SECTION F2   LEVEL 2 ROADS
SIGNS AND LAYOUT DIAGRAMS

MOBILE OPERATIONS

F2.1 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is More than five (5) metres from an Edge Line

F2.2 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work vehicle is between two (2) and five (5) metres from the Edge Line, and either Rear Visibility is more than Clear Sight Distance, or Rear Visibility is less than Clear Sight Distance, and Permanent Speed is less than 65 km/h

F2.3 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is between two (2) and five (5) metres from an Edge Line, and Rear Visibility is Less than Clear Sight Distance, and the Permanent Speed Limit is Greater than 65 km/h

F2.4 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and the Permanent Speed Limit is Less than 65 km/h

F2.5 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and the Permanent Speed Limit is Greater than 65 km/h

F2.6 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is on the Live Lane and the Permanent Speed Limit is Less than 65 km/h

F2.7 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Work Vehicle is on the Live Lane and the Permanent Speed Limit is Greater than 65 km/h

F2.8 MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD: Personnel on the Live Lane

F2.9 MOBILE CLOSURE – TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 2 ROAD: Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and the Permanent Speed Limit is Less than 65 km/h

F2.10 MOBILE CLOSURE – TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 2 ROAD: Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and the Permanent Speed Limit is Greater than 65 km/h

F2.11 MOBILE CLOSURE – TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 2 ROAD: Work Vehicle is on the Live Lane and the Permanent Speed Limit is Less than 65 km/h

F2.12 MOBILE CLOSURE – TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 2 ROAD: Work Vehicle is on the Live Lane and the Permanent Speed Limit is Greater than 65 km/h

F2.13 SEMI-STATIC CLOSURE - TWO-LANE ONE-WAY LEVEL 2 ROAD: Part or All of a Lane Occupied
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F2.1: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD
Work Vehicle is more than five (5) metres from an Edge Line
F2.2: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD
Work vehicle is between two (2) and five (5) metres from an Edge Line, and
the Rear Visibility is more than, or less than, the Clear Sight Distance,
and the Permanent Speed is less than 65 km/h
F2.3: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Work Vehicle is between two (2) and five (5) metres from an edge line, and Rear Visibility is less than Clear Sight Distance, and the Permanent Speed limit is greater than 65 km/h
F2.4: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and the Permanent Speed limit is less than 65 km/h
F2.5: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Work Vehicle is between Zero (0) and two (2) metres from an Edge Line, and the Permanent Speed limit is greater than 65 km/h
F2.6: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Work Vehicle is on the Live Lane, and
the Permanent Speed limit is less than 65 km/h
F2.7: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Work Vehicle is on the Live Lane, and
the Permanent Speed limit is greater than 65 km/h
F2.8: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 2 ROAD

Personnel on the Live Lane

NOTE:
1. A Lead Pilot Vehicle is required when Forward Visibility to the leading Work Vehicle(s) is less than Clear Sight Distance, continuously for more than 1km.

Key:
- TMA

SIGN NUMBERING
REFERS TO MOTSAM AS AT 1 SEPT 2002
F2.9: MOBILE CLOSURE - TWO-LANE DIVIDED, or
TWO-LANE ONE-WAY LEVEL 2 ROAD

Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and
the Permanent Speed Limit is less than 65km/h
F2.10: MOBILE CLOSURE - TWO-LANE DIVIDED,  
or TWO-LANE ONE-WAY LEVEL 2 ROAD  
Work Vehicle is between zero (0) and two (2) metres from an Edge Line, and  
the Permanent Speed Limit is greater than 65km/h
F2.11: MOBILE CLOSURE - TWO-LANE DIVIDED, or TWO-LANE ONE-WAY LEVEL 2 ROAD
Work Vehicle is on the Live Lane and the Permanent Speed Limit is less than 65km/h
F2.12: MOBILE CLOSURE - TWO-LANE DIVIDED, or TWO-LANE ONE-WAY LEVEL 2 ROAD
Work Vehicle is on the Live Lane, and
the Permanent Speed Limit is greater than 65km/h
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Permanent Speed Limit

<table>
<thead>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>m</td>
<td>m</td>
<td>m</td>
<td>m</td>
<td>m</td>
</tr>
</tbody>
</table>

Traffic Signs

A Sign Visibility Distance
- 60 m
- 70 m
- 80 m
- 100 m
- 120 m

C Sign Spacing *
- 50 m
- 60 m
- 70 m
- 80 m
- 100 m

Safety Zones

D Longitudinal *
- 15 m
- 20 m
- 30 m
- 45 m
- 60 m

E Lateral
1. Behind Cones etc
- 1 m
- 1 m
- 1 m
- 1 m
- 1 m
2. Behind Concrete Barrier
- 0.5 m
- 0.5 m
- 0.5 m
- 0.5 m
- 0.5 m
3. Behind Other Barriers
- As recommended by manufacturers

Tapers

H Initial Taper Length Per Lane**
- 90 m
- 100 m
- 120 m
- 150 m
- 180 m

I Subsequent Taper Length Per Lane **
- 50 m
- 60 m
- 70 m
- 80 m
- 100 m

K Minimum Distance between Tapers
- 50 m
- 60 m
- 70 m
- 80 m
- 100 m

Delineation Devices

<table>
<thead>
<tr>
<th>Spacing</th>
<th>ALL Tapers</th>
<th>Approaches, between Tapers and around the Working Space</th>
<th>At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.5 m</td>
<td>5 m</td>
<td>2.5m for 10m either side of a change in alignment</td>
</tr>
<tr>
<td></td>
<td>2.5 m</td>
<td>5 m</td>
<td>2.5m for 20m either side of a change in alignment</td>
</tr>
<tr>
<td></td>
<td>2.5 m</td>
<td>10 m</td>
<td>2.5m for 20m either side of a change in alignment</td>
</tr>
<tr>
<td></td>
<td>2.5 m</td>
<td>10 m</td>
<td>2.5m for 20m either side of a change in alignment</td>
</tr>
</tbody>
</table>

Table C2.3: Layout Distances for Level 2 Traffic Management

* No longitudinal safety zone is required when a barrier completely protects the approach end of the site.
** Only applicable where the taper is located a sufficient distance from a temporary speed restriction for drivers to have slowed down to the temporary speed. Taper length is based on a single lane shift of 3.5m
*** Taper length is based on a single lane shift of 3.5m

Where only one sign is erected in advance of the start of a cone taper the distance from the sign to the start of the taper must be 2C.

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>
</tr>
</thead>
<tbody>
<tr>
<td>F 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>
<td>3.50 m</td>
</tr>
</tbody>
</table>

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.
F2.13: SEMI STATIC CLOSURE - TWO-LANE ONE-WAY LEVEL 2 ROAD
Part or All of a Lane Occupied