



GT50/162/0001

**ROAD TRAFFIC REGULATION ACT 1984 - SECTIONS 64 AND 65
AUTHORISATION OF TRAFFIC SIGNS AND SPECIAL DIRECTIONS**

The Secretary of State for Transport, in exercise of his powers under Sections 64 and 65 of the Road Traffic Regulation Act 1984, and of all other powers enabling him in that behalf, for the purposes of implementing the Olympic Transport Plan or to facilitate transport services in connection with the London Olympics, hereby:-

1. authorises the erection at appropriate sites on roads for which the authorities shown on the attached List of Authorities numbered GT50/162/0001-4 are the traffic authority, of traffic signs (hereinafter referred to as "the authorised signs") conforming as to size, colour and character with those shown on the pages numbered 48, 53-121, 127 and 128 in the attached ORN Traffic Signs and Markings Design Guide numbered GT50/162/0001-2, save that the authorised signs may be varied as set out in NOTES on each working drawing; and
2. authorises the erection at appropriate sites on the said roads of traffic signs consisting of plates (hereinafter referred to as "the authorised plates") conforming as to size, colour and character with those shown on the pages numbered sequentially from 39-47, 49-52 in the said Design Guide, save that the authorised plates may be varied as set out in NOTES on each working drawing; and
3. authorises the placing at appropriate sites on the said roads of traffic signs consisting of road markings (hereinafter referred to as "the authorised markings") conforming as to size, colour and character with those shown on the pages numbered sequentially from 122-126 in the said Design Guide; and



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4. directs that the authorised sign shown on the page numbered 104 in the said Design Guide may be used in combination with any of the authorised signs shown on the pages numbered 58-103; and
5. directs that the authorised sign shown on the pages numbered 115 and 116 in the said Design Guide may be used in combination with the authorised sign shown on the page numbered 114 as appropriate; and
6. directs that the any of the authorised signs shown on the pages 58-103 in the said Design Guide may be used in conjunction with the authorised road markings shown on the pages 123-126 as appropriate; and
7. directs that the authorised plates shown on pages 40-47 in the said Design Guide shall only be used in combination with the sign shown in either diagram 606, 609, 612, 613, or 619 in Schedule 2 to the Traffic Signs Regulations 2002 (Part I of SI 2002/3113, "the 2002 Regulations") as specified on the said pages; and
8. directs that, notwithstanding the provisions of Direction 20(1) of the Traffic Signs General Directions 2002 (Part II of SI 2002/3113), the authorised plate shown on page 39 in the said Design Guide shall only be used in combination with the sign shown in diagram 617 in Schedule 2 to the 2002 Regulations; and
9. directs that the authorised plates shown on pages 51 and 52 in the said Design Guide shall be mounted in combination with light signals prescribed by Regulation 33 of the 2002 Regulations; and



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10. directs that it is a condition of this authorisation that the authorised signs shown on pages 48, 53-56, 58-109, 112 and 113 in the said Design Guide, the authorised plates and the authorised road markings may be placed only to indicate the effect of a corresponding Traffic Order; and
11. directs, without prejudice the any statutory provision to the like effect, that it is a condition of this authorisation that the erection of the authorised signs and the authorised plates and the placing of the authorised road markings at or near the said sites shall continue to have effect until such day as may be appointed by one month's notice given by the Secretary of State in writing to the traffic authority for the removal or alteration of the authorised signs, the authorised plates and the authorised road markings and on that day the said authorisation shall, without prejudice to the giving of any further authorisation or direction, cease to have effect.

The provisions of Regulations 12, 18 and 19 of the 2002 Regulations shall apply to the authorised signs shown on pages 48, 53, 55-113, 117-121, 127 and 128 in the said Design Guide in the same manner as they apply to the sign shown in diagram 663 in Schedule 2 to those Regulations.

The provisions of Regulations 12, 18 and 19 of the 2002 Regulations shall apply to the authorised signs shown on pages 114-116 in the said Design Guide in the same manner as they apply to the sign shown in diagram 7201 in Schedule 12 to those Regulations.



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The provisions of Regulations 12, 18 and 19 of the 2002 Regulations shall apply to the authorised sign shown on page 54 in the said Design Guide in the same manner as they apply to the sign shown in diagram 636.2 in Schedule 2 to those Regulations.

The provisions of Regulations 12 and 20 of the 2002 Regulations shall apply to the authorised plates shown on pages 39-47, 49 and 50 in the said Design Guide in the same manner as they apply to the plate shown in diagram 620 when used in combination with the sign shown in diagram 619.1 in Schedule 2 to those Regulations.

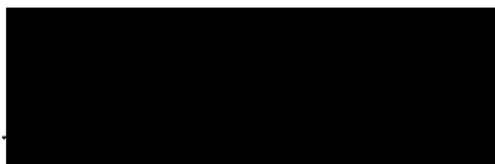
The provisions of Regulations 12 and 20 of the 2002 Regulations shall apply to the authorised plates shown on pages 51 and 52 in the said Design Guide in the same manner as they apply to the plate shown in diagram 954.5 when fixed to light signals prescribed in Regulation 33

The provisions of Regulations 12 and 31 of the 2002 Regulations shall apply to the authorised markings in the same manner as they apply to the road marking shown in diagram 1049 in Schedule 6 to those Regulations.

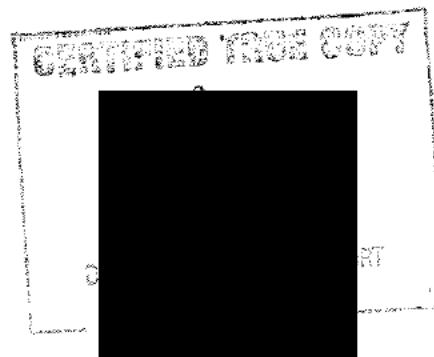
This authorisation replaces the earlier one dated 11 April 2011 under reference GT50/162/0001 which is hereby revoked.

Dated 10 May.....2011

Signed by authority of the Secretary of State



.....
A Grade 7 Official of the Department for Transport



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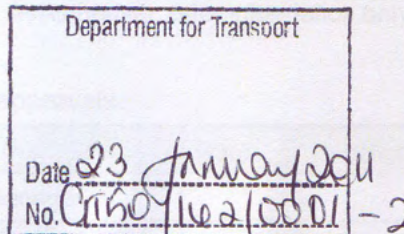
ORN Traffic Signs and Markings



Design Guide

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Approvals

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1 Introduction

Atkins has been commissioned by the Olympic Delivery Authority (ODA) to provide guidance on the use of traffic signs and road markings on the Olympic Route Network (ORN) and to facilitate the authorisation of non-prescribed signs where required.

This ORN Traffic Signs and Markings Design Guide has been developed to assist traffic management designers on the selection of suitable signs that may be used on the ORN.

An additional document provides guidance on the preferred materials and methods for implementation, maintenance and removal of traffic signs.

This document has been prepared following consultation with the following stakeholders, up to 14th December 2010:

- Design teams – PB and Atkins;
- Department for Transport - Traffic Signs Branch; and
- ODA.

The document has been sub-divided into types of signs and markings that may be used in the design, as follows:

- Warning;
- Regulatory;
- Informatory;
- Games Lanes;
- Carriageway Markings;
- Temporary Road Works;
- Games Lane Scheme Boards;
- Appendix A - Non-prescribed sign design, size and typical mounting details; and
- Appendix B - Typical layouts where these signs may be used.

It is not anticipated that directional signs will be required as the drivers employed for the transport of the Games Family will be fully trained prior to operation.

This guidance is intended to give advice to the ORN designers on the correct use of signs and road markings. Mandatory requirements are set out in the current version of the Traffic Signs Regulations and General Directions (TSRGD); nothing in this guide can override that legislation.

Non-prescribed signs in this guide are provided with a unique sign number that refers to a detailed working drawing that is available in Appendix A. Where the designers are in any doubt about the suitability of a proposed sign or wish to use an alternative prescribed or non-prescribed sign, they should consult the sign design auditors.

Any reference to a „TSM Chapter’ is a reference to a chapter of the Traffic Signs Manual (TSM), and any reference to a „section’, unless otherwise stated, is a reference to a section in that chapter of the TSM.

Any reference to TSRGD is a reference to the Traffic Signs Regulations and General Directions 2002. Reference to a diagram number or to a schedule is a reference to a diagram or schedule in the TSRGD.

DMRB refers to the Design Manual for Roads and Bridges, produced by the Highways Agency.

2 Warning Signs

2.1 General

Warning signs are used to alert drivers to potential danger ahead. They indicate a need for special caution by road users and may require a reduction in speed or some other manoeuvre.

Care should be taken to ensure that a route is treated consistently, especially where it crosses the boundary between two highway authorities, or between ORN sections.

General guidance on the use of warning signs is provided in TSM Chapter 4 paragraphs 1.1 to 1.11 and TSM Chapter 8, Part 1, Section D4.2. Non-prescribed warning signs should not be used.

2.2 Sign Sizes

Warning signs are normally prescribed in five sizes. The normal minimum size is indicated in the TSRGD, with alternative sizes in brackets. Signs need to be of a size appropriate to the prevailing traffic speed on the road on which they are used.

Guidance on the size of warning signs is provided in TSM Chapter 4 paragraphs 1.13 to 1.18 and Appendix A of TSM Chapter 4.

2.3 Location

In general, the greater the speed of approach, the further in advance of the hazard the sign needs to be placed. This is to ensure that drivers have the necessary time to respond to the warning. Appendix A of TSM Chapter 4 sets out recommendations for the distance from the hazard at which a sign should be sited.

Guidance on the siting of warning signs is provided in TSM Chapter 4 paragraphs 1.19 to 1.22.

2.4 Illumination

As a general rule on unlit roads, reflectorisation produces an adequate level of sign luminance in the illumination from a vehicle's headlamps. In areas of street lighting, however, much higher levels of luminance are required to ensure that signs are always adequately conspicuous.

Guidance on the illumination of warning signs is provided in TSM Chapter 4 paragraphs 1.34 to 1.37.

2.5 Backing Boards

To improve conspicuity against a complex or dark background, a warning sign may be mounted on a grey or yellow backing board. A backing board can also make for a neater assembly, e.g. when a sign requires a supplementary plate, and also eliminates the risk of the plate becoming misaligned.

There may be some advantage in using yellow backing boards for temporary warning signs to highlight the temporary change.

Guidance on the use of backing boards for regulatory signs is provided in TSM Chapter 4 paragraphs 1.31 to 1.33 and TSM Chapter 7 paragraphs 14.19 to 14.24.

3 Regulatory Signs

3.1 General

Regulatory signs indicate requirements, restrictions and prohibitions. Most are erected to give effect to a traffic regulation order or other statutory provision. There are certain signs where the legal requirements are specified in the regulations; these include Stop, Give Way, Keep Left and Mini-roundabout signs.

General guidance on the use of regulatory signs is provided in TSM Chapter 3 paragraphs 1.1 to 1.13.

3.2 Legal Requirements

The advice within TSM Chapter 3 is given to assist authorities in the discharge of their duties under Section 122 of the Road Traffic Regulation Act 1984 and Part 2 of the Traffic Management Act 2004. All regulatory signs placed on a highway or on a road to which the public has access, must be either prescribed by regulations or authorised by the Secretary of State for Transport.

All signs shown in this guide may be used for the ORN design. However, it is the responsibility of the designer to ensure that the correct signs are used for the location.

Certain regulatory signs may only be placed in association with a Traffic Regulation Order (TRO). It is also the responsibility of the designer to ensure that the TRO and signs correspond.

Guidance on the legal requirements for regulatory signs is provided in TSM Chapter 3 paragraphs 2.1 to 2.4.

Guidance on temporary situations can be found in TSM Chapter 8 Section D3.39.

3.3 Non-prescribed Signs

The following markings have been authorised on behalf of the Secretary of State by the Department for Transport:

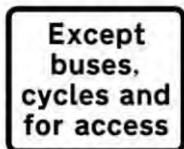


ORN 1.1 (618.1) - Supplementary plate for use with diagram 617

Must only be used at a point where access is prohibited to all vehicles except official games vehicles and non-mechanically propelled vehicles being pushed by a pedestrian.

TSRGD directions 7 and 8 apply in that the sign must be placed in association with a TRO.

Sign may require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 8.



ORN 1.2 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, except official games vehicles, are prohibited.

Directions and illumination requirements are as 1.1 above.

Examples of where these may be used are shown in Appendix B Figures 3 to 6, and 8 to 14.

ORN 1.2.1 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, 'except buses, cycles and authorised vehicles', are prohibited.

Directions and illumination requirements are as 1.1 above.

ORN 1.2.2 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, 'except buses and authorised vehicles', are prohibited.

Directions and illumination requirements are as 1.1 above.

ORN 1.2.3 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, except buses, cycles and official games vehicles, are prohibited.

Directions and illumination requirements are as 1.1 above.

ORN 1.2.4 (570) – Distance over which hazard or prohibition extends supplementary plate for use with diagrams 612 and 613

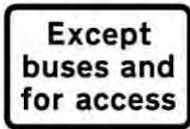
May be used to show the distance over which banned left or right turns are in operation. Distance may be varied to yds or yards.

Sign may require illumination but must be reflectorised in accordance with TSRGD Regulations 21(1) and Schedule 17, item 8.

ORN 1.2.5 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, 'except buses, cycles and for access', are prohibited.

Directions and illumination requirements are as 1.1 above.



ORN 1.2.6 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, „except buses and for access’, are prohibited.

Directions and illumination requirements are as 1.1 above.



ORN 1.2.7 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

Must only be used at a point where vehicles, „except buses and official games vehicles’, are prohibited.

Directions and illumination requirements are as 1.1 above.



ORN 2.1.1 (618.2) – Entry to games zone restricted

May be used at an entry point to a zone being used for games traffic, which may be located away from the games lane.

The operational times in the top panel and legend „to xxx Street” in the bottom panel, may be varied or omitted.

TSRGD directions 7, 8, 24 (3) and 56 apply in that the sign must be placed in association with a TRO.

Sign may require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 1.



ORN 2.1.2 (618.2) – Entry to games lane restricted

May be used at an entry point to a dedicated games lane.

The operational times in the top panel and legend „to xxx Street” in the bottom panel, may be varied or omitted.

Directions and illumination requirements are as 2.1.1 above.



ORN 2.1.3 (620) - Supplementary plate for use with regulatory signs

The plate must only be used in association with a regulatory sign showing restrictions ahead.

Legend in the top and bottom panels may be amended and the bottom panel may be omitted.

Directions and illumination requirements are as 1.1 above.



ORN 2.1.4 (620) - Supplementary plate for use with regulatory signs

The plate must only be used in association with a regulatory sign showing restrictions ahead. Official games vehicles legend may be omitted.

Directions and illumination requirements are as 1.1 above.

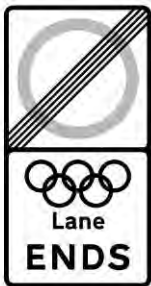


ORN 2.3.1 (618.4) – End of restrictions associated with a games zone.

May be used at an exit point of a zone being used for games lane traffic.

TSRGD directions 7.10(1) apply in that sign must be placed in association with a TRO.

Sign may require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 4.



ORN 2.3.2 (618.4) – End of restrictions associated with a games lane.

May be used at an exit point to a dedicated games lane.

Directions and Illuminations requirements as ORN 2.3.1 above



ORN 2.4.1 (636.2) – Prohibition on stopping during the periods indicated.

Sign may be used within an area associated with a games lane. Signs should be placed at regular intervals, a distance of 60m may be used where this is appropriate for the location.

Arrow may be amended, omitted or a second arrow added. Times of operation may be varied in accordance with TSRGD Schedule 16 item 38.

No carriageway markings are required to be used in association with this sign.

TSRGD directions 7 and 11 apply in that the sign must be placed in association with a TRO.

Sign may require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 9.

3.4 Sign Sizes

Regulatory signs are often prescribed in five sizes. The normal minimum size is indicated in the TSRGD, with alternative sizes in brackets.

It is important that signs giving effect to traffic regulation orders, and intended to be read from a moving vehicle, are of sufficient size to enable drivers to recognise them and assimilate the information in time. The signs need to be of a size appropriate to the prevailing traffic speed on the road on which they are used.

Guidance on the size of regulatory signs is provided in TSM Chapter 3 paragraph 1.14 and Appendix A.

3.5 Traffic Signals

Restriction signs mounted in conjunction with traffic signals may be amended or covered. Where additional restrictions are required separate signs may be provided.



ORN 2.1.5 (954.5) – Games vehicles are excluded from restriction or prohibition conveyed by the associated signals. Signs are mounted in combination with light signals prescribed by regulation 33

Guidance can be found in TSM Chapter 3 paragraphs 4.14 to 4.18.

ORN 2.1.6 (954.5) – Games vehicles and buses are excluded from restriction or prohibition similar to ORN 2.1.5 above

Guidance can be found in TSM Chapter 3 paragraphs 4.14 to 4.18.

3.5.1 Permitted variants



Where existing signals have just a banned turn sign, a temporary games vehicles prohibition sign should either be placed below the banned turn sign on the signals or a separate sign provided prior to the signals and the banned turn on the signals covered over.

3.6 Location

It is essential that drivers have an unobstructed view of traffic signs. The distance which should be kept clear of obstructions to the sight line, whether caused by vegetation, other signs or street furniture, is known as the clear visibility distance. The higher the prevailing traffic speeds, the greater this distance needs to be.

Guidance on the siting of regulatory signs is provided in TSM Chapter 3 paragraphs 1.15 to 1.20.

Advice on the preferred method of installation will be provided at a later stage, but where possible existing suitable street furniture should be identified for use.

3.7 Backing Boards

To improve conspicuity against a complex or dark background, a regulatory sign may be mounted on a grey or yellow backing board. A backing board can also make for a neater assembly, e.g. when a sign requires a supplementary plate, and also eliminates the risk of the plate becoming misaligned.

There may be some advantage in using yellow backing boards for temporary regulatory signs to highlight the temporary change.

Guidance on the use of backing boards for regulatory signs is provided in TSM Chapter 3 paragraphs 1.31 to 1.33, 14.50 to 14.53 and TSM Chapter 7 paragraphs 14.19 to 14.24.

3.8 Illumination

Details of the requirements for illumination have been shown with the diagrams.

As a general rule illumination requirements for traffic signs are set out in TSRGD Regulations 18 and 19 and Schedule 17 and referenced as item 5 in the tables associated with each diagram in the TSRGD. Most regulatory signs, other than those that prohibit waiting and loading, or indicate parking places, must be lit in accordance with Schedule 17 item 1, even in temporary situations.

Guidance on the illumination of regulatory signs is provided in TSM Chapter 3 paragraphs 2.5 to 2.7. For illumination of speed limit signs see paragraphs 14.54 to 14.58.

Guidance on temporary situations can be found in TSM Chapter 8 paragraph D3.7.23.

3.9 Directional Signing

Directional traffic signs may be amended or covered and restriction signs may be mounted in conjunction with directional signs, where this is essential to provide safe traffic management.



Where road closures or restrictions require directional signs to be amended, the suggested measure is to cover the appropriate destinations. No through road symbols may be added to clarify which is the through route.

Alternative routes, if required, may be shown with diversion route signing; refer to Section 7 of this document.

Guidance on alterations to directional signs can be found in TSM Chapter 7 Section 11.



3.10 Signface variants

ORN non-prescribed signs are listed above and each has a unique reference number. Where additional variants are required to be used, the following rules should apply:

3.10.1 Single variant

Where a single item of variation is required the sign should be labelled, on the detailed design drawings, with appropriate text after the sign reference number e.g.

ORN 2.1.4 (Great College Street)

3.10.2 Multiple variants and no games lane reference

The following signs will need to be drafted during detail design as bespoke designs and a detail drawing will be required for each sign e.g.

ORN 1.2.4

ORN 2.1.1

ORN 2.1.2

ORN 2.1.3

ORN 2.4.1

4 Informatory Signs

4.1 General

Informatory signs provide information on the road layout to supplement restriction and prohibition signs. Traffic regulation orders are not required for the erection of these signs.

Although not all signs shown are covered in TSM Chapter 3, the general guidance on the use of regulatory signs provided in TSM Chapter 3 paragraphs 1.1 to 1.13 should be referred to.

4.2 Non-prescribed signs

The following markings have been authorised on behalf of the Secretary of State by the Department for Transport:



ORN 2.5.1 (818.3) – No right turn xx yds ahead

TSRGD direction 7 applies. This sign must only be used in advance of a banned turn which would be accessed across a games lane.

Right turn may be varied to left turn and the distance may also be varied. Examples of where this may be used are shown in Appendix B, Figures 2, 3 and 8 to 13.

Sign may not require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 4.



ORN 2.5.2 (818.3) – No right turn except for local buses xx yds ahead

Right turn may be varied to left turn and the distance may also be varied.

Directions and illumination requirements as ORN 2.5.1 above.



ORN 2.6.1 – In case of breakdown information sign

This sign should be authorised for use by the Department for Transport and must only be used on an offside games lane on a motorway with a central reserve that cannot be accessed by pedestrians.

Illumination requirements as ORN 2.5.1 above.

4.3 Signface variants

ORN non-prescribed signs are listed above and each has a unique reference number. Where additional variants are required to be used, the sign should be labelled with appropriate text after the sign reference number e.g.

ORN 2.5.1 (Right 50 yds)

ORN 2.5.2B (Left 65 yds)

4.4 Sign Sizes, Siting, Mounting and Illumination

For guidance on sign sizes, siting, mounting and illumination of informatory signs refer to paragraphs 3.5 to 3.9 of this document.

5 Games Lane Signs

5.1 General

The following markings have been authorised on behalf of the Secretary of State by the Department for Transport.

TSRGD directions 7, 17 and 21(1) apply in that the sign must be placed in association with a TRO for a games lane.

Signs may not require illumination but must be reflectorised in accordance with TSRGD Regulations 18 and 19 and Schedule 17, item 4.

As a general rule games lanes do not need to show the number of traffic lanes, in the same way bus lane signs do not show the number of lanes.

Where it is essential for traffic management, the number of lanes shown on games lane signs may be increased beyond the three lanes shown in the diagrams.

5.2 Non-prescribed Signs

5.2.1 Start of games lane (with flow)



ORN 3.1.1 (958) – Start of nearside games lane

Examples of where this may be used are shown in Appendix B, Figures 1 to 14.



ORN 3.1.2 (958) – Start of offside games lane

Examples of where this may be used are shown in Appendix B, Figures 2, 3, 4, 8, 10 and 12.



ORN 3.1.3 (958) – Start of nearside games vehicles, bus, m/c, cycle and taxi lane

An example of where this may be used is shown in Appendix B, Figure 5.

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



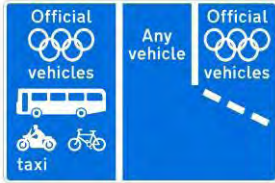
ORN 3.1.4 (958) – Start of offside games vehicles, bus, m/c, cycle and taxi lane

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.1.5 (958) – Nearside games lane repeater, central lane for any vehicle and start of offside games lane

An example of where this may be used is shown in Appendix B, Figure 13.



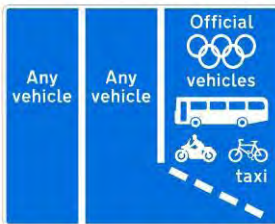
ORN 3.1.6 (958) – Nearside games vehicles, bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane

An example of where this may be used is shown in Appendix B, Figure 14.

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.1.7 (958) - Start of nearside games vehicles and cycle lane



ORN 3.1.8 (958) – Existing nearside bus lane open to ‘any vehicle’ repeater, central lane for any vehicle and start of offside games vehicles, bus, m/c, cycle and taxi lane

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.

An example of where this may be used is shown in Appendix B, Figure 16.



ORN 3.1.9 (958) – Nearside lane for any vehicle, start of central games and bus lane; and offside bus lane repeater.

Bus symbols may include the legend „local’. Motorcycle, cycle and taxi symbols may be added. Refer to Section 5.8, variants.



ORN 3.1.10 (958) – Start of central games lane

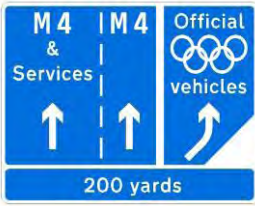
Arrows may vary

An example of where this may be used is shown in Appendix B, Figure 15.



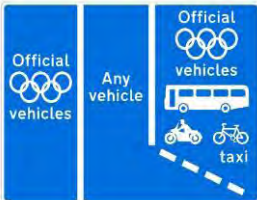
ORN 3.1.11 (958) – Start of offside games lane on a motorway.

Sign legend and font may be varied for use on other roads including all-purpose and trunk roads



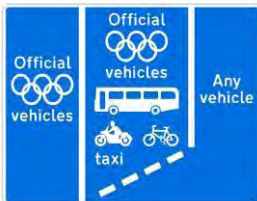
ORN 3.1.12 (958) – Advance warning to start of offside games lane on a motorway

Sign legend, distance and font may be varied for use on other road including all-purpose and trunk roads. Refer to Section 5.8, variants.



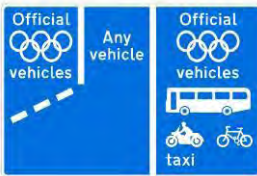
ORN 3.1.13 (958) – Nearside games lane repeater, central lane for any vehicle and offside start of games vehicles, bus, m/c, cycle and taxi lane

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.1.14 (958) – Nearside games lane repeater, start of central games vehicles, bus, m/c, cycle and taxi lane; and offside lane for any vehicle repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.1.15 (958) – Nearside start of games lane, central lane for any vehicle and offside lane for games vehicles, bus, m/c, cycle and taxi repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.

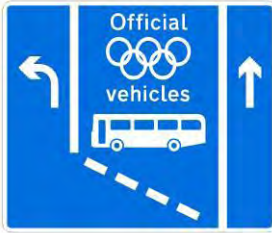


ORN 3.1.16 (958) – Nearside start of games lane, central lane for any vehicle and offside games lane repeater



ORN 3.1.17 (958) – Nearside lane for any vehicle repeater, start of central games vehicles and bus lane; and offside bus only lane

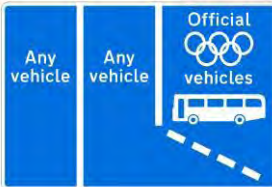
Bus symbols may include the legend „local’. Refer to Section 5.8, variants.



ORN 3.1.18 (958) – Start of central games and bus lane.

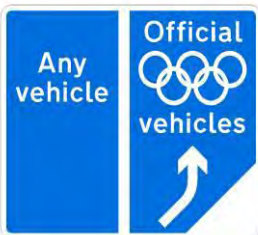
Bus symbol may include the legend „local’. Refer to Section 5.8, variants.

Arrows may vary.



ORN 3.1.19 (958) – Nearside and central lanes for any vehicle repeater and offside start of games and bus lane.

Bus symbol may include the legend „local’. Refer to Section 5.8, variants.



ORN 3.1.20 (958) – Advance warning to start of an offside games lane



ORN 3.1.22 (958) – Start of nearside games vehicles, local bus, HGV’s over 3.5T, m/c, cycle and taxi lane



ORN 3.1.23 (958) – Start of nearside games lane, central lane for any vehicle; and offside contra-flow lane



ORN 3.1.24 (958) – Nearside bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane

An example of where this may be used is shown in Appendix B, Figure 14. Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.

5.2.2 Games lane repeater signs (with flow)



ORN 3.2.1 (959) – Nearside games lane repeater

Examples of where this may be used are shown in Appendix B Figures 1 to 14.



ORN 3.2.2 (959) – Offside games lane repeater

Examples of where this may be used are shown in Appendix B, Figures 2, 3, 4, 8, 10 and 12.



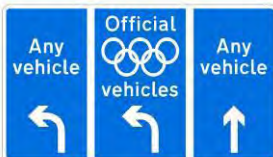
ORN 3.2.3 (959) – Nearside games vehicles, bus, m/c, cycle and taxi lane repeater

Examples of where these may be used are shown in Appendix B, Figures 5 and 14. Bus symbol may include the legend 'local'. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



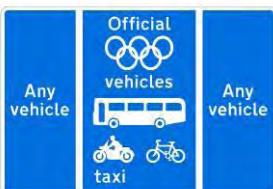
ORN 3.2.4 (959) – Offside side games vehicles, bus, m/c, cycle and taxi lane repeater

Bus symbol may include the legend 'local'. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.5 (959) - Central games lane with nearside and offside lanes for any vehicle repeater, with left and ahead arrows for any vehicles repeater

Arrows may vary



ORN 3.2.6 (959) - Central games vehicles, bus, m/c, cycle and taxi lane with nearside and offside lanes for any vehicle repeater

Examples of where these may be used are shown in Appendix B, Figures 7 and 15. Bus symbol may include the legend 'local'. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.7 (959) – Nearside and offside games lane with central lane for any vehicle repeater

An example of where this may be used is shown in Appendix B, Figure 13.



ORN 3.2.8 (959) - Nearside bus, m/c, cycle and taxi lane, central lane for any vehicle lane and offside games lane repeater

An example of where this may be used is shown in Appendix B, Figure 14. Bus symbol may include the legend 'local'. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.9 (959) - Nearside games and cycle lane repeater



ORN 3.2.10 (959) - Nearside and central lane for any vehicle and offside games and local bus, m/c, cycle and taxi lane repeater

An example of where this may be used is shown in Appendix B, Figure 16.



ORN 3.2.11 (959) – Nearside lane for any vehicle, central games and local bus, m/c, cycle and taxi lane and offside bus only lane repeater

Bus symbols may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



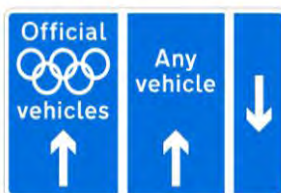
ORN 3.2.12 (959) – Nearside lane for any vehicle, central games lane and offside local bus, m/c, cycle and taxi lane repeater

Bus symbol may omit the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.

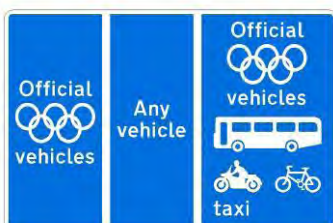


ORN 3.2.13 (959) – Nearside games lane, central lane for any vehicle and offside bus, m/c, cycle and taxi lane repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.14 (959) – Nearside games lane, central lane for any vehicle and offside contra-flow lane repeater



ORN 3.2.16 (959) – Nearside games lane, central lane for any vehicle and offside games vehicles, bus, m/c, cycle and taxi lane repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.17 (959) – Gantry mounted games lane sign



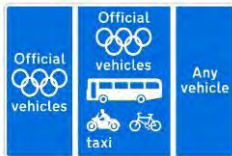
ORN 3.2.18 (959) – Nearside and central lanes for any vehicle and offside games vehicles and bus lane repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be added. Refer to Section 5.8, variants.



ORN 3.2.19 (958) – Start of central games lane

An example of where this may be used is shown in Appendix B, Figure 15.



ORN 3.2.20 (959) – Nearside games lane, central games vehicles, bus, m/c, cycle and taxi lane and offside lane for any vehicle repeater

Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted. Refer to Section 5.8, variants.



ORN 3.2.21 (959) - Nearside games vehicles, bus, m/c, cycle and taxi lane, central lane for any vehicle and offside games lane repeater

An example of where this may be used is shown in Appendix B, Figure 14. Bus symbol may include the legend „local’. Motorcycle, cycle and taxi symbols may be omitted.



ORN 3.2.22 (959) – Nearside games vehicles, local bus, HGV’s over 3.5T, m/c, cycle and taxi lane repeater

5.2.3 Other signs

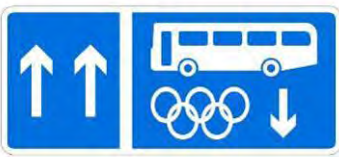
The following signs require authorisation (On behalf of the Secretary of State by the Department for Transport) prior to their use



ORN 3.3.1 (960) – Contra flow games lane

A contra flow games lane is effectively a one-way road with a games lane running in the opposite direction. This is similar to a contra flow bus lane as described in TSM Chapter 3 paragraph 15.18.

TSRGD directions 7, 11, 17 and 21(1) apply in that the sign must be placed in association with a TRO for a games lane.



ORN 3.3.2 (960) – Contra flow bus and games lane

A contra flow bus and games lane may be a contra flow bus lane where games traffic can also use the bus lane. Bus symbol may include the legend „local’.

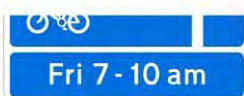
Directions as 3.3.1 above.



ORN 3.4 (961) – Times of operation for games lanes to diagrams 958 and 959

A lower panel with times of operation may be added beneath any games lane sign. Three examples show how one, two and three rows of information can be used where the games lane sign varies in width.

TSRGD directions 7, 11 and 21(1) apply in that the sign must be placed in association with a TRO for a games lane.



ORN 3.4.1 (961) – Distance over which games lanes extend

A lower panel with a length of lane may be added beneath any start of games lane sign. The panel may only be used where it is not physically possible to provide games lane repeater signs. At these locations games lanes may be enforced without repeater signs.

Directions as 3.4 above.



ORN 3.4.2 (961) – Distance to start of games lane

A lower panel with distance to operation may be added beneath any start of games lane sign. The panel may only be used for lanes on higher speed roads.

Directions as 3.4 above.



ORN 3.5.1 (962) – Games lane ahead in direction of the arrow

May be used in side roads to warn emerging drivers of the presence of a games lane, but should only be used where the games lane is in the nearside lane of the road being joined. Direction of arrow may be amended or a second arrow added.

TSRGD direction 7 applies in that the sign must be placed in association with a TRO for a games lane.

Examples of where these may be used are shown in Appendix B, Figures 1 and 6.



ORN 3.5.2 (962) – Bus and games lane ahead in direction of the arrow

May be used in side roads to warn emerging drivers of the presence of a bus and games lane, but should only be used where the lane is on the nearside of the road being joined. Direction of arrow may be amended or a second arrow added.

An example of where this may be used is shown in Appendix B, Figure 5.

Directions as 3.5.1 above.

Bus symbol may include the legend „local’.



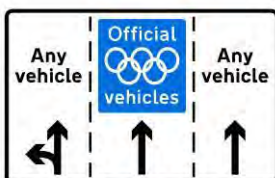
ORN 3.6 (964) – End of games lane

TSRGD direction 7, 10(1) and 18(3) applies in that the sign must be placed in association with a TRO for a games lane.

ORN 3.7 (2114) – Central games lane with nearside and offside lanes for any vehicle with lane indication

TSRGD direction 13, applies in that the sign must be placed on a non-primary route. The sign should only be in association with a TRO for a games lane. Number of lanes shown may vary.

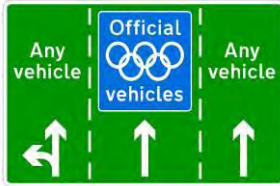
„Any vehicle’ text may be varied to include place names and route numbers.



Bus symbols may be included and the legend „local’. Motorcycle, cycle and taxi symbols may be provided. Refer to Section 5.8, variants. Sign should be used where the games lane is operational at any time.

Examples of where these may be used are shown in Appendix B, Figures 7 and 15.

ORN 3.8 (2019) – Central games lane with nearside and offside lanes for any vehicle with lane indication



TSRGD direction 12, applies in that the sign must be placed on a primary route. The sign should only be in association with a TRO for a games lane. Number of lanes shown may vary.

„Any vehicle’ text may be varied to include place names and route numbers.

The games sign should only be in association with a TRO for a games lane.

Bus symbols may be included and the legend „local’. Motorcycle, cycle and taxi symbols may be provided. Refer to Section 5.8, variants.

An example of where this may be used is shown in Appendix B, Figure 15.

ORN 3.11 (959) – Bus lane suspended repeater sign

An example of where this may be used is shown in Appendix B, Figure 16.



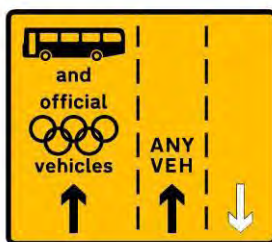
ORN 3.11.1 (958) – Start of bus lane suspended sign

An example of where this may be used is shown in Appendix B, Figure 16.



ORN 3.12.1 (7201) – Nearside bus and games lane and central lane for any vehicle; with contra-flow offside lane

May be used where the games lane is in operation for a short duration and may be used in conjunction with contra-flow working signs diagram 7203 and 7208. Bus symbol may include the legend „local’. Number of lanes may vary. Bus or official games vehicles may be omitted.



ORN 3.12.2 (7208) – Distance ahead to which conditions indicated by signs shown in the diagrams above start to apply

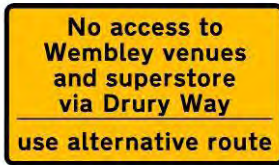
Distances may be varied, refer to Section 5.8, variants.



ORN 3.12.3 (7201.1) - Distance over which conditions indicated by signs shown in the diagrams above will apply

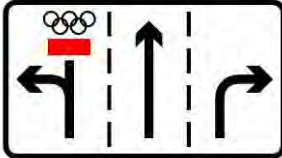
Distances may be varied, refer to Section 5.8, variants.





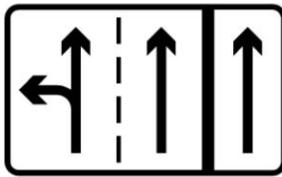
ORN 3.13 (2716) – Alternative route information sign

May be used where the alternative route to a venue must be signed on traffic management grounds.



ORN 3.14 (877) – Appropriate traffic lanes for different manoeuvres at a junction ahead with a nearside games lane

Two examples are shown, the first shows how a games logo may be added to a lane and the second a continuous games lane marking.



Number of lanes shown, type of lane line and arrow type may be varied.

The background colour may be varied to green when used on a primary route.



ORN 3.15 (872.1) – Number of lanes ahead on a dual carriageway reduces from three to two lanes with a nearside games lane

Background colour may vary to suit status of the route.

Number of lanes shown, type of lane line and arrow type may be varied.



ORN 3.16 (868) – Additional traffic lane joining from the left ahead, with an offside games lane

Background colour may vary to suit status of the route.

Number of lanes shown, type of lane line and arrow type may be varied.



ORN 3.17 (868.1) – Additional traffic lane joining from the right ahead, with an offside games lane

Background colour may vary to suit status of the route.

Number of lanes shown, type of lane line and arrow type may be varied.

5.3 Sign Sizes

The games lane signs are based on signs to diagrams 958, 959, 961 and 964 and the guidance relating to the use of bus lane signs within in TSM Chapter 3 should be followed. These signs are prescribed in two sizes. The smaller size should be used on roads with a speed limit of 20 mph or 30 mph. The larger size is for use on roads with a 40 mph speed limit. Where a games lane is to be used on a road with a higher speed limit (e.g. a commuter route with little frontage development and a speed limit of 50 mph), an even larger size of sign is likely to be required. For a 50 mph road an x-height of 75 or 100mm may be used depending on the location.

5.4 Location

Guidance on the siting of bus lanes and gates is provided in TSM Chapter 3, Figure 15-1. This guidance shows a typical example of the signing requirements for a road that has a with-flow bus lane. Typical layout details of games lane signs are also shown in Figures 1 to 14 of this document.

Advance indication of a with-flow games lane is provided by signs based on diagram 958. Details of spacing of games lane signs are provided in paragraph 6.5.

Signs based on diagram 959 are regulatory signs and should be placed at the start of the lane, i.e. where the continuous line to diagram 1049 begins. It should be repeated just beyond each side road, other than one-way roads leading away from the major road on the opposite side to the bus lane. Additional repeater signs should be used where the distance between them would otherwise exceed 300m.

5.5 Mounting

Advice on the preferred method of erection will be provided at a later stage, but where possible existing suitable street furniture should be identified for use.

The following shows a typical arrangement that may be appropriate where a games lane is replacing an existing bus lane and it may be possible to utilise the existing bus lane sign supports:



Pre-ORN

Existing situation showing a typical existing sign



ORN Phase 1 – Games preparation

Temporary sign to be fabricated and may be mounted over the existing sign. The design should replicate the existing sign. The size of the sign should be such that the existing sign is fully masked and should be able to accommodate the size of the games lane sign.



ORN Phase 2 – Games in operation

Temporary sign can have a peel off strip that can be removed on the day of opening to reveal the games lane sign beneath.

5.6 Backing Boards

A backing board can also make for a neater assembly, e.g. when a sign requires a supplementary plate, and also eliminates the risk of the plate becoming misaligned. Further details of the details of this method of operation will be contained in the Operations Guide.

Guidance on the use of backing boards for regulatory signs is provided in TSM Chapter 3 paragraphs 1.31 to 1.33, 14.50 to 14.53

5.7 Gantry Mounting

NOT USED

5.8 Signface variants

ORN non-prescribed signs are listed above and each has a unique reference number. Where additional variants are required to be used, an additional reference letter may be placed after the number. These are listed below with an example shown based on variants of sign ORN 3.1.4

5.8.1 Games lane symbols



A – Bus, motorcycle, taxi and cycle

Example shown is ORN 3.1.4 at 50mm x-height and 1180 mm high



B – Bus

Variant of ORN 3.1.4 at same x-height is reduced by 185 mm



C - Cycle

Variant of ORN 3.1.4 at same x-height is reduced by 350mm



D – Bus, motorcycle and taxi

Variant of ORN 3.1.4 at same x-height is same height



E – Bus and cycle

Variant of ORN 3.1.4 at same x-height is reduced by 135mm



L – Local bus

Variant of ORN 3.1.4 at same x-height is reduced by 185 mm



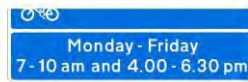
X – No symbols, games lane only

Variant of ORN 3.1.4 at same x-height is reduced by 435 mm

5.8.2 Lower panels on games lane sign



F – ORN 3.4, Times of operation panel with one line of legend



G – ORN 3.4, Times of operation panel with two lines of legend



H – ORN 3.4, Times of operation panel with three lines of legend



J – ORN 3.4.1, Distance over which games lane extends



K – ORN 3.4.2, Distance to start of games lane

5.8.3 Multiple variants and no games lane reference

The following signs will be a bespoke design and a detail drawing will be required for each sign e.g.

ORN 3.1.11

ORN 3.1.12

ORN 3.4

6 Carriageway Markings

6.1 General

Road markings serve a very important function in conveying to road users information and requirements which might not be possible using upright signs. They have the advantage that they can often be seen when a verge-mounted sign is obscured, and unlike such signs, they can provide a continuing message.

General guidance on the use of carriageway markings can be found in TSM Chapter 5 paragraphs 1.1 to 1.9. Guidance on temporary situations can be found in TSM Chapter 8, section D3.30.

It may be necessary to add markings at junctions where the traffic volume is likely to increase considerably due to games traffic. Refer to TSM Chapter 8 paragraph D3.15.13.

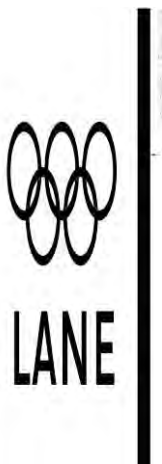
6.2 Prescribed Markings

Due to the complexity of the ORN any prescribed markings may be used. It should be noted however, that unlike temporary signs, temporary carriageway markings may be difficult to apply and remove so use should be kept to a minimum.

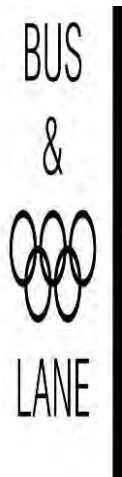
Further details on the application and removal of markings are provided in the ORN signs operational guidance report.

6.3 Non-prescribed Markings

The following markings have been authorised on behalf of the Secretary of State by the Department for Transport:



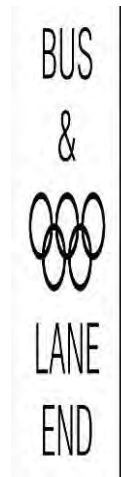
ORN 4.1 (1048)
Start of games lane
lane marking



ORN 4.2 (1048)
Start of bus and
games lane marking



ORN 4.3 (1048)
End of games
lane marking



ORN 4.4 (1048)
End of bus and
games lane marking

Two sizes of marking may be used with character heights of 1600mm and 2800mm. The principles of TSM Chapter 5 Table 22-1 should be adopted to determine the association between size of marking and speed limit. 1600mm characters may be used with a speed limit of 40mph or less and 2800mm with a speed limit greater than 40mph.

6.4 Games Lane Markings

The following are typical arrangements that may be appropriate for the start of the Games lane demonstrating the use of temporary covering to existing markings:



Offside Games Lane

The preferred layout for the games lane is on the offside of the carriageway, which allows any existing bus lane and parking controls on the nearside lane to be retained.

Continuous line markings, start taper, keep left arrows, games symbol and games "LANE" markings should be provided, along with the associated temporary signing.

Where an existing nearside bus lane is to be replaced temporarily with an offside games lane the following are required:

- Existing continuous lane marking retained;
- Start taper and „BUS LANE' text and keep right arrow markings should be temporarily covered; and
- Additional temporary continuous lane marking, start taper, games symbol and „LANE' text and keep left arrow markings should be provided.



Nearside Games Lane

Where a nearside games lane is required a temporary continuous lane marking, start taper, games symbol and „LANE' text and keep right arrow markings should be provided.

Where an existing nearside bus lane is to be replaced temporarily with a nearside games lane, the existing „BUS' lane text should be temporarily covered and replaced with a temporary games symbol.

The exception to the rule is where a bus lane is suspended directly opposite the point where a games lane commences.

The bus lane taper should then be removed.

6.5 Games lane taper lengths and start signs

85 th percentile speed	Nearside Games Lane	Central Games Lane	Offside Games Lane
Taper Length			
30 mph	1:10 Taper 3m wide lane – 30m 4m wide lane – 40m	n/a	1:10 Taper 3m wide lane – 30m 4m wide lane – 40m
40 mph	1:15 Taper 3m wide lane – 45m 4m wide lane – 60m	n/a	1:15 Taper 3m wide lane – 45m 4m wide lane – 60m
50 mph	1:20 Taper 3m wide taper – 60m 4m wide taper – 80m	n/a	1:20 Taper 3m wide taper – 60m 4m wide taper – 80m
Distance to Start of Games Lane Sign			
30 mph	30m	45m*	30m*
40 mph	45m	60m*	45m*
50 mph	75m	110m*	75m*
Visibility to Start of Games Lane Sign			
30 mph	45m	45m*	45m*
40 mph	60m	75m*	60m*
50 mph	90m	90m*	90m*

*Distances shown are indicative only. The designers are responsible for providing a safe and efficient design.

7 Temporary Road Works Signs

7.1 General

Guidance on temporary situations can be found in TSM Chapter 8, paragraph D4.2.7 and D4.2.8. Diversion route symbols may be added to any diversion route sign.

7.2 Sign Sizes and Location

Guidance on the use of temporary signs is provided in TSM Chapter 8 (2009).

Section 4 describes signing principles, Paragraph D3.15 provides design criteria for diversion routes and road closures and Tables A1.1 to A1.3 in Appendix 1 provide details of the recommended location, number and size of the signs.

8 Games Lanes Scheme Boards

8.1 General

Games lane scheme boards may be used in order to provide the public with advance notification of restrictions being implemented for the games lane. Advance signs could give travellers the opportunity to consider using an alternative route. These signs should be used only where they can be sited safely and where they do not distract from or obscure warning, regulatory or other essential road signs. This is particularly important for these signs to be used only on the actual games lane.

Examples of where games lane scheme boards may be used are shown in Appendix A, Figures 1 to 14.

8.2 Non-prescribed Signs

The following signs have been authorised on behalf of the Secretary of State by the Department for Transport:



ORN 5.1.1 (7002A) – ORN Scheme Board

TSRGD direction 36 applies in that the sign must be placed in association with a games lane.

The sign may not require illumination but must be reflectorised in accordance with TRSGD Schedule 17 item 4.

Sign may have variable text revealed by peel off strips.

Legend within the bottom panel will be used to provide details of the scheme. The following variants legend may be used:

- New one way system;
- New road layout;
- New traffic island;
- New traffic signals;
- New zebra crossing;
- Signal priorities changed;
- Signal timings changed; and
- Bus lane suspended.

Agreement with the Signs Audit Team or DfT is required before other variants of legend are included in the design.



ORN 5.1.2 (7002A) – ORN Scheme board

TSRGD direction 36 applies in that the sign must be placed in association with a games lane.

The sign may not require illumination but must be reflectorised in accordance with TRSGD Schedule 17 item 4.

Sign to have variable text revealed by tear off strips.

Permitted variants as sign 5.1.1 may be included in the bottom panel.



8.3 Operational Phases

The following shows a typical arrangement that may be appropriate where the information being provided may change during the operational phases. Further details of this method of operation will be contained in the Operations Guide:



ORN Phase 1 – Games preparation

Scheme board to be provided on the games route to show dates of operation and a „Restrictions will apply’ message



ORN Phase 2 – Games in operation

The temporary sign will have a peel off strip that can be removed on the day of opening to reveal the games lane sign.

The legend in the bottom panel may be varied to suit the restrictions being applied

8.4 Sign Sizes and Location

Guidance on the use of temporary signs is provided in TSM Chapter 8 (2009).

Section 4 describes signing principles. Paragraph D3.15 provides design criteria for diversion routes and road closures and Tables A1.1 to A1.3 in Appendix 1 provide details of the recommended location, number and size of the signs.

Additionally, guidance has been produced by TfL on the design and size of scheme boards for use on the Transport for London Route Network (TLRN).

9 Authorisation Process

9.1 Design Guide

Atkins has produced this design guide on the behalf of the ODA. This guide contains design guidance on non-prescribed signs which have been authorised by the DfT and is to be used as a basis for the design of the traffic signing and carriageway markings on the ORN.

9.2 Non-prescribed Signs

If additional non-prescribed signs are required authorisation for these should be sought from the DfT by the ORN designers directly.

Additional non-prescribed signs and markings should be presented to the DfT as early as possible, as the authorisation process may take some time.

The designer should bear in mind that drawings and plans submitted as part of an application will not just be placed on a file, they will form part of a legal document, and DfT will not accept poorly produced items for this purpose. Drawings must accurately represent the signs or markings as they will appear when manufactured and installed, and the scale of site plans must be shown, although an area wide drawing may be acceptable.

9.3 Procedure

Enclose a letter explaining the background behind the requested authorisation for non-prescribed signs or road markings, along with an application form and a drawing of the sign or marking.

Once DfT have given approval in principle for the design of the proposed new sign or road marking, they will complete and issue the authorisation

They will aim to issue an authorisation within three months from receipt of a final design.

Appendix A:

Contents

Regulatory Signs

- ORN 1.1 (618.1) - Supplementary plate for use with diagrams 617
- ORN 1.2 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.1 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.2 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.3 (620) – Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.4 (570) – Distance over which hazard or prohibition extends supplementary plate for use with diagrams 612 and 613
- ORN 1.2.5 (620) – Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.6 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 1.2.7 (620) - Supplementary plate for use with diagrams 606, 609, 612, 613 and 619
- ORN 2.1.1 and 2.1.2 (618.2) – Entry to games zone or lane restricted.
- ORN 2.1.3 (620) – Supplementary plate for use with regulatory signs
- ORN 2.1.4 (620) - Supplementary plate for use with regulatory signs
- ORN 2.1.5 (954.5) – Games vehicles are excluded from restriction or prohibition conveyed by the associated signals. Signs are mounted in combination with light signals prescribed by regulation 33.
- ORN 2.1.6 (954.5) – Games vehicles and buses are excluded from restriction or prohibition similar to ORN 2.1.5
- ORN 2.3.1 and 2.3.2 (618.4) – End of restrictions associated with a games zone or lane.
- ORN 2.4.1 (636.2) – Prohibition on stopping during the periods indicated.
- ORN 2.5.1 (818.3) – No right turn xx yds ahead.
- ORN 2.5.2 (818.3) - No right turn except for local buses xx yds ahead
- ORN 2.6.1 – In case of breakdown information sign

Start of Games lane (with flow)

- ORN 3.1.1 (958) – Start of nearside games lane
- ORN 3.1.2 (958) – Start of offside games lane

- ORN 3.1.3 (958) – Start of nearside games vehicles, bus, m/c, cycle and taxi lane
- ORN 3.1.4 (958) - Start of offside games vehicles, bus, m/c, cycle and taxi lane
- ORN 3.1.5 (958) – Nearside games lane repeater, central lane for any vehicle and start of offside games lane
- ORN 3.1.6 (958) – Nearside games vehicles, bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane
- ORN 3.1.7 (958) – Start of nearside games vehicles and cycle lane
- ORN 3.1.8 (958) – Existing nearside bus lane open to ‚any vehicle’ repeater, central lane for any vehicle and start of offside games vehicles, bus, m/c, cycle and taxi lane
- ORN 3.1.9 (958) – Nearside lane for any vehicle, start of central games and bus lane; and offside bus lane repeater
- ORN 3.1.10 (958) – Start of central games lane
- ORN 3.1.11 (958) – Start of offside games lane on a motorway
- ORN 3.1.12 (958) – Advance warning to start of offside games lane on a motorway
- ORN 3.1.13 (958) – Nearside games lane repeater, central lane for any vehicle and offside start of games vehicles, bus, m/c, cycle and taxi lane
- ORN 3.1.14 (958) – Nearside games lane repeater, start of central games vehicles, bus, m/c, cycle and taxi lane; and offside lane for any vehicle repeater
- ORN 3.1.15 (958) – Nearside start of games lane, central lane for any vehicle and offside lane for games vehicles, bus, m/c, cycle and taxi repeater
- ORN 3.1.16 (958) - Nearside start of games lane, central lane for any vehicle and offside games lane repeater
- ORN 3.1.17 (958) – Nearside lane for any vehicle repeater, start of central games vehicles and bus lane; and offside bus only lane
- ORN 3.1.18 (958) – Start of central games and bus lane.
- ORN 3.1.19 (958) – Nearside and central lanes for any vehicle repeater and offside start of games and bus lane.
- ORN 3.1.20 (958) – Advance warning to start of an offside games lane
- ORN 3.1.22 (958) – Start of nearside games vehicles, local bus, HGV’s over 3.5T, m/c, cycle and taxi lane
- ORN 3.1.23 (958) – Start of nearside games lane, central lane for any vehicle; and offside contra-flow lane
- ORN 3.1.24 (958) – Nearside bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane

Games lane repeater signs (with flow)

- ORN 3.2.1 (959) – Nearside games lane repeater.
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- ORN 3.2.2 (959) – Offside games lane repeater.
- ORN 3.2.3 (959) – Nearside games vehicles, bus, m/c, cycle and taxi lane repeater
- ORN 3.2.4 (959) – Offside side games vehicles, bus, m/c, cycle and taxi lane repeater
- ORN 3.2.5 (959) - Central games lane with nearside and offside lanes for any vehicle repeater, with left and ahead arrows for any vehicles repeater.
- ORN 3.2.6 (959) - Central games vehicles, bus, m/c, cycle and taxi lane with nearside and offside lanes for any vehicle repeater
- ORN 3.2.7 (959) - Nearside and offside games lane and central lane for any vehicle repeater
- ORN 3.2.8 (959) - Nearside bus, m/c, cycle and taxi lane, central lane for any vehicle lane and offside games lane repeater.
- ORN 3.2.9 (959) – Nearside games and cycle lane repeater
- ORN 3.2.10 (959) - Nearside and central lane for any vehicle and offside games lane repeater
- ORN 3.2.11 (959) - Nearside lane for any vehicle, central games, local bus, m/c, cycle and taxi lane and; offside bus only lane repeater
- ORN 3.2.12 (959) - Nearside lane for any vehicle, central games lane and offside local bus, m/c, cycle and taxi lane repeater
- ORN 3.2.13 (959) - Nearside games lane, central lane for any vehicle and offside bus, m/c, cycle and taxi lane repeater
- ORN 3.2.14 (959) - Nearside games lane, central lane for any vehicle and offside contra-flow lane repeater
- ORN 3.2.16 (959) – Nearside games lane, central lane for any vehicle and offside games vehicles, bus, m/c, cycle and taxi lane repeater
- ORN 3.2.17 (959) – Gantry mounted games lane sign
- ORN 3.2.18 (959) – Nearside and central lanes for any vehicle and offside games vehicles and bus lane repeater
- ORN 3.2.19 (959) – Start of Central games lane
- ORN 3.2.20 (959) – Nearside games lane, central games vehicles, bus, m/c, cycle and taxi lane and offside lane for any vehicle repeater
- ORN 3.2.21 (959) - Nearside games vehicles, bus, m/c, cycle and taxi lane, central lane for any vehicle and offside games lane repeater.
- ORN 3.2.22 (959) – Nearside games vehicles, local bus, HGV's over 3.5T, m/c, cycle and taxi lane repeater

Other signs

- ORN 3.3.1 (960) – Contra flow games lane.
- ORN 3.3.2 (960) – Contra flow bus and games lane.

- ORN 3.4 (961) – Times of operation for games lanes to diagrams 958 and 959.
- ORN 3.4.1 (961) - Distance over which games lanes extend
- ORN 3.4.2 (961) - Distance to start of games lane
- ORN 3.5.1 (962) – Games lane ahead in direction of the arrow.
- ORN 3.5.2 (962) – Bus and games lane ahead in direction of the arrow.
- ORN 3.6 (964) – End of games lane.
- ORN 3.7 (2114) – Central games lane with nearside and offside lanes for any vehicle with lane indication.
- ORN 3.8 (2019) – Central games lane with nearside and offside lanes for any vehicle with lane indication.
- ORN 3.11 (959) – Bus lane suspended repeater sign.
- ORN 3.11.1 (958) – Start of bus lane suspended sign
- ORN 3.12.1 (7201) - Nearside bus and games lane and central lane for any vehicle; with contra-flow offside lane
- ORN 3.12.2 (7208) – Distance ahead to which conditions indicated by signs shown in the diagrams above start to apply
- ORN 3.12.3 (7201.1) - Distance ahead to which conditions indicated by signs shown in the diagrams above will apply
- ORN 3.13 (2716) – Alternative route information sign
- ORN 3.14 (877) – Appropriate traffic lanes for different manoeuvres at a junction ahead with a nearside games lane
- ORN 3.15 (872.1) – Number of lanes ahead on a dual carriageway reduces from three to two lanes with a nearside games lane
- ORN 3.16 (868) – Additional traffic lane joining from the left ahead, with an offside games lane
- ORN 3.17 (868.1) – Additional traffic lane joining from the right ahead, with an offside games lane

Temporary Road Markings

- ORN 4.1 – Start of games lane marking
- ORN 4.2 – Start of bus and games lane marking
- ORN 4.3 – End of games lane marking
- ORN 4.4 – End of bus and games lane marking

Temporary Road works signs

- ORN 5.1.1 (7002A) – ORN scheme board
- ORN 5.1.2 (7002A) – ORN Scheme board



TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	660	
Height of sign	715	
Sign area (sq. m)	0.47	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter diagram 617 with the supplementary plate ORN 1.1, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x – height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 1.1 (618.1)

Supplementary plate for use with diagram 617

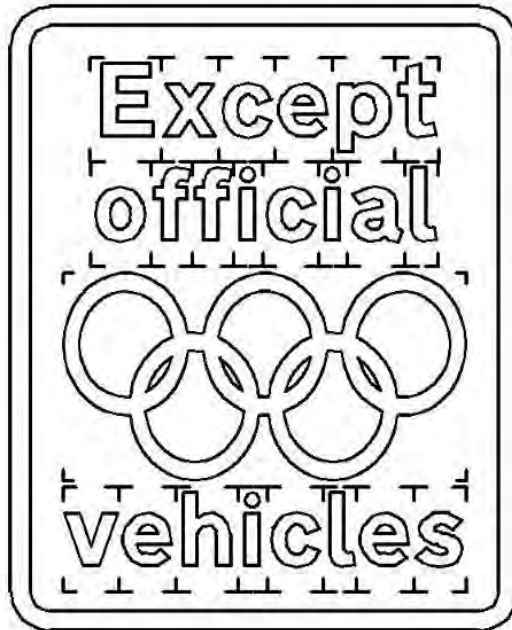


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	485	
Height of sign	600	
Sign area (sq. m)	0.29	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x – height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 700

SIGN FACE DETAIL - ORN 1.2 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

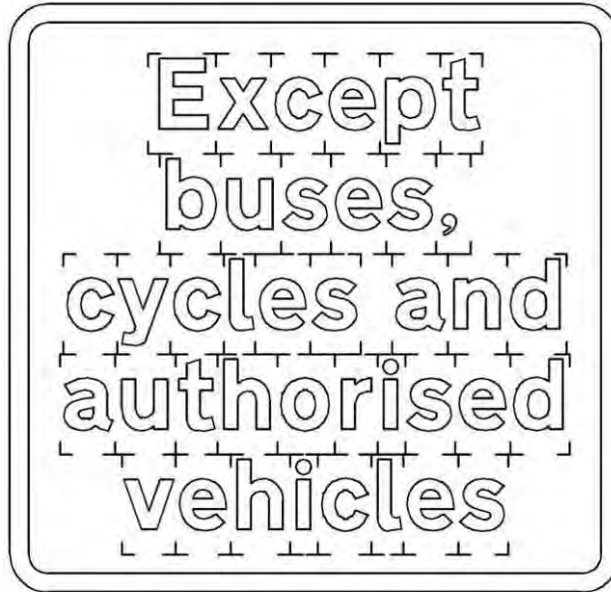


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	610	
Height of sign	590	
Sign area (sq. m)	0.36	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.1, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 700

SIGN FACE DETAIL - ORN 1.2.1 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

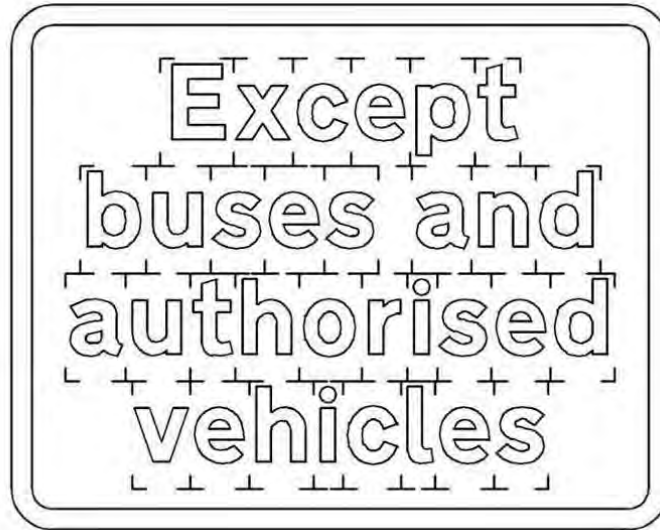


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	610	
Height of sign	490	
Sign area (sq. m)	0.30	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.2, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 1.2.2 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

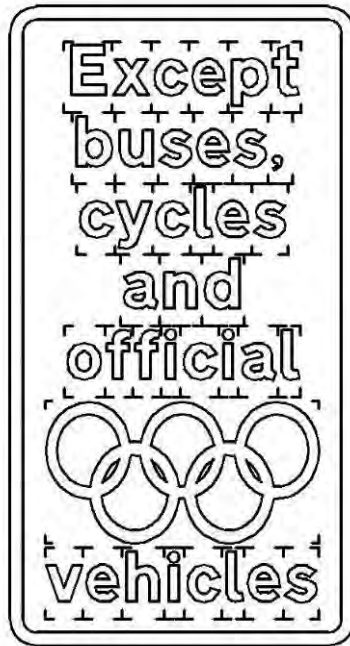


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	485	
Height of sign	900	
Sign area (sq. m)	0.44	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.3, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 4.0 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 1.2.3 (620)

Supplementary plate for use with diagram 606, 609, 612, 613 and 619

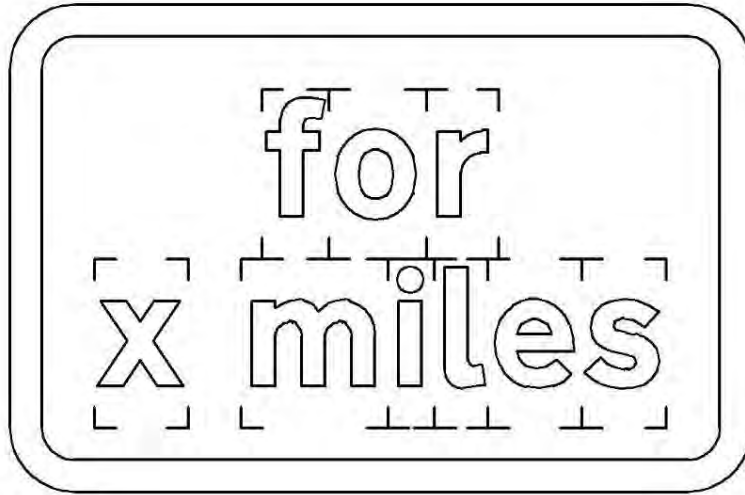


TABLE OF SIGN SIZES (mm)

x-height of text	62.5	
Width of sign	545	
Height of sign	360	
Sign area (sq. m)	0.20	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. The letter X will be substituted with the appropriate number.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter diagram 612 or 613 with the supplementary plate ORN 1.2.4, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 62.5 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 1.2.4 (570)

Distance over which hazard or prohibition extends supplementary plate for use with diagrams 612 and 613

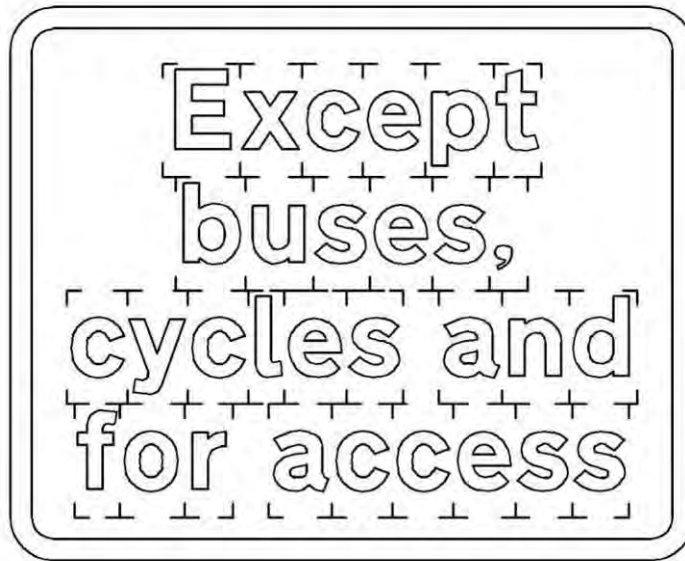


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	600	
Height of sign	490	
Sign area (sq. m)	0.29	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.5, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 1.2.5 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

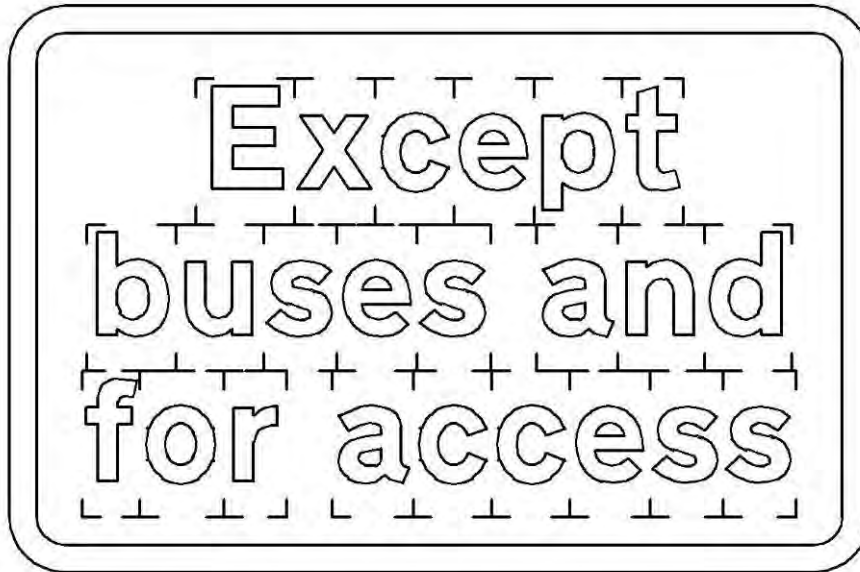


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	590	
Height of sign	390	
Sign area (sq. m)	0.23	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.6, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 1.2.6 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

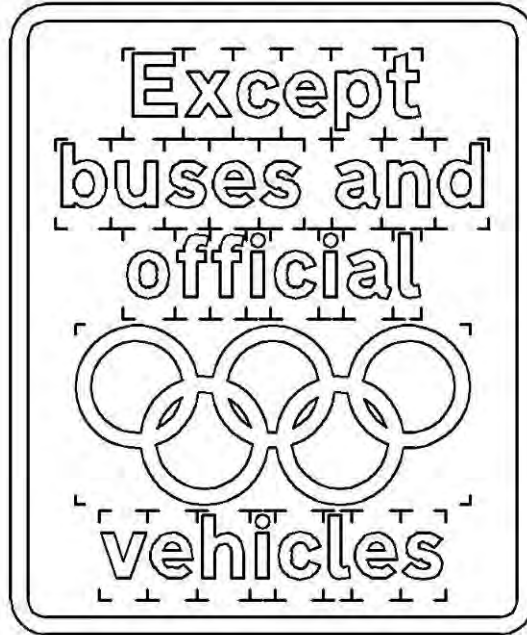
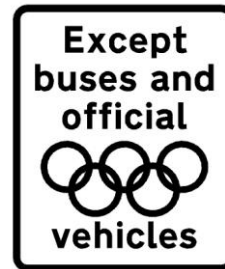


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	580	
Height of sign	700	
Sign area (sq. m)	0.41	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory sign with the supplementary plate ORN 1.2.7, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 700

SIGN FACE DETAIL - ORN 1.2.7 (620)

Supplementary plate for use with diagrams 606, 609, 612, 613 and 619

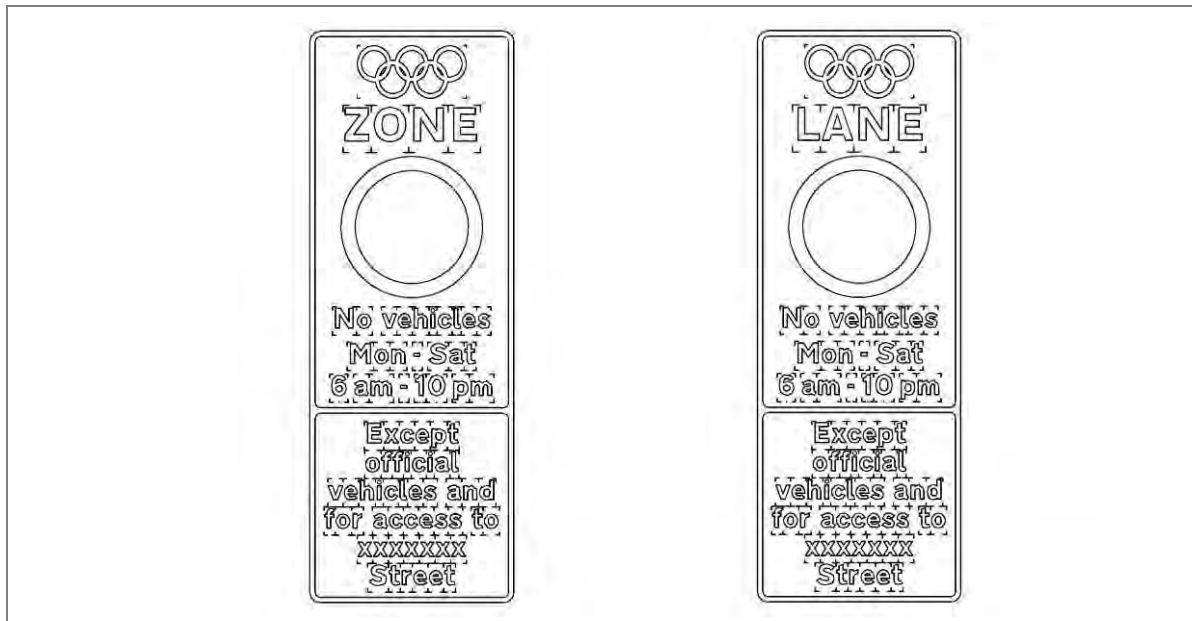


TABLE OF SIGN SIZES (mm)		
x-height of text	37.5 / 62.5	
Width of sign	540	
Height of sign	1515	
Sign area (sq. m)	0.82	

NOTES:

1. Symbol detail is diagram 617
2. Symbol dimension is 40 sw diameter
3. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
Diagram 617 Symbol – RED
4. Times of operation and street name may be varied
5. ZONE may be varied to LANE

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 37.5/62.5 mm x - height	1 x 88.9 x 4.0 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 2.1.1 and 2.1.2 (618.2)

Entry to games zone or lane restricted

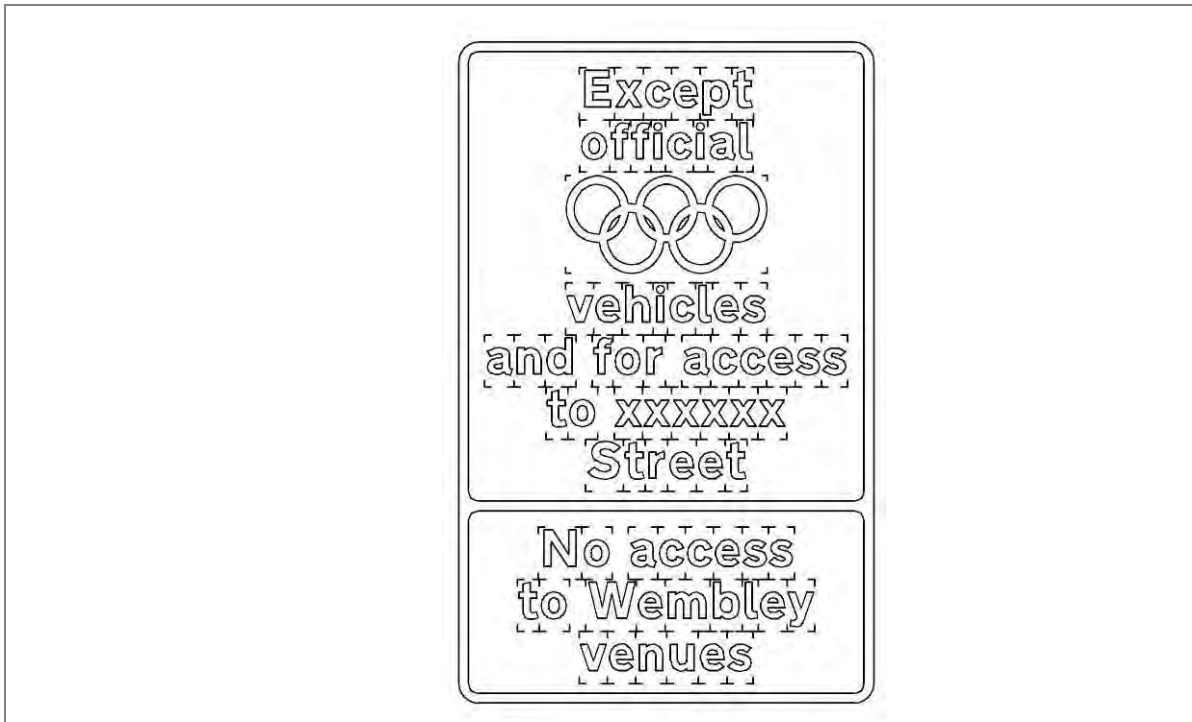


TABLE OF SIGN SIZES (mm)

x-height of text	50	62.5
Width of sign	795	990
Height of sign	1270	1585
Sign area (sq. m)	1.01	1.57



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. Street name and bottom panel may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter sign with a supplementary plate ORN 2.1.3 on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 700
1 – 62.5 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 900

SIGN FACE DETAIL - ORN 2.1.3 (620)

Supplementary plate for use with regulatory signs

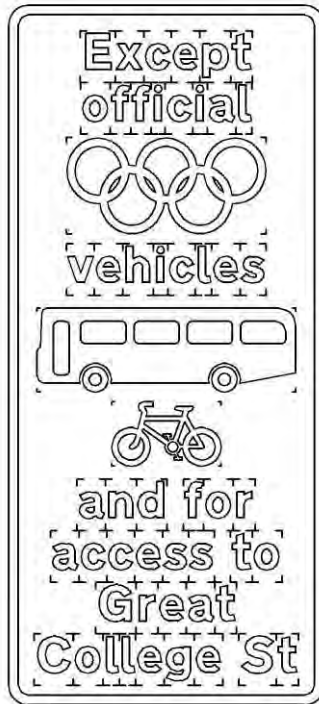
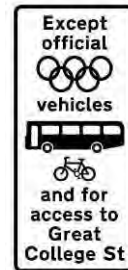


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	610	
Height of sign	1355	
Sign area (sq. m)	0.83	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. Street name may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting a 600mm diameter regulatory signs with the supplementary plate ORN 2.1.4 below, on a permanent new post at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700

SIGN FACE DETAIL - ORN 2.1.4 (620)

Supplementary plate for use with regulatory signs

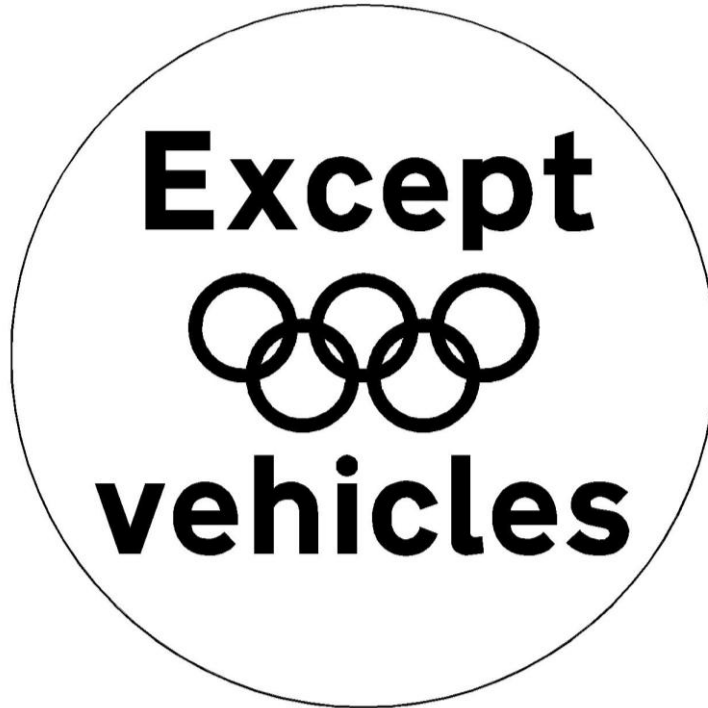
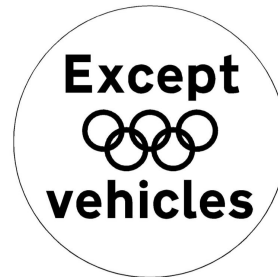


TABLE OF SIGN SIZES (mm)

x-height of text		
Width of sign	300 dia	
Height of sign	n/a	
Sign area (sq. m)	0.09	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

Sign mounted on traffic signal

SIGN FACE DETAIL - ORN 2.1.5 (954.5)

Games vehicles are excluded from restriction or prohibition conveyed by the associated signals. Signs are mounted in combination with light signals prescribed by regulation 33.

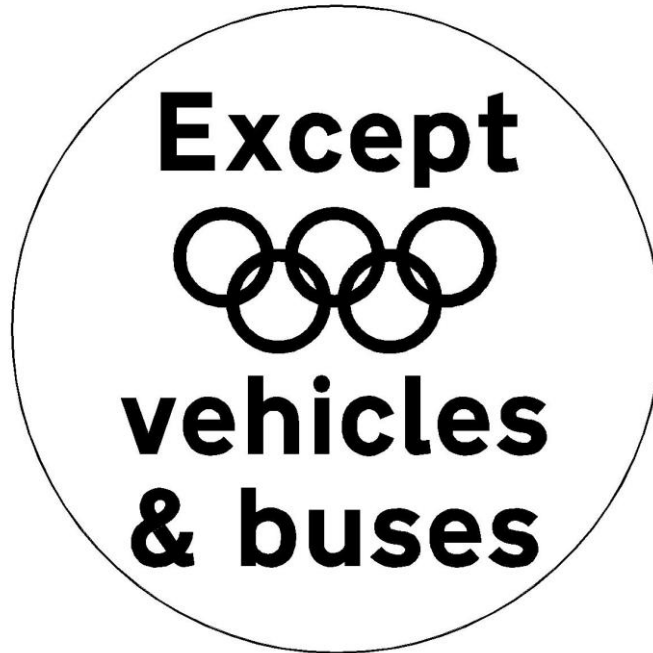
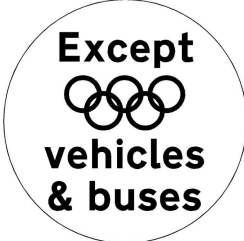


TABLE OF SIGN SIZES (mm)		
x-height of text		
Width of sign	300 dia	
Height of sign	n/a	
Sign area (sq. m)	0.09	



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

Sign mounted on traffic signal

SIGN FACE DETAIL - ORN 2.1.6 (954.5)

Games vehicles and buses are excluded from restriction or prohibition similar to ORN 2.1.5

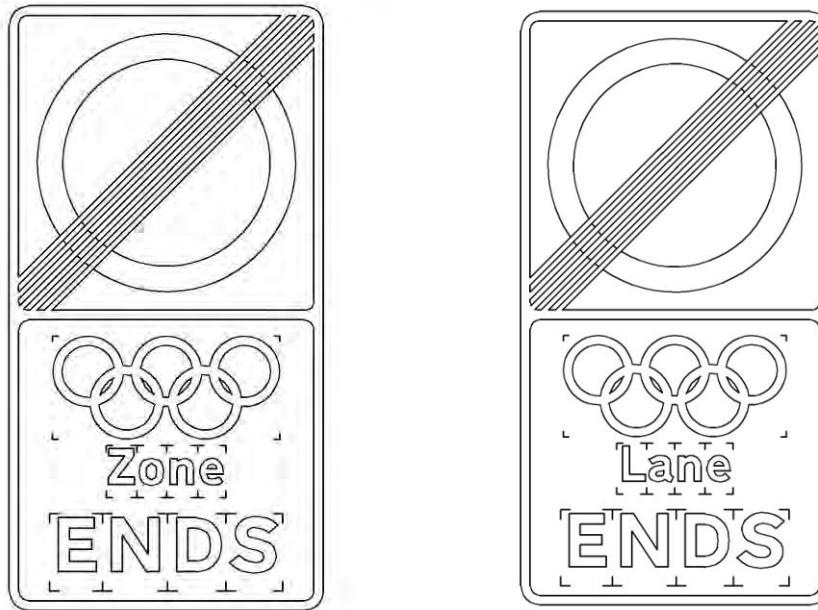
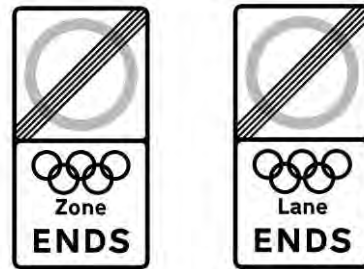


TABLE OF SIGN SIZES (mm)

x-height of text	50 / 75	
Width of sign	605	
Height of sign	1170	
Sign area (sq. m)	0.71	



NOTES:

1. Symbol detail is roundel for diagram 664
2. Symbol dimension is 40 sw diameter
3. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
Diagram 664 Symbol – GREY

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50/75 mm x-height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 700

SIGN FACE DETAIL - ORN 2.3.1 and 2.3.2 (618.4)

End of restrictions associated with a games zone or lane



TABLE OF SIGN SIZES (mm)		
x-height of text	40	
Width of sign	385	
Height of sign	830	
Sign area (sq. m)	0.32	



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
2. Diagram 642 Symbol – RED/BLUE
3. Times of operation may be varied and direction of arrow amended or a second arrow added.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 40 mm x - height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 500

SIGN FACE DETAIL - ORN 2.4.1 (636.2)
Prohibition on stopping during the periods indicated



TABLE OF SIGN SIZES (mm)

x-height of text	60.0	75.0	100.0
Width of sign	595	740	990
Height of sign	1015	1265	1690
Sign area (sq. m)	0.60	0.94	1.67



NOTES:

1. Symbol detail is diagram 612 or 613
2. COLOURS : Background – BLUE, Legend, Symbols and Border – RED / WHITE
3. Distance may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 60 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600
2 – 75 mm x – height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 700
3 – 100 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 700

SIGN FACE DETAIL - ORN 2.5.1 (818.3)

No right turn xx yds ahead



TABLE OF SIGN SIZES (mm)		
x-height of text	60	75
Width of sign	860	1075
Height of sign	1185	1480
Sign area (sq. m)	1.02	1.59



NOTES:

1. Symbol detail is diagram 612 or 613
2. COLOURS : Background – BLUE, Legend, Symbols and Border – RED / WHITE
3. Distance may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 60 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 700
2 – 75 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600

SIGN FACE DETAIL - ORN 2.5.2(818.3)

No right turn except for local buses xx yds ahead

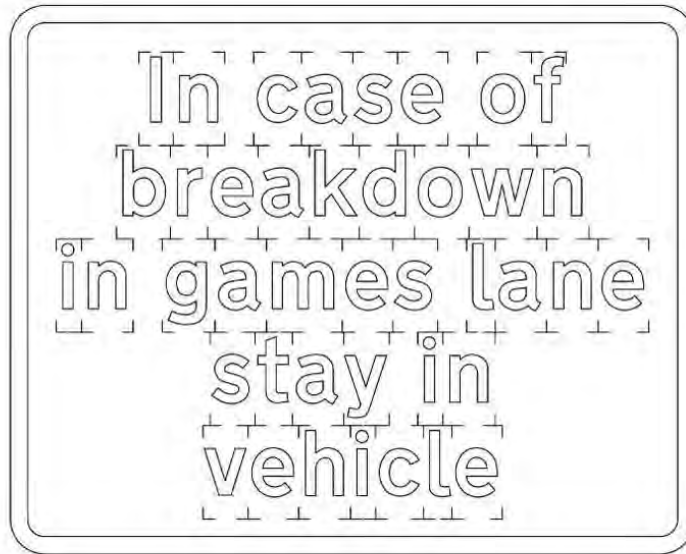


TABLE OF SIGN SIZES (mm)

x-height of text	150	200
Width of sign	2220	2960
Height of sign	1760	2230
Sign area (sq. m)	3.91	6.96



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 150 mm x - height	2 x 139.7 x 6.3 CHS	2 x 900 x 1400 x 900
2 – 200 mm x - height	2 x 168.3 x 6.3 CHS	2 x 1000 x 1800 x 900

SIGN FACE DETAIL - ORN 2.6.1

In case of breakdown information sign

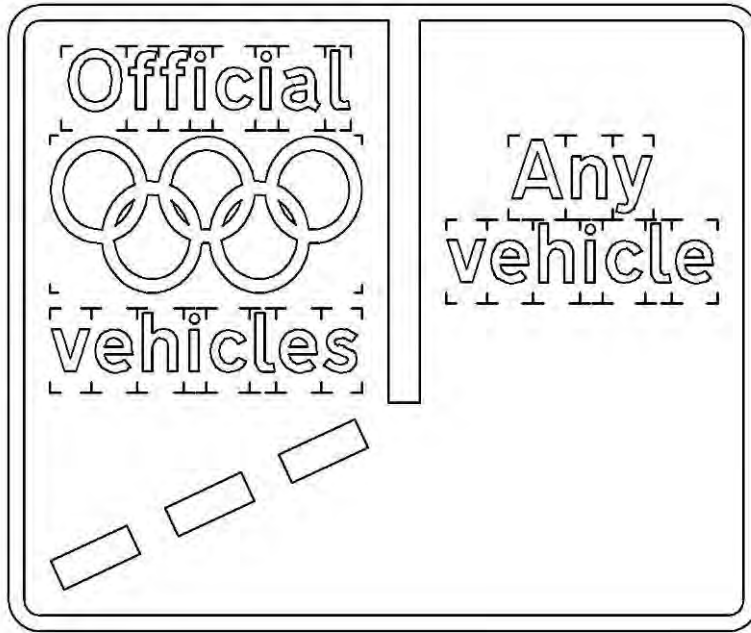


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0	75.0
Width of sign	895	1075	1345
Height of sign	745	895	1120
Sign area (sq. m)	0.67	0.96	1.50



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600
2 – 60 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
3 – 75 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 700

SIGN FACE DETAIL - ORN 3.1.1 (958)

Start of nearside games lane

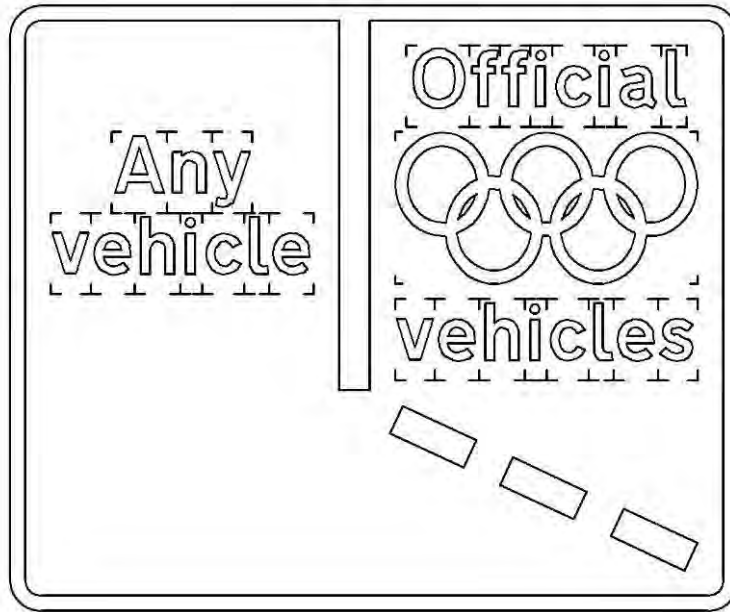


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0	75.0
Width of sign	895	1075	1345
Height of sign	745	895	1120
Sign area (sq. m)	0.67	0.96	1.50



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600
2 – 60 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700
3 – 75 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 800

SIGN FACE DETAIL - ORN 3.1.2 (958)

Start of offside games lane

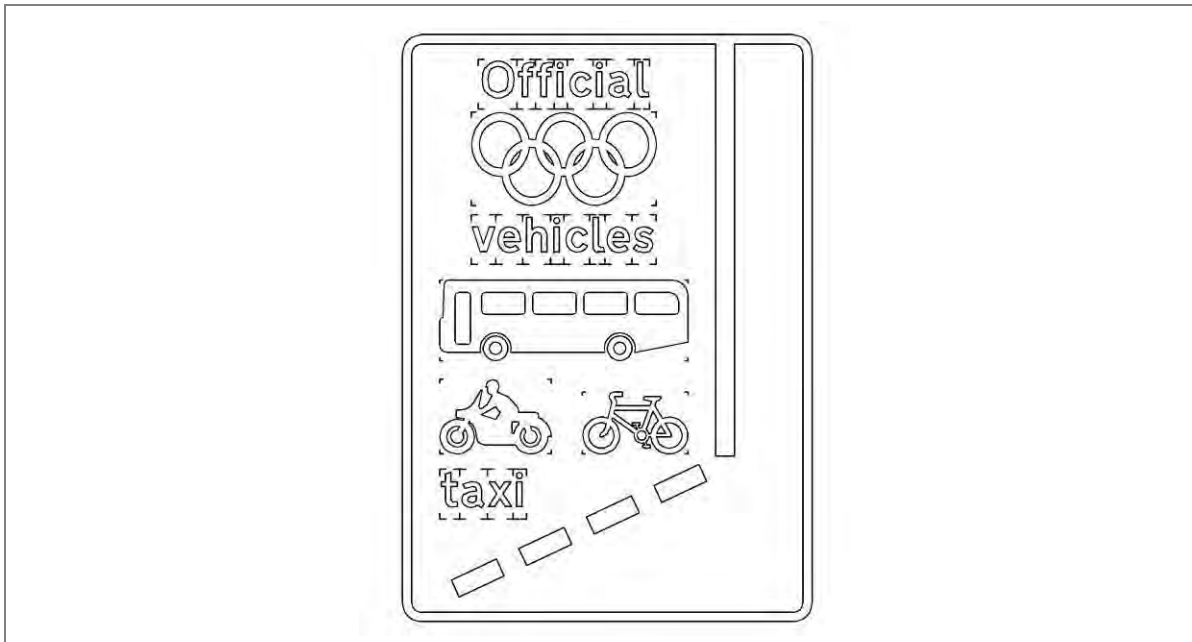


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	825	990
Height of sign	1180	1420
Sign area (sq. m)	0.97	1.40



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23, S24
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to local buses shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text. Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600

SIGN FACE DETAIL - ORN 3.1.3 (958)

Start of nearside games vehicles, bus, m/c, cycle and taxi lane

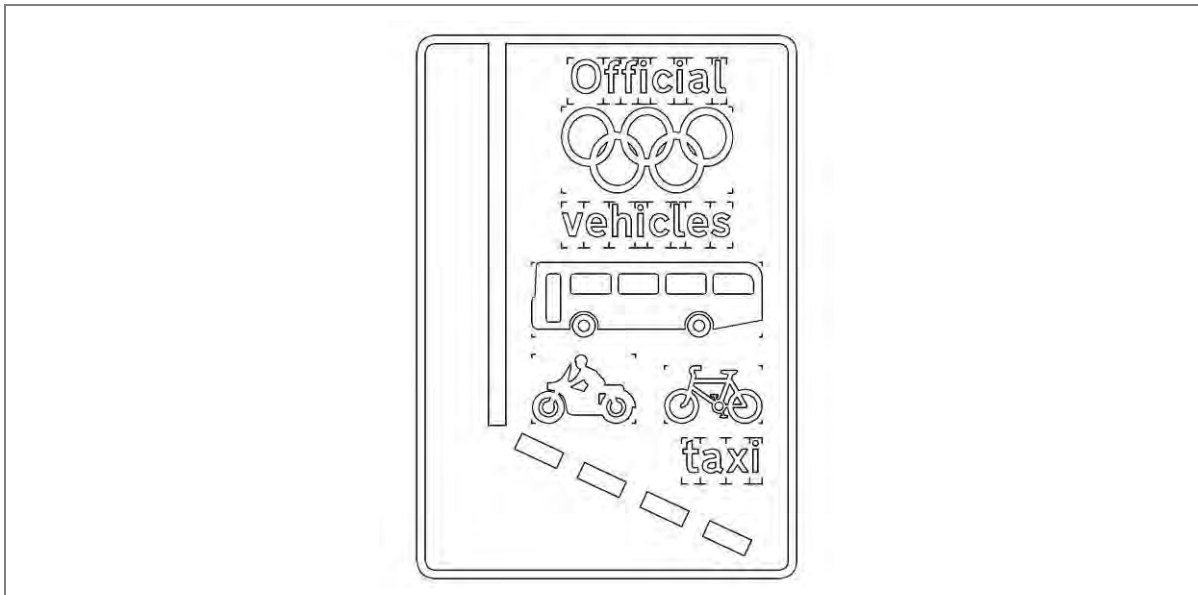



TABLE OF SIGN SIZES (mm)			
x-height of text	50.0	60.0	
Width of sign	825	990	
Height of sign	1180	1420	
Sign area (sq. m)	0.97	1.40	

NOTES:

1. Symbol details are given in the DfT working drawings S25, S23, S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend „taxi”, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to local buses shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700
2 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 800

SIGN FACE DETAIL - ORN 3.1.4 (958)

Start of offside games vehicles, bus, m/c, cycle and taxi lane

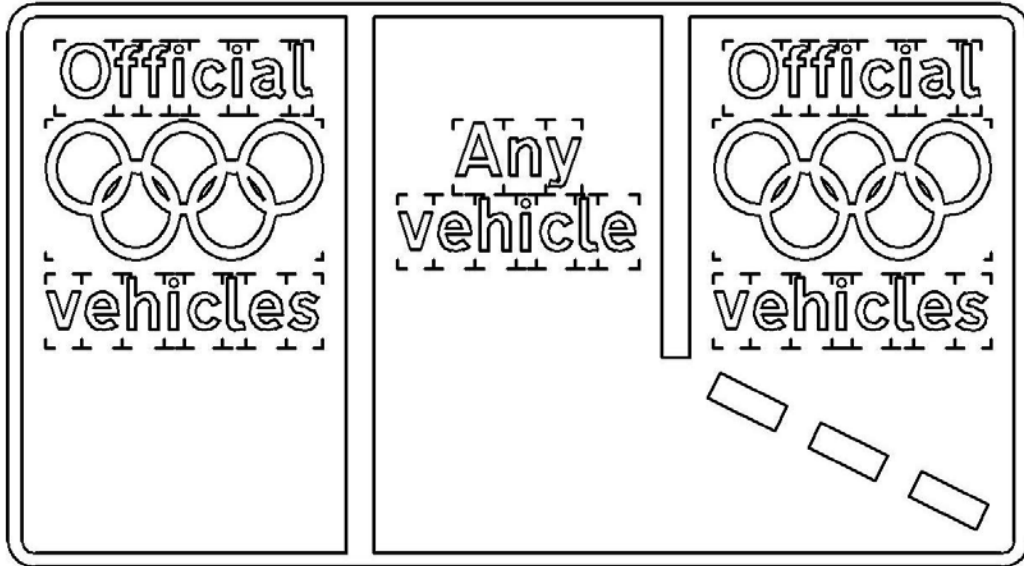
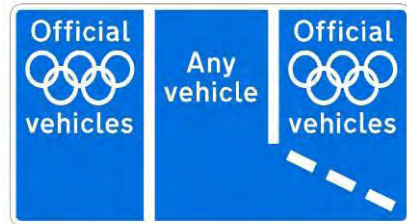


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1365	1640
Height of sign	755	905
Sign area (sq. m)	1.03	1.49



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	2 x 114.3 x 4.0 CHS	2 x 600 x 1300 x 600

SIGN FACE DETAIL - ORN 3.1.5 (958)

**Nearside games lane repeater, central lane for any vehicle and start of
offside games lane**

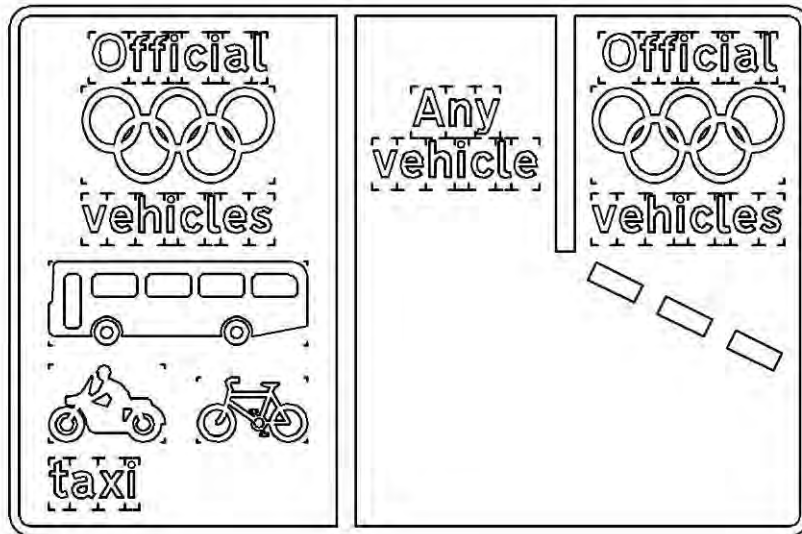
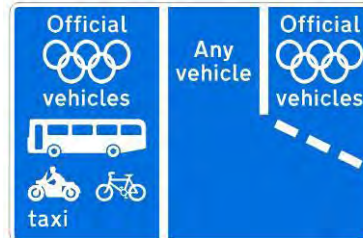


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1545	1855
Height of sign	1025	1230
Sign area (sq. m)	1.58	2.28



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23, S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1300 x 500
2 – 60 mm x – height	2 x 139.7 x 6.3 CHS	2 x 800 x 1500 x 600

SIGN FACE DETAIL - ORN 3.1.6 (958)

Nearside games vehicles, bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane

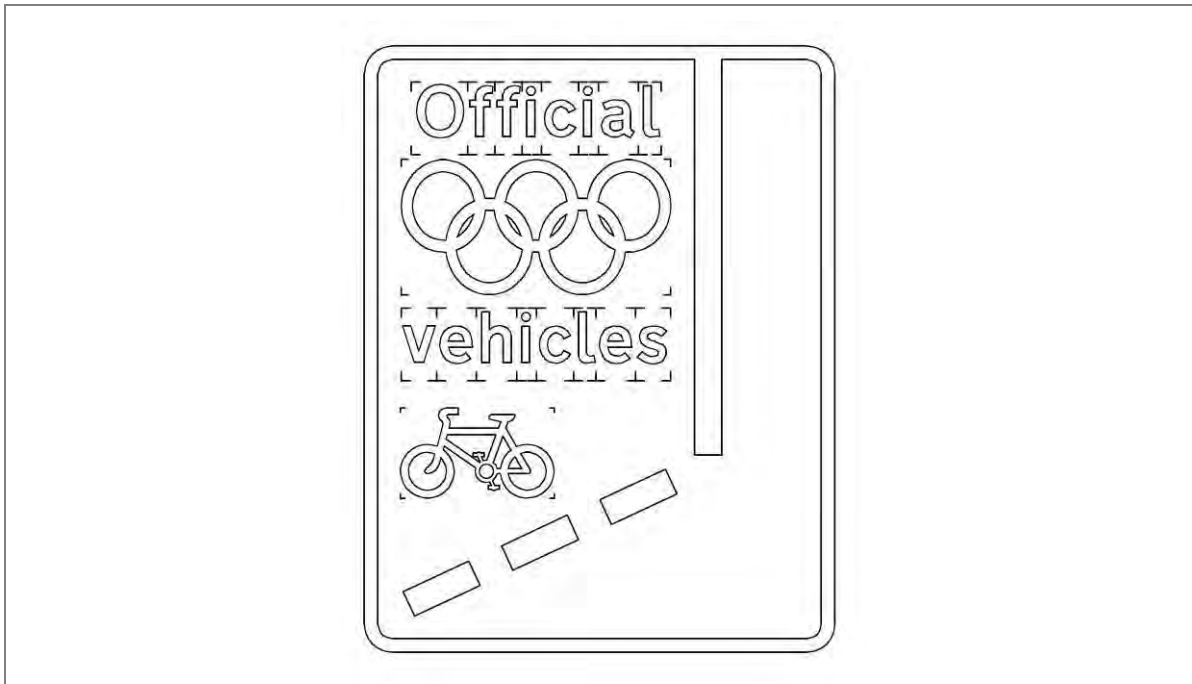


TABLE OF SIGN SIZES (mm)		
x-height of text	50	60
Width of sign	650	780
Height of sign	840	1005
Sign area (sq. m)	0.54	0.78



NOTES:

1. Symbol details are given in the DfT working drawings S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text. Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600
2 – 60 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.1.7 (958)

Start of nearside games vehicles and cycle lane

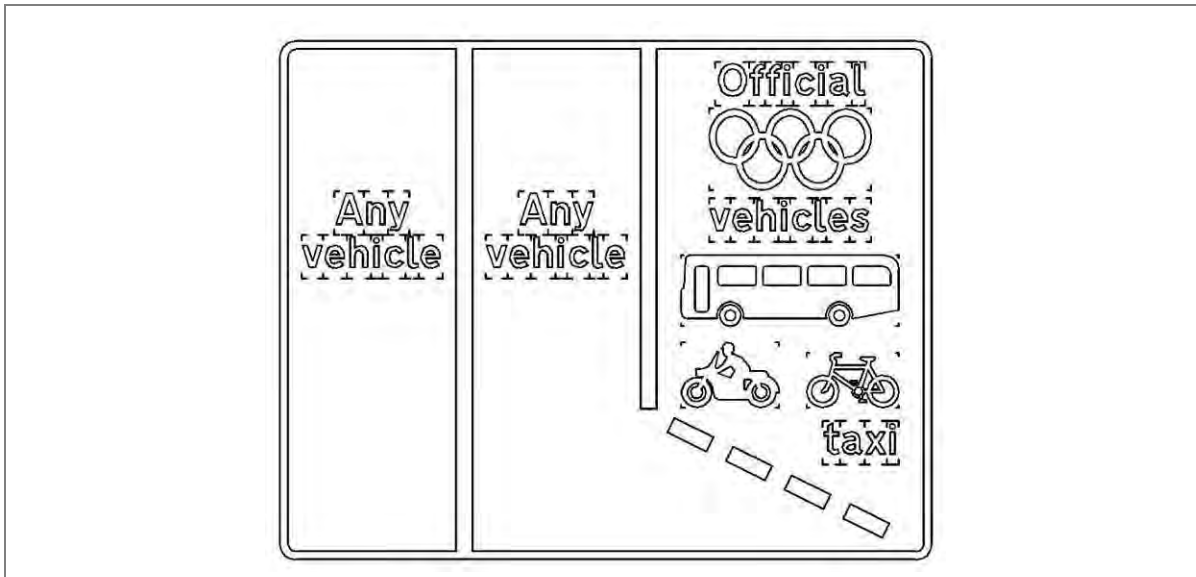
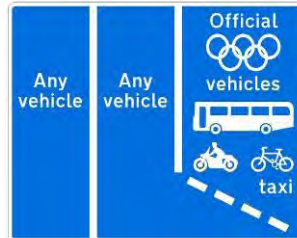


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1496	1795
Height of sign	1195	1430
Sign area (sq. m)	1.79	2.57



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23, S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE.
3. The legend ‚taxi‘, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 900
2 – 60 mm x - height	2 x 139.7 x 6.3 CHS	2 x 800 x 1500 x 600

SIGN FACE DETAIL - ORN 3.1.8 (958)

Existing nearside bus lane open to ‘any vehicle’ repeater, central lane for any vehicle and start of offside games vehicles, bus, m/c, cycle and taxi lane

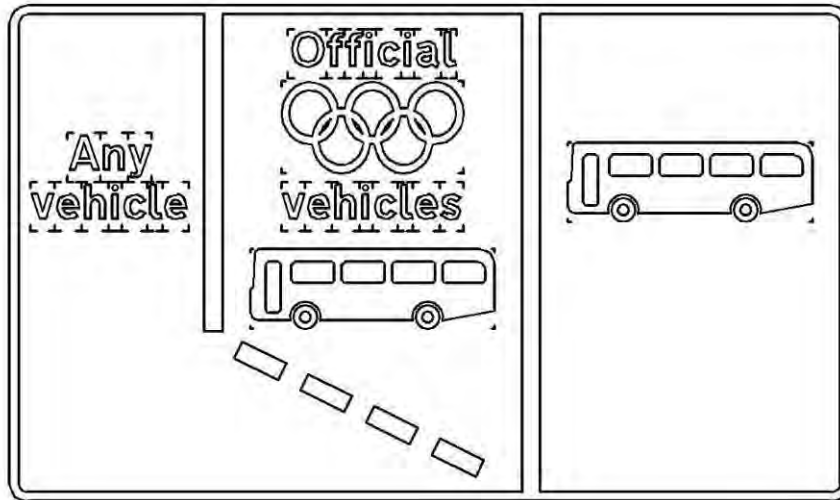
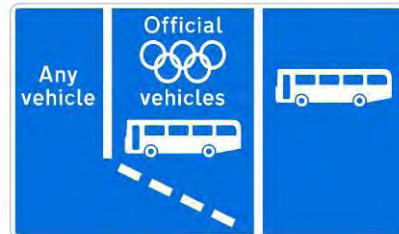


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1715	2060
Height of sign	1015	1220
Sign area (sq. m)	1.74	2.51



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. Symbol details are given in the DfT working drawings S25, S23, S24 and may be added.
3. The bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1300 x 600
2 – 60 mm x - height	2 x 139.7 x 6.3 CHS	2 x 800 x 1400 x 700

SIGN FACE DETAIL - ORN 3.1.9 (958)

Nearside lane for any vehicle, central start of games and bus lane and offside bus lane repeater

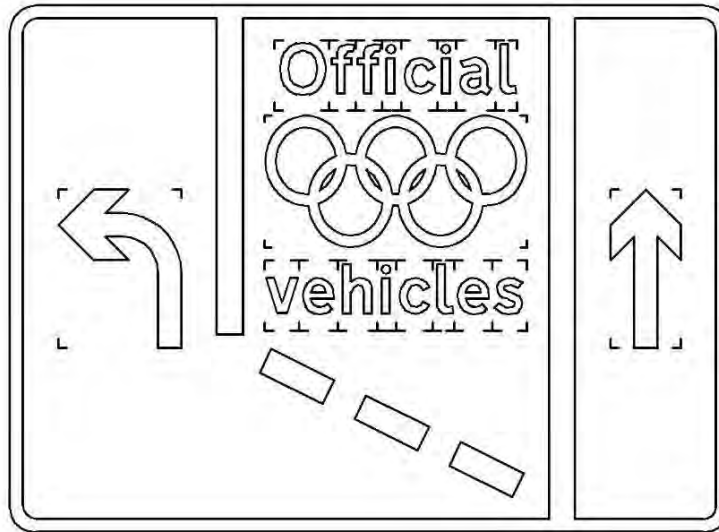
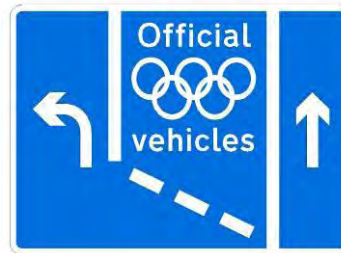


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1020	1225
Height of sign	750	895
Sign area (sq. m)	0.76	1.10



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.
3. Direction of the arrows may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x1000 x 1000 x 700
2 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700

SIGN FACE DETAIL - ORN 3.1.10 (958)

Start of central games lane

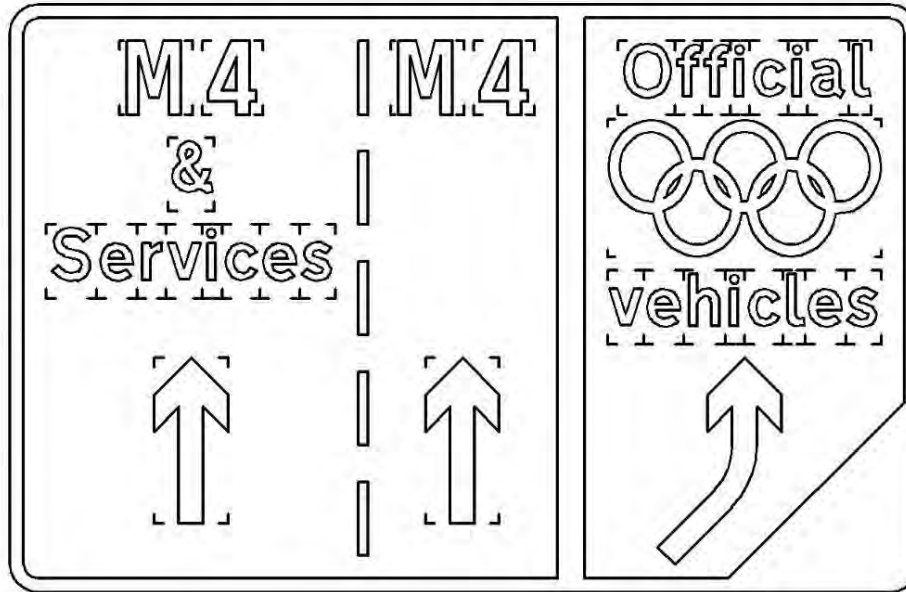
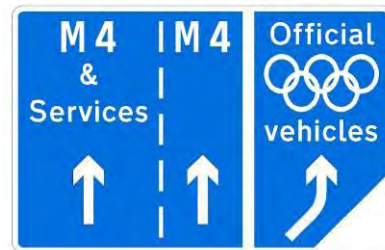


TABLE OF SIGN SIZES (mm)

x-height of text	150	200
Width of sign	3710	4945
Height of sign	2400	3200
Sign area (sq. m)	8.90	15.82



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. Route number, destinations and direction of the arrows may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 1500mm

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 150 mm x - height	2 x 193.7 x 6.3 CHS	2 x 1000 x 1900 x 1100
2 – 200 mm x - height	2 x 273.0 x 10 CHS	2 x 1500 x 2100 x 1200

SIGN FACE DETAIL - ORN 3.1.11 (958)

Start of offside games lane on a motorway

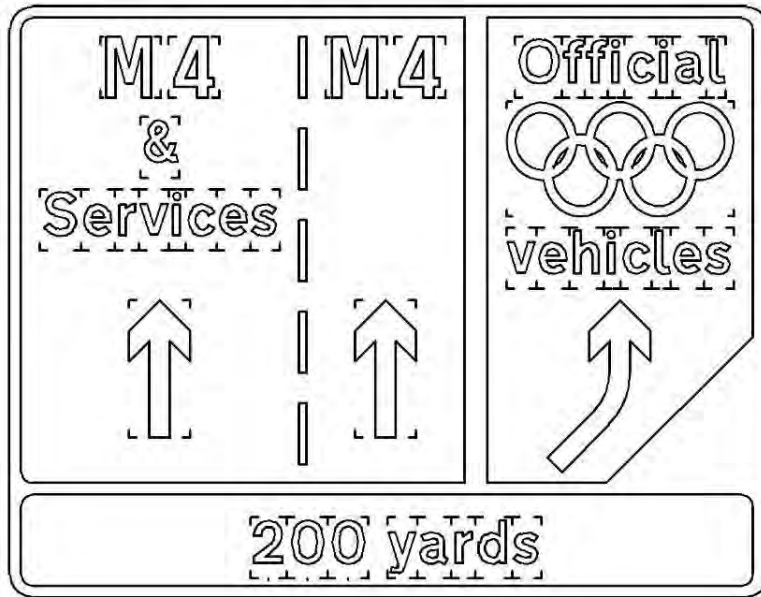
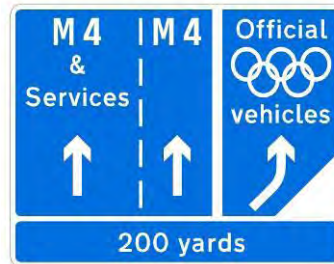


TABLE OF SIGN SIZES (mm)

x-height of text	150	200
Width of sign	3730	4975
Height of sign	2905	3875
Sign area (sq. m)	10.85	19.28



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. Route number, destinations, distance and direction of the arrows may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 1500mm

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 150 mm x - height	2 x 193.7 x 6.3 CHS	2 x 1000 x 2000 x 1200
2 – 200 mm x - height	2 x 273 x 10 CHS	2 x 1700 x 2200 x 1300

SIGN FACE DETAIL - ORN 3.1.12 (958)

Advance warning to start of offside games lane on a motorway

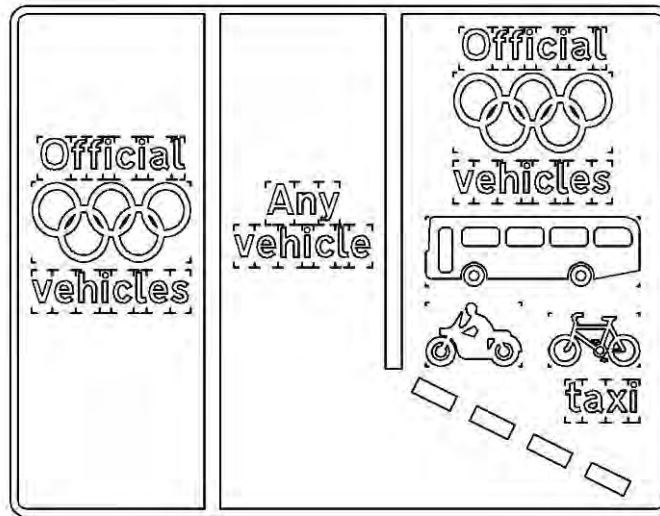
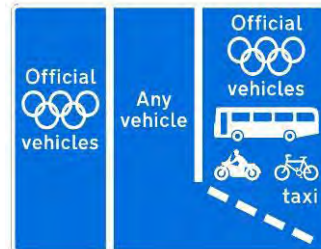


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	1195	1435
Sign area (sq. m)	1.85	2.64



NOTES:

- 1 Symbol details are given in the DfT working drawings S25, S23 and S24.
- 2 COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
- 3 The legend „taxi”, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
- 4 A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1300 x 600
2 – 60 mm x - height	2 x 139.7 x 6.3 CHS	2 x 1000 x 1400 x 600

SIGN FACE DETAIL - ORN 3.1.13 (958)

Nearside games lane repeater, central lane for any vehicle and offside start of games vehicles, bus, m/c, cycle and taxi lane

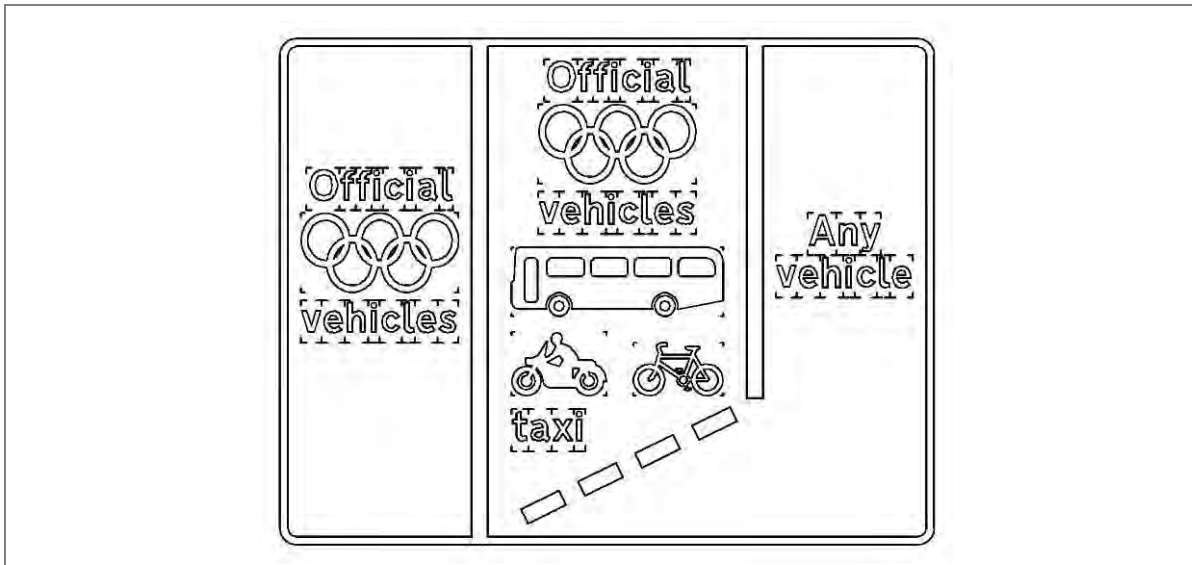
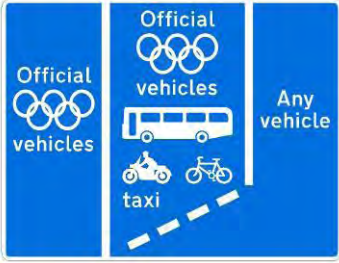


TABLE OF SIGN SIZES (mm)		
x-height of text	50	60
Width of sign	1545	1855
Height of sign	1195	1435
Sign area (sq. m)	1.85	2.66



The image shows a color-coded version of the sign face. The background is blue, and the text and symbols are white. The layout is identical to the working drawing above.

NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24 .
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend ‚taxi‘, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1300 x 600
1 – 60 mm x - height	2 x 139.7 x 6.3 CHS	2 x 1000 x 1400 x 600

SIGN FACE DETAIL - ORN 3.1.14 (958)

Nearside games lane repeater, central start of games vehicles, bus, m/c, cycle and taxi lane and offside lane for any vehicle repeater

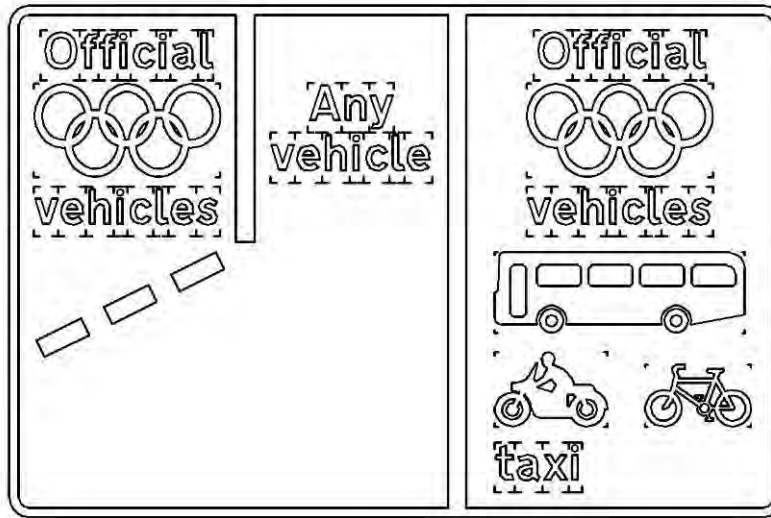
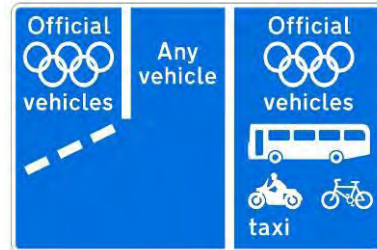


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	1025	1230
Sign area (sq. m)	1.58	2.28



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend „taxi”, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
1 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 600 x 1300 x 600

SIGN FACE DETAIL - ORN 3.1.15 (958)

Nearside start of games lane, central lane for any vehicle and offside lane for games vehicles, bus, m/c, cycle and taxi repeater

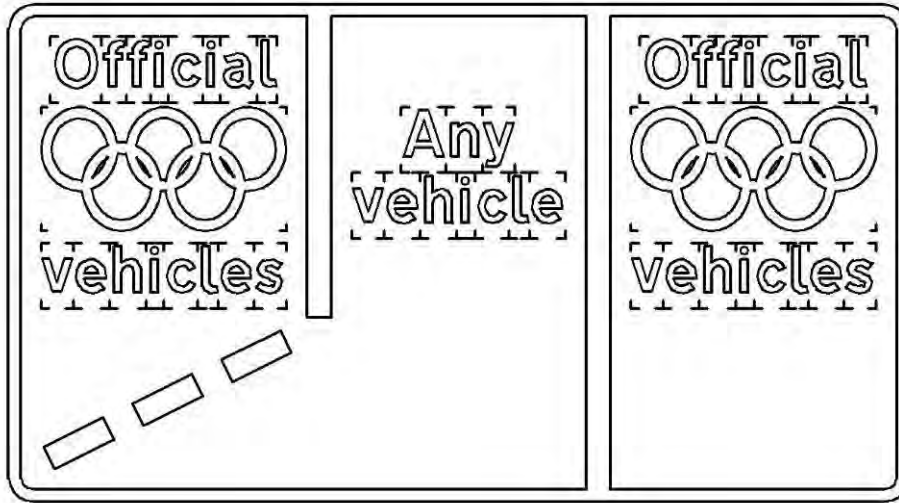
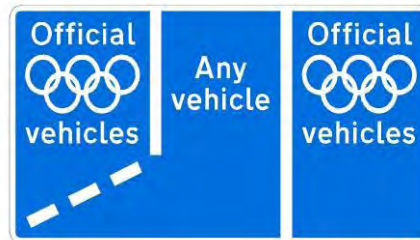


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1370	1640
Height of sign	755	905
Sign area (sq. m)	1.03	1.49



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
1 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1400 x 700

SIGN FACE DETAIL - ORN 3.1.16 (958)

Nearside start of games lane, central lane for any vehicle and offside games lane repeater

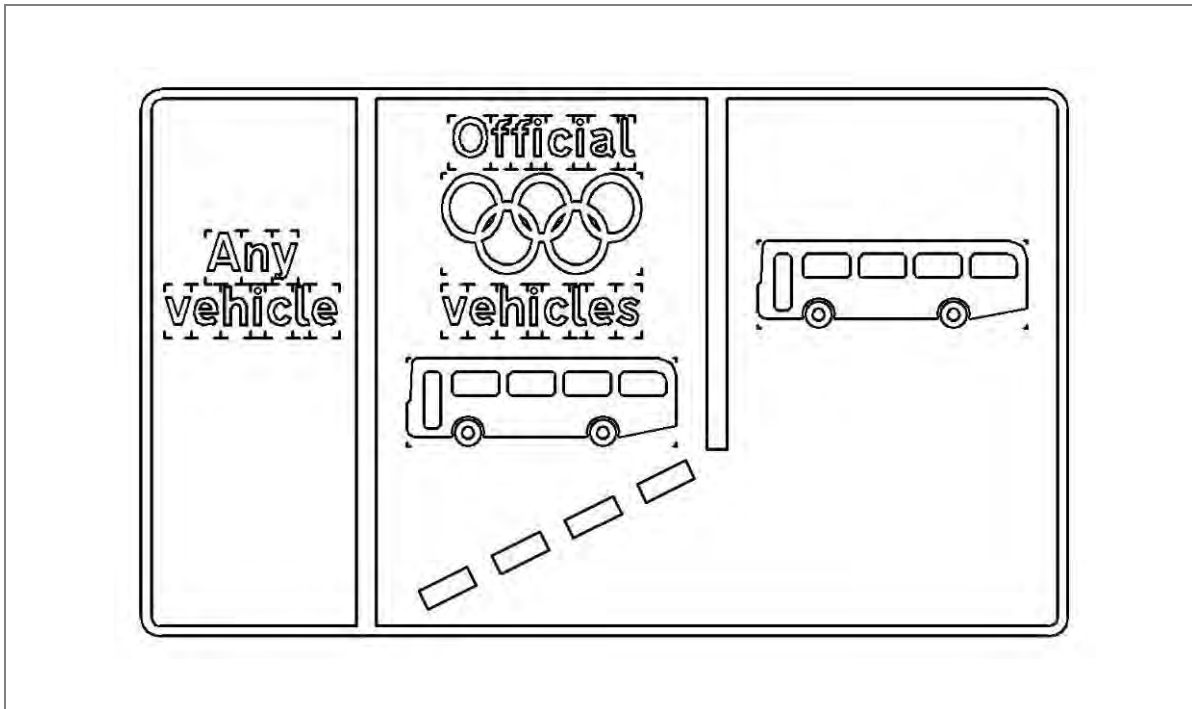
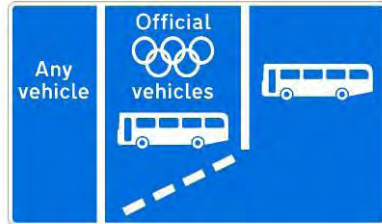


TABLE OF SIGN SIZES (mm)		
x-height of text	50	60
Width of sign	1715	2060
Height of sign	1015	1220
Sign area (sq. m)	1.74	2.51



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.5 x 4.0 CHS	2 x 800 x 1300 x 600
1 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1400 x 700

SIGN FACE DETAIL - ORN 3.1.17 (958)

Nearside lane for any vehicle repeater, central start of games vehicles and bus lane and offside bus only lane

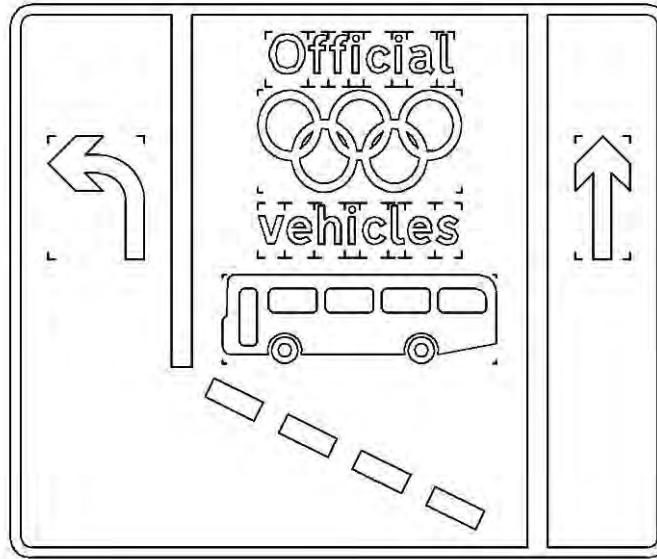
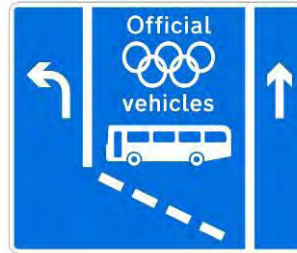


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1200	1440
Height of sign	1010	1210
Sign area (sq. m)	1.21	1.75



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.
3. Direction of the arrows may be varied.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text. Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700
1 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1300 x 1300 x 700

SIGN FACE DETAIL - ORN 3.1.18 (958)

Start of central games and bus lane

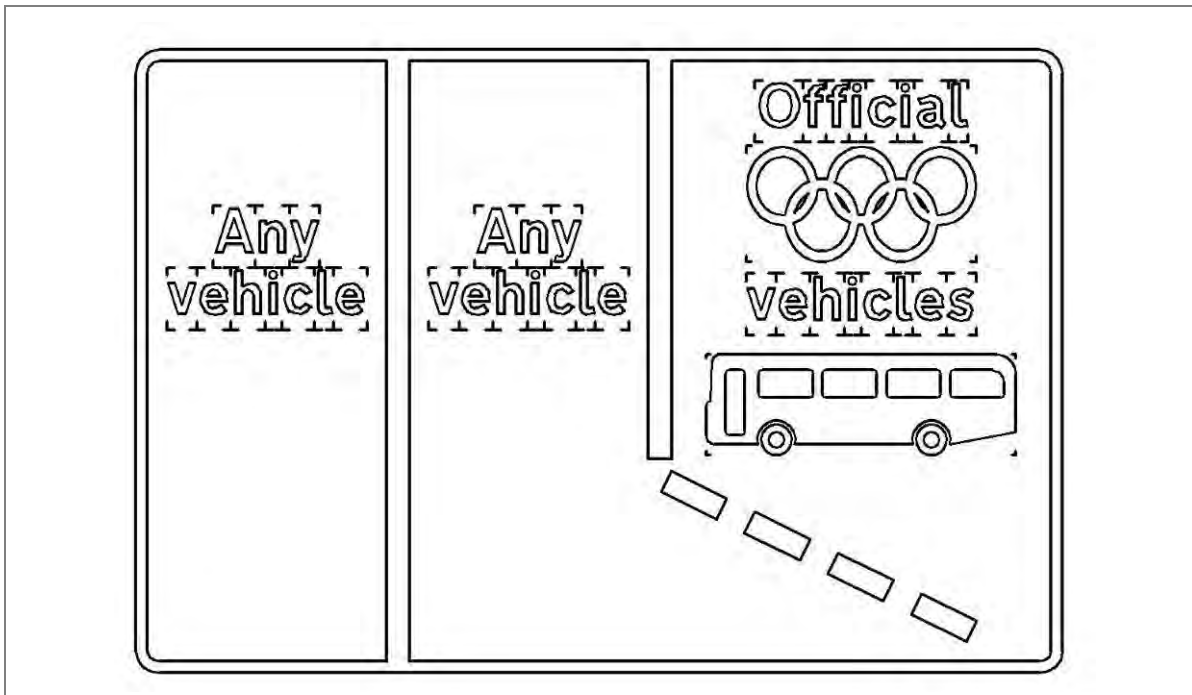


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1485	1795
Height of sign	1010	1210
Sign area (sq. m)	1.51	2.17



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x700
1 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1400 x 600

SIGN FACE DETAIL - ORN 3.1.19 (958)

Nearside and central lanes for any vehicles repeater and offside start of games and bus lane

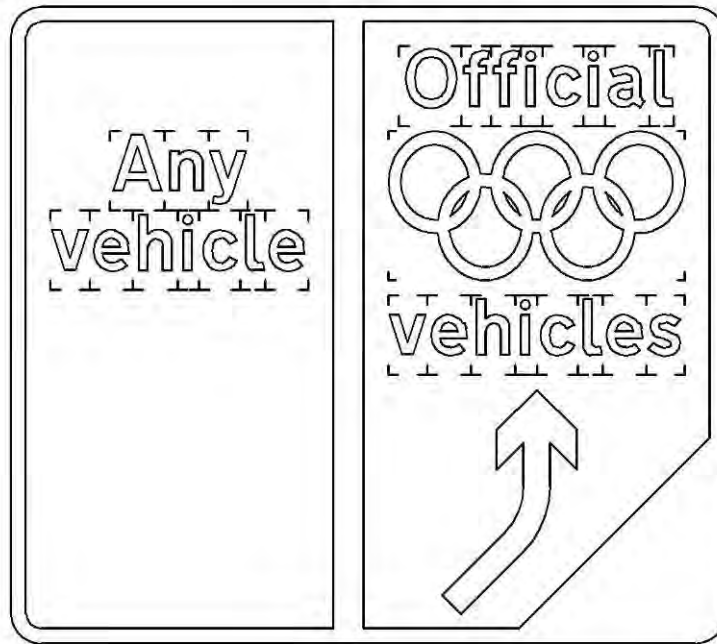
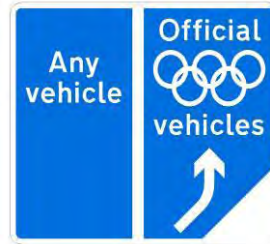


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	895	1075
Height of sign	800	960
Sign area (sq. m)	0.72	1.03



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x600
1 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700

SIGN FACE DETAIL - ORN 3.1.20 (958)

Advance warning to start of an offside games lane

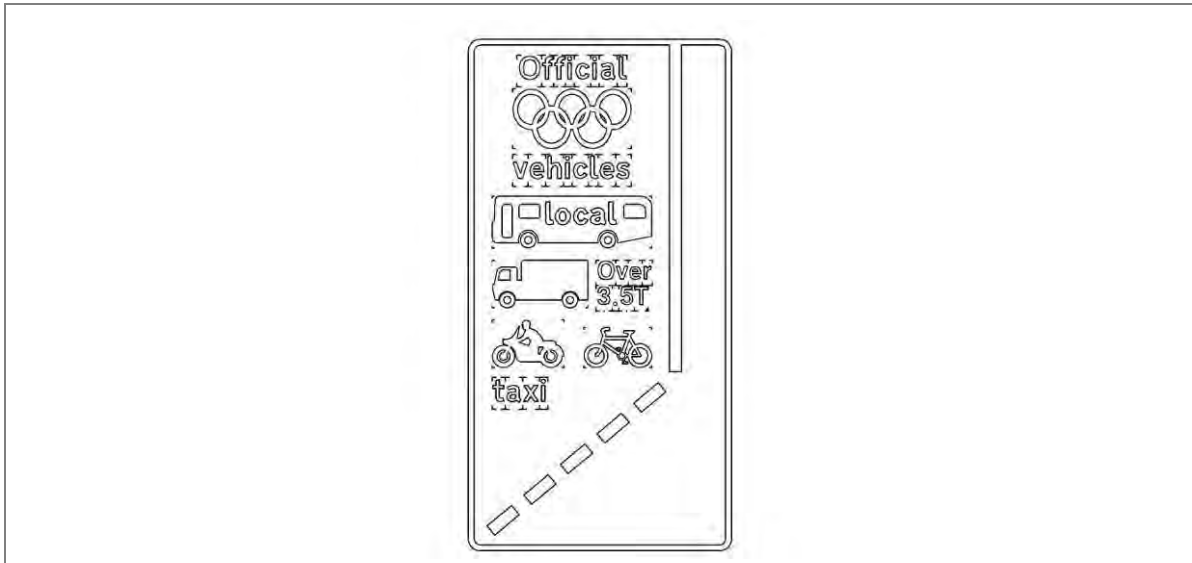


TABLE OF SIGN SIZES (mm)		
x-height of text	50	60
Width of sign	825	990
Height of sign	1605	1925
Sign area (sq. m)	1.33	1.91



NOTES:

1. Symbol details are given in the DfT working drawings S25, S32, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE..
3. The legend ‚taxi‘, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600
1 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1300 x 1300 x 700

SIGN FACE DETAIL - ORN 3.1.22 (958)

Start of nearside games vehicles, local bus, HGV's over 3.5T, m/c, cycle and taxi lane

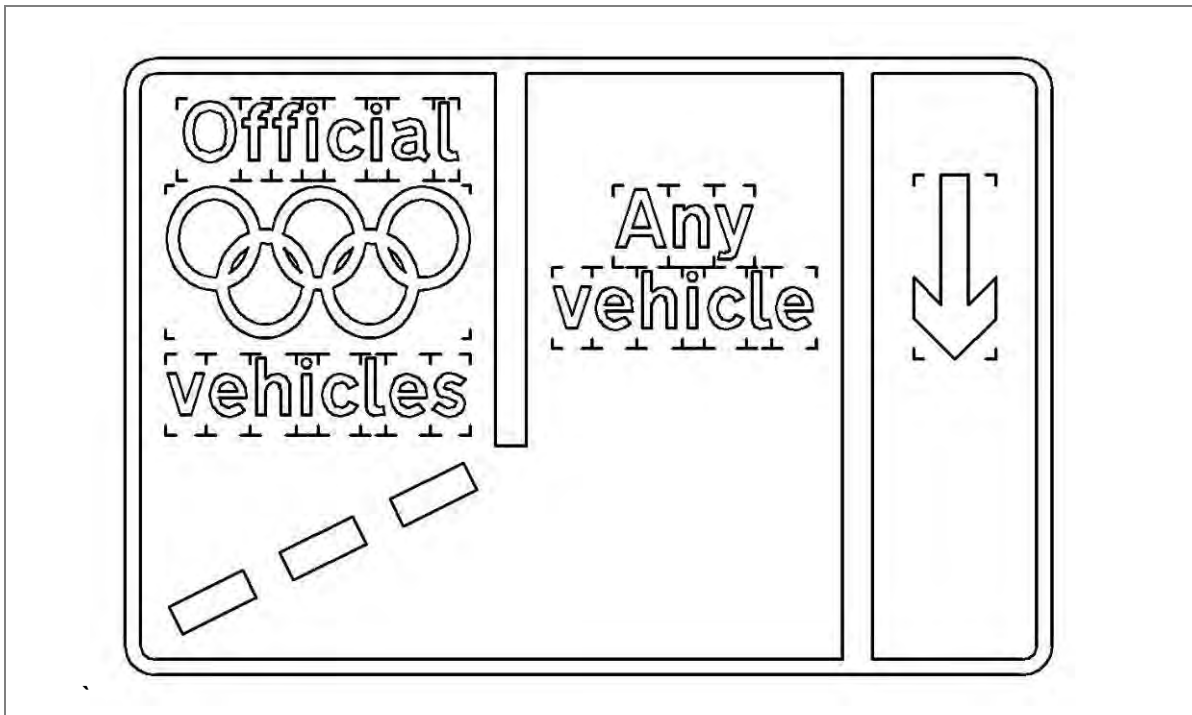
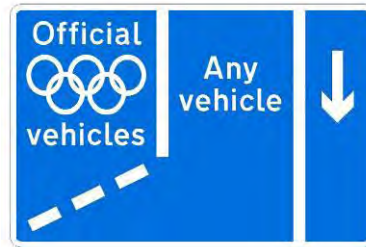


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1135	1360
Height of sign	755	905
Sign area (sq. m)	0.86	1.23



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 4.0 CHS	1 x 1100 x 1100 x 600
1 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600

SIGN FACE DETAIL - ORN 3.1.23 (958)

Start of nearside games lane, central lane for any vehicle and offside contra-flow lane

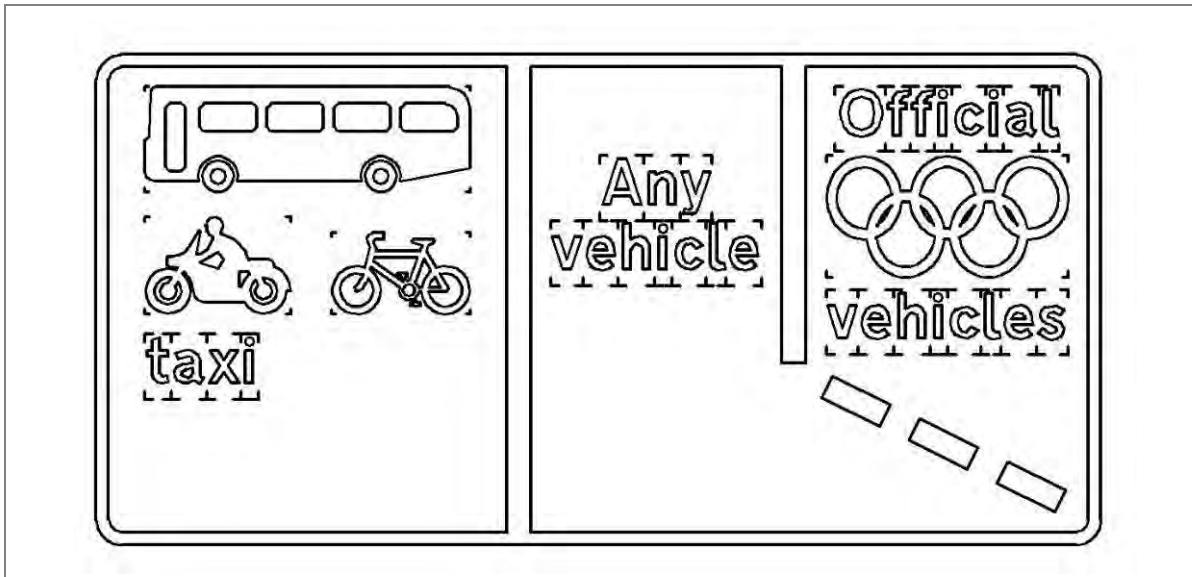


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1545	1855
Height of sign	755	905
Sign area (sq. m)	1.17	1.68



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend „taxi”, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 88.9 x 3.2 CHS	2 x 700 x 1100 x 600
2 – 60 mm x – height	2 x 114.3 x 4.0 CHS	2 x 900 x 1400 x 500

SIGN FACE DETAIL - ORN 3.1.24 (958)

Nearside bus, m/c, cycle and taxi lane repeater, central lane for any vehicle and start of offside games lane

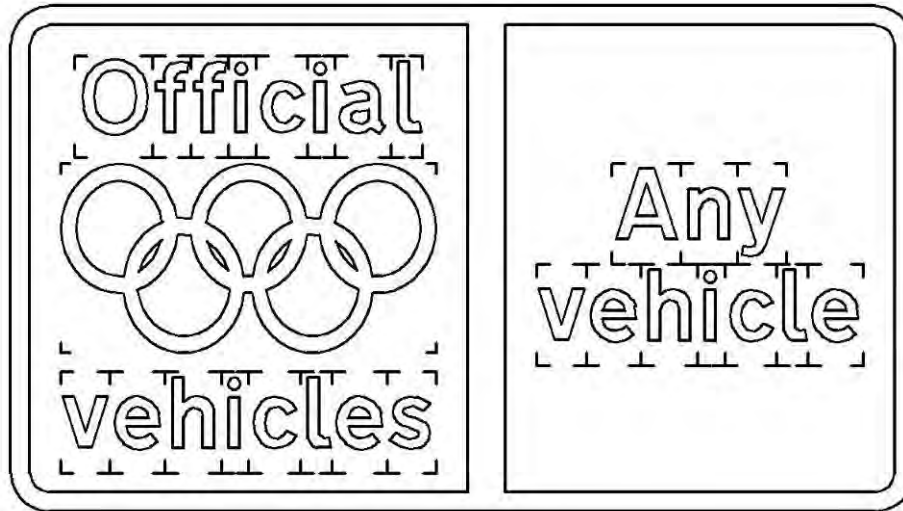


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	895	1125
Height of sign	500	600
Sign area (sq. m)	0.45	0.67



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 600
2 – 60 mm x – height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.2.1 (959)

Nearside games lane repeater

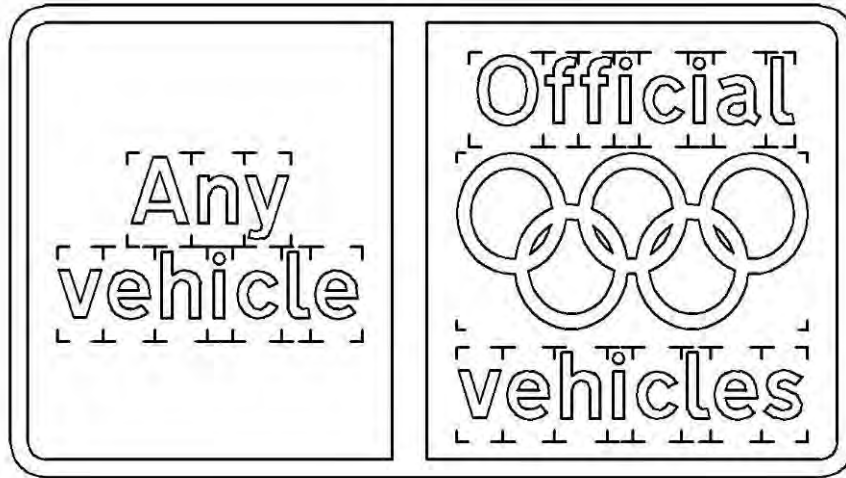


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	895	1125
Height of sign	500	600
Sign area (sq. m)	0.45	0.67



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 600
2 – 60 mm x – height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.2.2 (959)

Offside games lane repeater

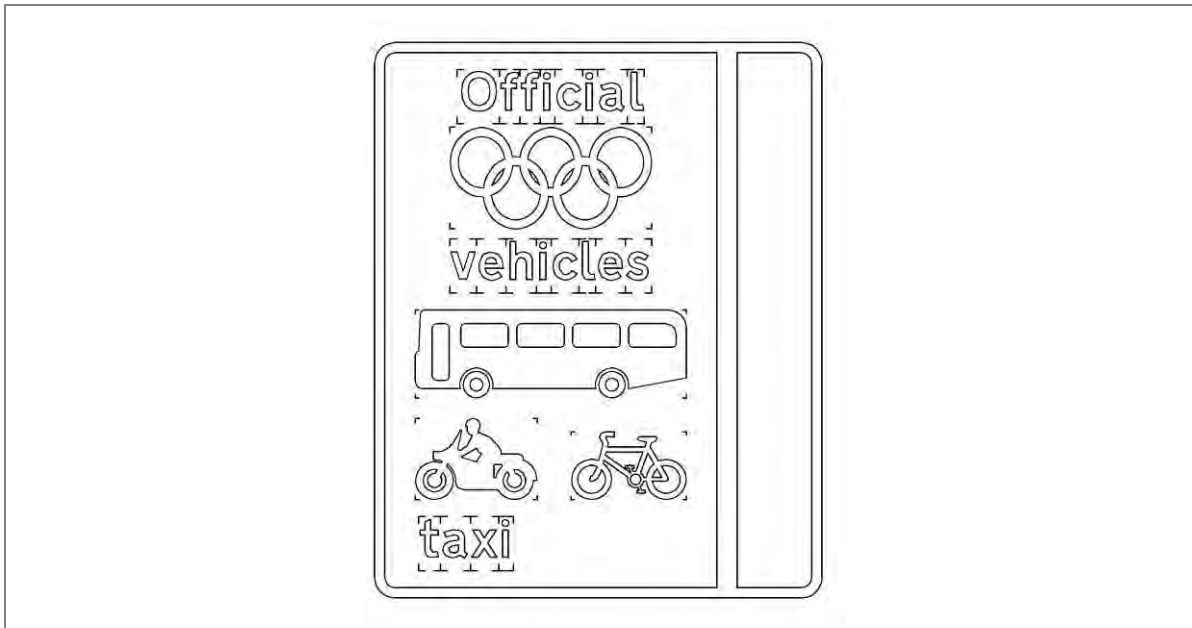


TABLE OF SIGN SIZES (mm)		
x-height of text	50.0	60.0
Width of sign	825	990
Height of sign	1025	1230
Sign area (sq. m)	0.85	1.22



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend ‚taxi‘, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 4.0 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.3 (959)

Nearside games vehicles, bus, m/c, cycle and taxi lane repeater

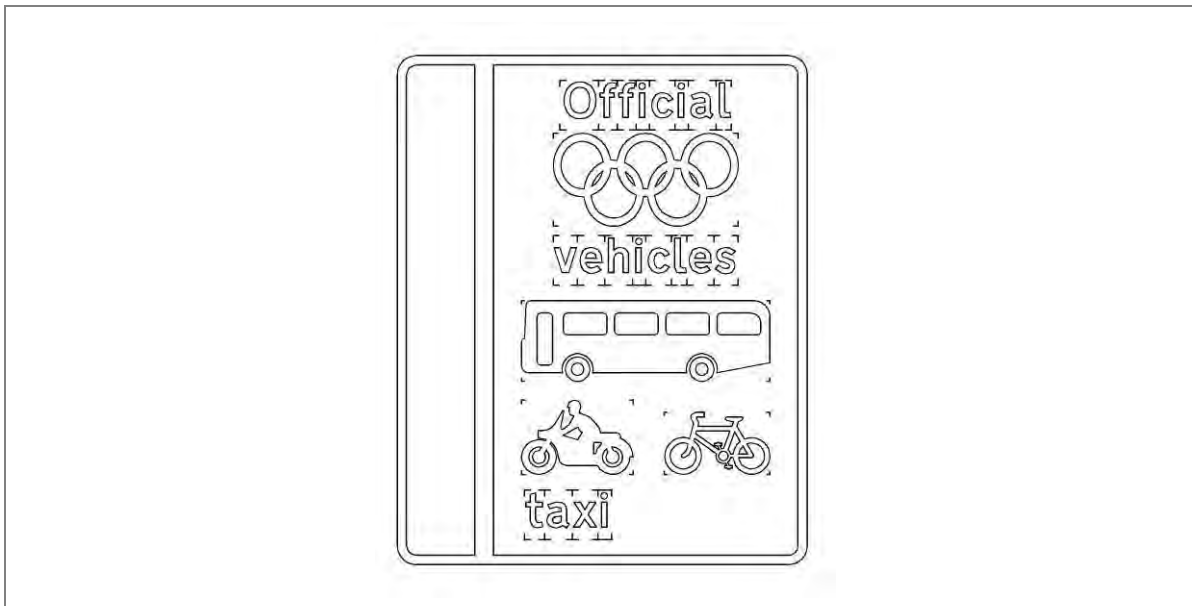


TABLE OF SIGN SIZES (mm)			
x-height of text	50.0	60.0	
Width of sign	825	990	
Height of sign	1025	1230	
Sign area (sq. m)	0.85	1.22	

NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend „taxi”, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.4 (959)

Offside side games vehicles, bus, m/c, cycle and taxi lane repeater

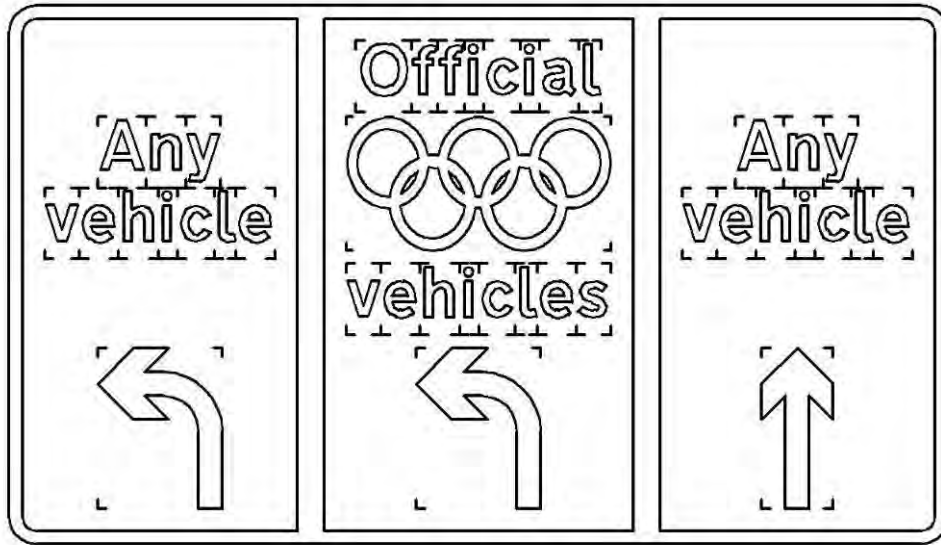
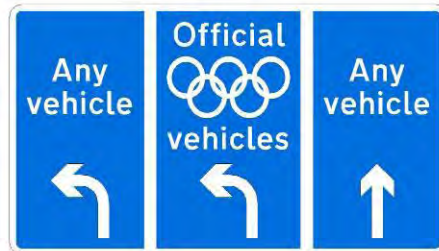


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1320	1585
Height of sign	755	910
Sign area (sq. m)	1.00	1.44



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.
3. Lane indication arrows may be amended.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700
2 – 60 mm x – height	2 x 114.3 x 4.0 CHS	2 x 800 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.5 (959)

Central games lane with nearside and offside lanes for any vehicle repeater, with left and ahead arrows for any vehicles repeater.

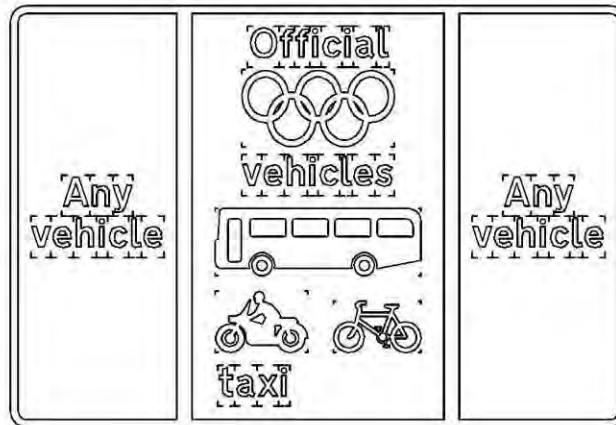
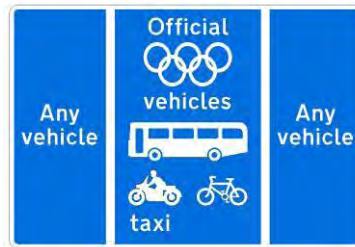


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1495	1795
Height of sign	1025	1230
Sign area (sq. m)	1.53	2.21



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE.
3. The legend ‚taxi‘, motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600
2 – 60 mm x – height	2 x 114.3 x 4.0 CHS	2 x 700 x 1300 x 600

SIGN FACE DETAIL - ORN 3.2.6 (959)

Central games vehicles, bus, m/c, cycle and taxi lane with nearside and offside lanes for any vehicle repeater

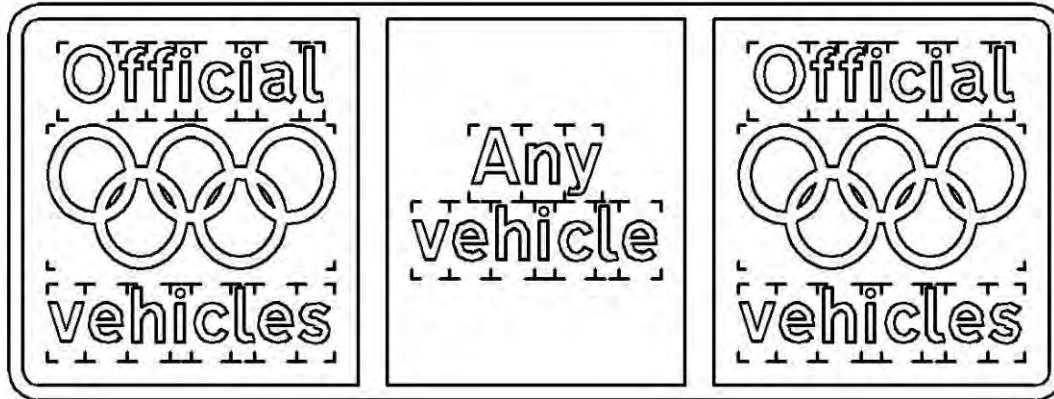


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1370	1640
Height of sign	515	615
Sign area (sq. m)	0.70	1.01



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600
2 – 60 mm x – height	2 x 88.9 x 3.2 CHS	2 x 600 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.7 (959)

Nearside and offside games lane with central lane for any vehicle repeater

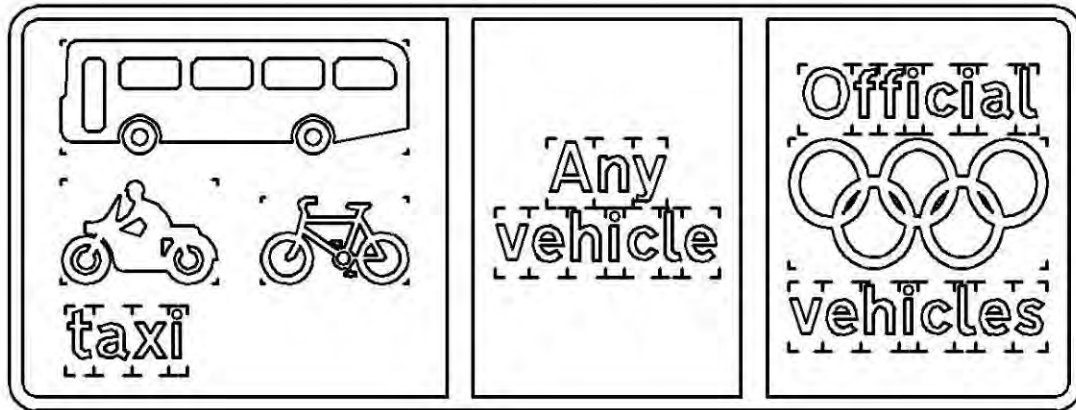


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1545	1855
Height of sign	580	700
Sign area (sq. m)	0.90	1.30



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 600 x 1100 x 500
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1200 x 500

SIGN FACE DETAIL - ORN 3.2.8 (959)

Nearside bus, m/c, cycle and taxi lane, central lane for any vehicle lane and offside games lane repeater.

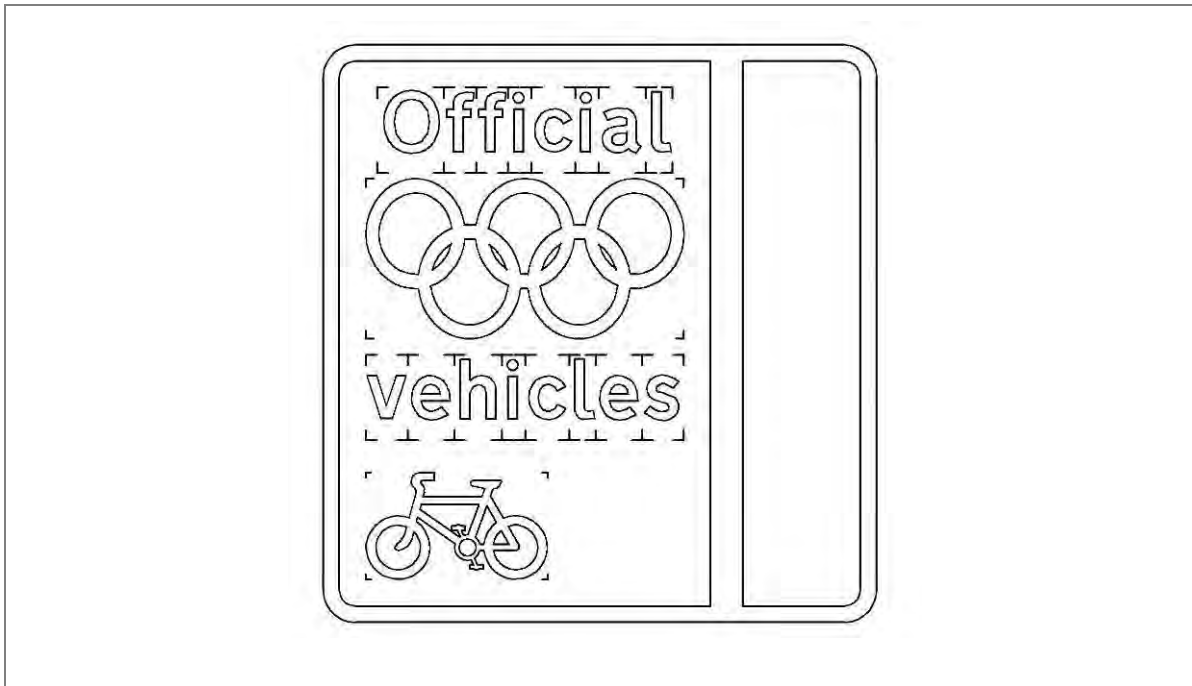


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	645	775
Height of sign	675	810
Sign area (sq. m)	0.44	0.63



NOTES:

1. Symbol details are given in the DfT working drawings S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 500
2 – 60 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.2.9 (959)

Nearside games and cycle lane repeater

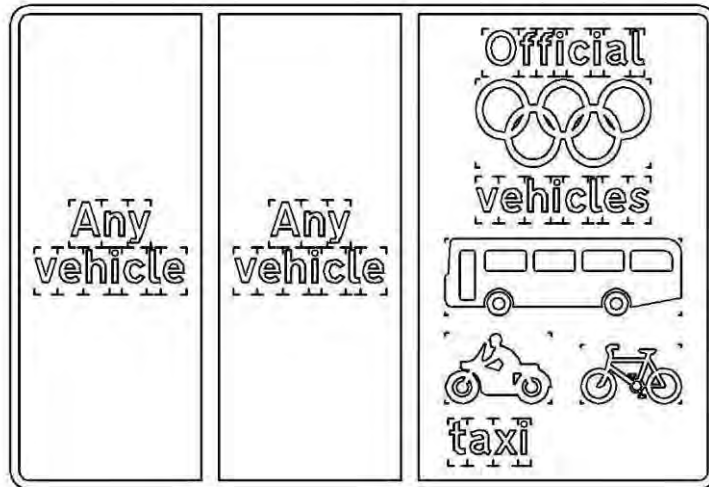
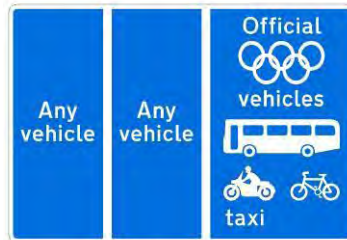


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1495	1795
Height of sign	1025	1230
Sign area (sq. m)	1.53	2.21



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE.
2. The legend ,taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
3. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1200 x 1200 x 600
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1300 x 700

SIGN FACE DETAIL - ORN 3.2.10 (959)

Nearside and central lane for any vehicle and offside games lane repeater

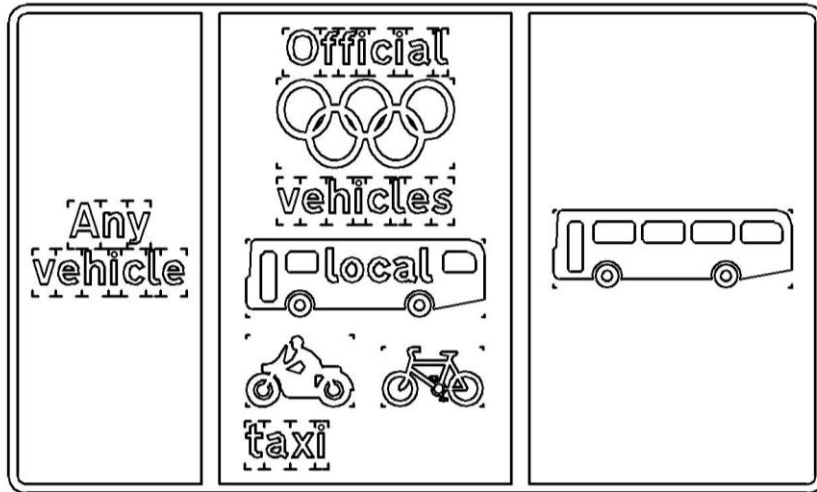


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1710	2055
Height of sign	1025	1230
Sign area (sq. m)	1.75	2.53



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1200 x 600
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 700 x 1400 x 600

SIGN FACE DETAIL - ORN 3.2.11 (959)

Nearside lane for any vehicle, central games, local bus, m/c, cycle and taxi lane and offside bus only lane repeater

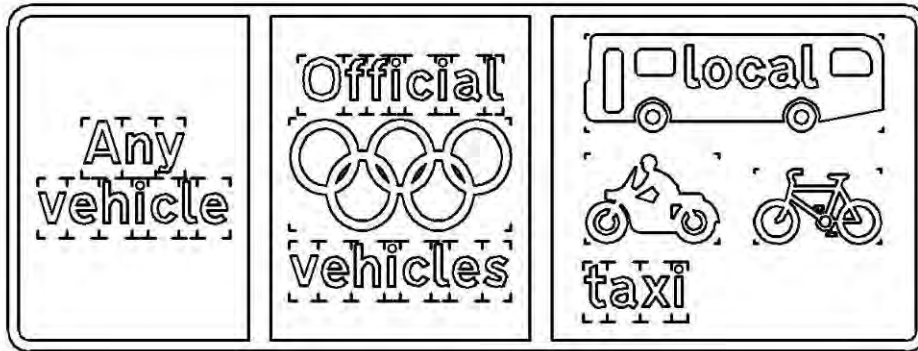


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	580	695
Sign area (sq. m)	0.9	1.29



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 88.9 x 3.2 CHS	2 x 500 x 1000 x 600
2 – 60 mm x - height	2 x 88.9 x 3.2 CHS	2 x 700 x 1000 x 600

SIGN FACE DETAIL - ORN 3.2.12 (959)

Nearside lane for any vehicle, central games lane and offside local bus, m/c, cycle and taxi lane repeater

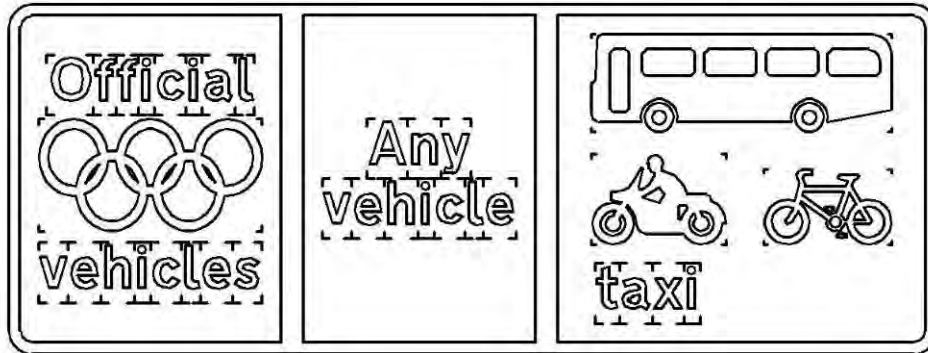


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	580	700
Sign area (sq. m)	0.90	1.29



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 88.9 x 3.2 CHS	2 x 600 x 1200 x 600
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.13 (959)

Nearside games lane, central lane for any vehicle and offside bus, m/c, cycle and taxi lane repeater

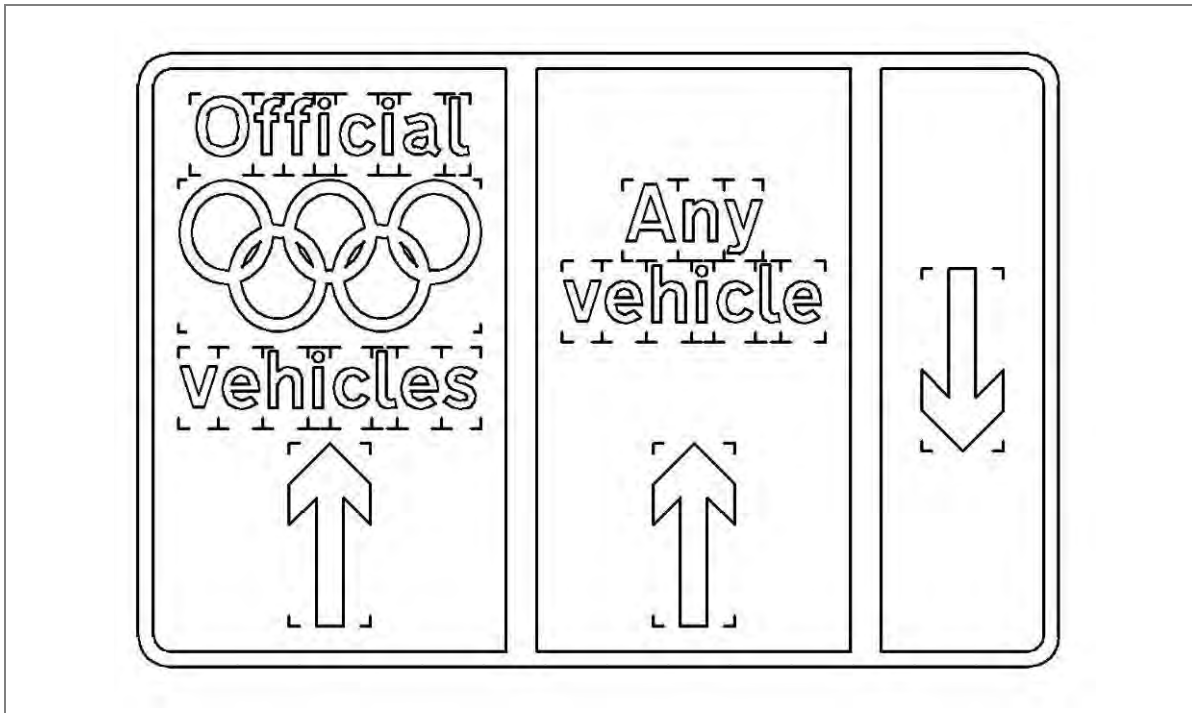
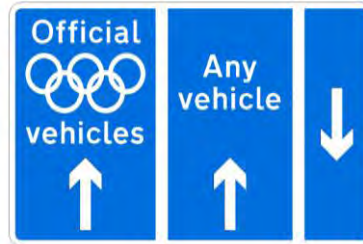


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1135	1360
Height of sign	755	910
Sign area (sq. m)	0.86	1.23



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.
3. Direction of the arrows may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm and with an ORN 3.4 (961) panel with a single line of text. Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1100 x 600
2 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 800

SIGN FACE DETAIL - ORN 3.2.14 (959)
Nearside games lane, central lane for any vehicle and

offside contra-flow lane repeater

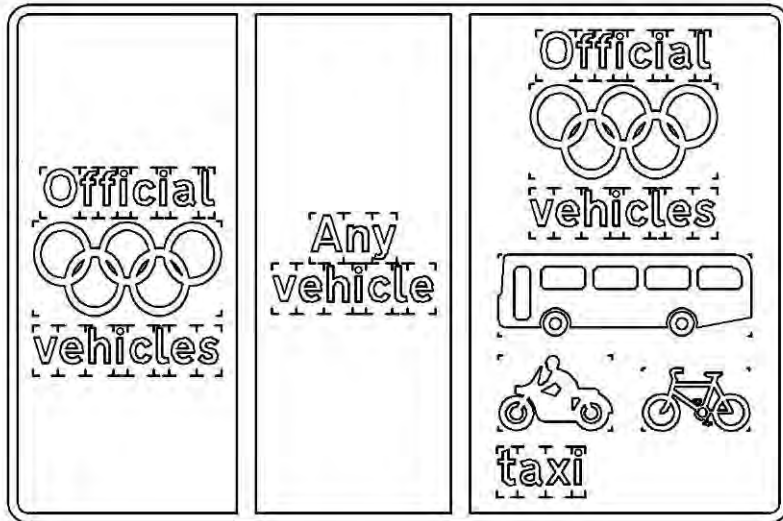


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	1025	1230
Sign area (sq. m)	1.58	2.28



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend 'taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1300 x 600
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1500 x 600

SIGN FACE DETAIL - ORN 3.2.16 (959)

Nearside games lane, central lane for any vehicle and offside games vehicles, bus, m/c, cycle and taxi lane repeater

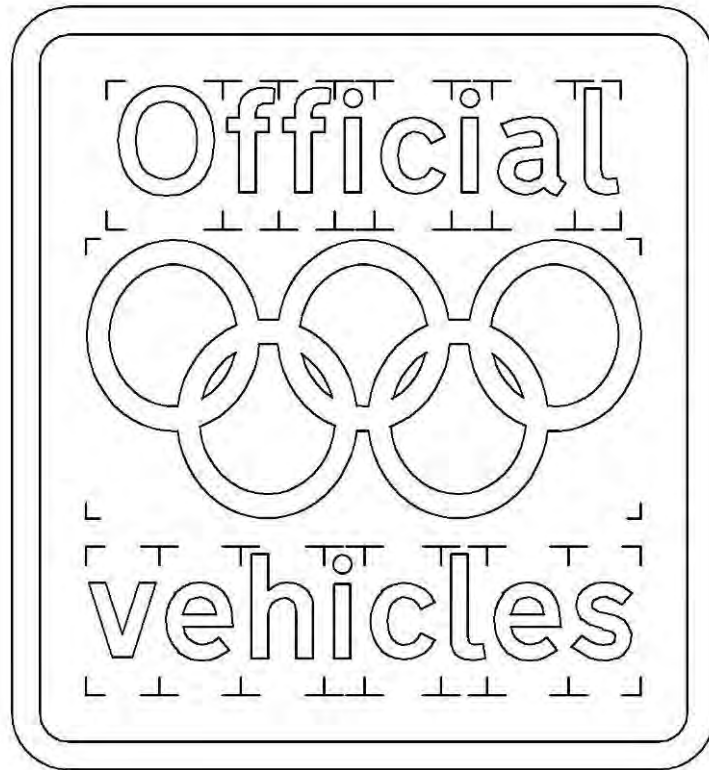


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	485	580
Height of sign	900	1080
Sign area (sq. m)	0.44	0.62



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE

TYPICAL POST AND FOUNDATION DETAILS

This sign should be gantry mounted only.

SIGN FACE DETAIL - ORN 3.2.17 (959)

Gantry mounted games lane sign

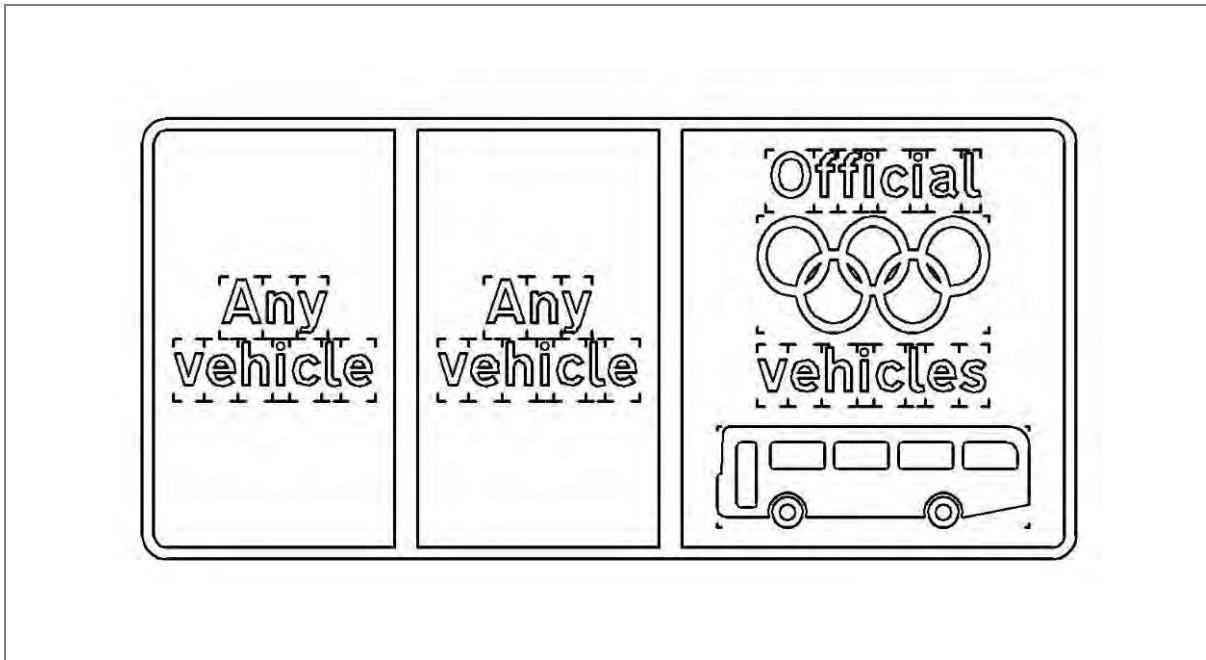


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1495	1795
Height of sign	705	845
Sign area (sq. m)	1.06	1.52



NOTES:

1. Symbol details are given in the DfT working drawings S25.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1200 x 600

SIGN FACE DETAIL - ORN 3.2.18 (959)

Nearside and central lanes for any vehicle and offside games vehicles and bus lane repeater

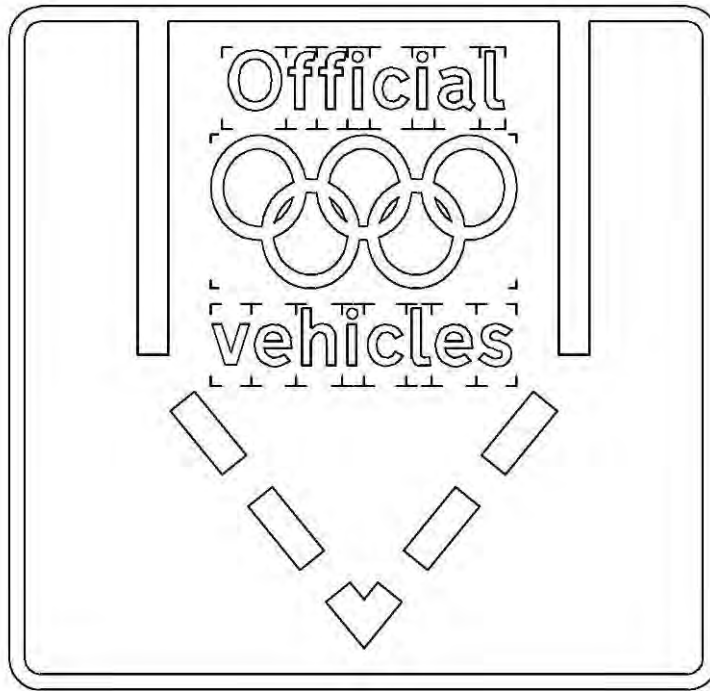


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	865	1035
Height of sign	830	1000
Sign area (sq. m)	0.72	1.03



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600
2 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 700

SIGN FACE DETAIL - ORN 3.2.19 (958)

Start of Central games lane

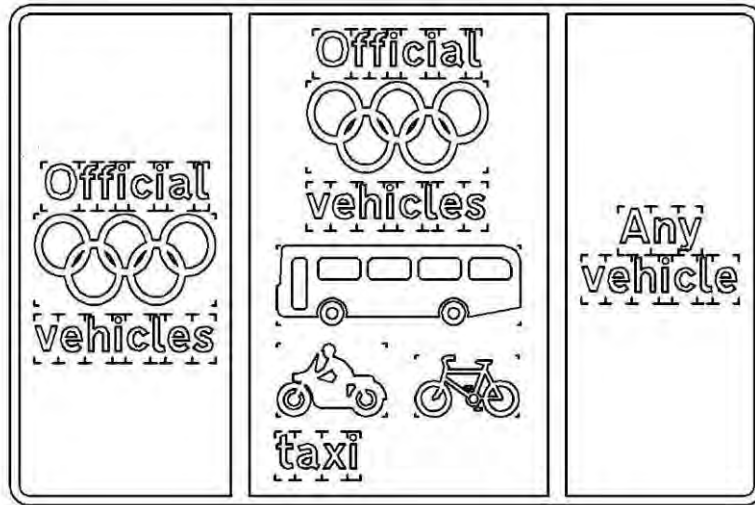
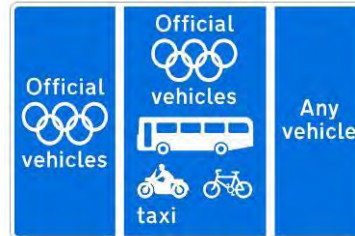


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1545	1855
Height of sign	1025	1230
Sign area (sq. m)	1.58	2.28



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend ,taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text. Alternative mounting details are provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1300 x 500
2 – 60 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1500 x 600

SIGN FACE DETAIL - ORN 3.2.20 (959)

Nearside games lane, central games vehicles, bus, m/c, cycle and taxi lane and offside lane for any vehicle repeater

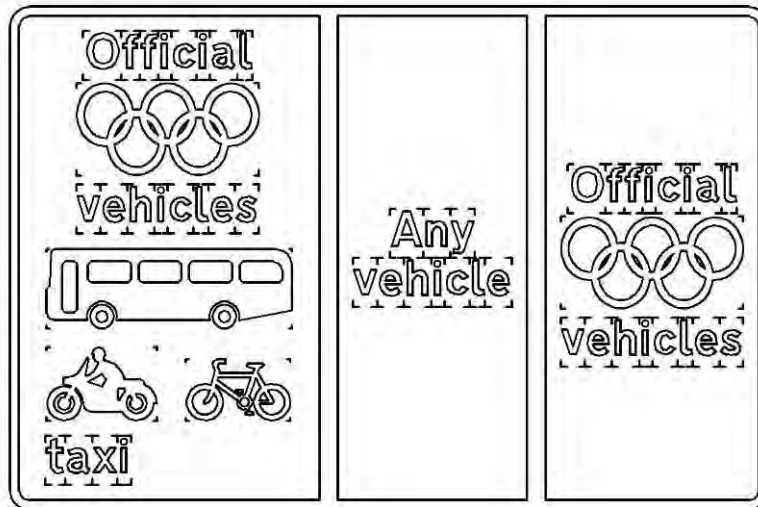
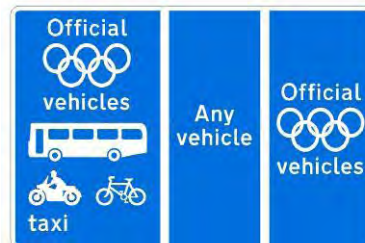


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1545	1855
Height of sign	1025	1230
Sign area (sq. m)	1.58	2.28



NOTES:

1. Symbol details are given in the DfT working drawings S25, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The legend ,taxi', motorcycle symbol S23 or cycle symbol S24 may be omitted and the bus symbol varied to the one shown on the DfT Drawing S25 Sheet 1.
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	2 x 114.3 x 4.0 CHS	2 x 800 x 1300 x 600
2 – 60 mm x – height	2 x 114.3 x 4.0 CHS	2 x 800 x 1500 x 600

SIGN FACE DETAIL - ORN 3.2.21 (959)

Nearside games vehicles, bus, m/c, cycle and taxi lane, central lane for any vehicle and offside games lane repeater.

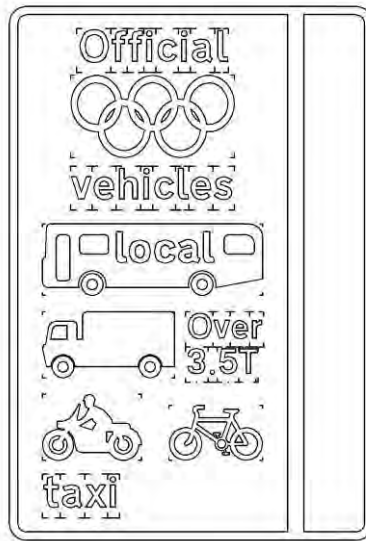


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	825	990
Height of sign	1210	1455
Sign area (sq. m)	1.00	1.44



NOTES:

1. Symbol details are given in the DfT working drawings S25, S32, S23 and S24.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 700
2 – 60 mm x - height	1 x 114.3 x 4.0 CHS	1 x 1100 x 1100 x 800

SIGN FACE DETAIL ORN 3.2.22 (959)

Nearside games vehicles, local bus, HGV's over 3.5T, m/c, cycle and taxi lane repeater

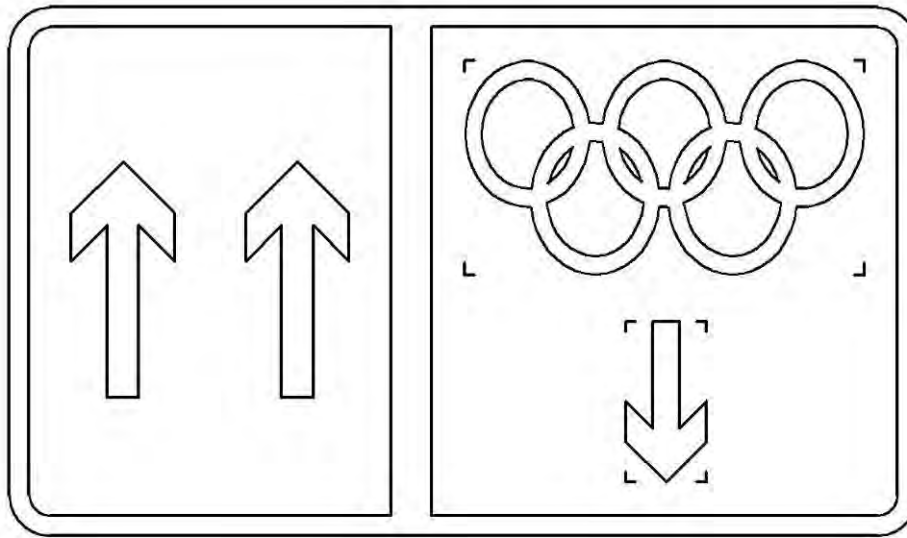
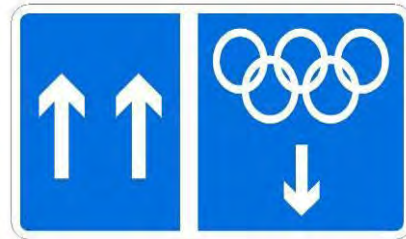


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1000	1200
Height of sign	470	565
Sign area (sq. m)	0.47	0.68



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. A time panel may be added in the same colours, see Sign detail ORN 3.4.
3. Lane indication arrows may be amended or omitted

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50mm x-height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 600
2 – 60mm x-height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.3.1 (960)

Contra flow games lane

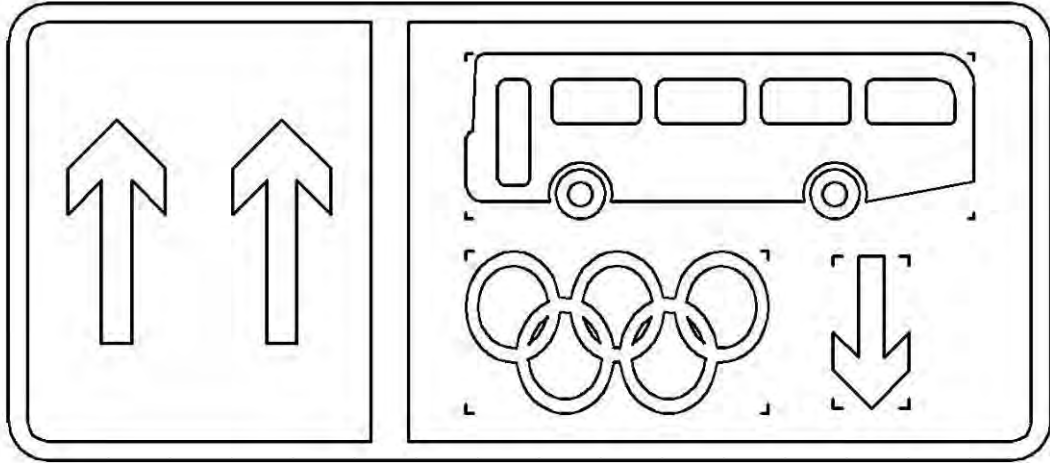
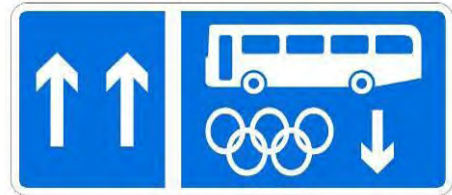


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	1000	1200
Height of sign	465	565
Sign area (sq. m)	0.46	0.68



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
2. Lane indication arrows may be amended or omitted
4. A time panel may be added in the same colours, see Sign detail ORN 3.4.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm with an ORN 3.4 (961) panel with a single line of text.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50mm x-height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 600
2 – 60mm x-height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 600

SIGN FACE DETAIL - ORN 3.3.2 (960)

Contra flow bus and games lane

TABLE OF SIGN SIZES (mm)		
x-height of text	50-75	
Width of sign	varies	
Height of sign	varies	
Sign area (sq. m)	varies	

NOTES:

1. May be used in association with games signs based on diagrams 958 and 959
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. Days of the week and times of the day may be varied

SIGN FACE DETAIL - ORN 3.4 (961)

Times of operation for games lanes to diagrams 958 and 959

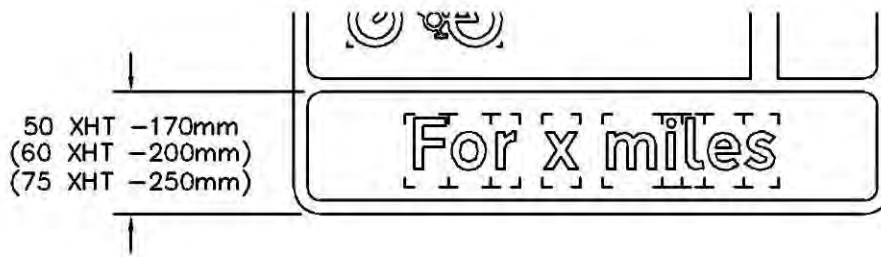


TABLE OF SIGN SIZES (mm)

x-height of text	50-75	
Width of sign	varies	
Height of sign	varies	
Sign area (sq. m)	varies	



NOTES:

1. May be used in association with games signs based on diagrams 958.
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. The letter X will be substituted with the appropriate number.

SIGN FACE DETAIL - ORN 3.4.1 (961)

Distance over which games lanes extend

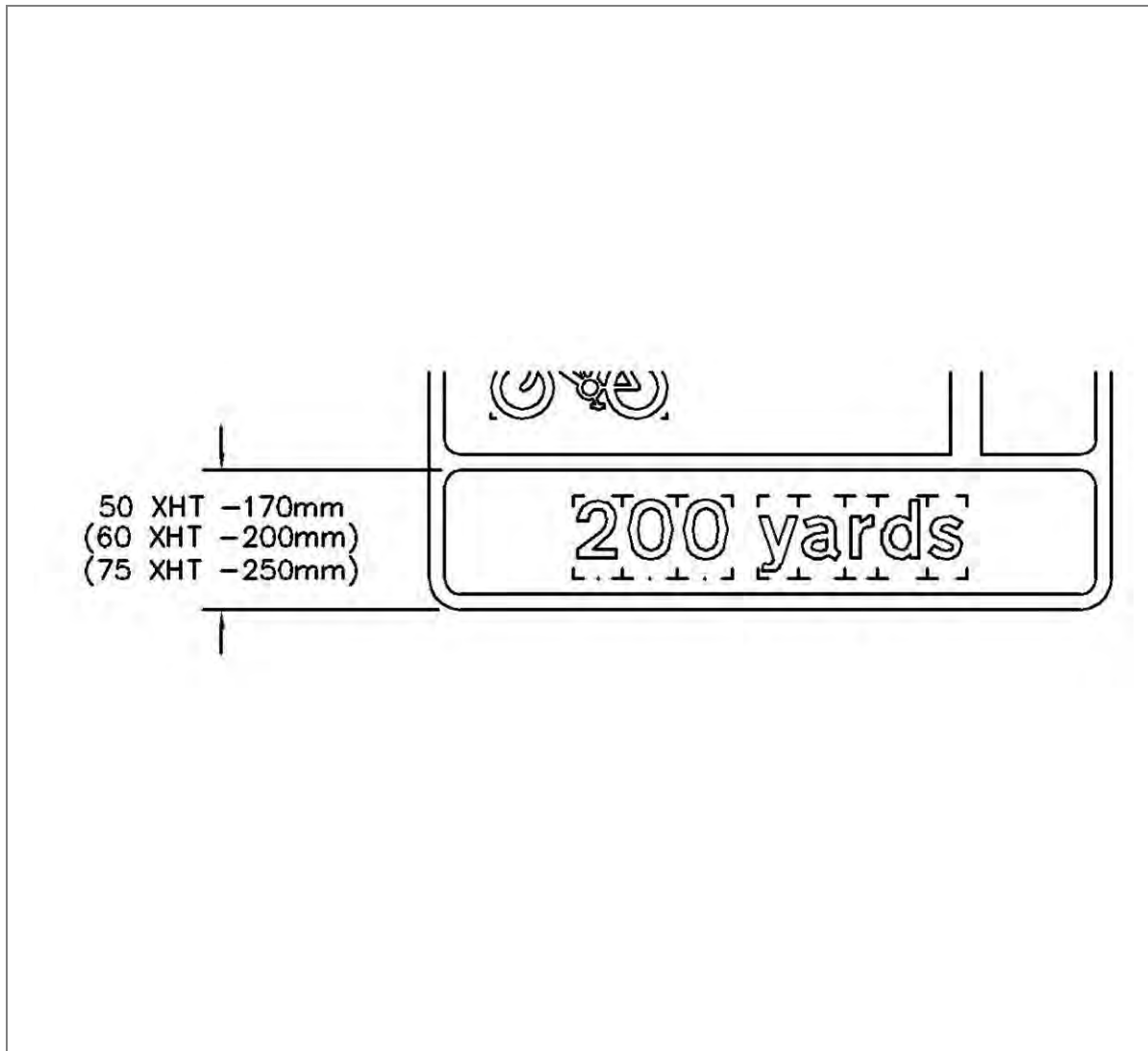


TABLE OF SIGN SIZES (mm)		
x-height of text	50-75	
Width of sign	varies	
Height of sign	varies	
Sign area (sq. m)	varies	



NOTES:

1. May be used in association with games signs based on diagrams 958 and 959
2. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE
3. Distance may be varied

SIGN FACE DETAIL - ORN 3.4.2 (961)

Distance to start of games lane

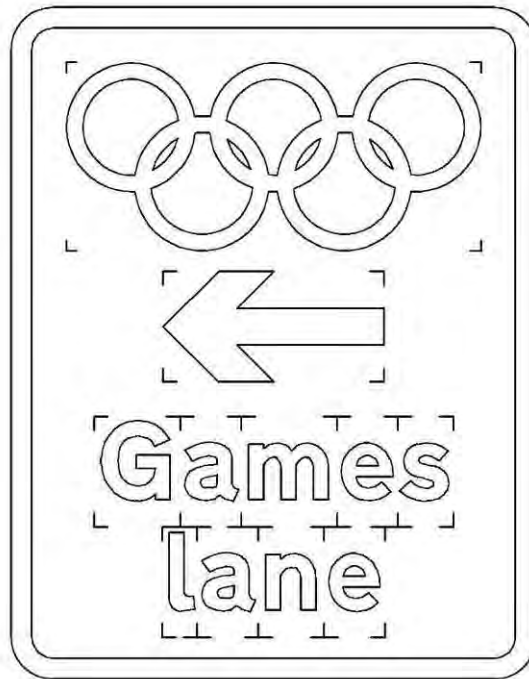


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	475	570
Height of sign	620	745
Sign area (sq. m)	0.29	0.42



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK.
2. Direction of arrow amended or a second arrow added.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post at a mounting height of 2100mm, alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50mm x-height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 400
2 – 60mm x-height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 500

SIGN FACE DETAIL - ORN 3.5.1 (962)

Games lane ahead in direction of the arrow

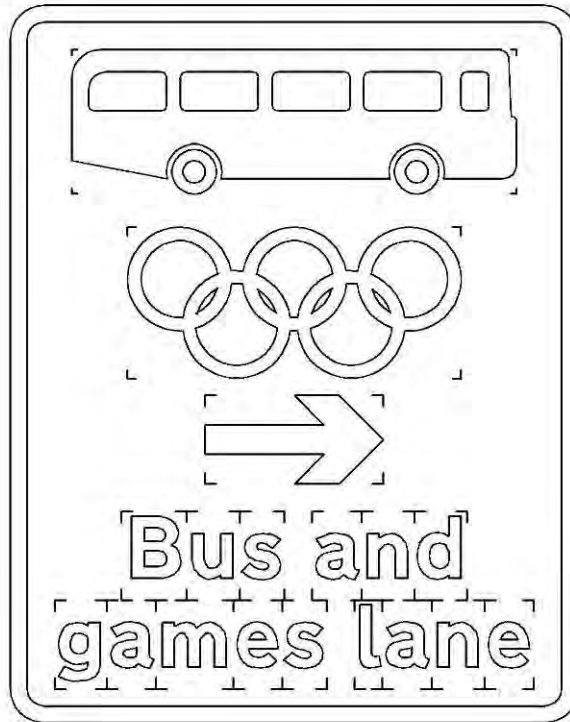


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	640	765
Height of sign	820	985
Sign area (sq. m)	0.52	0.75



NOTES

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. Direction of arrow amended or a second arrow added.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post at a mounting height of 2100mm, alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50mm x-height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 500
2 – 60mm x-height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 700

SIGN FACE DETAIL - ORN 3.5.2 (962)

Bus and games lane ahead in direction of the arrow

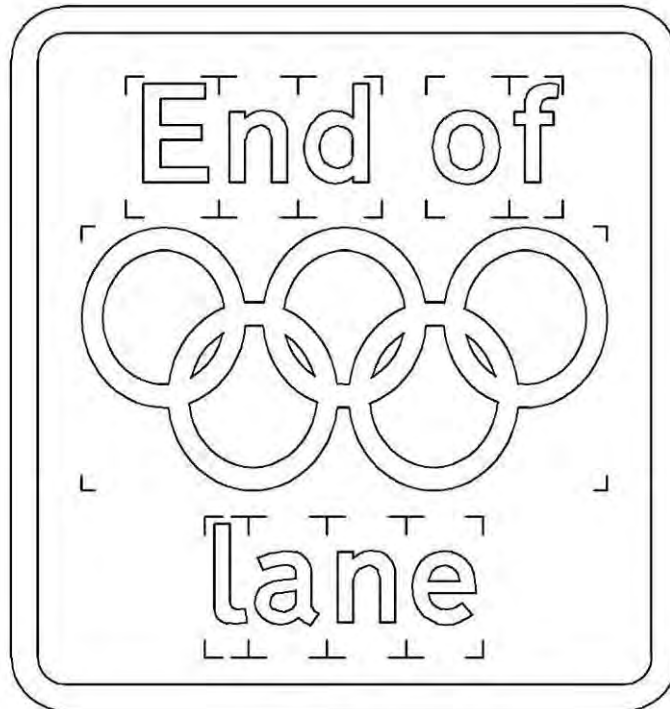


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	475	565
Height of sign	500	600
Sign area (sq. m)	0.24	0.35



NOTES:

1. COLOURS : Background – BLUE, Legend, Symbols and Border – WHITE

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post at a mounting height of 2100mm, alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50mm x-height	1 x 76.1 x 3.2 CHS	1 x 700 x 700 x 500
2 – 60mm x-height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 400

SIGN FACE DETAIL - ORN 3.6 (964)

End of games lane

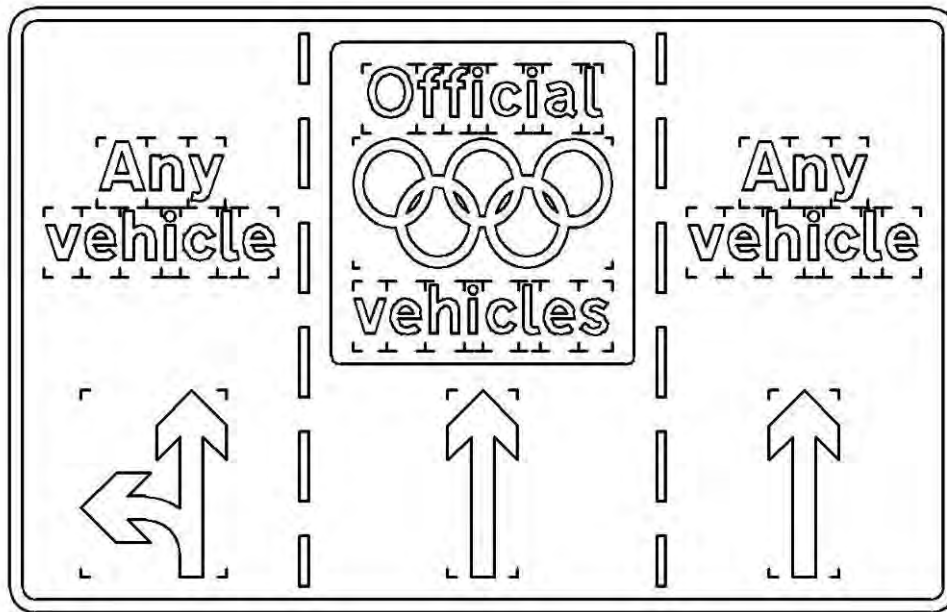
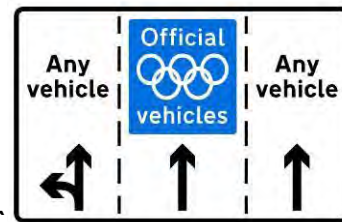


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1360	1630
Height of sign	860	1035
Sign area (sq. m)	1.17	1.69



NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. Panel Background- BLUE and Legend WHITE
3. Lane indication arrows may be varied to suit the road layout.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details not are provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	2 x 114.3 x 5.0 CHS	2 x 700 x 1200 x 500

SIGN FACE DETAIL - ORN 3.7 (2114)

Central games lane with nearside and offside lanes for any vehicle with lane indication

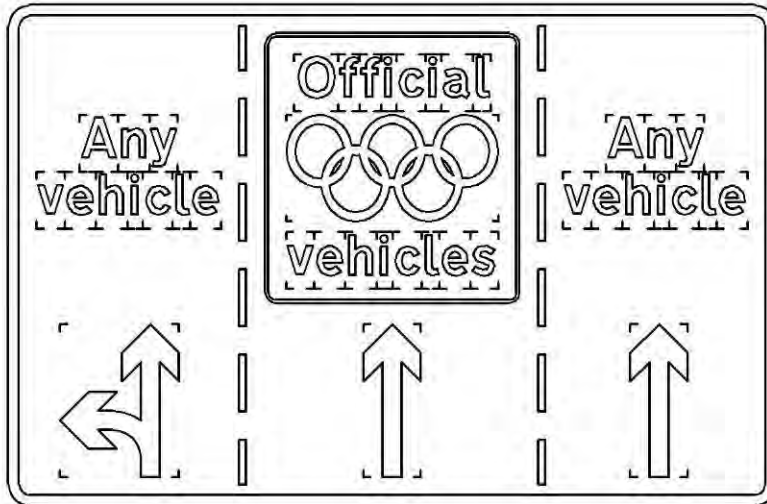
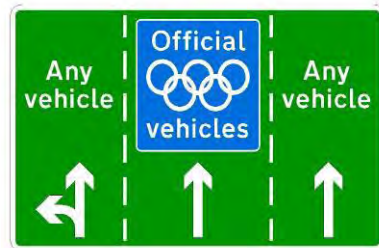


TABLE OF SIGN SIZES (mm)

x-height of text	50.0	60.0
Width of sign	1345	1615
Height of sign	870	1040
Sign area (sq. m)	1.17	1.68



NOTES

1. COLOURS : Background – GREEN, Legend, Symbols and Border – WHITE
2. Panel Background- BLUE, Border and Legend WHITE
3. Lane indication arrows may be varied to suit the road layout.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1100 x 1100 x 600
2 – 60 mm x – height	2 x 114.3 x 5.0 CHS	2 x 700 x 1200 x 500

SIGN FACE DETAIL - ORN 3.8 (2019)

Central games lane with nearside and offside lanes for any vehicle with lane indication



TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	825	990
Height of sign	450	540
Sign area (sq. m)	0.37	0.53



NOTES:

1. COLOURS : Background – YELLOW, Legend and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 500
2 – 60 mm x - height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 700

SIGN FACE DETAIL - ORN 3.11 (959)

Bus lane suspended repeater sign

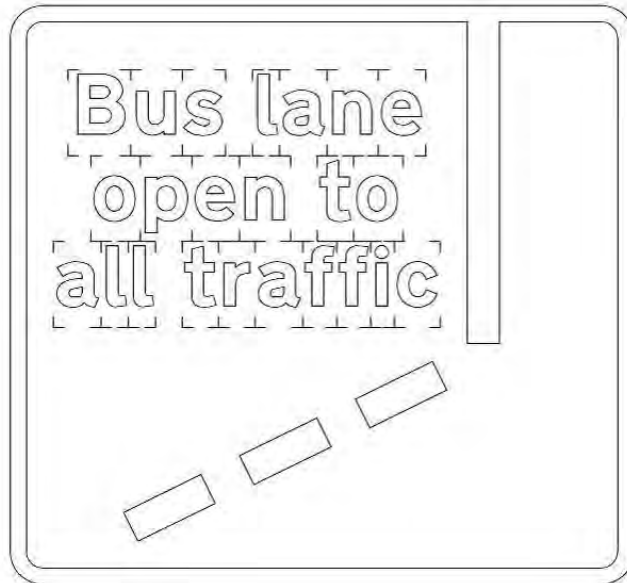


TABLE OF SIGN SIZES (mm)

x-height of text	50	60
Width of sign	725	870
Height of sign	675	810
Sign area (sq. m)	0.49	0.70



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 76.1 x 3.2 CHS	1 x 800 x 800 x 600
1 – 60 mm x - height	1 x 76.1 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 3.11.1 (958)

Start of bus lane suspended sign

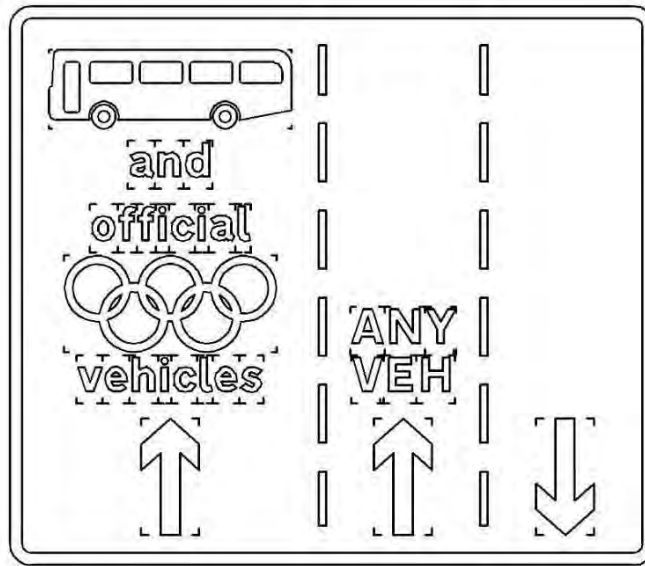
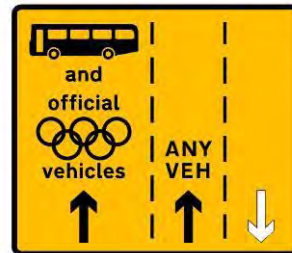


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	1330	
Height of sign	1155	
Sign area (sq. m)	1.54	



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
2. A distance panel may be added in the same colours, see Sign detail ORN 3.12.2 and 3.12.3.
3. Direction of the arrows may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 114.3 x 5.0 CHS	1 x 1100 x 1100 x 800

SIGN FACE DETAIL - ORN 3.12.1 (7201)

Nearside bus and games lane and central lane for any vehicle with contra-flow offside lane

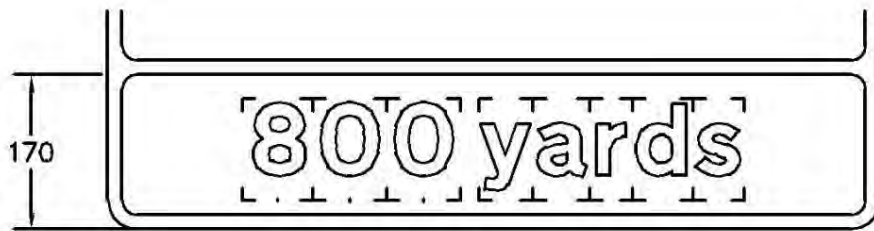


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	Varies	
Height of sign	Varies	
Sign area (sq. m)	varies	



NOTES:

1. May be used in association with games signs based on diagrams 3.12.1
2. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
3. Distance may be varied

SIGN FACE DETAIL - ORN 3.12.2 (7208)

Distance ahead to which conditions indicated by signs shown in the diagrams shown start to apply

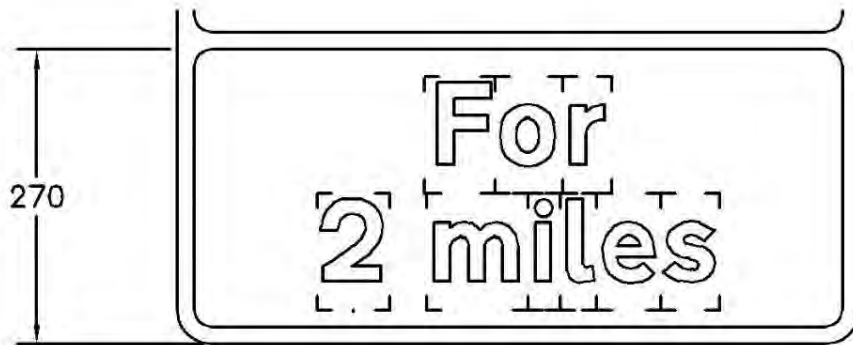


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	Varies	
Height of sign	Varies	
Sign area (sq. m)	varies	



NOTES:

1. May be used in association with games signs based on diagrams 3.12.1
2. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
3. Distance may be varied

SIGN FACE DETAIL - ORN 3.12.3 (7201.1)

Distance ahead to which conditions indicated by signs shown in the diagrams shown will apply

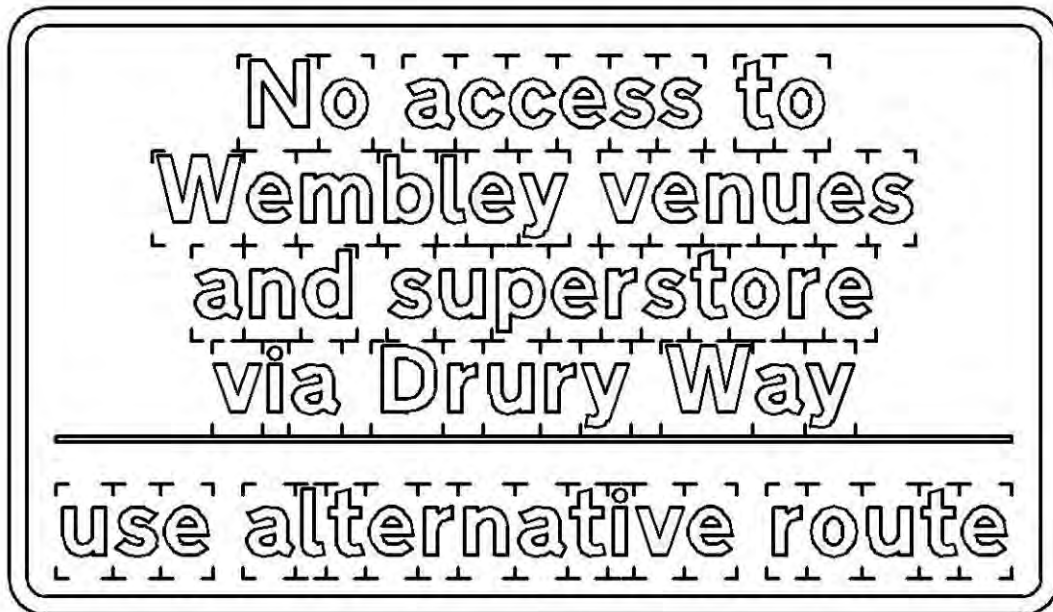
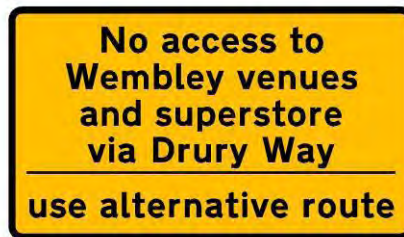


TABLE OF SIGN SIZES (mm)

x-height of text	50	
Width of sign	1105	
Height of sign	640	
Sign area (sq. m)	0.70	



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
2. Destinations and alternative route may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 50 mm x - height	1 x 88.9 x 3.2 CHS	1 x 900 x 900 x 600

SIGN FACE DETAIL - ORN 3.13 (2716)

Alternative route information sign

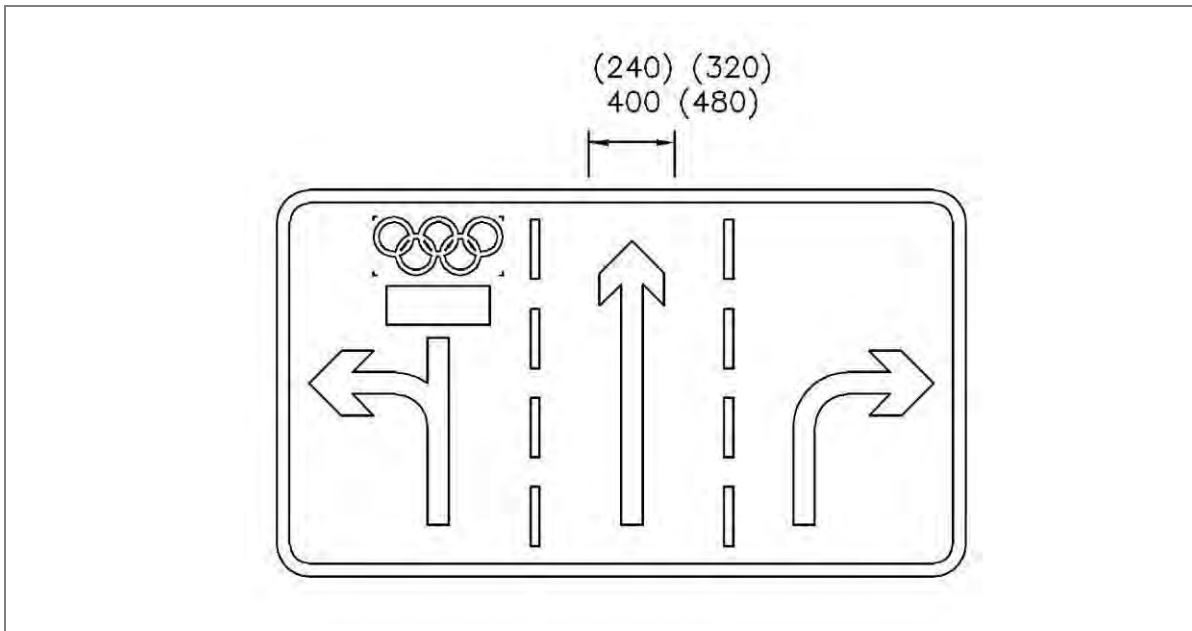


TABLE OF SIGN SIZES (mm)		
x-height of text	150mm	
	arrow width	
Width of sign	900	
Height of sign	varies	
Sign area (sq. m)	varies	

NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK
2. Lane arrows may be varied to suit the road layout.

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
-varies	varies	varies

SIGN FACE DETAIL - ORN 3.14 (877)

Appropriate traffic lanes for different manoeuvres at a junction ahead with a nearside games lane

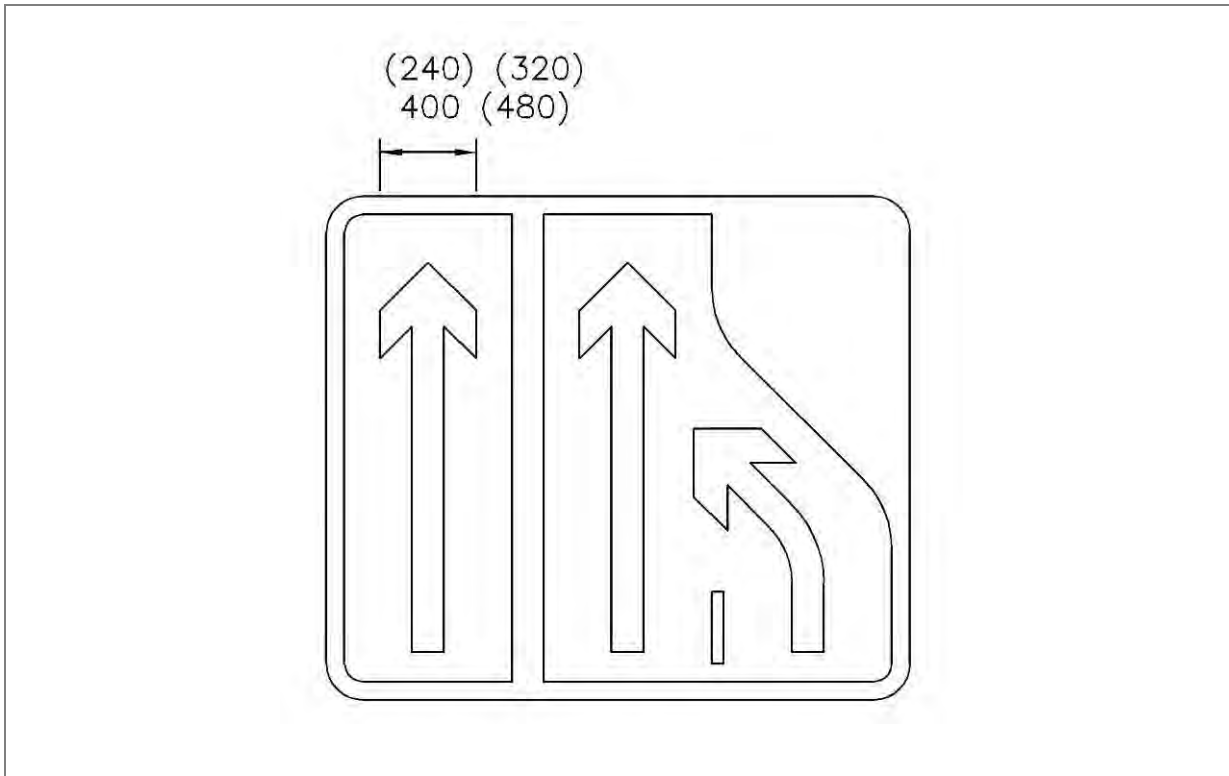
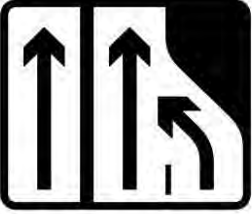


TABLE OF SIGN SIZES (mm)		
x-height of text	400mm arrow width	
Width of sign	2430	
Height of sign	2100	
Sign area (sq. m)	5.10	

NOTES:

1. COLOURS : Background – WHITE, Legend, Symbols and Border – BLACK

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
Varies	n/a	n/a

SIGN FACE DETAIL - ORN 3.15 (872.1)

Number of lanes ahead on a dual carriageway reduces from three to two lanes with a nearside games lane

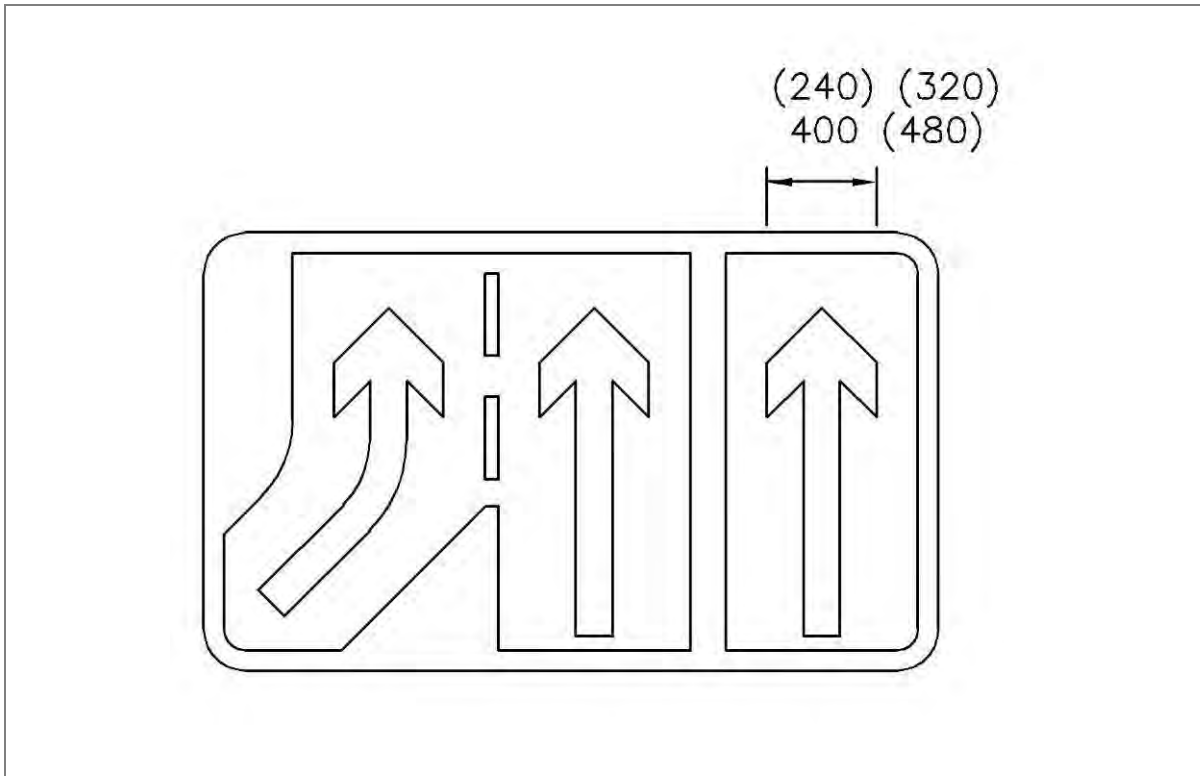
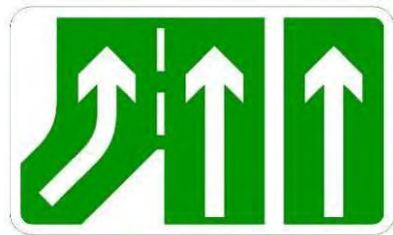


TABLE OF SIGN SIZES (mm)	
x-height of text	400mm arrow width
Width of sign	2680
Height of sign	1600
Sign area (sq. m)	4.29



NOTES:
 1. COLOURS : Background – GREEN, Legend, Symbols and Border – WHITE

TYPICAL POST AND FOUNDATION DETAILS
 The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.
 Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
Varies	n/a	n/a

SIGN FACE DETAIL - ORN 3.16 (868)

Additional traffic lane joining from the left ahead, with an offside games lane

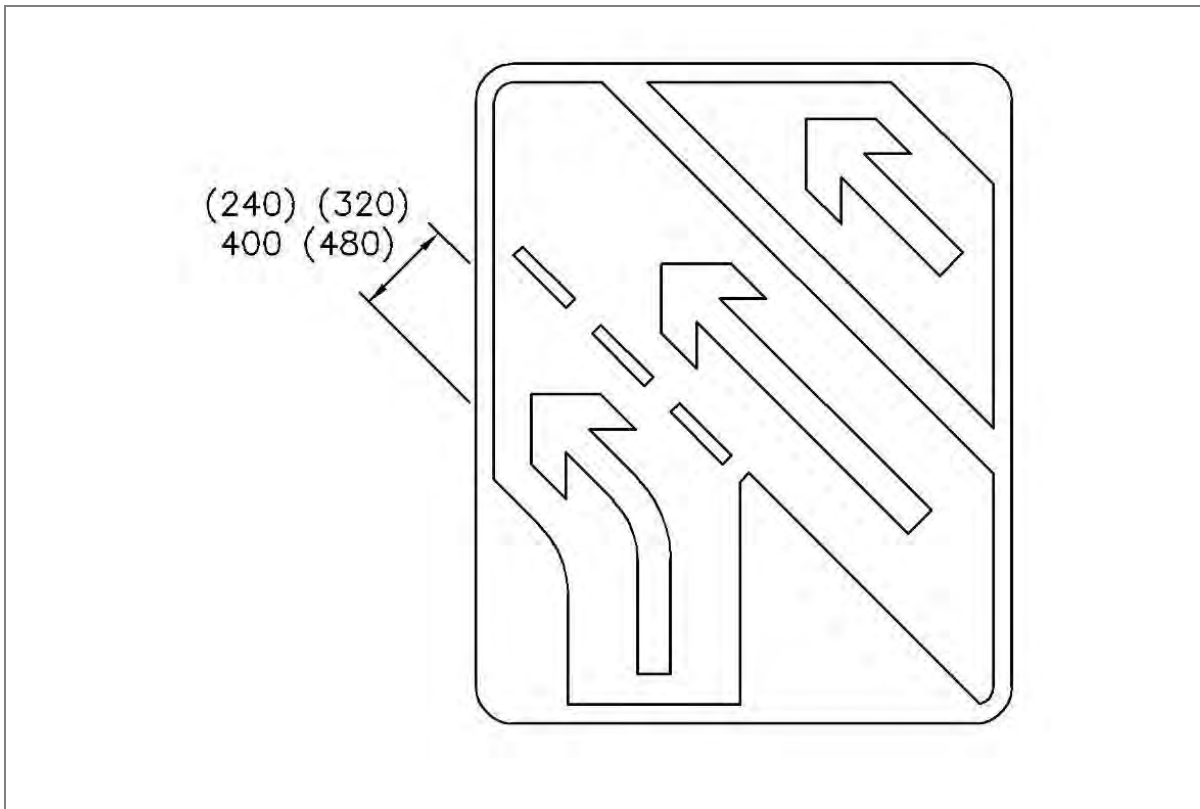


TABLE OF SIGN SIZES (mm)	
x-height of text	400mm arrow width
Width of sign	2175
Height of sign	2675
Sign area (sq. m)	5.83



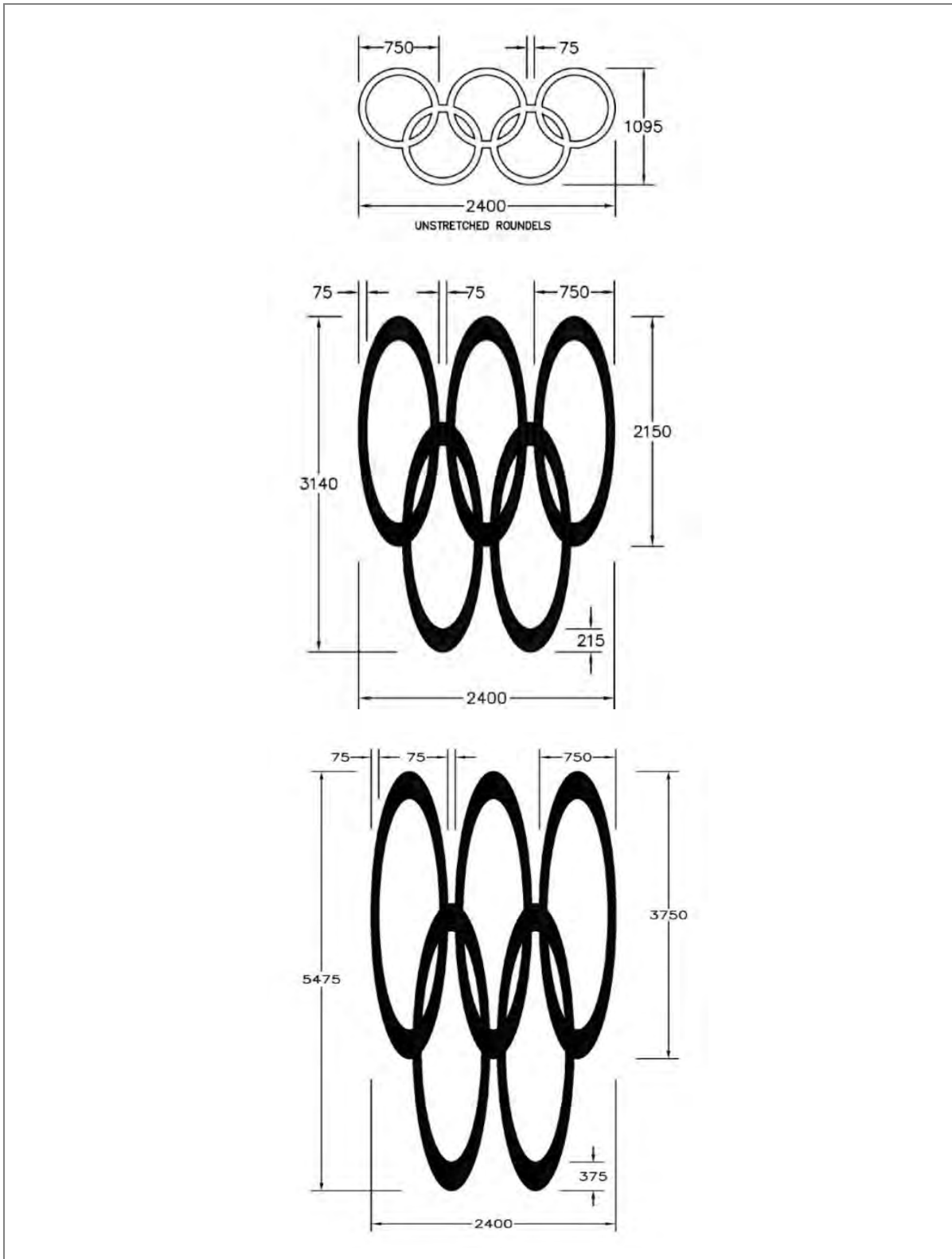
NOTES:
 1. COLOURS : Background – GREEN, Legend, Symbols and Border – WHITE

TYPICAL POST AND FOUNDATION DETAILS
 The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.
 Alternative mounting details are not provided in this report

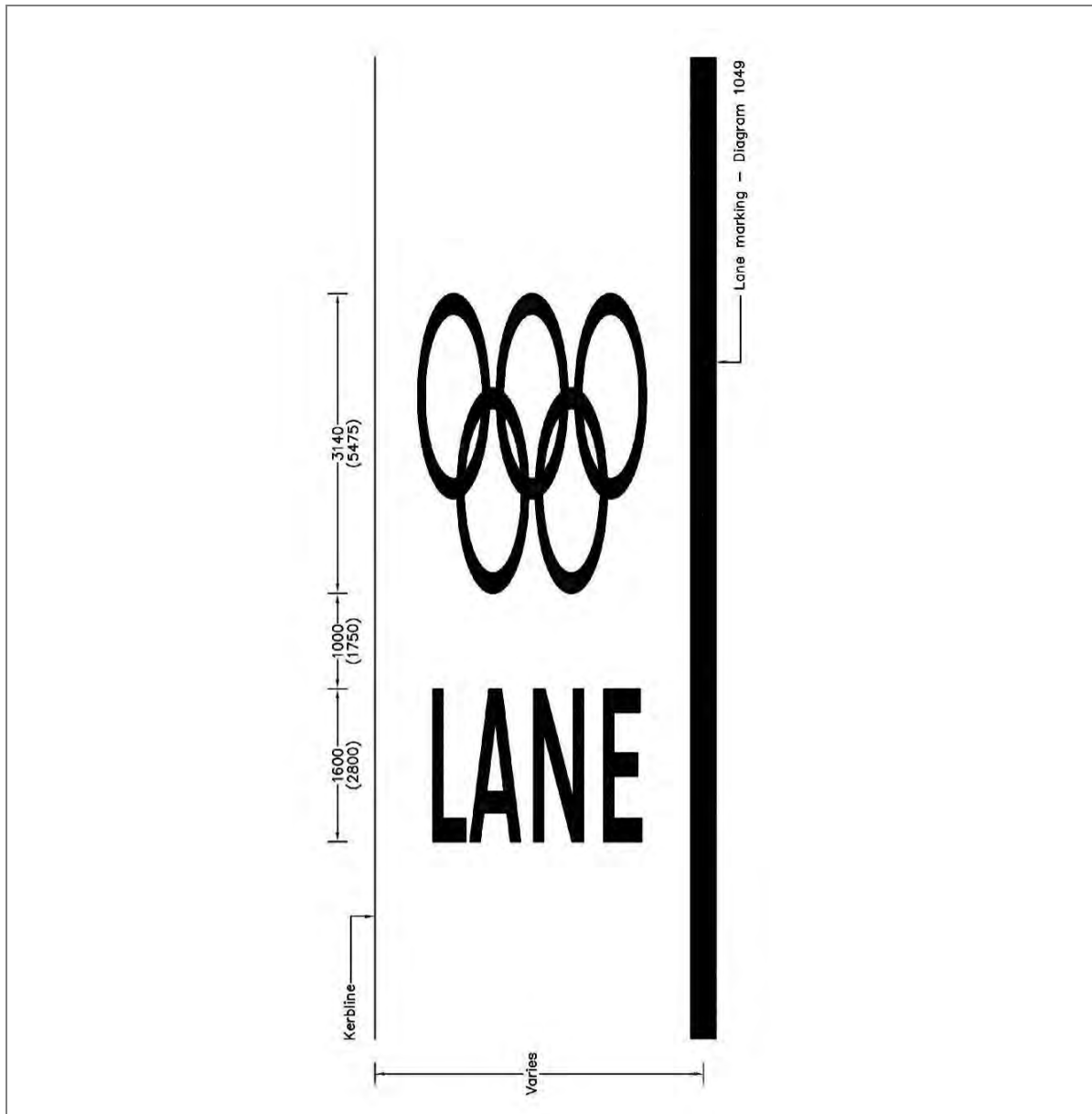
SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
Varies	n/a	n/a

SIGN FACE DETAIL - ORN 3.17 (868.1)

Additional traffic lane joining from the right ahead, with an offside games lane



OLYMPIC SYMBOLS DETAIL – ORN 4.0

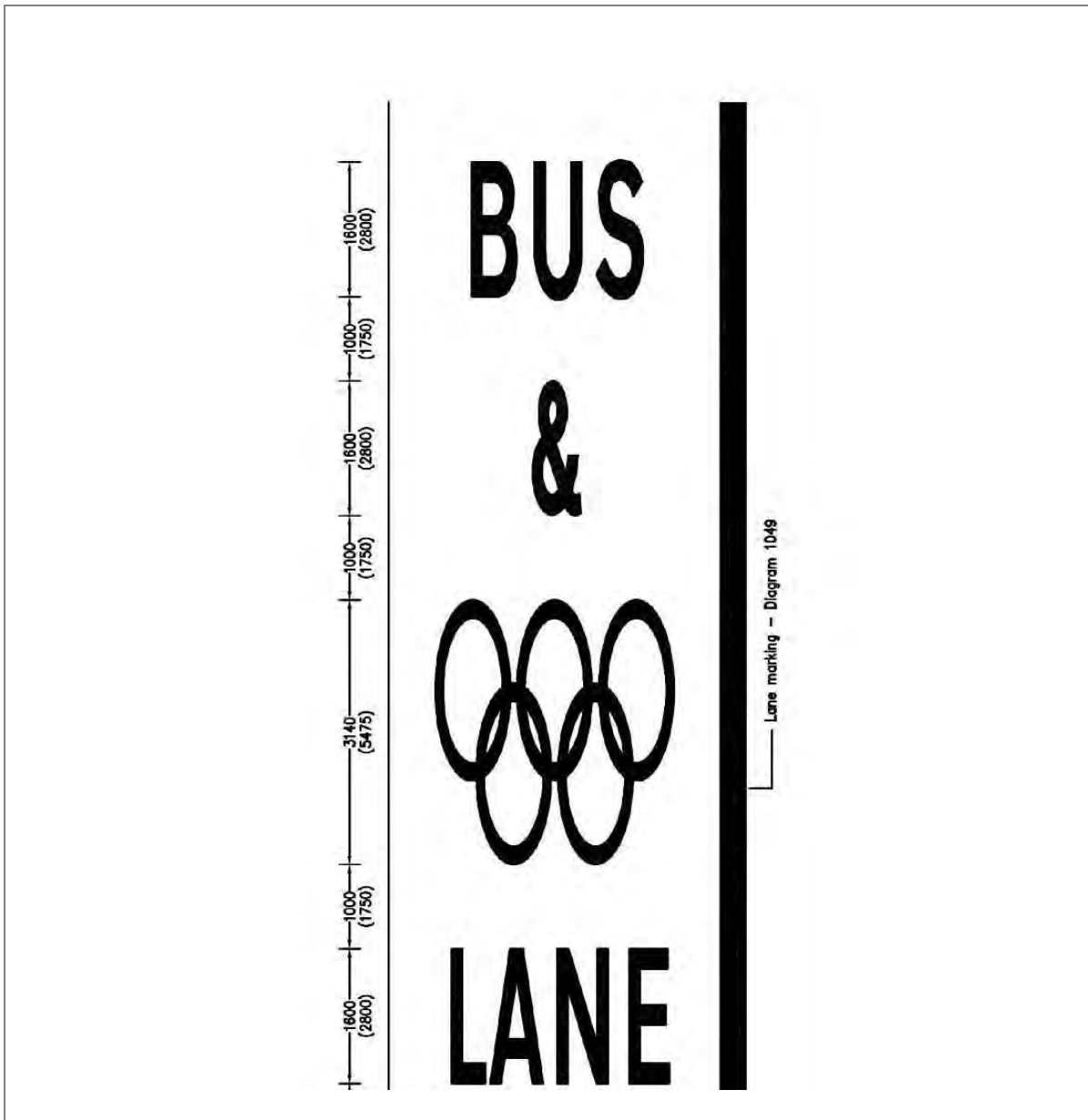


NOTES:

1. COLOURS : White
2. Diagram 1049 marking shall be provided where not already present.
3. Text style as TSRGD Schedule 13 Part VI
4. The lane boundary marking may be placed on the left, right or both sides of the ORN lane, the width of the marking should be 250 or 300mm depending on site conditions.

CARRIAGEWAY MARKING DETAIL – ORN 4.1

Start of games lane marking

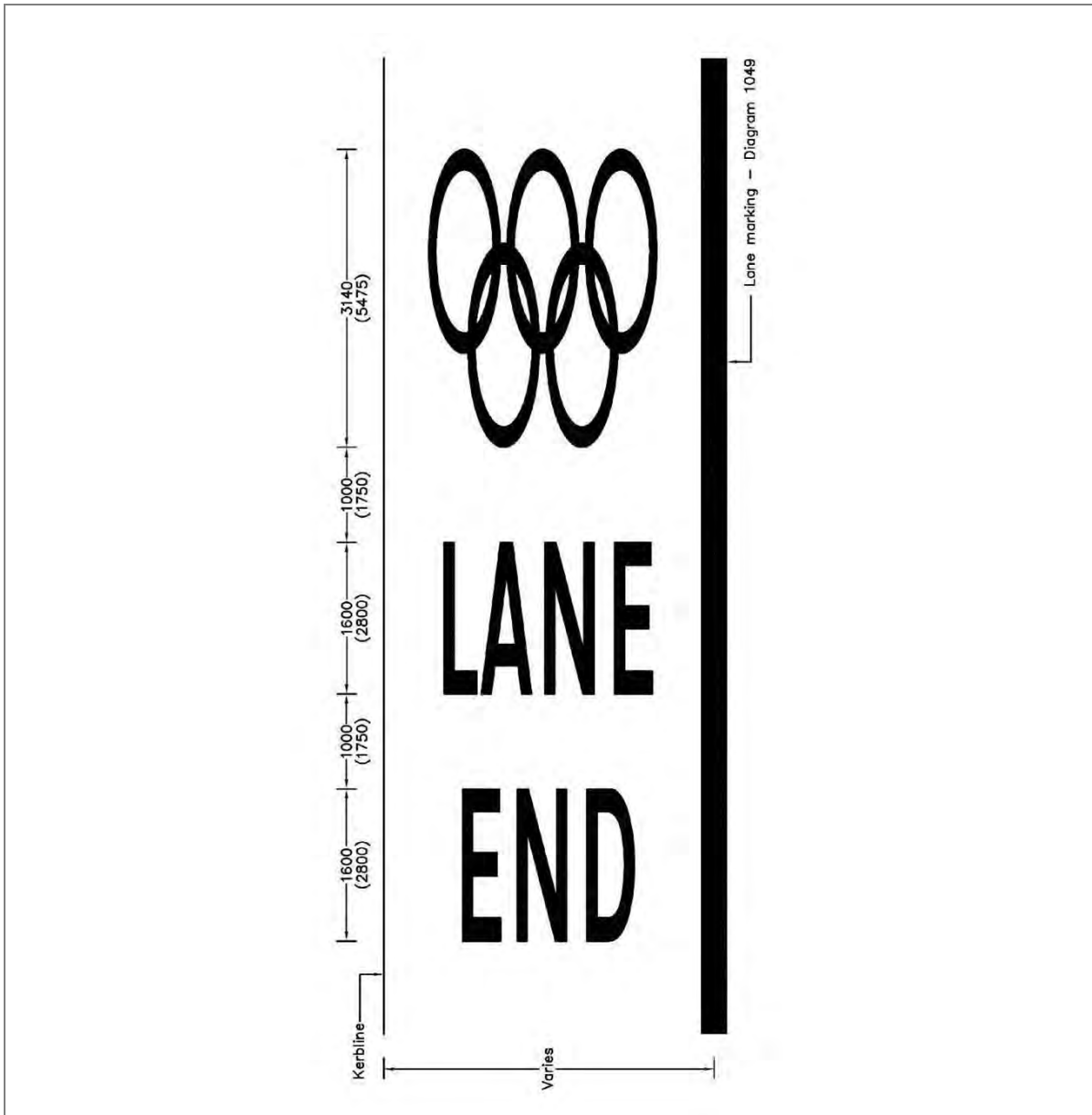


NOTES:

1. COLOURS : White
2. Diagram 1049 marking shall be provided where not already present.
3. Text style as TSRGD Schedule 13 Part VI.
4. The lane boundary marking may be placed on the left, right or both sides of the ORN lane, the width of the marking should be 250 or 300mm depending on site conditions.

CARRIAGEWAY MARKING DETAIL – ORN 4.2

Start of bus and games lane marking

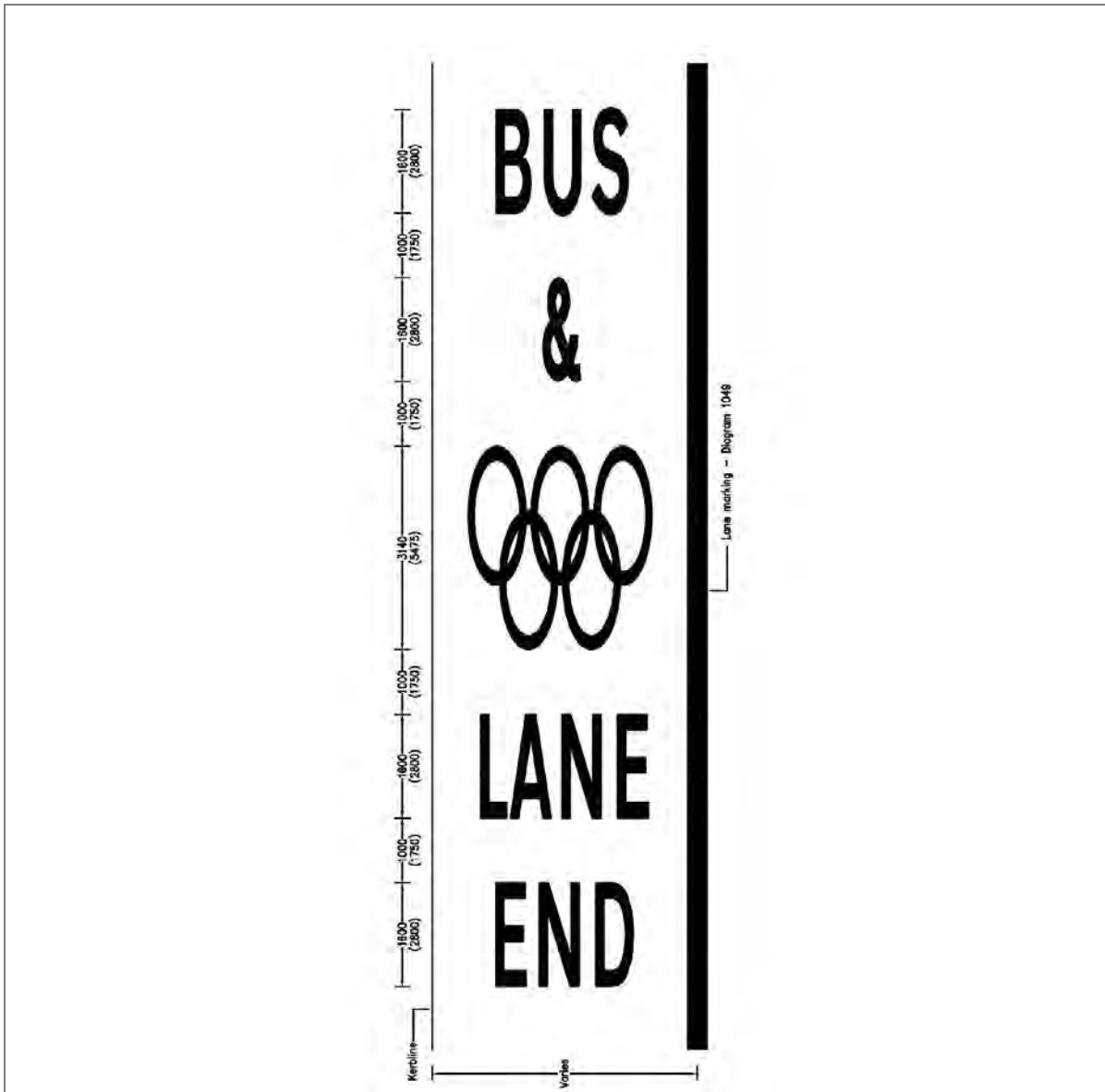


NOTES:

1. Symbol detail is the agreed ORN Logo.
2. COLOURS : White
3. Diagram 1049 marking shall be provided where not already present. Text style as TSRGD Schedule 13 Part VI.
4. The lane boundary marking may be placed on the left, right or both sides of the ORN lane, the width of the marking should be 250 or 300mm depending on site conditions.

CARRIAGEWAY MARKING DETAIL – ORN 4.3

End of games lane marking



NOTES:

1. Symbol detail is the agreed ORN Logo.
2. COLOURS : White
3. Diagram 1049 marking shall be provided where not already present.
4. Text style as TSRGD Schedule 13 Part VI. Text style as TSRGD Schedule 13 Part VI.
5. The lane boundary marking may be placed on the left, right or both sides of the ORN lane, the width of the marking should be 250 or 300mm depending on site conditions.

CARRIAGEWAY MARKING DETAIL – ORN 4.4

End of bus and games lane marking

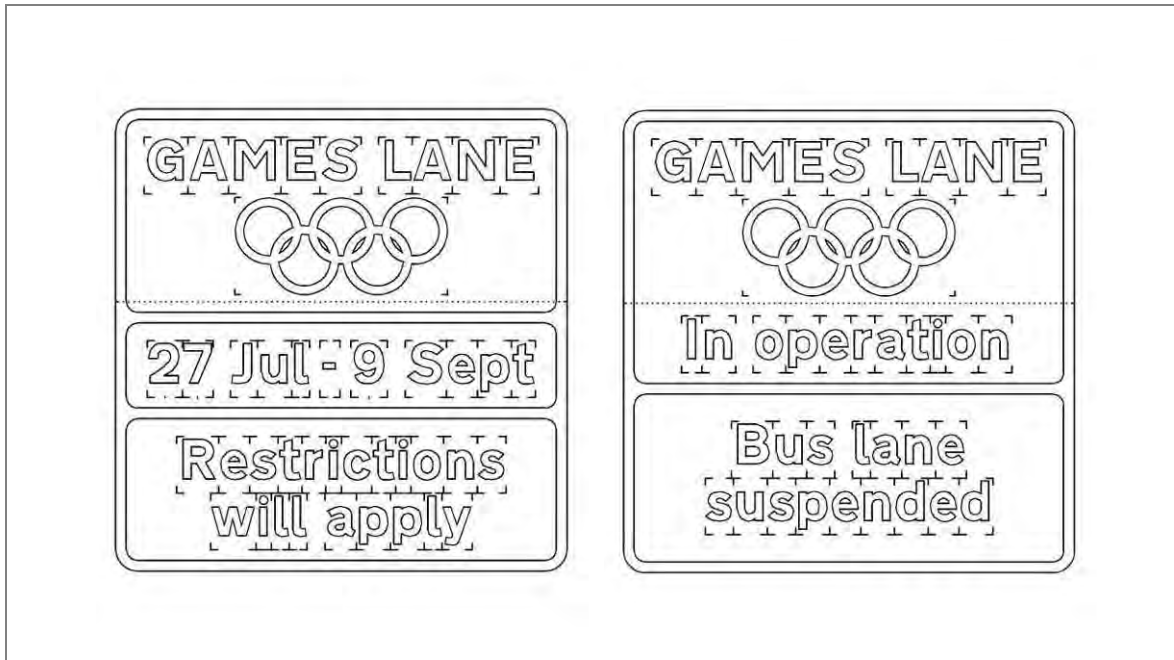


TABLE OF SIGN SIZES (mm)

x-height of text	60	75	100
Width of sign	955	1195	1595
Height of sign	975	1215	1620
Sign area (sq. m)	0.93	1.45	2.58



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
2. Dates of operation and legend may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 60 mm x - height	1 x 88.9 x 3.2 CHS	1 x 1000 x 1000 x 700
1 – 75 mm x - height	1 x 114.3 x 5 CHS	1 x 1200 x 1200 x 600
1 – 100 mm x - height	2 x 139.7 x 6.3 CHS	2 x 900 x 1300 x 600

SIGN FACE DETAIL - ORN 5.1.1 (7002A)

ORN Scheme board



TABLE OF SIGN SIZES (mm)

x-height of text	60-100		
Width of sign	varies		
Height of sign	varies		
Sign area (sq. m)	varies		



NOTES:

1. COLOURS : Background – YELLOW, Legend, Symbols and Border – BLACK
2. Dates of operation and legend may be varied

TYPICAL POST AND FOUNDATION DETAILS

The table below shows typical sizes for mounting on a permanent new post, at a mounting height of 2100mm.

Alternative mounting details are not provided in this report

SIGN SIZE OPTION	POST DETAILS (mm)	FOUNDATION DETAILS Width x Length x Depth
1 – 60 mm x - height	varies	varies
2 – 75 mm x - height	varies	varies
3 – 100 mm x - height	varies	varies

SIGN FACE DETAIL - ORN 5.1.2 (7002A)

ORN Scheme board

Appendix B:

Typical Layouts

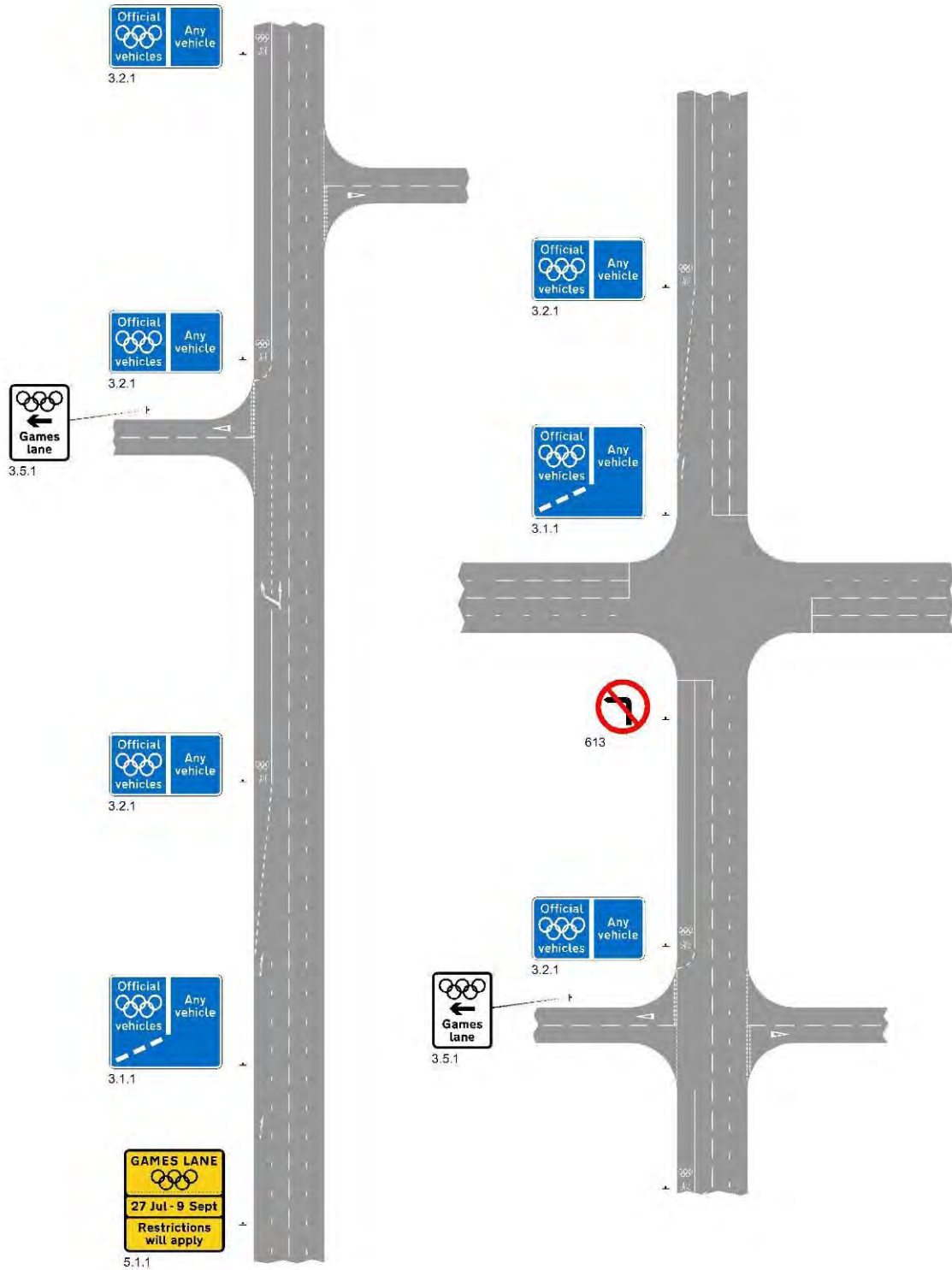


Figure 1

4 lane single carriageway
 Lane 1 - Games lane (continuing ahead)
 Lane 2 - Any vehicle

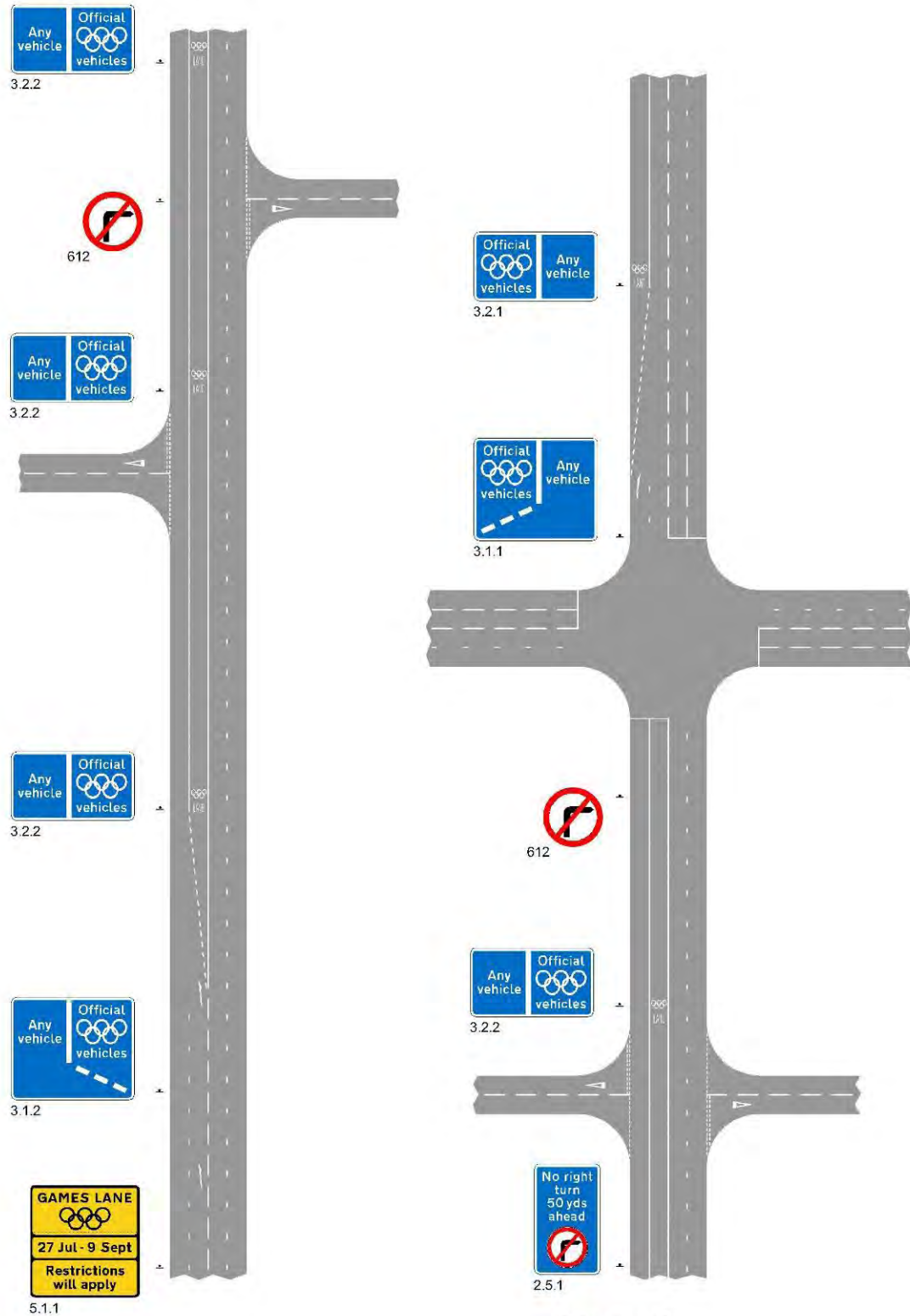


Figure 2

4 lane single carriageway

Lane 1 - Any vehicle

Lane 2 - Games lane (continuing ahead)

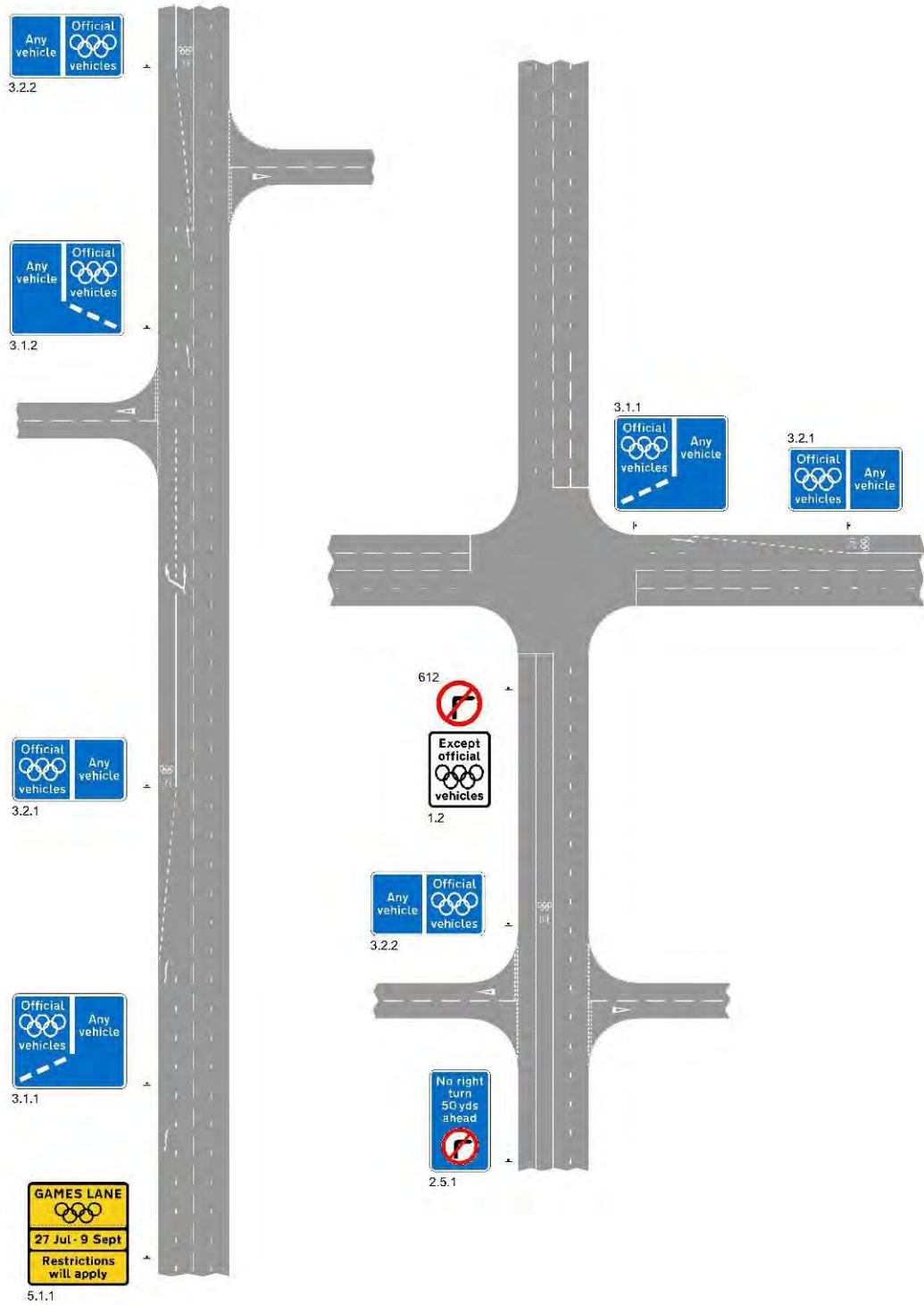


Figure 3

4 lane single carriageway
 Lane 1 - Games lane (leading to any vehicle)
 Lane 2 - Any vehicle (leading to games lane, turning right)

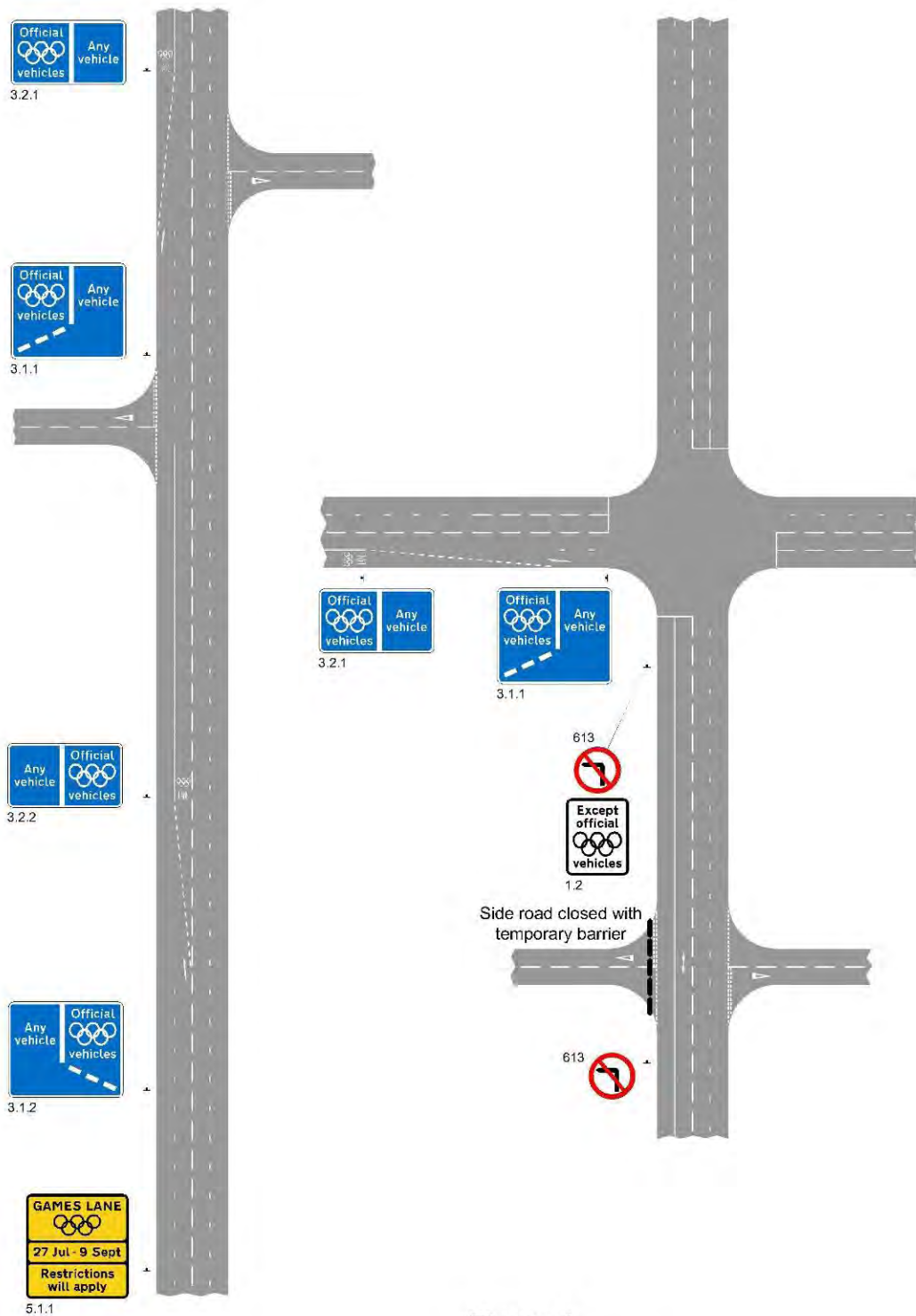


Figure 4

4 lane single carriageway
 Lane 1 - Any vehicle (leading to games lane, turning left)
 Lane 2 - Games lane (leading to any vehicle)

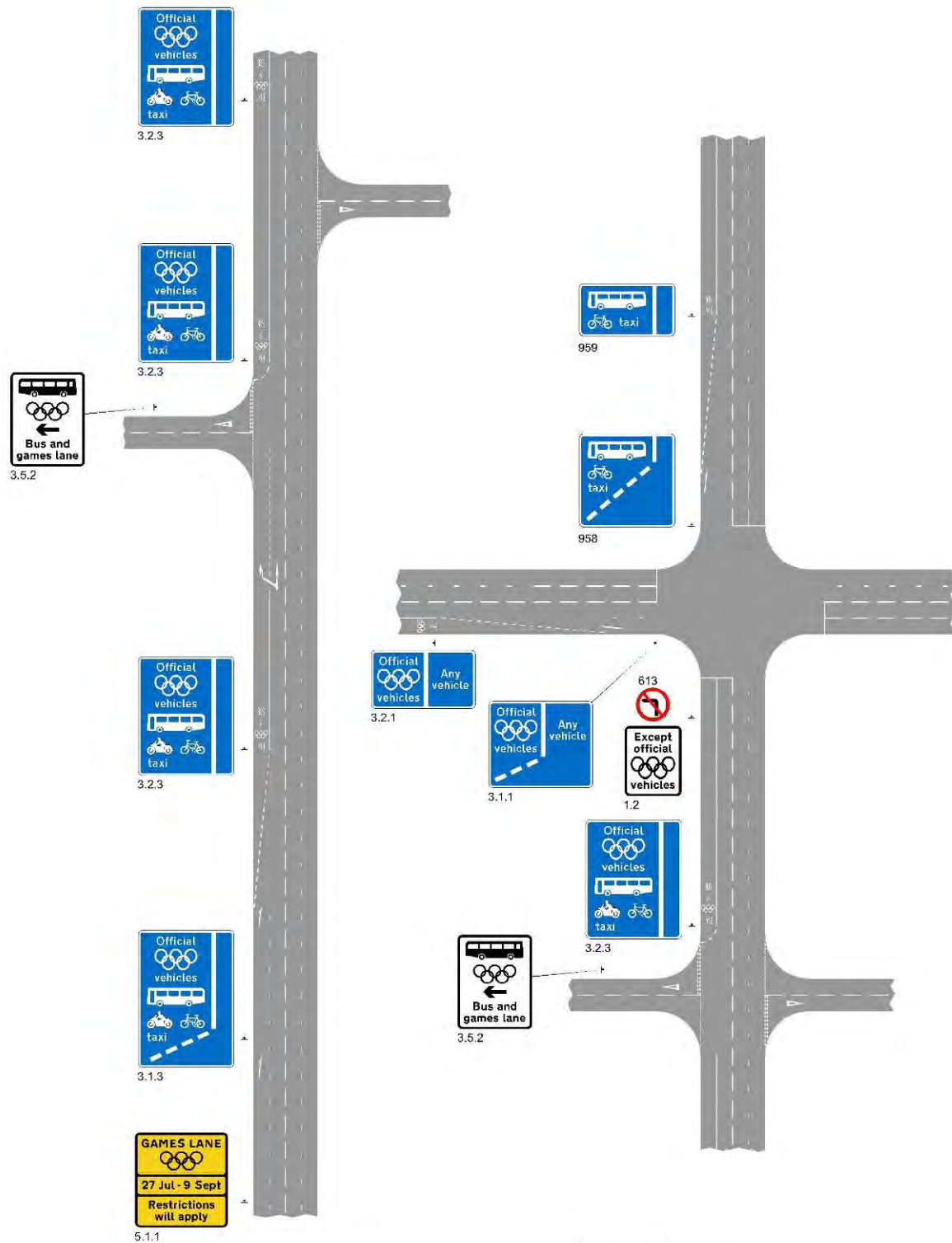


Figure 5
 4 lane single carriageway
 Lane 1 - Bus and games lane (Bus lane continuing ahead, games lane turning left)
 Lane 2 - Any vehicle

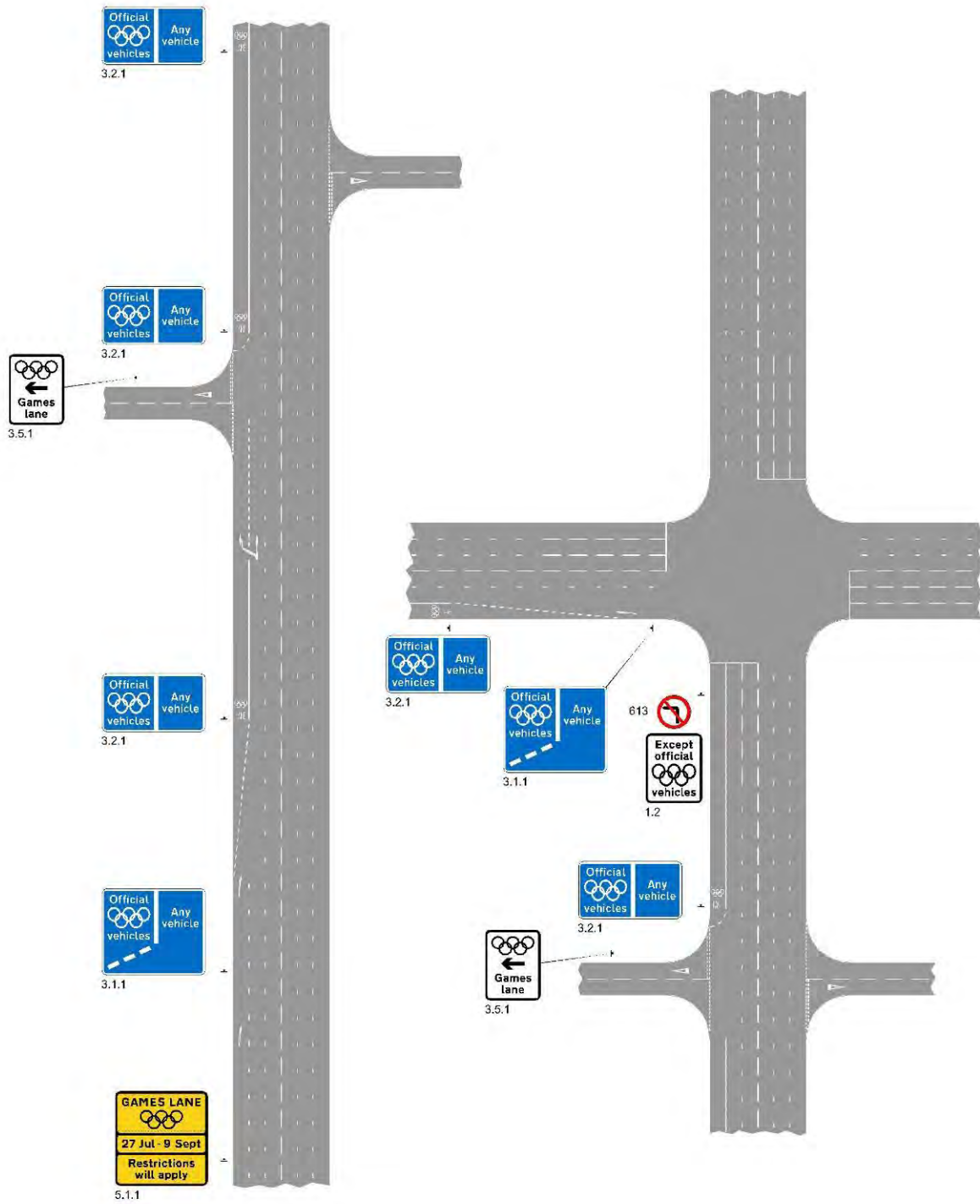


Figure 6
 6 lane single carriageway
 Lane 1 - Games lane (turning left)
 Lane 2 - Any vehicle
 Lane 3 - Any vehicle

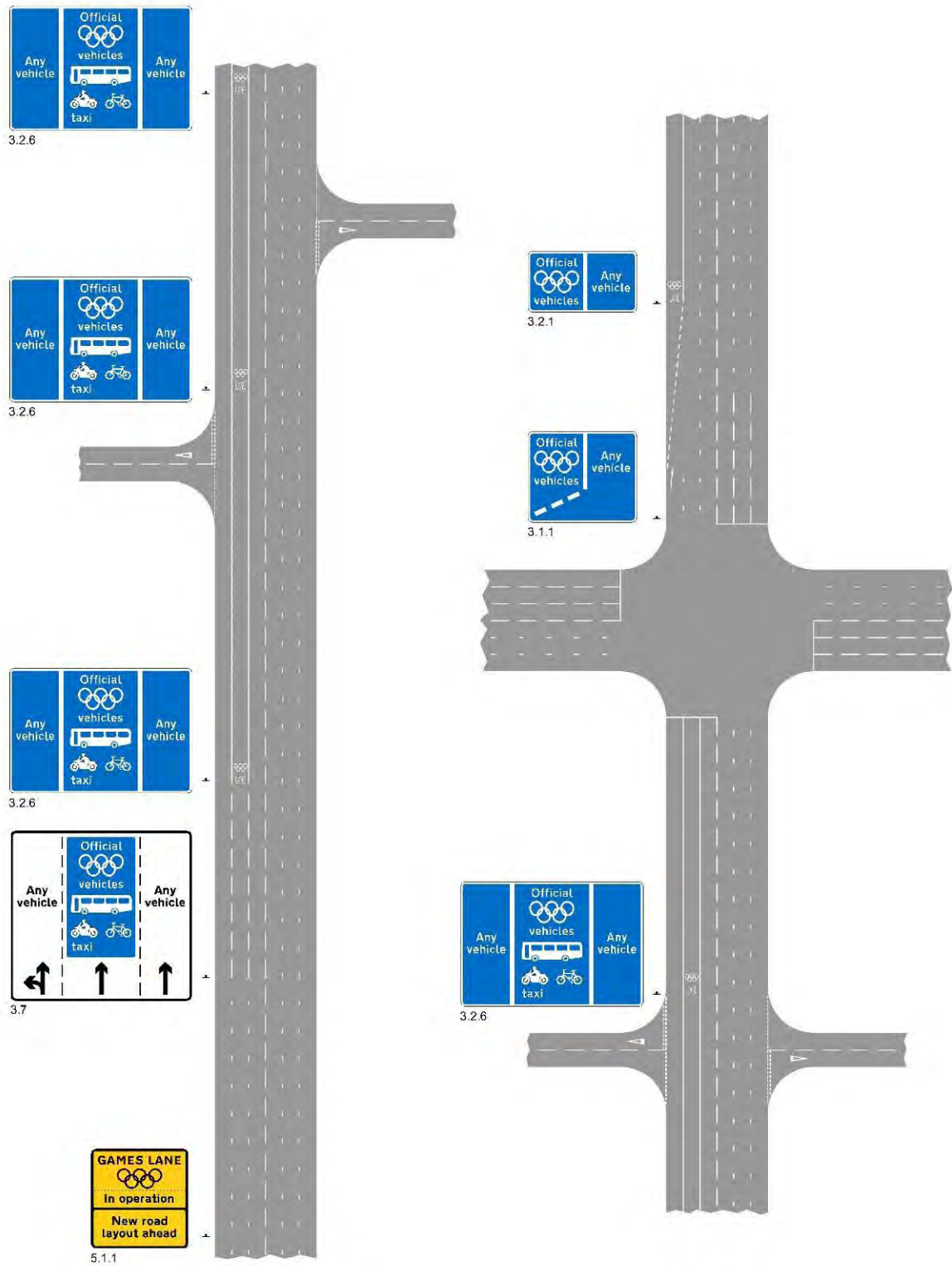


Figure 7

6 lane single carriageway
 Lane 1 - Any vehicle
 Lane 2 - Games lane (continuing ahead)
 Lane 3 - Any vehicle



Figure 8

6 lane single carriageway
 Lane 1 - Any vehicle
 Lane 2 - Any vehicle
 Lane 3 - Games lane (turning right)

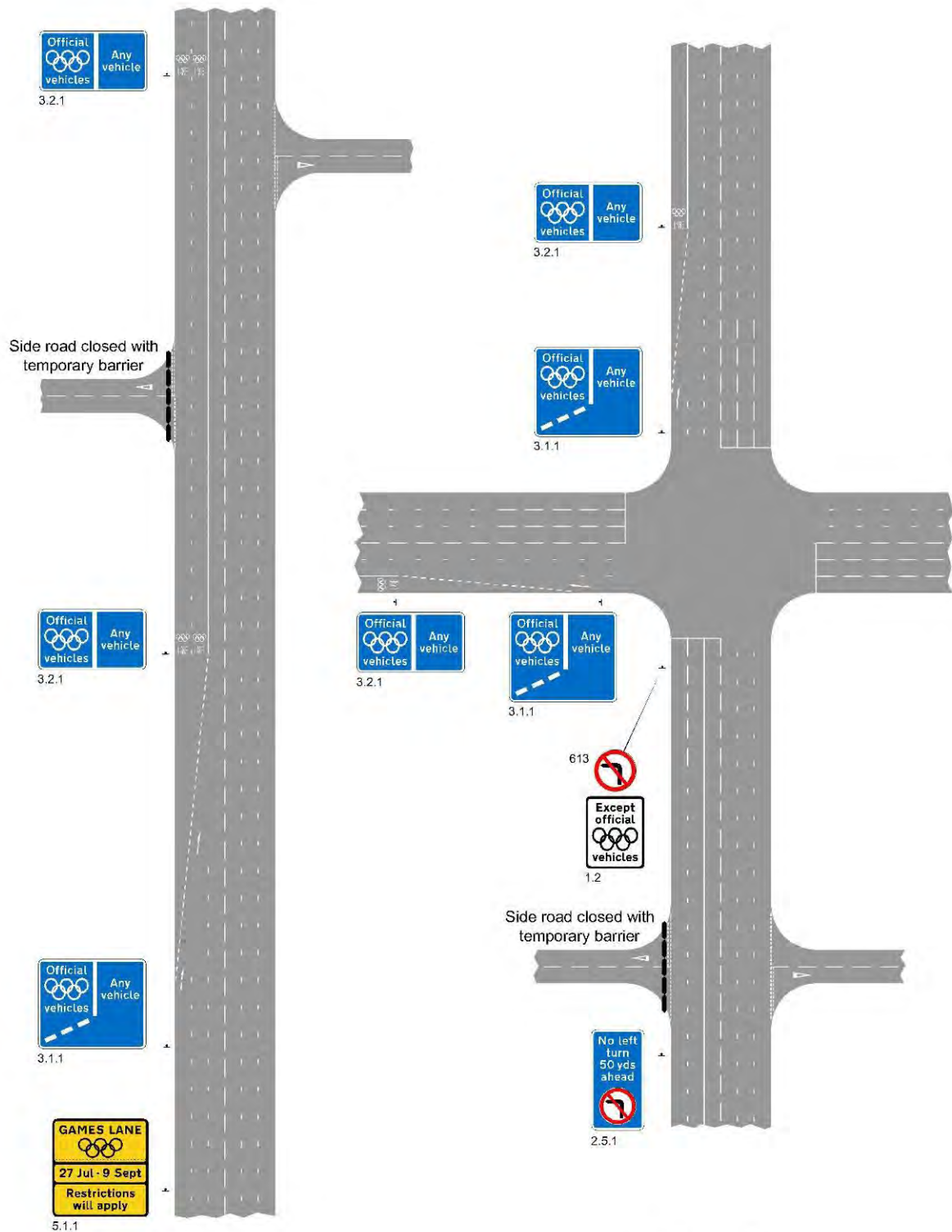


Figure 9

6 lane single carriageway
 Lane 1 - Games lane (turning left)
 Lane 2 - Games lane (continuing ahead)
 Lane 3 - Any vehicle



Figure 10

6 lane single carriageway
 Lane 1 - Any vehicle
 Lane 2 - Games lane (continuing ahead)
 Lane 3 - Games lane (turning right)



Figure 11

6 lane single carriageway
 Lane 1 - Games lane (turning left)
 Lane 2 - Games lane (turning left)
 Lane 3 - Any vehicle



Figure 12

- 6 lane single carriageway
- Lane 1 - Any vehicle
- Lane 2 - Games lane (turning right)
- Lane 3 - Games lane (turning right)



Figure 13
 6 lane single carriageway
 Lane 1 - Games lane (turning left)
 Lane 2 - Any vehicle
 Lane 3 - Games lane (continuing ahead)

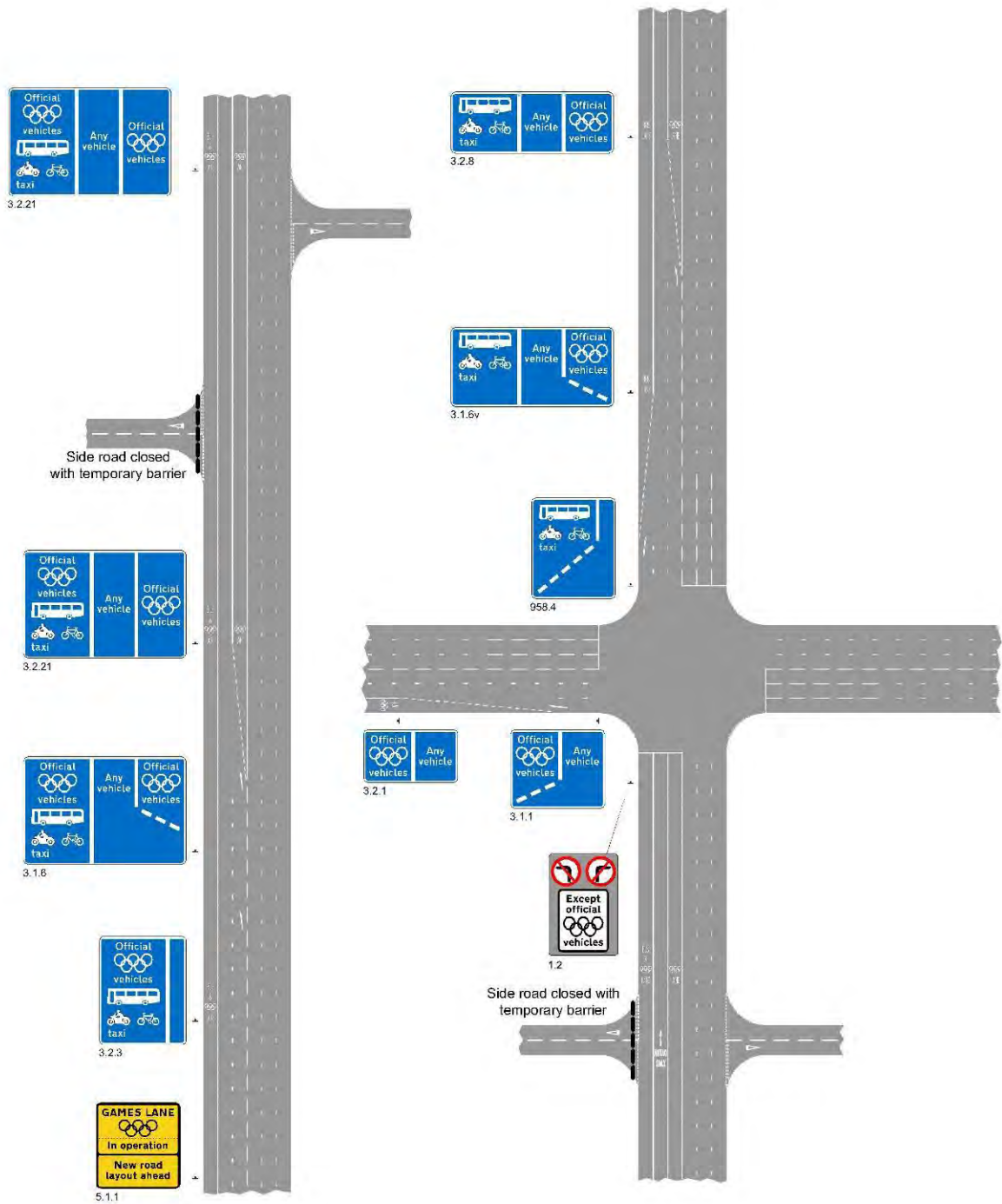


Figure 14

6 lane single carriageway
 Lane 1 - Games & bus lane (turning left)
 Lane 2 - Any vehicle
 Lane 3 - Games & bus lane (continuing ahead)

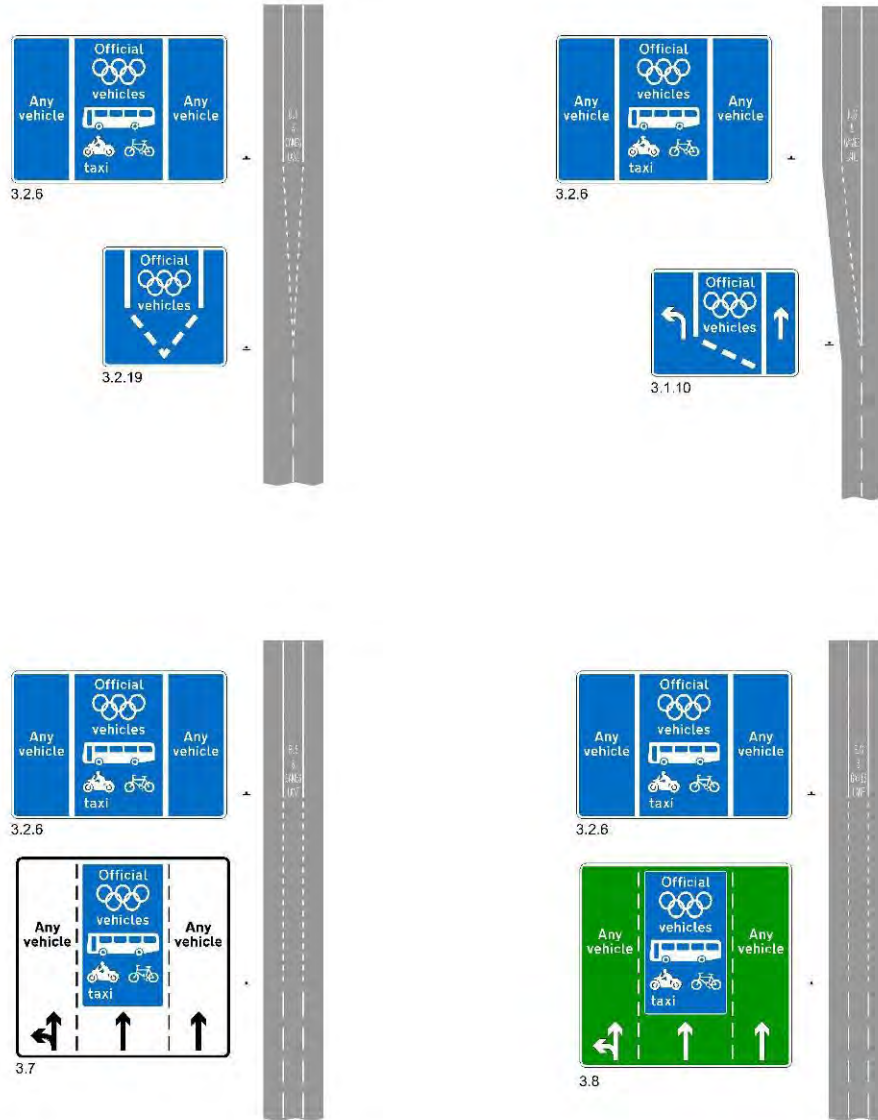


Figure 15

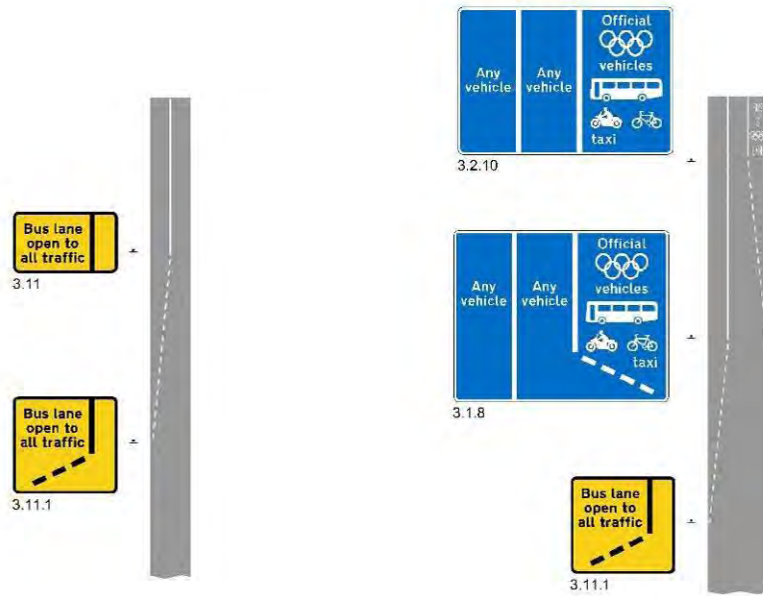


Figure 16

Resources and references

Internal

Author	Reference

External

Author	Reference