

Olympic and Paralympic Games Transport and Travel Impacts

Hillingdon 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 Hillingdon will 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 Hillingdon, 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 Hillingdon

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 from 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 In Hillingdon, no main or local roads will be designated Olympic or Paralympic Routes. The M4 through Hillingdon will form part of the Olympic and Paralympic Route Network to facilitate Games family journeys to the rowing (Eton Dorney) and sailing (Weymouth and Portland) competition event venues from Central London. The known detail of the measures and restrictions on the M4 is presented in the next section.
- 2.5 The operations of the ORN and PRN in neighbouring boroughs will mean that key routes have to accommodate more traffic, and routes in Hillingdon may be busier than usual as a result of general congestion in West London. Day by day information on the expected impacts of the ORN and PRN on London's roads is available at www.getaheadofthegames/travelinaffectedareas.

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 Hillingdon on the afternoon of Tuesday 24th July. The Torch will travel in a police convoy with rolling road closures through Hayes, Cowley and Uxbridge. The route is as follows:

- Westbound and northbound on North Hyde Road, Dawley Road and Harlington Road (A437);
- Westbound on Pield Heath Road and through the Brunel University campus on Kingston Lane;
- Northbound on Cowley Road (A408); and
- Through Uxbridge town centre and northbound on Park Road (B483) to the Hillingdon finish at Hillingdon House Farm Sports Ground.

2.8 No large-scale road closures will be in effect in Hillingdon, but the rolling road closures will necessitate some localised diversions as the relay progresses through the borough.

Olympic and Paralympic Venues and Events

2.9 Whilst there are no Olympic or Paralympic venues in Hillingdon, there are a number of venues in neighbouring boroughs which will affect journeys in and through Hillingdon. These venues/locations are:

- Eton Dorney (Buckinghamshire), the venue for Olympic rowing and canoe sprints from 28th August to 11th August, and Paralympic rowing from 31st August to 2nd September;
- Wembley Stadium (Brent), which will host Olympic football events from 29th July to 11th August;
- Wembley Arena (Brent), the location for Olympic badminton and rhythmic gymnastics from 28th July to 12th August;
- Olympic Family and spectator arrivals and departures at Heathrow Airport (Heathrow's busiest day is expected on 13th August when spectators, media and Games Family depart after the Olympic Games closing ceremony); and
- Roads in Richmond Upon Thames and Kingston, which will form part of the cycling road race route on 28th and 29th July.

2.10 On days that events take place in surrounding areas Hillingdon may be busier than usual as spectators pass through the borough to access venues, or as normal traffic diverts to avoid the busiest routes around the transport hotspots.

Calendar of Events

2.11 The Games time events and special arrangements that are likely to have some impact on travel into, around and out of Hillingdon are show in the calendar that follows.

FIGURE 2.1 OLYMPIC EVENTS AND SPECIAL ARRANGEMENTS AROUND HILLINGDON - 23RD JULY-19TH AUGUST

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
July	23	24	25	26	27	28	29
		Olympic Torch Relay events in West London - rolling road closures	ORN in operation	ORN in operation	ORN in operation Olympic Games opening ceremony	ORN in operation 09.30-14.00 Rowing events at Eton Dorney 08:30-23:00 Badminton events at Wembley Arena 10:00-16:15 Cycling road event - delays on road network in south west London	ORN in operation 09.30-12.00 Rowing events at Eton Dorney 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 south west London
	30	31	1	2	3	4	5
	ORN in operation 09.30-11.00 Rowing events at Eton Dorney 08:30-23:00 Badminton events at Wembley Arena	ORN in operation 09.30 - 13.00 Rowing events at Eton Dorney 19:45-21:45 Football event at Wembley Stadium 08:30-23:00 Badminton events at Wembley Arena	ORN in operation 09.30-11.30 Rowing events at Eton Dorney 17:00 - 19:00 Football event at Wembley Stadium 09:00-21:00 Badminton events at Wembley Arena	ORN in operation 09.30-13.00 Rowing events at Eton Dorney 09:00-20:00 Badminton events at Wembley Arena	ORN in operation 09.30 12.30 Rowing events at Eton Dorney 09:00-17:00 Badminton events at Wembley Arena	ORN in operation 09.30-12.00 Rowing events at Eton Dorney 14:30-16:30 Football event at Wembley Stadium 09:00-17:00 Badminton events at Wembley Arena	ORN in operation 09:00-16:00 Badminton events at Wembley Arena
	6	7	8	9	10	11	12
	ORN in operation 09.30-12.00 Canoe sprint events at Eton Dorney 17:00-19:00 Football event at Wembley Stadium	ORN in operation 09.30-12.00 Canoe sprint events at Eton Dorney 17:00-19:00 Football event at Wembley Stadium	ORN in operation 09.30-11.00 Canoe sprint events at Eton Dorney	ORN in operation 09.30-11.00 Canoe sprint events at Eton Dorney 19:45-22:15 Football event at Wembley Stadium 12:00-16:10 Gymnastics events at Wembley Arena	ORN in operation 09.30-12.00 Canoe sprint events at Eton Dorney 12:00-16:10 Gymnastics events at Wembley Arena	ORN in operation 09.30-11.00 Canoe sprint events at Eton Dorney 15:00-17:30 Football event at Wembley Stadium 13:30-16:05 Gymnastics events at Wembley Arena	ORN in operation 09:30-15:10 Volleyball events at Earl's Court 13:30-15.10 Gymnastics events at Wembley Arena
13	14	15	16	17	18	19	
Peak departure day at Heathrow Airport							

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FIGURE 2.2 PARALYMPIC EVENTS AND SPECIAL ARRANGEMENTS AROUND HILLINGDON - 27TH AUGUST-9TH SEPTEMBER

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Aug/Sept	27	28	29 PRN in operation Paralympic Games opening ceremony	30 PRN in operation	31 PRN in operation 09.30-12.00 Rowing events at Eton Dorney	1 PRN in operation 09.30-12.00 Rowing events at Eton Dorney	2 PRN in operation 09.30-12.30 Rowing events at Eton Dorney
September	3 PRN in operation	4 PRN in operation	5 PRN in operation	6 PRN in operation	7 PRN in operation	8 PRN in operation	9 PRN in operation Paralympic Games closing ceremony

3 Travelling in and Around Hillingdon During the Games

- 3.1 The additional demand on the transport network created by Games related journeys will present significant challenges for London. In Hillingdon, journeys may be affected by the operations of the ORN and PRN, and 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 and PRN will be in effect on the M4 and in neighbouring boroughs to provide safe, secure and efficient access for key Games participants between Central London and the competition venue at Eton Dorney. In Hillingdon the ORN and PRN will only operate on the M4, but in Hounslow the ORN and PRN will operate from the M4 junction along the A4 Great West Road to Hammersmith. Maps showing the detail of the changes to the road network in Hounslow are presented in Figure 3.1 and Figure 3.2. The specific changes in Hounslow, which may have some effect on travel in Hillingdon, are as follows:
- Games Lanes will be operational westbound and eastbound on the Great West Road. Games Lanes will be closed to general traffic and will be reserved for use by accredited Games vehicles only between 6am and 8pm. There will be penalties for vehicles that use the Games Lanes during operational hours.
 - There will be no right turns permitted westbound on Ellesmere Road into Sutton Court Road.
 - There will be no right turns permitted eastbound on Great West Road into Netheravon Road South.
- 3.3 There are no proposed changes to the way in which the M4 operates during its use as part of the ORN/PRN, however a shared bus and Games lane is being considered. If this lane is instated it will only be used on competition dates, and restrictions will be removed as soon as they are no longer required.
- 3.4 The additional traffic on the ORN and PRN and around Heathrow Airport routes will result in some local congestion and displacement of traffic onto alternative routes through Hillingdon.

FIGURE 3.1 OLYMPIC AND PARALYMPIC ROUTE NETWORK - HOUNSLOW, A4 GREAT WEST ROAD

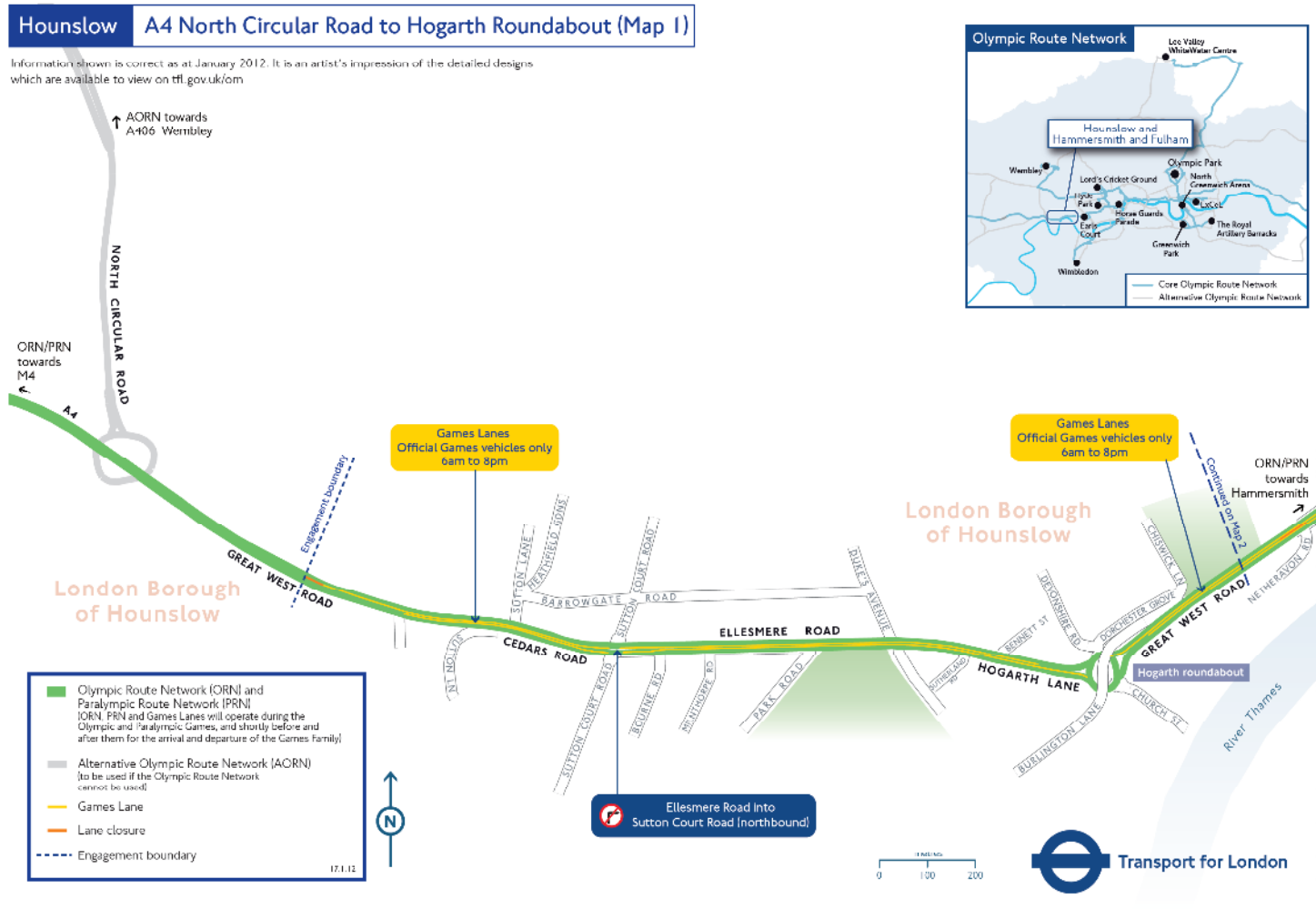
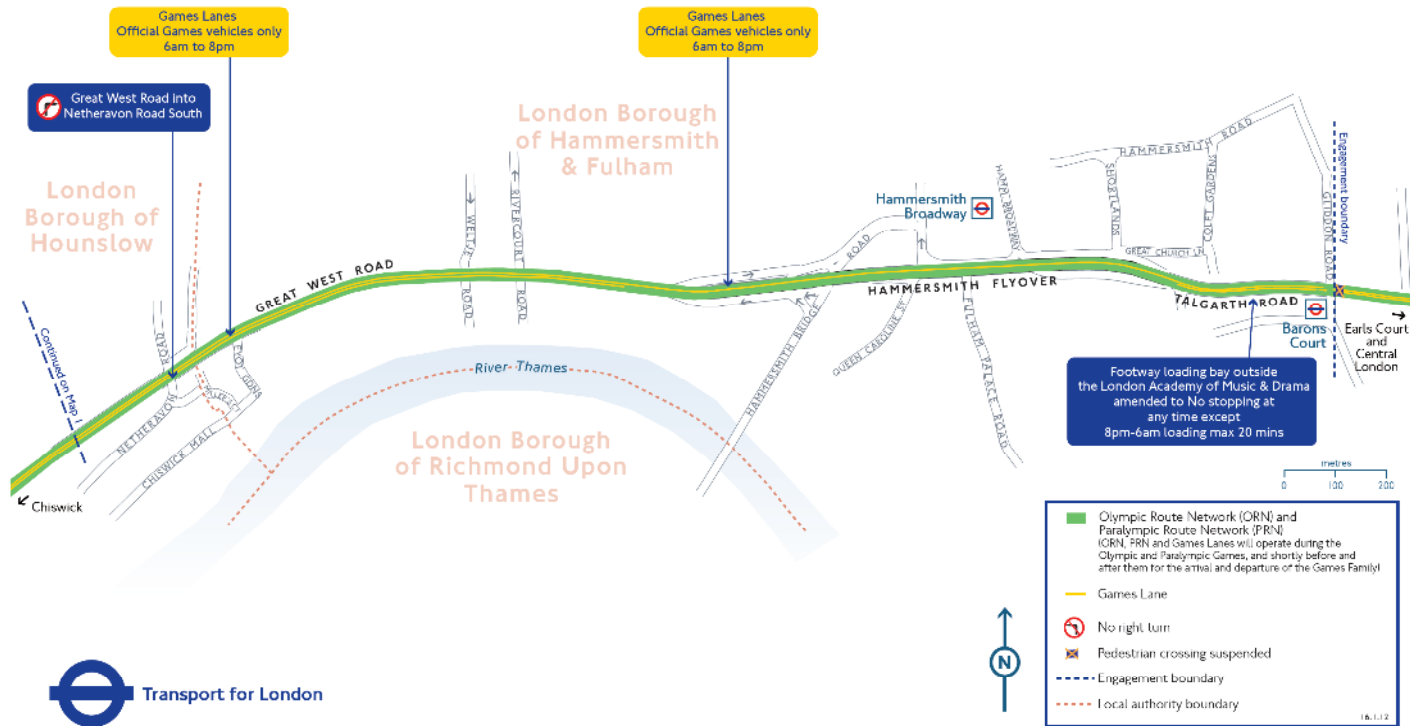


FIGURE 3.2 OLYMPIC AND PARALYMPIC ROUTE NETWORK - HOUNSLOW AND HAMMERSMITH & FULHAM, A4 GREAT WEST ROAD

Hounslow and Hammersmith & Fulham A4 Hogarth Roundabout to Talgarth Road (Map 2)

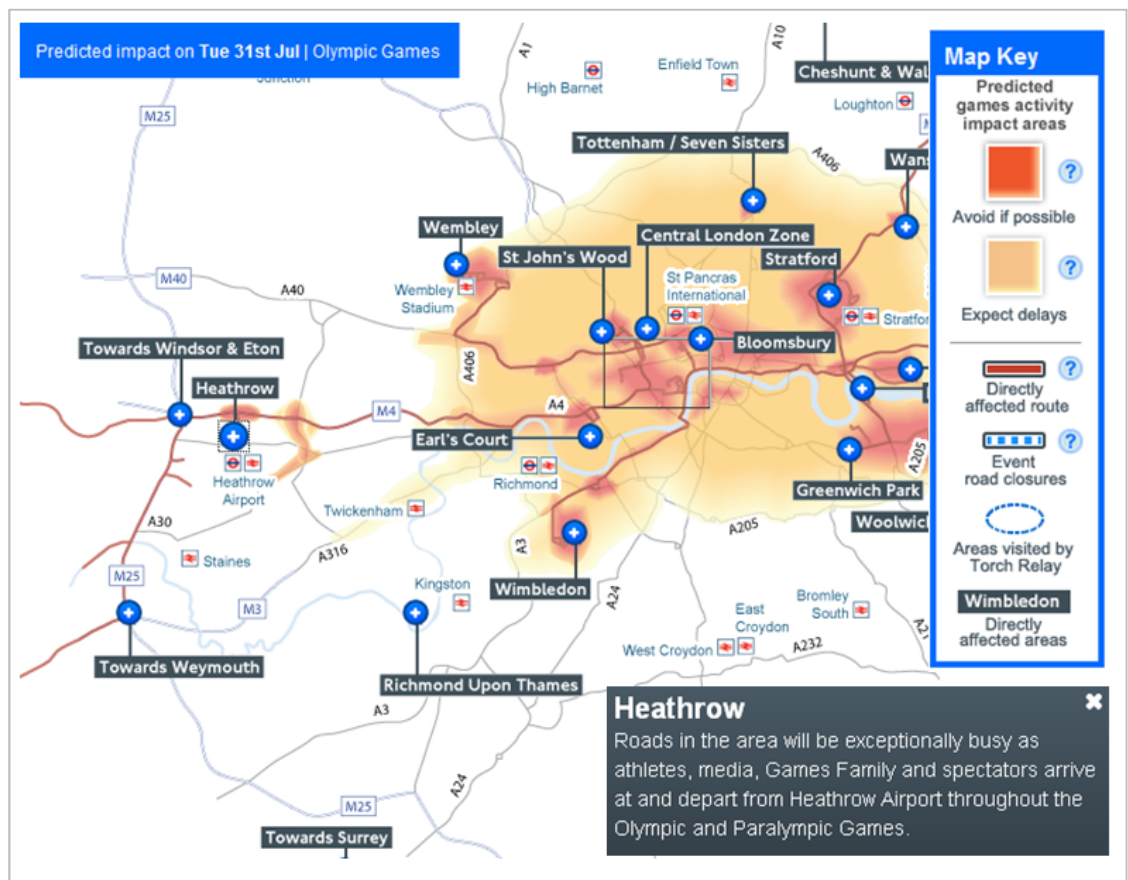
Information shown is correct as at January 2012. It is an artist's impression of the detailed designs which are available to view on tfl.gov.uk/om



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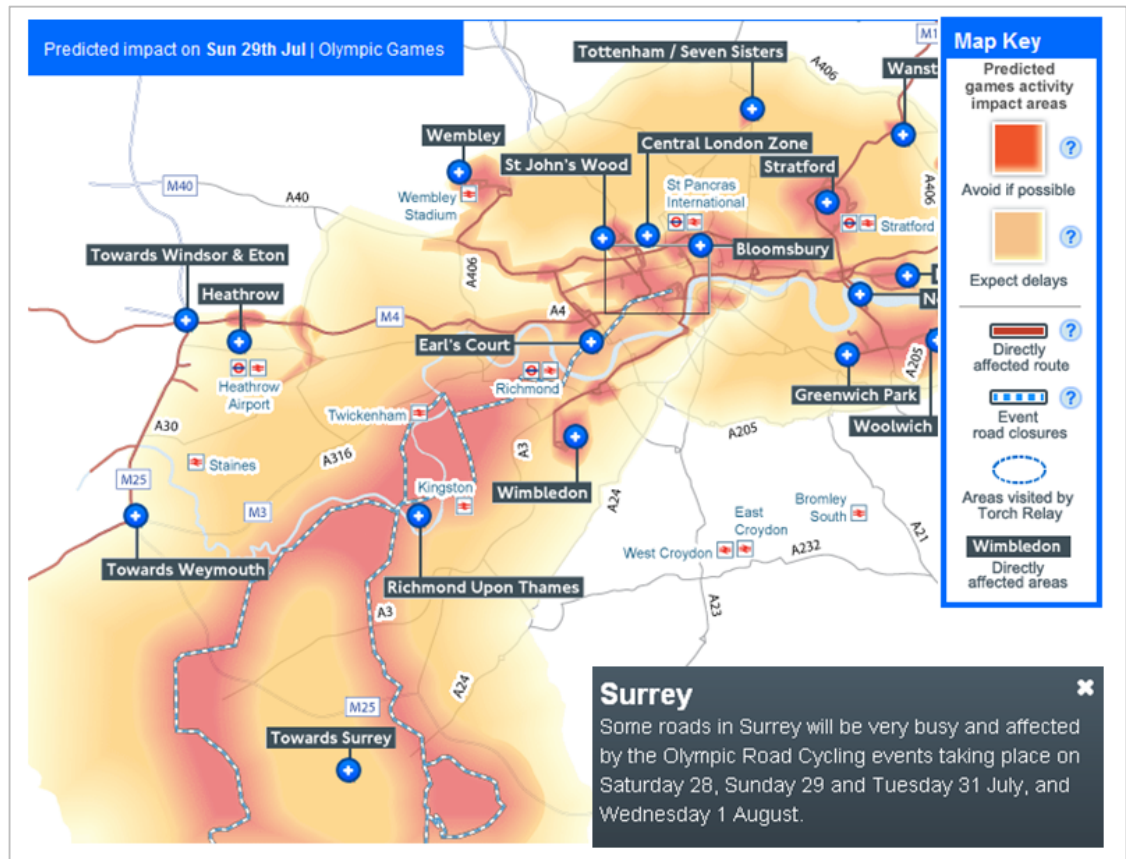
- 3.5 The predicted impact of the Games on London has been modelled to highlight the worst affected areas of the road network. The results of the modelling show that whilst the predicted Games activity impact areas are unlikely to extend as far as Hillingdon, the road network around Heathrow Airport will be particularly busy from Friday 13th July to Wednesday 13th September, with peaks before and after the Games. The impacts for an example day (Tuesday 31st July) are shown in Figure 3.3.
- 3.6 Roads that will be particularly affected include The Parkway (A312), southbound, and The Causeway/Green Lane (A312), northbound.

FIGURE 3.3 PREDICTED IMPACT OF THE GAMES ON THE ROAD NETWORK IN HILLINGDON



- 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 29TH JULY



Freight Movements

- 3.8 The movement of freight will be subject to the same impacts as those experienced by usual traffic on the road network in Hillingdon. Transport for London have developed specific advice for the freight industry regarding Games time operations. This can be accessed at www.tfl.gettingaround/london2012. Case study examples of businesses who have started preparing for the Games can be found at www.tfl.gov.uk/2012freight.

Using Public Transport

- 3.9 Journeys in Hillingdon by public transport will be less affected by the Games than those made in Central London, however some routes and lines are still expected to be busier than usual.

Bus

- 3.10 There are no planned changes to bus routes that operate through Hillingdon, however it is likely that some services during the Games will be subject to delay due to the congestion around Heathrow, and congestion associated with the operations of the ORN/PRN in neighbouring boroughs.

London Underground

- 3.11 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.

Piccadilly Line

- 3.12 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.
- 3.13 The busiest section will be from Earl's Court to King's Cross from 27th July to 12th August, and neither of the sections of the line that serve Hillingdon (including Heathrow Airport) have been highlighted as sections which are likely to be significantly busier than usual.

Metropolitan Line

- 3.14 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.
- 3.15 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.

Central Line

- 3.16 The Central line starts at West Ruislip and serves West Ruislip, Ruislip Gardens and South Ruislip stations in Hillingdon, and this initial section is not expected to be significantly busier than usual. The busiest section will be from Marble Arch to Stratford, and this section will be most affected weekdays from 7-9.30am and 4-7.30pm, and 10pm until the last train.
- 3.17 For passengers who make journeys using the Central line towards Central London, it is advised that, where possible, travel is completed outside of the AM and PM peak periods.

National Rail

- 3.18 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.
- 3.19 First Great Western will run additional late night and early morning services from Paddington during the Olympic and Paralympic Games.
- 3.20 Chiltern Railways services stopping at West Ruislip and South Ruislip stations may operate with an amended timetable on days where competition events are taking place at Wembley. Passengers should visit [Chiltern Railways](#) for detailed information.

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Busy Interchange Stations

- 3.21 Journeys made to and from Central London from Hillingdon may be affected as many of the key interchange stations for services into Central London from Hillingdon will be very busy. The details of the affected stations relevant to Hillingdon services are as follows:
- **Bond Street Underground station** (interchange point for passengers using the Central 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.
 - **Baker Street Underground station** (interchange point for passengers using the Metropolitan line): 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.
 - **Marylebone Rail and Underground station** (interchange point for passengers travelling to/from Hillingdon 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.
 - **Paddington Rail station** (National Rail services to and from Hillingdon): this station will be busier than usual throughout the Olympic and Paralympic Games as it will be a key interchange station for spectators. Spectators will also be using the station to travel to and from events at Eton Dorney.

- The station is expected to be busiest between 7.00 and 9.00am on weekdays, 12.30-3.00pm on Sunday 29th and Monday 30th July, and Monday 6th to Sunday 11th August, and 2.30-5.00pm on Saturday 28th and Tuesday 31st July, and Wednesday 1st to Saturday 4th August.
- **Paddington Underground station** (interchange point for passengers using National Rail services to and from Hillingdon): 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.
- **Green Park Underground station** (interchange point for passengers using the Piccadilly line): this station will be exceptionally busy throughout the Olympic Games as it will be a key access point for events in Hyde Park and other Central London Games venues.
 - The station is expected to be busiest between 5.50-8pm throughout the Olympic Games, and between 1-5pm on Saturday 28th and Sunday 29th July, between 2.30-7.30pm on Wednesday 1st August. Passengers may have to wait more than 30 minutes to board a service during these times.
 - The station will also be particularly busy on Saturday 4th August, between 6-9.30pm on Wednesday 8th August, and between 12.30-3pm and 5.50-6.30pm on Saturday 11th August.
 - During the Paralympic Games, the station will be busier than usual in the evening weekday peak from 5.30-7pm.

Travelling through Central London

- 3.22 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 Hillingdon and throughout London during the Games, disruption can be avoided by implemented the 'four Rs':
- **Reducing** the need to travel;
 - **Retiming** journeys to avoid peak times and restrictions;
 - **Rerouting** journeys; or
 - **Revising** the mode of transport used.
- 4.4 For individuals, it is advised that essential journeys during the Games are planned in advance using the information at www.getaheadofthegames.com.
- 4.5 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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