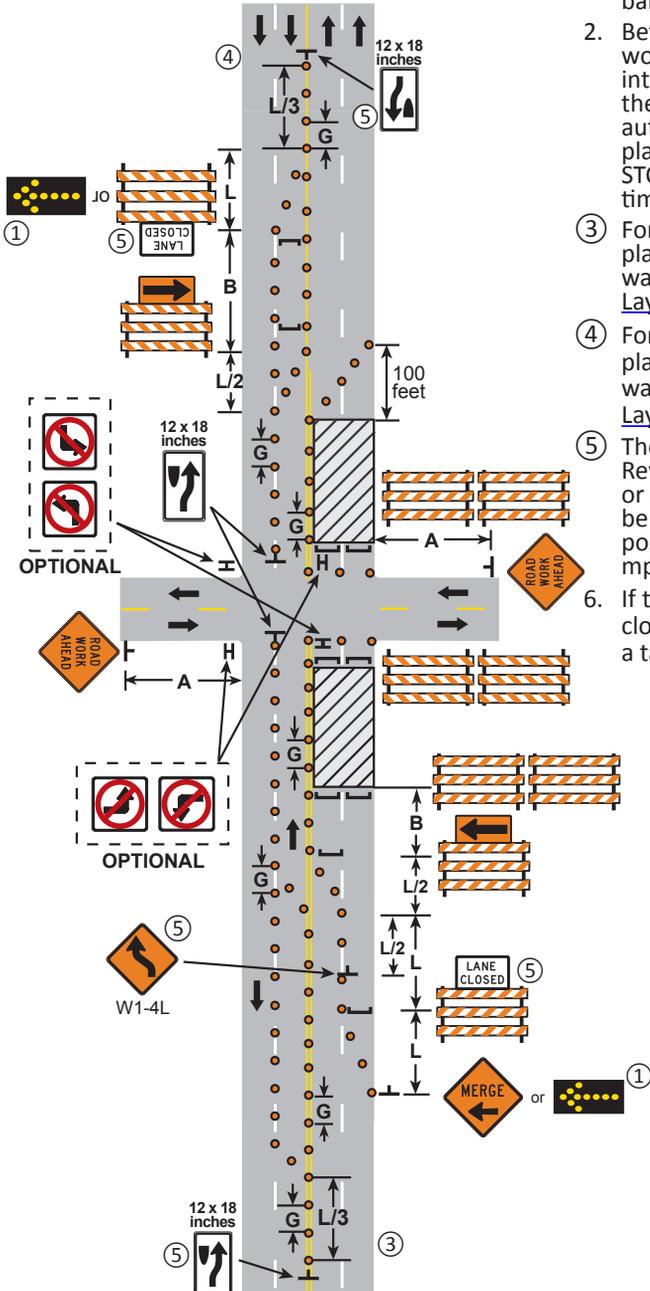
LEFT LANE CLOSURE
Work Space at Intersection
MULTI-LANE UNDIVIDED ROAD

3 DAYS or LESS

LAYOUT 46

NOTES:

- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ② Before beginning work at any signalized intersection, contact the appropriate road authority for the placement of temporary STOP signs or signal timing modifications.
- ③ For the required placement of advance warning signs, see [Layout 42](#).
- ④ For the required placement of advance warning signs, see [Layout 43](#).
- ⑤ The LANE CLOSED sign, Reverse Curve sign and/or Keep Right sign may be omitted when the posted speed limit is 40 mph or less.
6. If there is a shoulder, close the shoulder using a taper.



**DOUBLE LANE CLOSURE AT INTERSECTION
MULTI-LANE UNDIVIDED ROAD**

3 DAYS or LESS

LAYOUT 47

