SECTION E3  LEVEL 1 ROADS
SIGNS AND LAYOUT DIAGRAMS

MOBILE OPERATIONS

E3.1 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Work Vehicle is more than five (5) metres from the Edge Line

E3.2 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:
- Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is more than the Clear Sight Distance, or
- Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is less than 65 km/h

E3.3 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is greater than 65 km/h

E3.4 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Work Vehicle is in a Lane, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is less than 65 km/h

E3.5 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Work Vehicle is in a Lane, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is greater than 65 km/h

E3.6 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Work Vehicle is in a Lane, and both Forward and Rear Visibility is less than the Clear Sight Distance

E3.7 MOBILE CLOSURE - TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD: Work Vehicle in the Right Lane

E3.8 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD: Personnel on the Road

E3.9 SEMI-STATIC CLOSURE - TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD: Part or All of a Lane Occupied

TMP DIAGRAM

E4.1 TYPICAL LEVEL 1 ROAD TMP DIAGRAM: Right Lane Closure on a Two-Lane Divided or Two-Lane One-Way Road
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E3.1: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD
Work Vehicle is more than five (5) metres from the Edge Line
E3.2: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD \((ANY\ SPEED)\)

Work Vehicle is within five (5) metres of the Edge Line, and
the Rear Visibility is more than the Clear Sight Distance,
or
Work Vehicle is within five (5) metres of the Edge Line, and
the Rear Visibility is less than the Clear Sight Distance, and
the permanent speed limit is less than 65 km/h
E3.3: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD

Work Vehicle is within five (5) metres of the Edge Line, and
the Rear Visibility is less than the Clear Sight Distance, and
the permanent speed limit is greater than 65 km/h
E3.4: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD

Work Vehicle is in a lane, and
the Rear Visibility less than the Clear Sight Distance, and
the permanent speed limit is less than 65km/h
E3.5: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD

Work Vehicle is in a Lane, and
the Rear Visibility less than the Clear Sight Distance, and
the permanent speed limit is greater than 65 km/h
E3.6: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD
Work Vehicle is in a Lane, and both Forward and Rear Visibility is less than the Clear Sight Distance
E3.7: MOBILE CLOSURE
TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD
Work Vehicle in the Right Lane
E3.8: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD
Personnel on the Road
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Permanent Speed Limit

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<th>km/h</th>
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<th>60</th>
<th>70</th>
<th>80</th>
<th>100</th>
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<tr>
<td>m</td>
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Traffic Signs

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<th>Sign Visibility Distance</th>
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<td>A</td>
<td>Warning Distance</td>
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<td>90</td>
<td>105</td>
<td>120</td>
<td>150</td>
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<tr>
<td>C</td>
<td>Sign Spacing</td>
<td>35</td>
<td>45</td>
<td>50</td>
<td>60</td>
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Safety Zones

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<th>20</th>
<th>30</th>
<th>45</th>
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<tr>
<td>E</td>
<td>Lateral</td>
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</tr>
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<td>1. Behind Cones etc</td>
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<td>1</td>
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<td></td>
<td>2. Behind Concrete Barrier</td>
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<td>3. Behind Other Barriers</td>
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<td></td>
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<td></td>
<td>As recommended by manufacturers</td>
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Tapers

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<tr>
<th></th>
<th>Length Per Lane**</th>
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<th>70</th>
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<tr>
<td>K</td>
<td>Minimum Distance between Tapers</td>
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Delineation Devices

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<td>Spacing (On Approaches, Between Tapers and Around the Working Area)</td>
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<td>10</td>
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Table C2.2: Layout Distances for Level 1 Traffic Management

* A longitudinal safety zone is not required when a barrier completely protects the approach end of the site.

** Taper length is based on a single lane shift of 3.5m. A 30m long taper may be used at all permanent speed limits to divert vehicles past a work site controlled by either Manual Traffic Controllers (MTC’s) or portable traffic signals, provided a 30 km/h temporary speed limit has been applied. Delineation devices shall be placed at 2.5m centres.

Except for the delineation device spacing, which is a maximum distance, the distances specified in the above table are minimum distances.

Minimum Lane Widths

<table>
<thead>
<tr>
<th>Permanent/Temporary Speed</th>
<th>30 km/h</th>
<th>50 km/h</th>
<th>60 km/h</th>
<th>70 km/h</th>
<th>80 km/h</th>
<th>100 km/h</th>
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<tbody>
<tr>
<td>F</td>
<td>Minimum Lane Width</td>
<td>2.75 m</td>
<td>3.00 m</td>
<td>3.00 m</td>
<td>3.25 m</td>
<td>3.25 m</td>
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Table C2.5: Minimum Lane Widths

Where the traffic flow contains a high proportion of heavy vehicles wider lanes may be required for efficient traffic operation. Lane widths should, however, never be greater than 4m.
E3.9: SEMI-STATIC CLOSURE
TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD
Part or All of a Lane Occupied
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E4.1: TYPICAL LEVEL 1 ROAD TMP DIAGRAM
Right Lane Closure on a Two-Lane Divided Road or a Two-Lane One-Way Road
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