**Briefing Note**

Proposed Video Survey Routes to Palestra, Blackfriars Road, London - TfL Emissions - Motorcycles Study

**Transport for London**

**BRIEFING NOTE**

**PROPOSED VIDEO SURVEY ROUTES TO PALESTRA – TfL EMISSIONS – MOTORCYCLES STUDY**

1.1 **Selected Survey Routes**

1.1.1 Each of the routes was chosen for the percentage of their lengths with inbound bus lanes that the Metropolitan Police Powered Two Wheeler PTW rider(s) can use for the video surveying.

1.1.2 The routes proposed by TfL’s Motorcycle Policy Unit were surveyed by Local Transport Projects Ltd using Google Maps and a TfL-scaled drawing of Greater London to record lengths of bus lane on the routes. Inbound bus lanes cover a third of the lengths of most of the selected routes.

1.1.3 The routes to be surveyed, total bus lane lengths, and the recommended survey order and date(s) are shown in the table below. All survey routes are to finish at Palestra, 197 Blackfriars Road, London SE1 8NJ.

**Routes to be surveyed January 19th to January 28th 2010**

<table>
<thead>
<tr>
<th>Survey Priority</th>
<th>Route</th>
<th>Start Point</th>
<th>Total Route Length (KM)</th>
<th>Total Length of Inbound Bus Lanes (KM)</th>
<th>% of Route with Bus Lanes</th>
<th>Proposed survey date(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>A1 Archway Road</td>
<td>8.7</td>
<td>3.75</td>
<td>43</td>
<td>19/01/10</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>A41 Hendon Way</td>
<td>18.25</td>
<td>6.8</td>
<td>37.3</td>
<td>20/01/10</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>A21 Bromley Common</td>
<td>23.6</td>
<td>8.35</td>
<td>35.4</td>
<td>21/01/10</td>
</tr>
<tr>
<td>4</td>
<td>9</td>
<td>A3 Roehampton Vale</td>
<td>17.5</td>
<td>5.65</td>
<td>32.3</td>
<td>26/01/10</td>
</tr>
<tr>
<td>5</td>
<td>3</td>
<td>A10 Great Cambridge Road</td>
<td>24</td>
<td>7.15</td>
<td>29.8</td>
<td>27/01/10</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>A10 Great Cambridge Road</td>
<td>17</td>
<td>5.05</td>
<td>29.7</td>
<td>28/01/10</td>
</tr>
</tbody>
</table>

1.2 **Reserve Routes**

1.2.1 Ten routes were originally proposed but we believe that the above six will provide the best comparisons of journey times and emissions of PTWs in bus lanes with a PTW and car in general traffic lanes. In addition to these prioritised routes, it is recommended that the following routes are considered as reserves should any of the preferred six prove impossible through planned road-works or other complications.

**Reserve Routes which could be surveyed January 19th to January 28th 2010**

<table>
<thead>
<tr>
<th>Survey Priority</th>
<th>Route</th>
<th>Start Point</th>
<th>Inbound Route Length (KM)</th>
<th>Total Length of Inbound Bus Lanes (KM)</th>
<th>% of Route with Bus Lanes</th>
<th>Proposed survey date(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>5</td>
<td>A205 Grand Depot Rd</td>
<td>19</td>
<td>5.05</td>
<td>26.6</td>
<td>TBA</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>A297 St Helier Avenue</td>
<td>16.6</td>
<td>4.3</td>
<td>26</td>
<td>TBA</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>A13 Alfred’s Way</td>
<td>17.14</td>
<td>4.0</td>
<td>23.3</td>
<td>TBA</td>
</tr>
<tr>
<td>10</td>
<td>7</td>
<td>A23 Brighton Road</td>
<td>27.67</td>
<td>3.55</td>
<td>12.8</td>
<td>TBA</td>
</tr>
</tbody>
</table>
1.2.2 With between 12.8% and 26.6% bus lane coverage, these routes are unlikely to provide as effective journey times and emissions comparisons as the selected routes.

1.2.3 Full details of the Initial assessment of the routes, and all of the starting and finishing points and marked enforcement times for each length of bus lane by route can be supplied on request.

1.3 **Selected Survey Route Details**

1.3.1 Lists of the roads on each route and supporting notes are detailed on the following pages.

1.4 **Survey Refinements**

1.4.1 Should there be a requirement to undertake further surveys to verify the findings of this research there are a few improvements that it is recommended could be made before they are undertaken:

- Time must be set aside the day prior to the survey(s) to ensure recording equipment can be checked and substituted if need be;

- Consider the duty start time of Police Officers if the previous day was a day off for them; 06.00 hours. Ideally, the 08.00-09.00 peak hour should be covered during the survey but this means a survey could still start as late as 08.00 hours, until approximately 09.30 hours;

- Police riders/drivers should be briefed by those running the research on each route using a suitably scaled plan, prior to commencement of the first surveys;

- To reduce the likelihood of any wasted survey time due to snow and ice, the months of December, January and February should be avoided;

1.4.2 It must be understood that road works can sometimes cause detours to be made from the proposed route. As previously discussed, this is a normal occurrence on busy urban routes and even traffic management detours should not prevent those surveys from being counted towards average journey times and emission calculations, as long as all survey vehicles experienced the same conditions.

1.4.3 Wherever Police Officers carrying out surveys are required to deal with Road Traffic Accidents, all of the surveys for that route on that day must be abandoned.
1.5 Notes for Metropolitan Police Video Survey Team Members

1.5.1 Route 1: A1 Archway Road to Palestra

Date: Tuesday 19th January 2010

Route Length: 8.7 kilometres

1.5.2 Route to take:

A1 Archway Road (Start at junction with Sheldon Avenue) to
Holloway Road, then south through Highbury Corner, and continue on the A1 to
Upper Street to
Pentonville Road to
Penton Rise to
Kings Cross Rd to
Farringdon Rd to
Farringdon St to
New Bridge St to
Blackfriars Bridge to
Blackfriars Rd and Palestra

1.5.3 Actions for Surveyors

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.5.4 Surveyor’s Notes
1.6 Notes for Metropolitan Police Video Survey Team Members

1.6.1 Route 10: A41 Hendon Way to Palestra

Date: Wednesday 20th January 2010

Route Length: 18.25 kilometres

1.6.2 Route to take:

A41 Hendon Way (Start after the Brent Cross Flyover) to Finchley Road (including Avenue Rd and Adelaide Rd gyratory) to Wellington Road to Park Road to Baker Street to Marylebone Road to Old Marylebone Road to Edgware Road to Marble Arch to Park Lane to Piccadilly Arcade to Duke of Wellington Place to Grosvenor Place to Lower Grosvenor Place to Bressenden Place to Vauxhall Bridge Road to Vauxhall Bridge to Albert Embankment to Lambeth Palace Road to York Road to Stamford Street to Blackfriars Road and Palestra

1.6.3 Actions for Surveyors

- Record mileage at the start and the end of the route.
• Start recording from route start point indicated at 7.30am or as close to that time as possible.

• Only stop the video recording on reaching Palestra.

• All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.6.4 Surveyor’s Notes
1.7 Notes for Metropolitan Police Video Survey Team Members

1.7.1 Route 6: A21 Bromley Common to Palestra

Date: Thursday 21st January 2010

Route Length: 23.6 kilometres

1.7.2 Route to take:

A21 Bromley Common (Start north of junction with Oakley Road and Hastings Road) to
Masons Hill to
Kentish way to
Tweed Road to
London Road to
Bromley Hill to
Bromley Road to
Rushey Green to
Lewisham High Street to
Molesworth Street to
Loampit Vale to
Loampit Hill to
Lewisham Way to
New Cross Road to
Queens Road to
Peckham High Street to
Peckham Road to
Camberwell Church Street to
Camberwell New Road to
Harleyford Street to
Kennington Oval to
Harleyford Road to
South Lambeth Road to* (SEE 1.6.4 NOTES)
Parry Place to
Wandsworth Road to
Albert Embankment to
Lambeth Palace Road to
York Road to
Stamford Street to
Blackfriars Road and Palestra

1.7.3 **Notes on details of the route for the surveyors:**

PTWs using bus lanes could potentially have used the bus / rail / Underground interchange at South Lambeth Place. Instead, all vehicles should use the South Lambeth Road, Parry Place, Wandworth Road route to Albert Embankment.

1.7.4 **Actions for Surveyors**

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.7.5 **Surveyor’s Notes**
1.8 **Notes for Metropolitan Police Video Survey Team Members**

1.8.1 **Route 9: A3 Roehampton Vale to Palestra**

   **Date:** Tuesday 26\textsuperscript{th} January 2010  
   **Route Length:** 17.5 kilometres

1.8.2 **Route to take:**

   A3 Roehampton Vale (*Start past Kingston Vale and junction with Robin Hood Way*) to  
   Kingston Road to  
   Roehampton Lane to  
   Upper Richmond Road to  
   West Hill to  
   Armoury Way to  
   Old York Road to  
   Swandon Way to  
   York Road to  
   Battersea Park Road to  
   Nine Elms Lane to  
   Albert Embankment to  
   Lambeth Palace Road to  
   York Road to  
   Stamford Street to  
   Blackfriars Road and Palestra

1.8.3 **Actions for Surveyors**

   - Record mileage at the start and the end of the route.  
   - Start recording from route start point indicated at 7.30am or as close to that time as possible.  
   - Only stop the video recording on reaching Palestra.  
   - All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.
1.8.4 **Surveyor’s Notes**
1.9 Notes for Metropolitan Police Video Survey Team Members

1.9.1 Route 3: A10 Great Cambridge Road to Palestra

Date: Wednesday 27th January 2010

Route Length: 24 kilometres

1.9.2 Route to take:

A10 Great Cambridge Road (Start at south side of junction with A406 North Circular Road) to

The Roundway to
Lordship Lane to
Bruce Grove to
High Road to * (SEE 1.8.4 NOTES)
Monument Way to
Broad Lane to
High Road to
Seven Sisters Road to
Isledon Road to
Tollington Road to
Camden Road to
Camden Street to
Oakley Square to
Lidlington Place to
Hampstead Road to
Euston Road to
Pentonville Road to
City Road to
Old Street to
Shoreditch High Street to
Norton Folgate to
Bishopsgate to
Gracechurch Street to
London Bridge (King William Street) to
Southwark Street to
Blackfriars Road and Palestra

1.9.3 **Notes on details of the route for the surveyors:**

Though there is a contra-flow segregated busway on High Road between junctions with Monument Way and Broad lane, both PTWs and the car should use the Monument Way and Broad Lane A10 route and should re-join High Road at the junction with Broad Lane. The segregated busway currently looks too narrow to accommodate a filtering PTW and could put the rider and bus drivers/passengers at risk.

1.9.4 **Actions for Surveyors**

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.9.5 **Surveyor’s Notes**
1.10 Notes for Metropolitan Police Video Survey Team Members

1.10.1 Route 2: A10 Great Cambridge Road to Palestra

- **Date:** Thursday 28th January 2010
- **Route Length:** 17 kilometres

1.10.2 Route to take:

A10 Great Cambridge Road *(Start at south side of junction with A406 North Circular Road)* to

- The Roundway to
- Lordship Lane to
- Bruce Grove to
- High Road to * (SEE 1.9.4 NOTES)
- Monument Way to
- Broad Lane to
- High Road to
- Stamford Hill to
- Rectory Road to
- Manse Road to
- Evering Road to
- Stoke Newington Road to
- Kingsland High Street to
- Kingsland Road to
- Shoreditch High Street to
- Norton Folgate to
- Bishopsgate to
- Gracechurch Street to
- London Bridge (King William Street) to
- Southwark Street to
- Blackfriars Road and Palestra
1.10.3 **Notes on details of the route for the surveyors:**

Though there is a contra-flow segregated busway on High Road between junctions with Monument Way and Broad Lane, both PTWs and the car should use the Monument Way and Broad Lane A10 route and should re-join High Road from Broad Lane. The segregated busway looks too narrow to accommodate a filtering PTW and could put the rider and bus drivers/passengers at risk.

1.10.4 **Actions for Surveyors**

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.10.5 **Surveyor’s Notes**
I.11 Notes for Metropolitan Police Video Survey Team Members

1.11.1 Route 5: A205 Grand Depot Road to Palestra

Date: TBA

Route Length: 19 kilometres

1.11.2 Route to take:

A205 Grand Depot Road (Start at junction with John Wilson Street) to

Woolwich Common to

Academy Road to

Well Hall Road to

Westhorne Avenue to

Eltham Road to

Lee High Road to

Loampit Vale to

Loampit Hill to

Lewisham Way to

New Cross Road to * (SEE 1.10.4 NOTES)

Queen’s Road to

Kender Street to

New Cross Road to

Old Kent Road to

New Kent Road to

Elephant and Castle to

St George’s Road to

Westminster Bridge Road to

Blackfriars Road and Palestra

1.11.3 Notes on details of the route for the surveyors:

Articulated bus services still use this route and tend to occupy the entire waiting reservoir on a red signal, at the junction of New Cross Road and Queen’s Road. This will make the manoeuvre hazardous for motorcyclists. All survey vehicles should use the route for general traffic; west down Queens Road, then north up Kender Street, to re-join the A2 New Cross Road again.
1.11.4 **Actions for Surveyors**

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.11.5 **Surveyor’s Notes**
1.12 Notes for Metropolitan Police Video Survey Team Members

1.12.1 Route 8: A297 St Helier Avenue to Palestra

   Date: TBA

   Route Length: 16.6 kilometres

1.12.2 Route to take:

   A297 St Helier Avenue (Start north of the Rosehill Roundabout) to
   Morden Hall Road to
   Morden Road Road to
   Merantum Way to
   Christchurch Road to
   High St Colliers Wood to
   Tooting High Street to
   Upper Tooting Road to
   Balham High Road to
   Balham Hill to
   Clapham Common South Side to
   Clapham High Street to
   Clapham Road to
   Kennington Park Road to
   Newington Butts to
   Elephant and Castle to
   St George’s Road to
   Westminster Bridge Road to
   Blackfriars Road and Palestra
1.12.3 Actions for Surveyors

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.12.4 Surveyor’s Notes
1.13 Notes for Metropolitan Police Video Survey Team Members

1.13.1 Route 4: A13 Alfreds Way to Palestra

Date: Thursday TBA

Route Length: 17.14 kilometres

1.13.2 Route to take:

A13 Alfreds Way (Start to west of junction with A1153 Lodges Avenue) to
Newham Way to
East India Dock Road to
Commercial Road westbound to
Branch Road to
Rotherhithe Tunnel to
Southwark Bridge Road to
Jamaica Road to
Druid Street to
St. Thomas Street to
Southwark Street to
Blackfriars Road and Palestra

1.13.3 Actions for Surveyors

• Record mileage at the start and the end of the route.
• Start recording from route start point indicated at 7.30am or as close to that time as possible.
• Only stop the video recording on reaching Palestra.
• All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.

1.13.4 Surveyor’s Notes
1.14 Notes for Metropolitan Police Video Survey Team Members

1.14.1 Route 7: A23 Brighton Road to Palestra

Date: TBA

Route Length: 27.67 kilometres

1.14.2 Route to take:

A23 Brighton Road (Start at junction with Dean Lane) to
Coulson By-Pass to
Brighton Road to
Purley Way to
Thornton Road to
London Road to
Streatham High Road to
Streatham Hill to
Brixton Hill to
Brixton Road to
Kennington Park Road to
Newington Butts to
Elephant and Castle to
St George’s Road to
Westminster Bridge Road to
Blackfriars Road and Palestra

1.14.3 Actions for Surveyors

- Record mileage at the start and the end of the route.
- Start recording from route start point indicated at 7.30am or as close to that time as possible.
- Only stop the video recording on reaching Palestra.
- All routes should take less than 1 hour 30 mins (length of the survey video tapes). However, if the video finishes prior to reaching Palestra, record the time you have when you arrive at Palestra, and any difference between your time and the video cameras, so we know how long the whole route took to finish.
1.14.4 Surveyor’s Notes