

Olympic and Paralympic Games Transport and Travel Impacts

Harrow Summary

Report

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1 Introduction

- 1.1 The London 2012 Olympic and Paralympic Games are Britain's largest peacetime logistical events. In summer 2012, Olympic events at venues throughout London will attract 9 million spectators, with the number of Paralympic Games spectators expected to total 2 million.
- 1.2 The extra demand from athletes, spectators, the wider Games family and the media immediately before and during Games time will put additional strain on London's transport system. To manage the transport challenges associated with the extra demand, there will be some changes to the way in which the transport network operates during the Games period. These special measures will be largely focused on areas in Central and East London where the majority of the Games venues are, however some changes, such as the Olympic and Paralympic Route Networks, will have a far greater impact and will affect areas beyond the core Games areas.
- 1.3 Travel in Harrow may be affected during the Games, with some roads and public transport routes expected to be busier than usual. It is important that businesses and individuals start planning ahead now to ensure that they understand the expected impact on their usual journeys, and avoid or minimise disruption and delay. This can be achieved by:
 - **Reducing** the need to travel;
 - **Retiming** journeys to avoid peak times and restrictions;
 - **Rerouting** journeys; or
 - **Revising** the mode of transport used.
- 1.4 This note sets out the expected transport impacts of Games operations on journeys into, around and out of Harrow, identifying the particularly busy areas and times when travelling will be more difficult. The detail presented here has been collated from the information prepared by the Olympic Delivery Authority and Transport for London. Further information on the transport impacts of the Games can be found at www.getaheadofthegames.com, and www.tfl.gov.uk/london2012.

2 Events and Special Arrangements that will Impact on Harrow

The Olympic and Paralympic Route Networks (ORN/PRN)

- 2.1 The Olympic Route Network and Paralympic Route Network (ORN and PRN) are networks of core routes between Central London and the Olympic Park at Stratford, venue routes (which link all the venues, nationwide), training routes (linking training venues), and an alternative ORN, which will be used if the core is unavailable.
- 2.2 The ORN and PRN will enable key participants, such as athletes and officials, to be fast tracked around London between venues and their accommodation. In order to ensure reliable journey times for the Games family, some changes to the normal operations of key routes are required. These changes will be temporary and proportionate: the ORN and PRN will only operate when needed, and they will be determined by demand, location and competition schedules. The scale and nature of the traffic management measures put in place along the ORN and PRN will vary according to the local traffic environment, but may include combinations of the following:
 - Changes to traffic signal timings;
 - Restricted turns at specified junctions;
 - Side road closures to general traffic;
 - Suspension of parking and waiting bays; and
 - Suspension of some pedestrian crossings.
- 2.3 The ORN and PRN restrictions will operate 6am to midnight, but the routes (with the exception of marked Games Lanes) will still be open to all road users at all times for the duration of the Games.
- 2.4 No roads in Harrow will operate as part of the ORN or PRN network, however the ORN will operate in Brent to facilitate journeys to Wembley Stadium and Wembley Arena from Central London. It will be operational on the A406 North Circular Road from Hanger Lane to Drury Way, then westbound along Great Central Way towards the Wembley venues. The specific detail of the measures and restrictions on these routes is presented in the next section.
- 2.5 The operations of the ORN in Brent and boroughs adjacent to Brent will mean that key routes have to accommodate more traffic. Whilst the impacts of the ORN in Brent may be relatively localised, it is important to plan for increased levels of congestion and localised queuing in Harrow if usual traffic flows through Brent are subject to restrictions. Day by day information on the expected impacts of the ORN and PRN on London's roads is available at www.getaheadofthegames.com/travelinaffectedareas/city/london-driving-and-roads.html.

Olympic Torch Relay

- 2.6 The Olympic Torch will pass through every London borough between 21st and 27th July. Large numbers of spectators are expected to view the relay and this will impact on movements along the Torch Relay route.
- 2.7 The Olympic Torch Relay will pass through Harrow on the morning of Wednesday 25th July. The planned route is as follows:
- Start in the Kodak Limited Sports Ground, moving eastbound to the A409 and heading southbound past Harrow and Wealdstone station on Station Road.
 - Southbound on High Street (B457), past Harrow-on-the-Hill station and Northwick Park Golf Course.
 - Eastbound on Sudbury Hill (A4005) into Brent.
- 2.8 No large-scale road closures will be in effect in Harrow, but rolling road closures will necessitate some localised diversion as the relay progresses through the borough.

Olympic and Paralympic Venues and Events

- 2.9 Whilst there are no Olympic or Paralympic venues in Harrow, Olympic competition events at Wembley Stadium and Wembley Arena will affect journeys in and through Harrow.
- 2.10 Wembley Stadium is one of six venues in the UK which will host men's and women's football events during the Olympics. The competition schedule at Wembley Stadium is from 29th July to 11th August, with the women's final taking place on Thursday 9th August and the men's final taking place on Saturday 11th August.
- 2.11 Badminton and rhythmic gymnastic events will take place at Wembley Arena from 28th July to 12th August, with the women's final taking place on Thursday 9th August and the men's final taking place on Saturday 11th and Sunday 12th August.
- 2.12 On days that Olympic competition events take place at Wembley Stadium and Wembley Arena the area in and around Brent and Harrow is likely to be busier than usual as spectators travel to and from the venues.

Calendar of Events

- 2.13 The Games time events and special arrangements that are likely to have some impact on travel into, around and out of Harrow are shown in the calendar that follows.

FIGURE 2.1 EVENTS AND SPECIAL ARRANGEMENTS AROUND HARROW - 23RD JULY-12TH AUGUST

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
July	23	24	25	26	27	28	29	
			ORN in operation Olympic Torch Relay - rolling road closures	ORN in operation	ORN in operation Olympic Games opening ceremony	ORN in operation 08:30-23:00 Badminton events at Wembley Arena 10:00-16:15 Cycling road event - delays on road network in southwest London	ORN in operation 17:00-21:45 Football events at Wembley Stadium 08:30-23:00 Badminton events at Wembley Arena 12:00-16:15 Cycling road event - delays on road network in southwest London	
	30	31	1	2	3	4	5	
	ORN in operation 08:30-23:00 Badminton events at Wembley Arena	ORN in operation 19:45-21:45 Football event at Wembley Stadium 08:30-23:00 Badminton events at Wembley Arena	ORN in operation 17:00 - 19:00 Football event at Wembley Stadium 09:00-21:00 Badminton events at Wembley Arena	ORN in operation 09:00-20:00 Badminton events at Wembley Arena	ORN in operation 09:00-17:00 Badminton events at Wembley Arena - MEDAL EVENT	ORN in operation 14:30-16:30 Football event at Wembley Stadium 09:00-17:00 Badminton events at Wembley Arena - MEDAL EVENT	ORN in operation 09:00-16:00 Badminton events at Wembley Arena - MEDAL EVENT	
	August	6	7	8	9	10	11	12
		ORN in operation 17:00-19:00 Football event at Wembley Stadium	ORN in operation 17:00-19:00 Football event at Wembley Stadium	ORN in operation	ORN in operation 19:45-22:15 Football event at Wembley Stadium - MEDAL EVENT 12:00-16:10 Gymnastics events at Wembley Arena	ORN in operation 12:00-16:10 Gymnastics events at Wembley Arena	ORN in operation 15:00-17:30 Football event at Wembley Stadium - MEDAL EVENT 13:30-16:05 Gymnastics events at Wembley Arena - MEDAL EVENT	ORN in operation 13:30-15.10 Gymnastics events at Wembley Arena - MEDAL EVENT

3 Travelling in and Around Harrow During the Games

3.1 The additional demand on the transport network created by Games related journeys will present significant challenges for London. In Harrow, journeys will be affected by the operations of the ORN in Brent, and by events taking place at Wembley Stadium and Wembley Arena. Some journeys made by public transport will be busier than usual or subject to delay or diversion.

By Road

All Road Journeys

3.2 The ORN will be operational in Brent to provide safe, secure and efficient access for key Games participants between Central London and the Wembley venues. It will operate on the A406 North Circular Road from Hanger Lane to Drury Way, then westbound along Great Central Way directly to the Wembley venues via South Way, First Way and Engineers Way. Maps of the affected routes are presented in Figure 3.1 and Figure 3.2. The specific changes on these sections are as follows:

- Games Lanes will be operational northbound on the North Circular Road from Hanger Lane to Drury Way, and southbound on the same section. Games Lanes will be closed to general traffic and will be reserved for use by accredited Games vehicles only between 7am and midnight. There will be penalties for vehicles that use the Games Lanes during operational hours.
- There will be sections of Games Lanes westbound on Great Central Way and South Way and northbound on First Way. Local buses will be permitted in these sections of Games Lanes. The exact position of these sections of Games Lanes is currently under review.
- There will be no right turns permitted from Hannah Close into Great Central Way, and no left turn from Great Central Way into Hannah Close.
- Parking on the east side of Fourth Way will be suspended from 7am to midnight on event days.
- Bus stops for east and westbound services on Engineers Way will be suspended.
- The bus stop for northbound services on the North Circular Road at Garden Way will be suspended.

3.3 The additional traffic on the ORN in Brent and associated restrictions may result in some localised congestion in Harrow.

FIGURE 3.1 OLYMPIC ROUTE NETWORK - EALING AND BRENT, A406 NORTH CIRCULAR

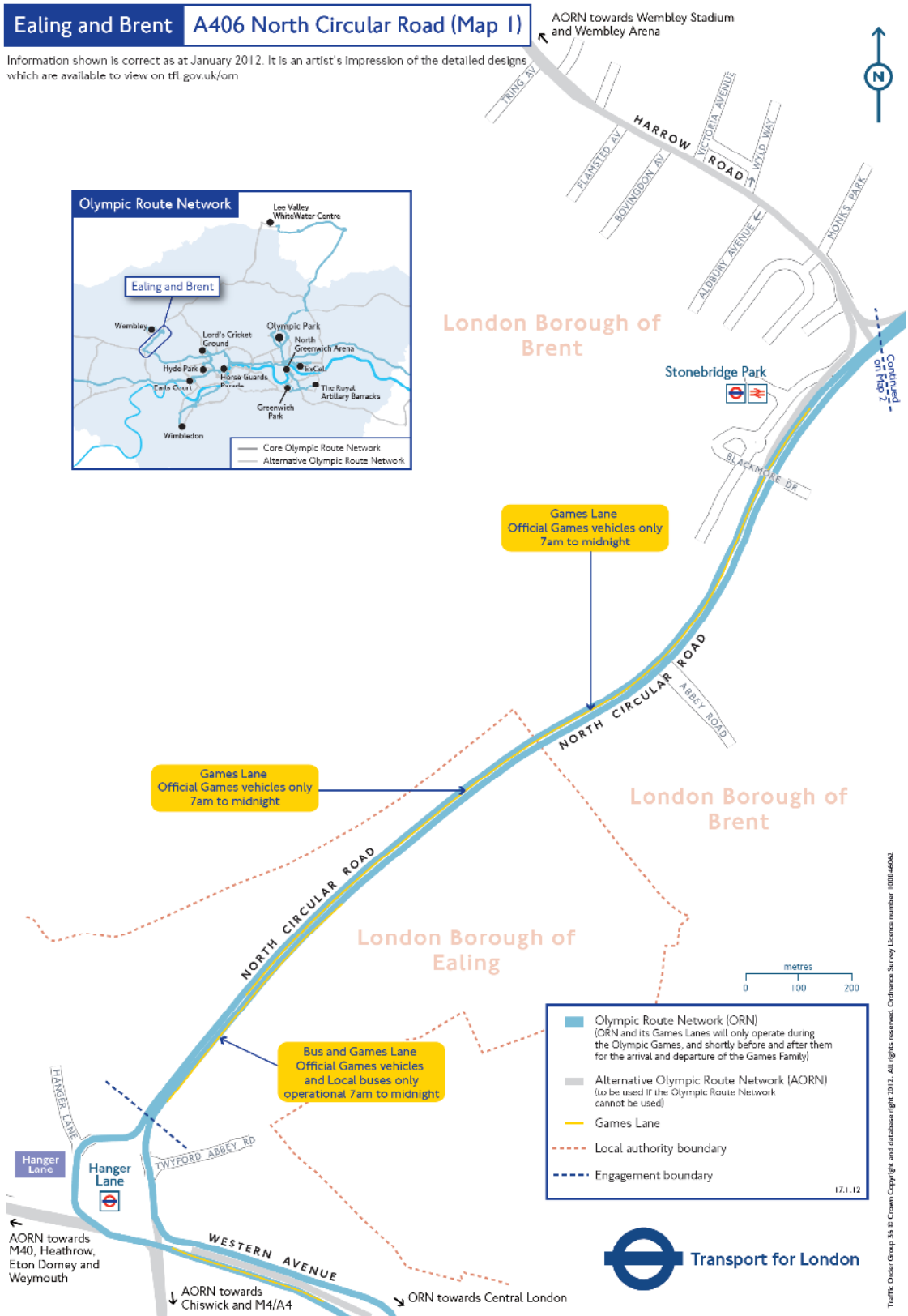
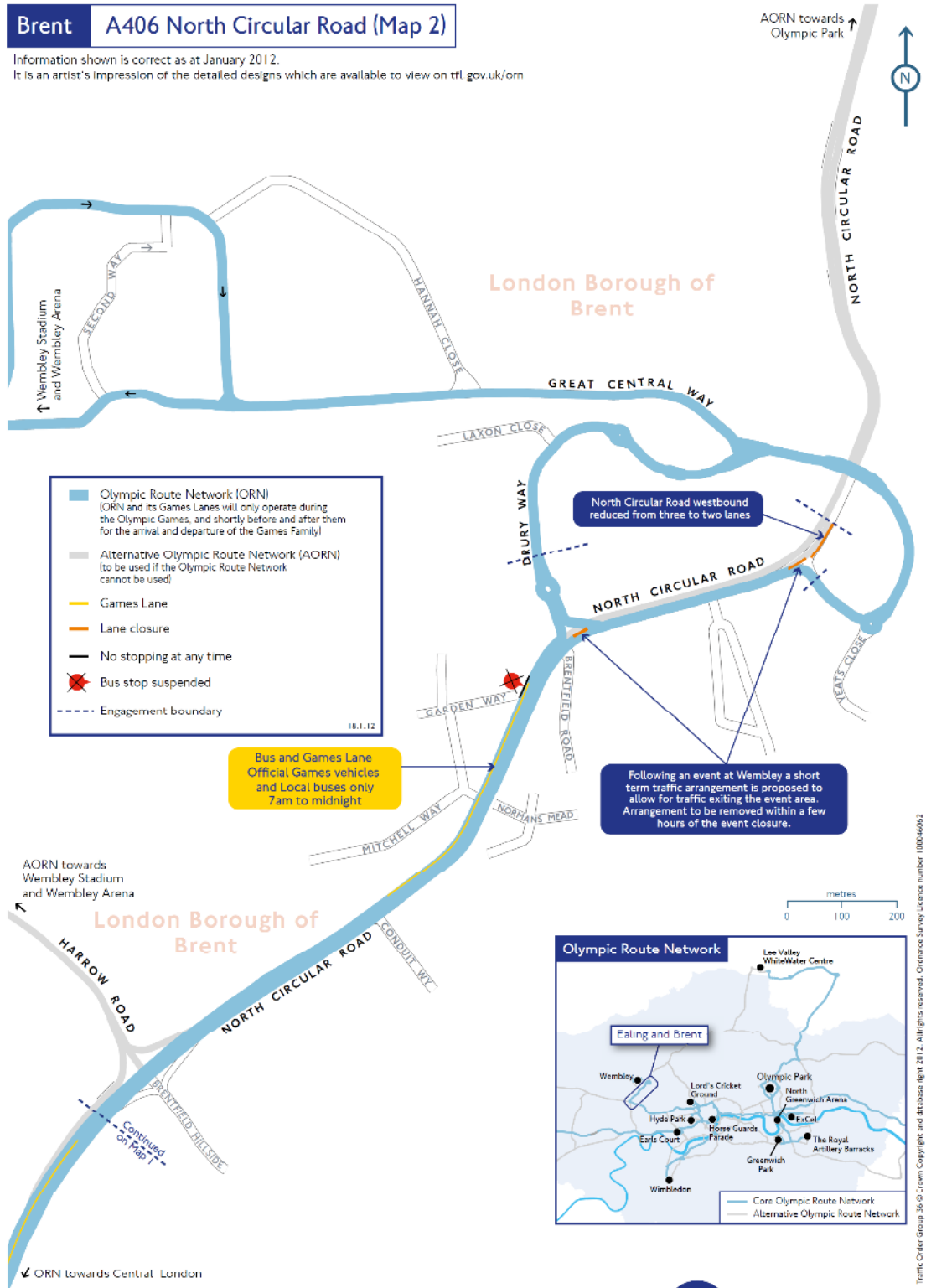


FIGURE 3.2 OLYMPIC ROUTE NETWORK - BRENT, A406 NORTH CIRCULAR ROAD AND GREAT CENTRAL WAY



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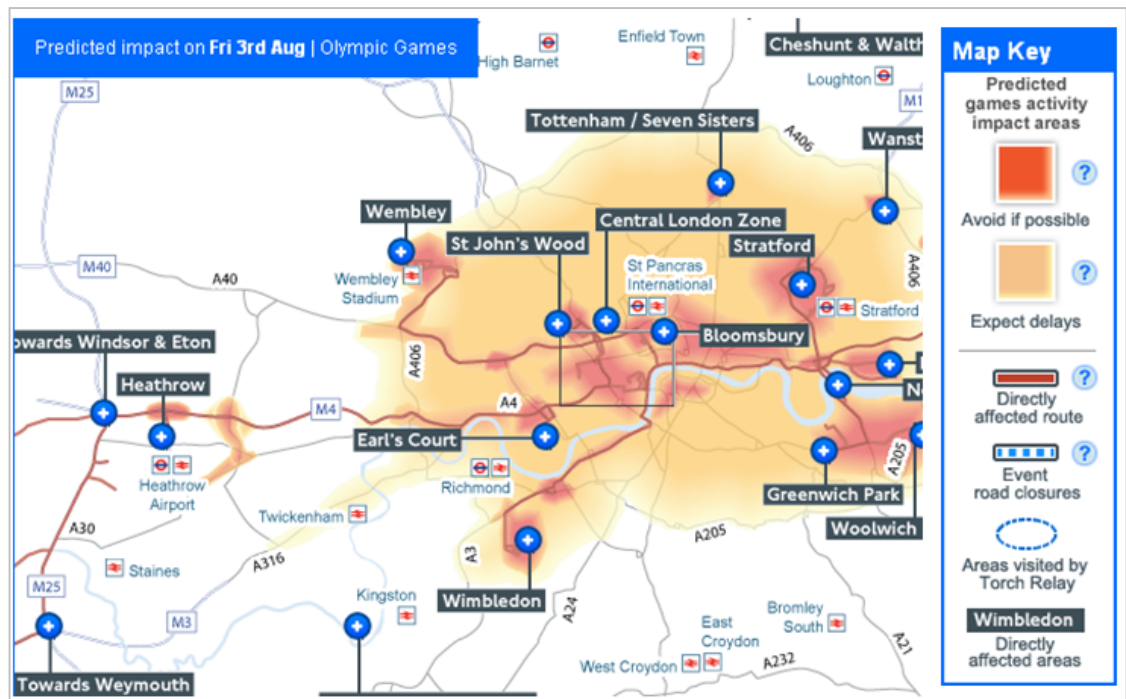
3.4 The predicted impact of the Games on London has been modelled to highlight the worst affected areas of the road network. The results of the modelling show that the road network in Brent will be busy, particularly in the areas in the vicinity of the ORN - the impacts for an example day (Friday 3rd August) are shown in Figure 3.3. The following roads will be particularly affected from 27th July to 12th August:

- A406 at Wembley IKEA, southbound;
- Abbey Road at North Circular, westbound;
- A40 at Hanger Lane, eastbound;
- Coronation Road at A40 towards A40;
- Park Royal at Gypsy Corner, eastbound;
- Victoria Road at Gypsy Corner, southbound; and
- A40 westbound at Savoy Circus, westbound.

3.5 The area from Neasden to Acton and Hanger Lane in the west will be particularly busy due to traffic associated with the Games. Road journey times through this area will be significantly increased while events are taking place.

3.6 It is anticipated that the impact of the Paralympic Games on the road network in Harrow will be negligible.

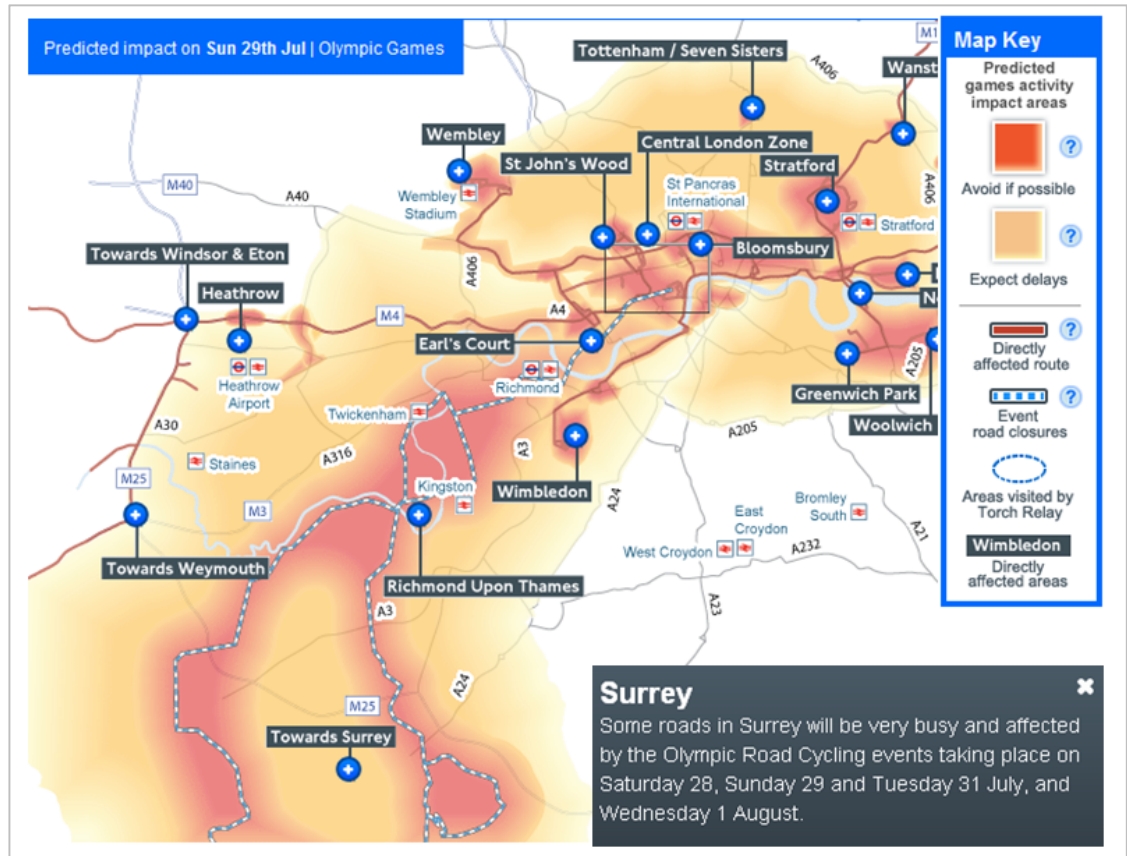
FIGURE 3.3 PREDICTED IMPACT OF THE GAMES ON THE ROAD NETWORK IN BRENT (POSSIBLE IMPACT ON HARROW)



3.7 The worst affected days on the wider road network in Greater London will be on Saturday 28th July and Sunday 29th July when the cycling road events take place. The route extends from Central London through the south west towards the Box Hill circuit in Surrey and there will therefore be extensive traffic management measures to divert the usual traffic from the official route. Motorists will be advised to avoid

the south west area, using the M25 as an alternative where possible. The predicted impacts on the road network are shown in Figure 3.4.

FIGURE 3.4 PREDICTED IMPACT OF THE CYCLING ROAD EVENTS, SATURDAY 28TH AND SUNDAY 29TH JULY



Freight Movements

- 3.8 The movement of freight by road will be subject to the same impacts as those experienced by usual traffic on the road network in Harrow. Transport for London have developed specific advice for the freight industry regarding Games time operations. This can be accessed at www.tfl.gov.uk/gettingaround/london2012/21838.aspx.

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Using Public Transport

- 3.9 Journeys in Harrow by public transport may be affected by the Games, with some routes and lines expected to be busier than usual at times.

Bus

- 3.10 Bus services will operate as normal in Harrow, however there may be some delays due to the increase in traffic volumes where competitive events are taking place in Brent at Wembley venues.
- 3.11 Route 92 from Ealing Hospital to St Raphael's North will be diverted around Wembley due to the temporary traffic measures around the Wembley venues. The diverted route is eastbound via Empire Way, Wembley Park Drive and Fulton Road, and westbound via Fulton Road.

London Underground

- 3.12 Detailed information on the anticipated impact of the Games on all London Underground lines can be accessed at www.getaheadofthegames.com/travelinaffectedareas/city/london-public-transport.html.

Jubilee Line

- 3.13 The Jubilee line is one of the key lines that will be used by spectators during the Olympic and Paralympic Games. It will be exceptionally busy, particularly in the morning and evening peaks as spectators travel to and from the Olympic Park in Stratford, ExCel, North Greenwich Arena and Wembley Stadium and Wembley Arena.
- 3.14 The Jubilee line passes through Harrow and some sections of the Harrow route may be busier than usual as spectators use the line to access the Wembley venues, however the busiest section will be from Bond Street to Stratford as spectators travel between Central London and the Olympic Park.
- 3.15 The line will be most affected on weekdays between 7-9.30am eastbound, and 4-7.30pm both directions, and from 10pm until the last train.
- 3.16 For passengers who make journeys using the Jubilee line, it is advised that, where possible, travel is completed outside of the AM and PM peak periods.

Bakerloo Line

- 3.17 The Bakerloo line will be busier than usual, particularly on days when events are being held at Wembley venues. Journeys will be most affected on weekdays during the morning peak, and varying evening peaks according to the competition schedules. The busiest dates will be 29th and 31st July, and 1st, 4th, 6th, 7th, 9th and 11th August.
- 3.18 For passengers who usually travel on the Bakerloo line, it is advised that, where possible, travel is completed outside of the AM and PM peak periods.

Metropolitan Line

- 3.19 The Metropolitan line is expected to be exceptionally busy when spectators travel to and from Wembley Park for football events during the afternoon and evening. The busiest sections will be from Wembley Park to Baker Street, and these sections will be busiest in mid-afternoon to late evening on event days.

- 3.20 It will not be necessary for passengers to avoid using the Metropolitan line in its entirety throughout the Games, but it is recommended that passengers avoid travelling a couple of hours before and after events at Wembley Stadium and Wembley Arena.

Piccadilly Line

- 3.21 The Piccadilly Line will be busier than usual as spectators travel to and from events at Earl's Court, Hyde Park and other Central London venues.
- 3.22 The busiest section will be from Earl's Court to King's Cross from 27th July to 12th August, but the section of the line that serves Harrow has not been highlighted as a section which is likely to be significantly busier than usual.

London Overground

- 3.23 The London Overground serves Harrow stations, and the line is expected to be busier than usual during the Games, particularly on the sections between Clapham Junction and Shepherd's Bush, and between Highbury and Islington and Stratford. The line will be busy throughout the Olympic and Paralympic Games.
- 3.24 Passengers who normally use the London Overground to travel in the busiest sections highlighted above are advised to complete their travel before 8am or after 11am, or before 4pm or after 8pm on weekdays.

National Rail

- 3.25 National Rail services from London will operate later than normal during the Games, with some longer and/or more frequent trains being operated on some lines.
- 3.26 There may be some amendments to timetabled services operating from Harrow mainline rail stations. Passengers should visit [Chiltern Railways](#) or [Southern](#) for detailed information.

Busy Interchange Stations

- 3.27 Journeys made to and from Central London from Harrow may also be affected as many of the key interchange stations for services into Central London from Harrow will be very busy. The details of the affected stations relevant to Harrow services are as follows:

- Baker Street Underground station (interchange point for passengers using the Bakerloo and Metropolitan lines): this station will be busier than usual throughout the Games as spectators access the Jubilee and Metropolitan lines to travel to and from Wembley events, and the Jubilee line to travel to and from events at the Olympic Park, ExCel and the North Greenwich Arena.
 - The station will be busiest between 7.30-10.30am on weekdays during the Olympic and Paralympic Games, 11.30am-3.30pm on Saturday 4th and Saturday 11th August, 1.30-6pm on Sunday 29th July, Wednesday 1st, Monday 6th and Tuesday 7th August, and 5.30-9pm on Tuesday 31st July and Thursday 9th August.
 - During the busiest periods of the Olympic and Paralympic Games, passengers may have to wait longer than 30 minutes to board a service at Baker Street Underground station.

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- Bond Street Underground station (interchange point for passengers using the Jubilee line): this station will be exceptionally busy throughout the Games and particularly busy in the evening peak, and interchange between the Central and Jubilee lines will be particularly busy all day.
 - The station will be busiest between 5-8pm on weekdays, at weekends, and during the Paralympic Games it will be busier than usual between 8-10am and 5.30-6.30pm from Monday 3rd to Friday 7th September.
 - During the busiest times in the Olympics, passengers may have to wait longer than 30 minutes to board a service.
- Paddington Underground station (interchange point for passengers using Bakerloo line services to and from Harrow): this station will be busier than usual during the Olympic and Paralympic Games due to spectators using the station to access Games venues in the area during the morning and evening peaks.
 - The station will be particularly busy weekday mornings between 7-9.30am during the Olympic Games and Paralympic Games and in the evenings between 4.30-7pm during the Olympic Games.
 - During the busiest times, passengers may have to wait between 15 and 30 minutes to board a service.
- Marylebone Rail and Underground station (interchange point for passengers travelling to/from Harrow using National Rail or Metropolitan line services):
 - This station will be much busier than usual in the morning peak throughout the Games as spectators will transfer to National Rail to Underground services at this station.
 - The station is expected to be busiest between 7.30-10am during the Games, particularly from Monday 6th to Friday 10th August, and Monday 3rd to Friday 7th September.
 - During the morning peak on the busiest days in the Olympic Games passengers may have to wait longer than 30 minutes to board a London Underground service.
 - During the morning peak on the busiest days in the Paralympic Games passengers may have to wait between 15 and 30 minutes to board a service.

Travelling through Central London

- 3.28 All travel in Central London will be affected to some extent during the Games period, and the impacts will vary by day, time and mode of travel. The interactive planning tools at www.getaheadofthegames.com show the expected impacts by day and by time, and are therefore an invaluable resource for avoiding significant delay on normal journeys.

4 Being Prepared - Plan Ahead

- 4.1 The information that has been made available on the anticipated transport impacts of the Games has been prepared by adding expected spectator numbers to 'background' data - the impacts of normal travel habits during the summer months.
- 4.2 The information shows the anticipated impacts based on a scenario in which all transport users continue to travel as normal, however the most severe impacts can be minimised or mitigated if all users - businesses and individuals - are flexible about their travel arrangements and plan ahead to avoid the worst affected hotspot areas.
- 4.3 For those travelling in Harrow and throughout London during the Games, disruption can be avoided by implemented the 'four Rs':
 - 4.4 **Reducing** the need to travel;
 - 4.5 **Retiming** journeys to avoid peak times and restrictions;
 - 4.6 **Rerouting** journeys; or
 - 4.7 **Revising** the mode of transport used.
- 4.8 For individuals, it is advised that essential journeys during the Games are planned in advance using the information at www.getaheadofthegames.com.
- 4.9 Businesses throughout London are being supported by Transport for London's Travel Advice for Business programme, however all businesses are encouraged to develop an action plan to ensure that the impacts of the Games on employees, deliveries, customers and visitors are considered, and that the business is well prepared for Games related impacts. The [Travel Advice for Business handbook](#) is a useful resource for businesses that identifies a range of potential solutions for different business types.

CONTROL SHEET

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