

SECTION 6

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

J* ne 20FG

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

June 20FG

CONTENTS

Reference	Page Number	Page Date
SECTION 6: MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS		
6.1 GENERAL	6 - 1	June 2009
6.2 MOTORWAY/EXPRESSWAY/TOLLROAD NAMING	6 - 1	June 2009
6.3 MOTORWAY/EXPRESSWAY BEGINS SIGNING	6 - 1	June 2009
6.3.1 MOTORWAYS	6 - 1	June 2009
6.3.2 EXPRESSWAYS.....	6 - 1	June 2009
FIGURE 6.1 MOTORWAY BEGINS SIGNS	6 - 1	June 2009
FIGURE 6.2 EXPRESSWAY BEGINS SIGNS.....	6 - 1	June 2009
6.4 MOTORWAY/EXPRESSWAY ENDS SIGNING.....	6 - 2	June 2009
6.4.1 MOTORWAYS	6 - 2	June 2009
6.4.2 EXPRESSWAYS.....	6 - 2	June 2009
6.5 TOLL ROAD BEGINS/ENDS SIGNING.....	6 - 2	June 2009
6.6 MOTORWAY ON AND OFF RAMP COMBINATION SIGNS	6 - 2	June 2009
FIGURE 6.3 MOTORWAY ENDS SIGNS.....	6 - 2	June 2009
FIGURE 6.4 EXPRESSWAY ENDS SIGNS	6 - 2	June 2009
FIGURE 6.5 MI - 30 'MOTORWAY BEGINS' SIGN	6 - 3	June 2009
FIGURE 6.6 MI - 33 'MOTORWAY' SIGN (ON-RAMP).....	6 - 4	June 2009
FIGURE 6.7 MI - 33.1 'MOTORWAY' SIGN (NAMED MOTORWAY ON-RAMP)	6 - 5	June 2009
FIGURE 6.8 EI - 30.1 'EXPRESSWAY BEGINS' SIGN (NAMED EXPRESSWAY)	6 - 6	June 2009
FIGURE 6.9 EI - 33.1 'EXPRESSWAY' SIGN (NAMED EXPRESSWAY ON-RAMP).....	6 - 7	June 2009
FIGURE 6.10 MI - 31 'MOTORWAY ENDS 400 m'. SIGN.....	6 - 8	June 2009
FIGURE 6.11 MI - 32 'MOTORWAY ENDS' SIGN.....	6 - 9	June 2009
FIGURE 6.12 MI - 34 'MOTORWAY ENDS' SIGN (OFF-RAMP).....	6 - 10	June 2009
FIGURE 6.13 MI - 35 ADVANCE 'TOLL ROAD BEGINS 2 km' SIGN	6 - 11	June 2009
FIGURE 6.14 MI - 36 'TOLL ROAD BEGINS' SIGN.....	6 - 12	June 2009
FIGURE 6.15 MI - 37 'TOLL ROAD ENDS' SIGN	6 - 13	June 2009
FIGURE 6.16 MI – 33.2 MOTORWAY COMBINED SPEED LIMIT/MOTORWAY/NO PEDESTRIANS/NO CYCLISTS SIGN (NAMED MOTORWAY ON RAMP)	6 - 14	June 2009
FIGURE 6.17 MI – 34.1 MOTORWAY COMBINED SPEED LIMIT/MOTORWAY ENDS SIGN (OFF RAMP)	6 - 15	June 2009
FIGURE 6.18 MI - 38 MOTORWAY COMBINED WRONG WAY/ONE WAY (ON RAMP)	6 - 16	June 20FG

6. MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

6.1 GENERAL

Expressways are usually dual carriageway road with full or partial control of access. They are generally high standard all-purpose roads that cater mainly for through traffic and do not have any traffic operational restrictions imposed on them. Intersections may be at-grade or grade separated.

A motorway is a designated section of road to which certain traffic restrictions have been applied, to provide a better vehicular traffic operating environment. The traffic operating restrictions normally applied under a motorway designation are:

- 'No Stopping', and
- a ban on all animal, pedestrian and cycle traffic.

Signs must be erected at each end of a section of road declared motorway, to inform drivers that special traffic operational restrictions apply over that section of road.

Signs must also erected at each motorway on-ramp to advise drivers that that motorway traffic conditions apply on the road they are entering and at each off-ramp to advise drivers that motorway traffic conditions end.

The locations of the motorway begin/ends signs at motorway entrances and exits are shown In FIGURES 2.7 and 2.8.

Toll Roads are typically sections of motorway that with payment of a toll offer drivers the choice of a more direct and safer route between two locations. Drivers are able to choose whether to use a toll road, as the law sets out a requirement for a feasible, free alternative route.

Signs must be erected prior to a section of motorway declared a toll road, to inform drivers that a toll road is ahead, the alternative free route and the toll per type of vehicle. Toll road begins/ends signs shall be erected in accordance with Section 6.5.

6.2 MOTORWAY/EXPRESSWAY/TOLLROAD NAMING

Where motorway/expressway/toll road naming is implemented the relevant name may be shown on signs at the beginning of a motorway or expressway route and on the MI - 33 and EI - 33 signs erected on on-ramps to motorways and expressways.

Names shall be centre justified above the word 'MOTORWAY' or 'EXPRESSWAY'. Typical signs are illustrated and detailed In FIGURES 6.7, 6.8 and 6.9.

6.3 MOTORWAY/EXPRESSWAY BEGINS SIGNING

6.3.1 MOTORWAYS

An MI - 30 'MOTORWAY BEGINS' sign must be erected at the start of each section of road designated as a motorway on the left hand side.

Where a road changes from expressway to a motorway an MI - 30 sign must be erected at the start of the motorway designation on the left hand side. An EI - 32 'EXPRESSWAY ENDS' sign may be erected at an appropriate sign spacing distance in advance of the MI - 30 sign.

An MI - 33 'MOTORWAY' sign must be erected at all

motorway entrances. These signs should be located on the left hand side of the on-ramp, approximately 30 m from the on-ramp terminal intersection.

Typical MI - 30 and MI - 33 signs are illustrated In FIGURE 6.1 and detailed In FIGURES 6.5 and 6.6.



MI - 30



MI - 33

FIGURE 6.1: MOTORWAY BEGINS SIGNS

6.3.2 EXPRESSWAYS

An EI - 30 'EXPRESSWAY BEGINS' sign may be erected at the start of a section of road described as an expressway on the left hand side.

Where a motorway ends and the road continues on as an expressway, an EI - 30 sign may be erected on the left hand side at the appropriate sign spacing distance past the MI - 32 MI - 32 'MOTORWAY ENDS' sign.

An EI - 33 'EXPRESSWAY' sign may also be erected at expressway entrances. These signs should be located on the left hand side of the on-ramp, approximately 30 m from the on-ramp terminal intersection.

Typical EI - 30 and EI - 33 signs are illustrated In FIGURE 6.2 below detailed In FIGURES 6.8 and 6.9.



EI - 30



EI - 33

FIGURE 6.2: EXPRESSWAY BEGINS SIGNS

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

June 2009

6.4 MOTORWAY/EXPRESSWAY ENDS SIGNING**6.4.1 MOTORWAYS**

The end of a motorway must be indicated by:

- an MI - 31 'MOTORWAY ENDS 400 m' sign, erected on the left hand side 400 m in advance of the end of the motorway, and
- an MI - 32 'MOTORWAY ENDS' sign erected on the left hand side at the point where the motorway ends, and
- MI - 34 'MOTORWAY ENDS' signs erected on both sides of the off-ramp at each motorway exit and approximately 30 m in advance of the off-ramp terminal intersection.

Where a motorway ends and the road continues on as an expressway an EI - 30 'EXPRESSWAY BEGINS' sign may be erected to indicate the start of the expressway, at the appropriate sign spacing distance past the MI - 32 sign.

MI - 31, MI - 32 and MI - 34 signs are illustrated in FIGURE 6.3 below, and detailed in FIGURES 6.10, 6.11 and 6.12.



MI - 31



MI - 32



MI - 34

FIGURE 6.3: MOTORWAY ENDS SIGNS**6.4.2 EXPRESSWAYS**

The end of an expressway may be indicated by:

- an EI - 31 'EXPRESSWAY ENDS 400 m' sign erected on the left hand side 400 m in advance of the end of the expressway, and
- an EI - 32 'EXPRESSWAY ENDS' sign erected on the left hand side at the point where the expressway ends, and
- EI - 34 'EXPRESSWAY ENDS' signs erected on both sides of the off-ramp at each expressway exit and approximately 30 m in advance of the off-ramp terminal intersection.

Where a road changes from expressway to a motorway an

MI - 30 sign must be erected at the start of the motorway designation. An EI - 32 'EXPRESSWAY ENDS' sign may be erected at the appropriate sign spacing distance in advance of the MI - 30 sign.

EI - 31, EI - 32 and EI - 34 signs are illustrated in FIGURE 6.4 below. Details are similar to the MI - 31, MI - 32 and MI - 34 signs.



EI - 31



EI - 32



EI - 34

FIGURE 6.4: EXPRESSWAY ENDS SIGNS**6.5 TOLL ROAD BEGINS/ENDS SIGNING**

An MI - 35 'TOLL ROAD BEGINS 'X' km' sign may be erected on the left hand side in advance of the commencement of a toll road.

An MI - 36 'TOLL ROAD BEGINS' sign may be erected on the left hand side at the start of a section of road described as a toll road.

The end of a toll road shall be indicated by an MI - 37 'TOLL ROAD ENDS' sign erected on the left hand side at the point where the toll road ends.

6.6 MOTORWAY ON AND OFF RAMP COMBINATION SIGNS

As mentioned in Section 1.18.2 (a) the introduction on motorways of new traffic management tools such as ramp signals and toll roads has led to a plethora of signs at the entrance to on-ramps and the end of off-ramps. To overcome the associated sign congestion and inconsistent order of signs new combination threshold signs for 'speed limit/motorway or expressway name/no pedestrians/no cycling' and 'speed limit/motorway ends' have been designed and are included in FIGURES 6.16, 6.17 and 6.18. Where approved for use within a region these combination threshold signs should be used.

The signs in FIGURES 6.17 and 6.18 shall be mounted back to back

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

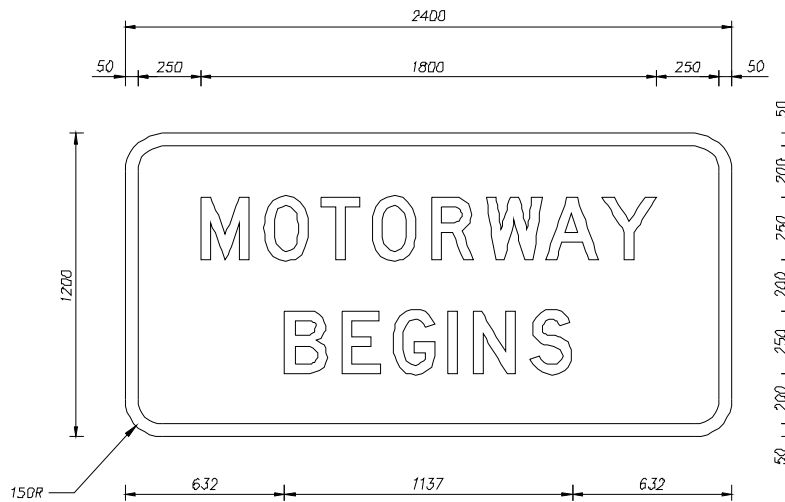
June 2009



MI - 30

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series D 250



NOTE: Ground mounted sign.

MI - 30 'MOTORWAY BEGINS' SIGN

FIGURE 6.5

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

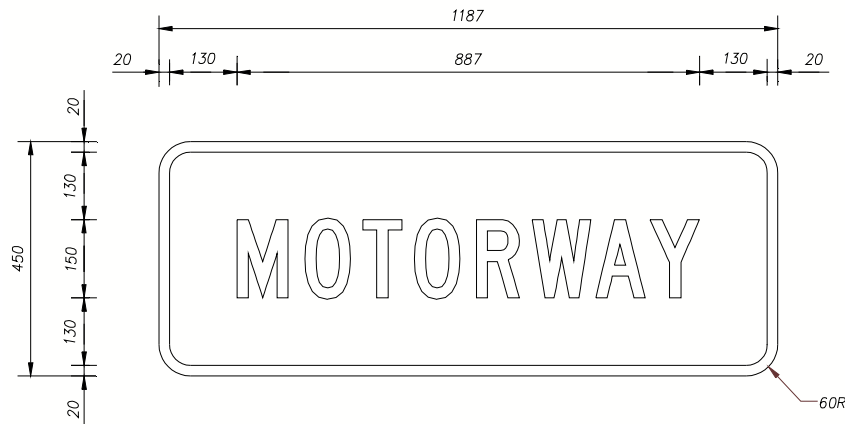
June 2009



MI - 33

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series C 150

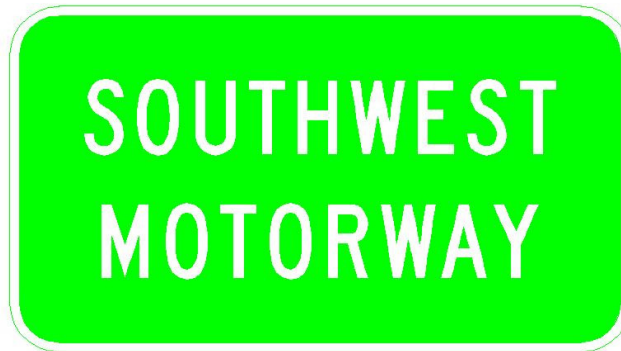


NOTE: Ground mounted sign.

FIGURE 6.6 MI - 33 'MOTORWAY' SIGN (ON-RAMP)

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

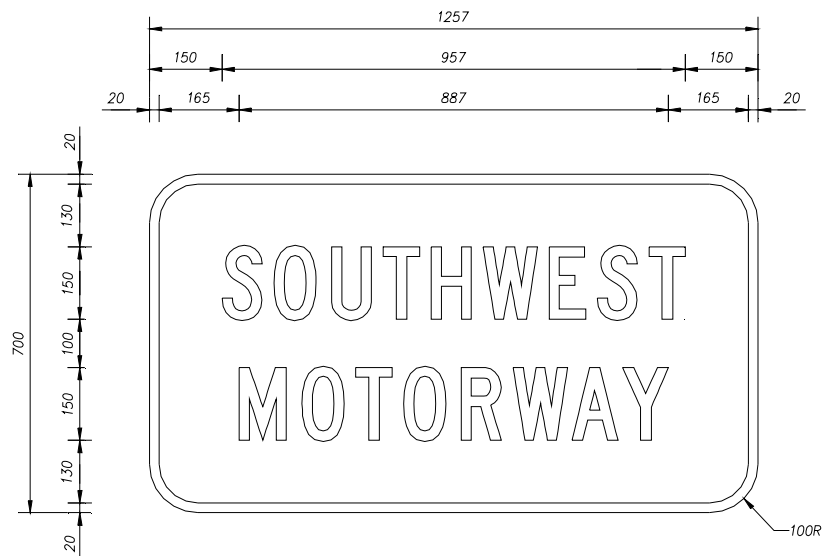
June 2009



MI - 33.1

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series C 150



NOTE Ground mounted sign.

MI - 33.1 'MOTORWAY' SIGN
(NAMED MOTORWAY ON-RAMP)

FIGURE 6.7

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

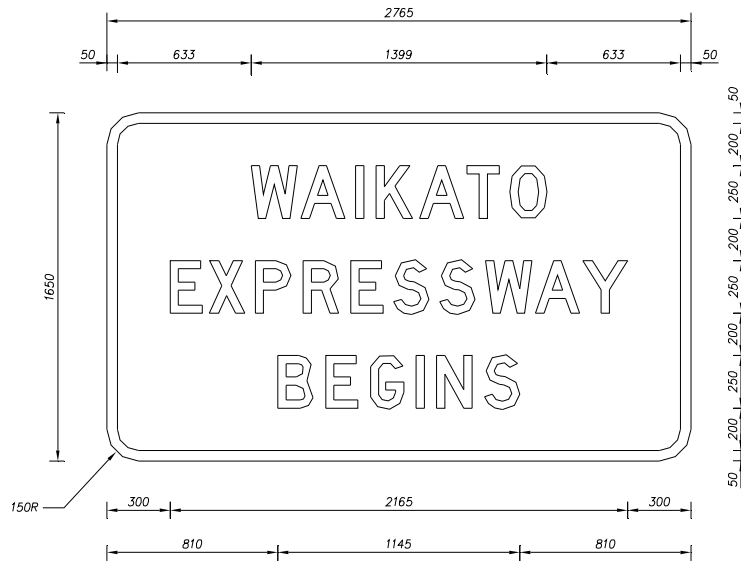
June 2009



EI - 30.1

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series D 250



NOTE: Ground mounted sign

FIGURE 6.8 EI - 30.1 'EXPRESSWAY BEGINS' SIGN (NAMED EXPRESSWAY)

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

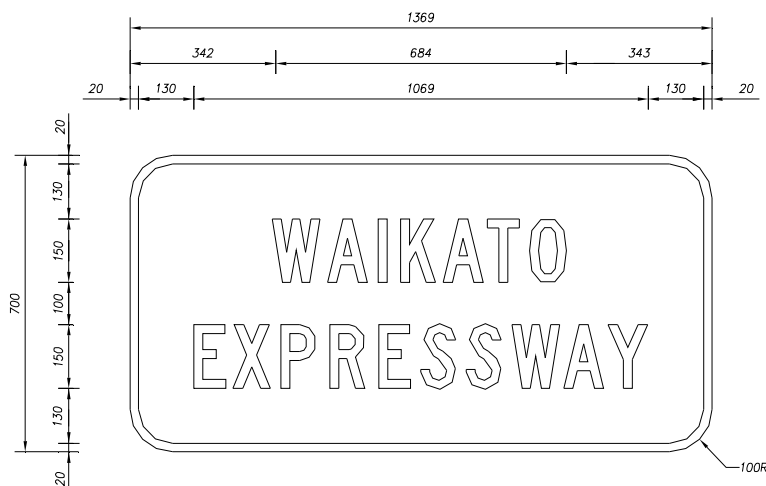
June 2009



EI - 33.1

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series C 150



NOTE: Ground mounted sign.

**EI - 33.1 'EXPRESSWAY' SIGN
(NAMED EXPRESSWAY ON-RAMP)**

FIGURE 6.9

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

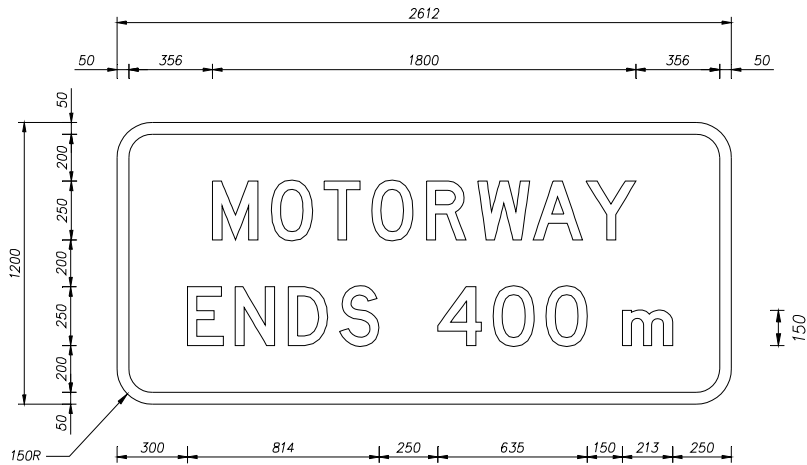
June 2009



MI - 31

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	
'MOTORWAY ENDS'	Series D 250
'm'	Modified Series E 150 loop height
NUMERALS:	
'400'	Series D 250



NOTE: Ground mounted sign.

FIGURE 6.10

MI - 31 'MOTORWAY ENDS 400 m' SIGN

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

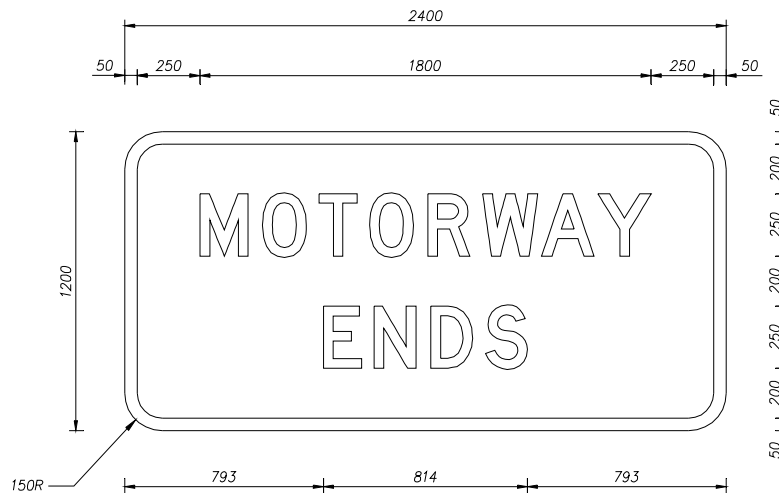
June 2009



MI - 32

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series D 250



NOTE: Ground mounted sign.

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

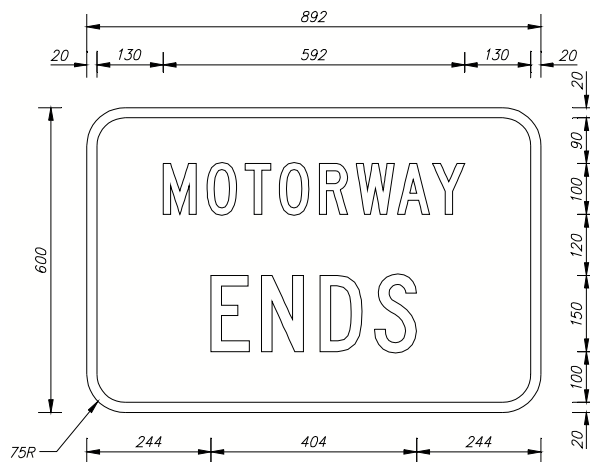
June 2009



MI - 34

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	
'MOTORWAY'	Series C 100
'ENDS'	Series C 150

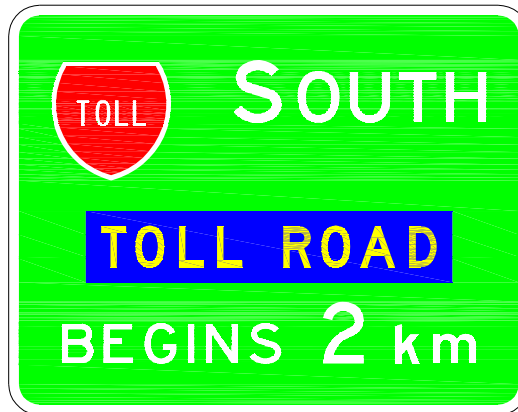


NOTE: Ground mounted sign.

FIGURE 6.12 MI - 34 'MOTORWAY ENDS' SIGN (OFF-RAMP)

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

June 2009



MI - 35

SIGN DETAILS

LEGEND:

Main Panel Reflectorisred white
Inset Panel Reflectorisred yellow

BACKGROUND:

Main Panel Reflectorisred standard green
Inset Panel Reflectorisred blue

BORDER:

Reflectorisred white

ROUTE MARKER:

Motorway/Expressway type (refer to FIGURE 1.3)

LETTERS:

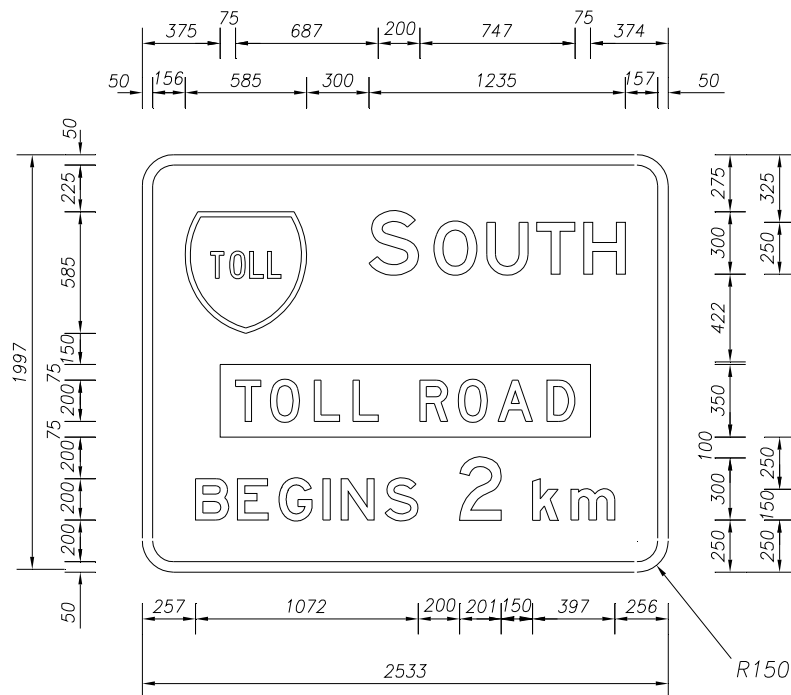
Cardinal Direction:
First letter
Rest of word
'TOLL ROAD'
'BEGINS'
'km' or 'm'

Series E 300
Series E 250
Series E 200
Series E 200
Modified Series E 150 loop height

NUMERALS:

'1', '1.5', '2', etc
'X00'

Modified Series E 300
Series E 250

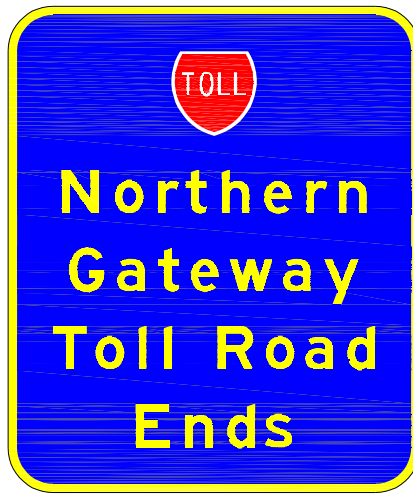


NOTE: Ground mounted sign.

MI - 35 ADVANCE 'TOLL ROAD BEGINS 2 km' SIGN FIGURE 6.13

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

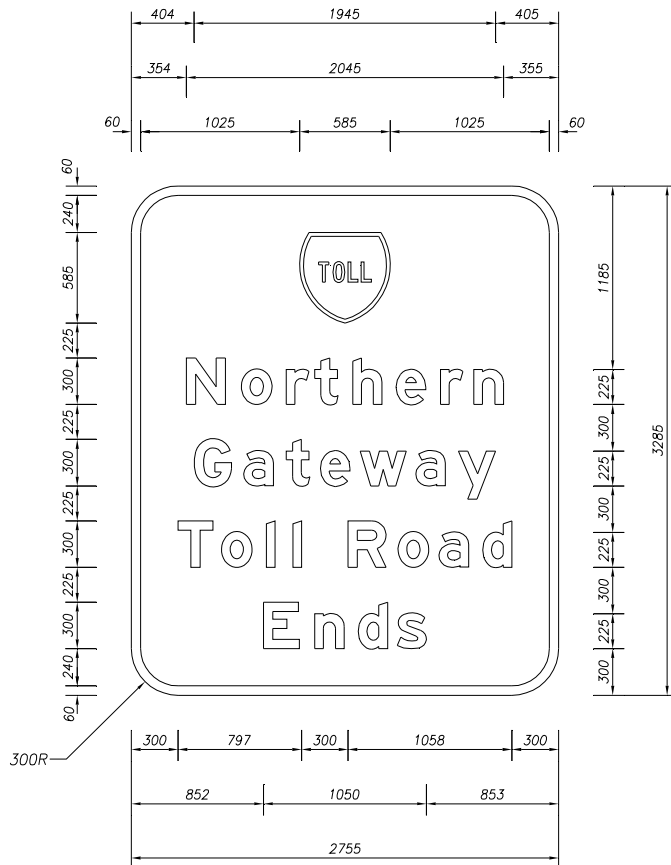
June 2009



MI - 37

SIGN DETAILS

LEGEND:	Reflectorised yellow
BACKGROUND:	Reflectorised blue
BORDER:	Reflectorised yellow
LETTERS:	
Capitals	Modified Series E 300
Lower case	Modified Series E 225 loop height
ROUTE MARKER:	Motorway/Expressway type (refer to FIGURE 1.3)



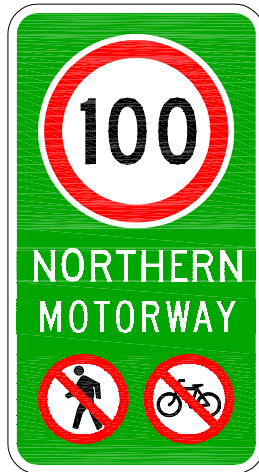
NOTE: Ground mounted sign.

MI - 37 'TOLL ROAD ENDS' SIGN

FIGURE 6.15

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

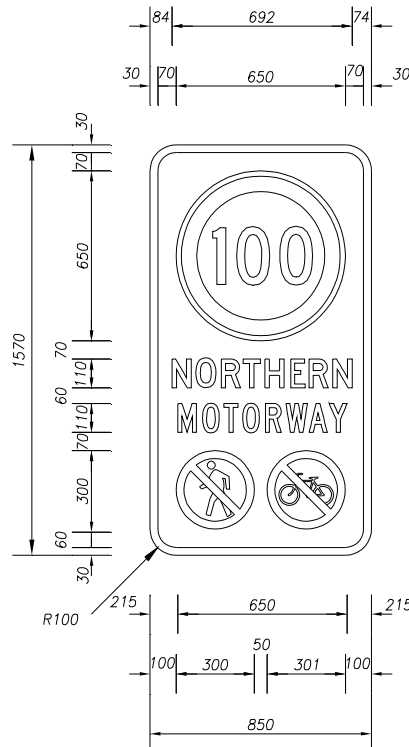
June 2009



MI - 33.2

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series C 130
SYMBOLS:	Refer to Land Transport Rule: TCD, Schedule 1 Signs
RG-2, RG-23 and RG-24	



NOTE Ground mounted sign.

**FIGURE 6.16 MI - 33.2 MOTORWAY COMBINED SPEED LIMIT/
MOTORWAY/NO PEDESTRIANS/NO CYCLIST SIGN
(NAMED MOTORWAY ON-RAMP)**

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

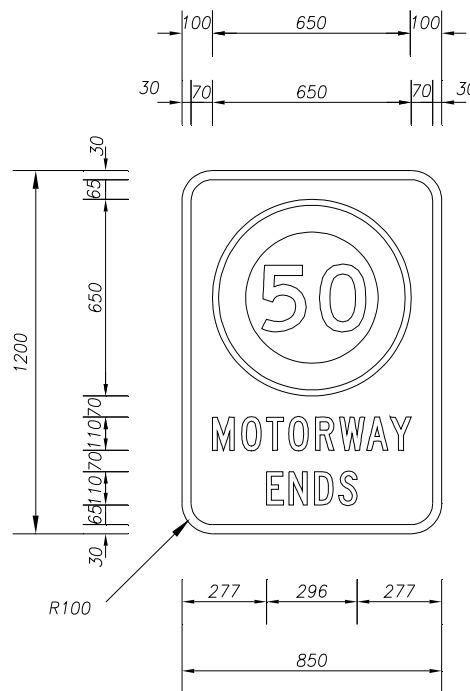
June 2009



MI - 34.1

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised standard green
BORDER:	Reflectorised white
LETTERS:	Series C 150
SYMBOLS:	
RG-1/RG-2	Refer to Land Transport Rule: TCD, Schedule 1 Signs



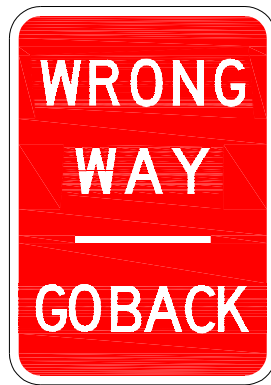
NOTE Ground mounted sign.

MI - 34.1 MOTORWAY COMBINED SPEED LIMIT/
MOTORWAY ENDS SIGN (OFF-RAMP)

FIGURE 6.17

MOTORWAY/EXPRESSWAY/TOLL ROAD BEGINS/ENDS SIGNS

June 2012



MI - 38

SIGN DETAILS

LEGEND:	Reflectorised white
BACKGROUND:	Reflectorised red
BORDER:	Reflectorised white
LETTERS:	Series C 150

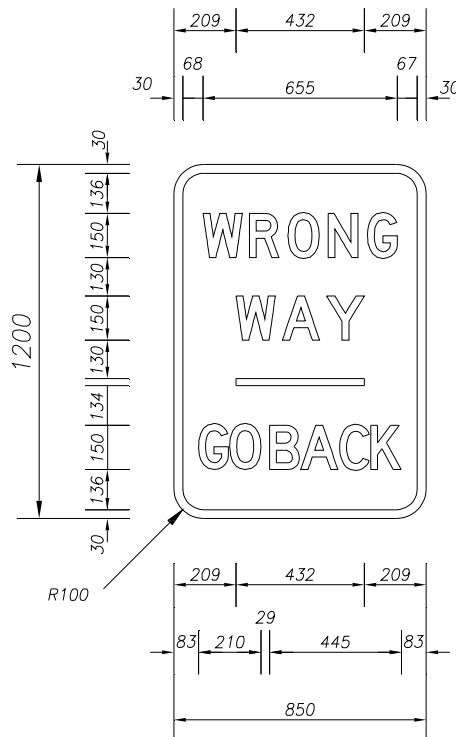


FIGURE 6.18 MI - 38 MOTORWAY COMBINED WRONG WAY/.....; C 657? SIGN (C: : -RAMP)