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 ROADS

<table>
<thead>
<tr>
<th>Work Type</th>
<th>MOBILE 15 Minutes or Less</th>
<th>SHORT DURATION 1 Hour or Less</th>
<th>SHORT TERM 12 Hours or Less</th>
<th>INTERMEDIATE TERM 3 Days or Less</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Vehicle Parked on Shoulder</td>
<td>6</td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Work on Shoulder</td>
<td>9</td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Work off Shoulder</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Work off Roadway</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shoulder or Parking Lane Closure</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Partial Shoulder Closure for Trailer Mounted Devices</td>
<td></td>
<td></td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

### Lane Closures

<table>
<thead>
<tr>
<th>Mobile/Short Duration</th>
<th>41</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Near Intersection</td>
<td>63</td>
<td></td>
<td>33, 34, 45, 46, 47</td>
<td></td>
</tr>
<tr>
<td>Left Lane</td>
<td></td>
<td></td>
<td>43, 46</td>
<td></td>
</tr>
<tr>
<td>Right Lane</td>
<td></td>
<td></td>
<td>42, 45</td>
<td></td>
</tr>
<tr>
<td>Turn Lane</td>
<td></td>
<td></td>
<td>33, 34</td>
<td></td>
</tr>
<tr>
<td>Double Lane</td>
<td></td>
<td></td>
<td>44, 47</td>
<td></td>
</tr>
<tr>
<td>Temporary Road Closure (15 minute intervals)</td>
<td></td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Temporary Road Closure</td>
<td></td>
<td></td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Sidewalk Closure</td>
<td></td>
<td></td>
<td>88, 89</td>
<td></td>
</tr>
<tr>
<td>Bike Lane Closure</td>
<td></td>
<td></td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Crossroad and Confirmation Signing</td>
<td></td>
<td></td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

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.

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.

⑤ The PCMS shall be used for nighttime operations.

⑧ When the PCMS is used, the RIGHT LANE CLOSED sign becomes optional.
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.
NOTES:

1. The advance warning sign sequence is shown for one way direction only. Signing from the other direction shall be identical.

2. 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.

3. Lane may be opened when workers are not present in the work area or when the speed limit is 40 mph or less. Place channelizers on centerline when opening lane.

4. The LANE CLOSED sign and/or LEFT LANE CLOSED sign may be omitted when the posted speed limit is 40 mph 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 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
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.
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.
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
NOTES:
1. The road authority shall be contacted prior to closure.
2. Traffic should not be stopped for intervals greater than 15 minutes.
   (3) The BE PREPARED TO STOP sign and the Flashing Arrow Board shall be used when the posted speed limit is 45 mph or greater.
(4) Law Enforcement may be used instead of or in addition to a flagger.
(5) Traffic control shall be identical for both directions. See Layout 43 for required placement of advance warning signs.
(6) The LANE CLOSED sign is optional if posted speed limit is 40 mph or less.