

## **Proposed extension of the Northern line to Battersea**

### **Appendix of 3 consultation leaflets from 2011**

Please note that these leaflets/questionnaires are provided here for information purposes and these consultations are now closed.

#### **Contents**

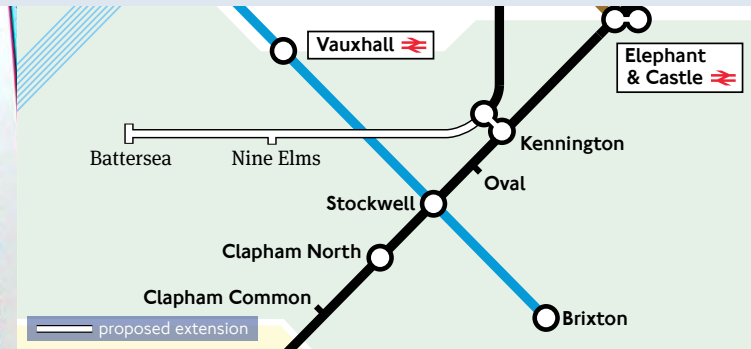
1. Consultation leaflet and questionnaire from May 2011 on route options and options for permanent shafts
2. Consultation leaflet and questionnaire from July 2011 on route options
3. Consultation leaflet and questionnaire from November 2011 on options for temporary worksites.

# Extension of the Northern line to Nine Elms and Battersea

## We would like your views on the proposed extension of the Northern line to Nine Elms and Battersea

In summer 2010 Treasury Holdings wrote to you about options for the route of the extension. We have now done further work on the preferred route. This would extend the Northern line (Charing Cross branch) from Kennington, providing two new stations at Nine Elms and Battersea. Now Transport for London and Treasury Holdings would like to hear your views on the details of the proposed extension.





## The consultation

We'd like to hear your views on the proposed extension of the Northern line from Kennington, which would mean two new Tube stations at Nine Elms and Battersea. This leaflet contains information on the proposed route, station and shaft locations, and on the benefits of the scheme. It also describes how the works will be managed and how local people will be involved in this process.

### Please let us know your views

Attached to this leaflet is a pre-paid questionnaire for you to complete and return to us. **Please respond by 17 June 2011.** This questionnaire can also be completed online:

[www.northernlineextension.com](http://www.northernlineextension.com)

If you prefer, you can contact us by email or by post:

[consultation@northernlineextension.com](mailto:consultation@northernlineextension.com)

**Northern line Project Team**

**188 Kirtling Street**

**London SW8 5BN**

### What are the benefits for this area?

The Tube extension would help to support the regeneration of the Vauxhall Nine Elms Battersea area, which will mean up to 25,000 jobs and 16,000 new homes in the area. It will supplement existing Tube and National Rail stations, as well as the Vauxhall bus interchange. Benefits of the extension include:

- New stations at Nine Elms and Battersea, linked to existing bus routes, will improve access to the Tube network for local people
- Journey times from Battersea to the West End or the City would be less than 15 minutes
- Less pressure on Vauxhall station

Other proposed benefits for this area could include:

- Around 50 acres of new public realm – streets, squares, parkland and a new river walk – will be created, benefiting cyclists and pedestrians
- Improvements to local bus services and National Rail stations
- Two new passenger piers for riverboats and new Barclays Cycle Hire docking stations

### Finding out more about the proposals

During the consultation, there will be a number of public exhibitions about the proposed extension in and around the area. The times and locations are below.

#### **Wednesday 18 May 2011 and Monday 6 June 2011**

12 noon-8pm

Acquire Arts Gallery, 155 Battersea Park Road, London SW8 4BU

#### **Friday 20 and Saturday 21 May 2011**

10am-6pm

The Long Room, The KIA Oval, Kennington, London SE11 5SS

#### **Thursday 26 and Friday 27 May 2011**

10am-6pm

Sainsbury's Nine Elms, 62 Wandsworth Road, London SW8 2LF

## The Questionnaire

We would like to hear your views on the proposals. Please complete the form, fold along the lines, seal along the gummed strip and post.

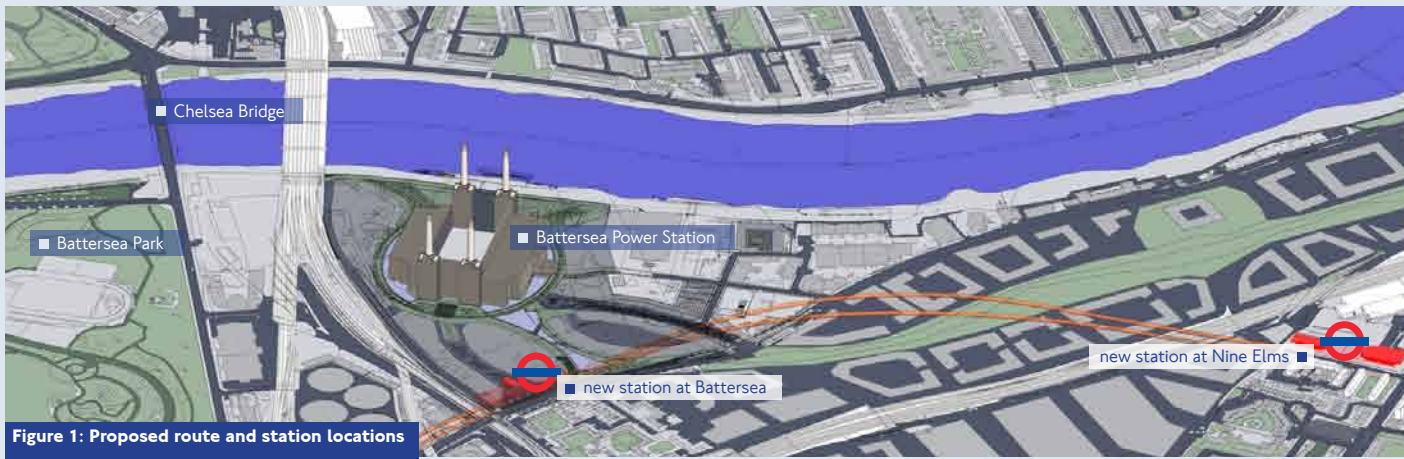


Figure 1: Proposed route and station locations

## About the extension

### What the earlier proposals were

In summer 2010 the public were asked to comment on four possible options for the route of the extension, all of which ran from Kennington to Battersea Power Station. In all cases, two 3km tunnels would need to be constructed. Maps of all four route options as well as more detail on the current proposals are on our website:

[www.northernlineextension.com](http://www.northernlineextension.com)

### The proposed route

In stage 1 of the consultation, we were told that the route via south Nine Elms was the preferred option, as shown in Figure 1 above.

We have been working on the detail of this route. There will be two new stations, one at Battersea Power Station and one in Nine Elms near Sainsbury's supermarket, as shown in Figures 2 and 3.

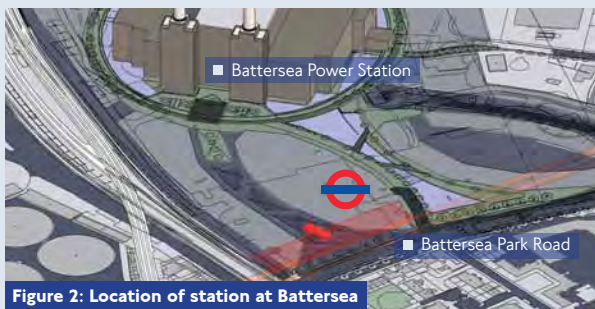


Figure 2: Location of station at Battersea



Figure 3: Location of station at Nine Elms

We have also worked on the positioning of the shafts that are required and these are shown on the next page. Your views on these will help us to do further work on the options.

### Why are the shafts needed?

Shafts are needed for any new underground railway.

There are two types of permanent shaft: ventilation shafts, which allow air in and out of the tunnel and help to cool the Tube; and intervention and ventilation shafts, which also enable access to and from the tunnel if necessary. These shafts are required for the safe operation of the extension.

In addition, we need to put in place temporary construction shafts while the tunnel is built. These would be removed once the construction work is completed and the areas restored to their original state.

Figure 4 shows the proposed locations of all these shafts.

### What are the shaft location options?

One intervention and ventilation shaft is required along the route, ideally located midway between Kennington station and the proposed Nine Elms station. This has meant investigating options in the Claylands Road area, where three possible locations are being considered by our engineers, as shown in Figures 5a to 5c.

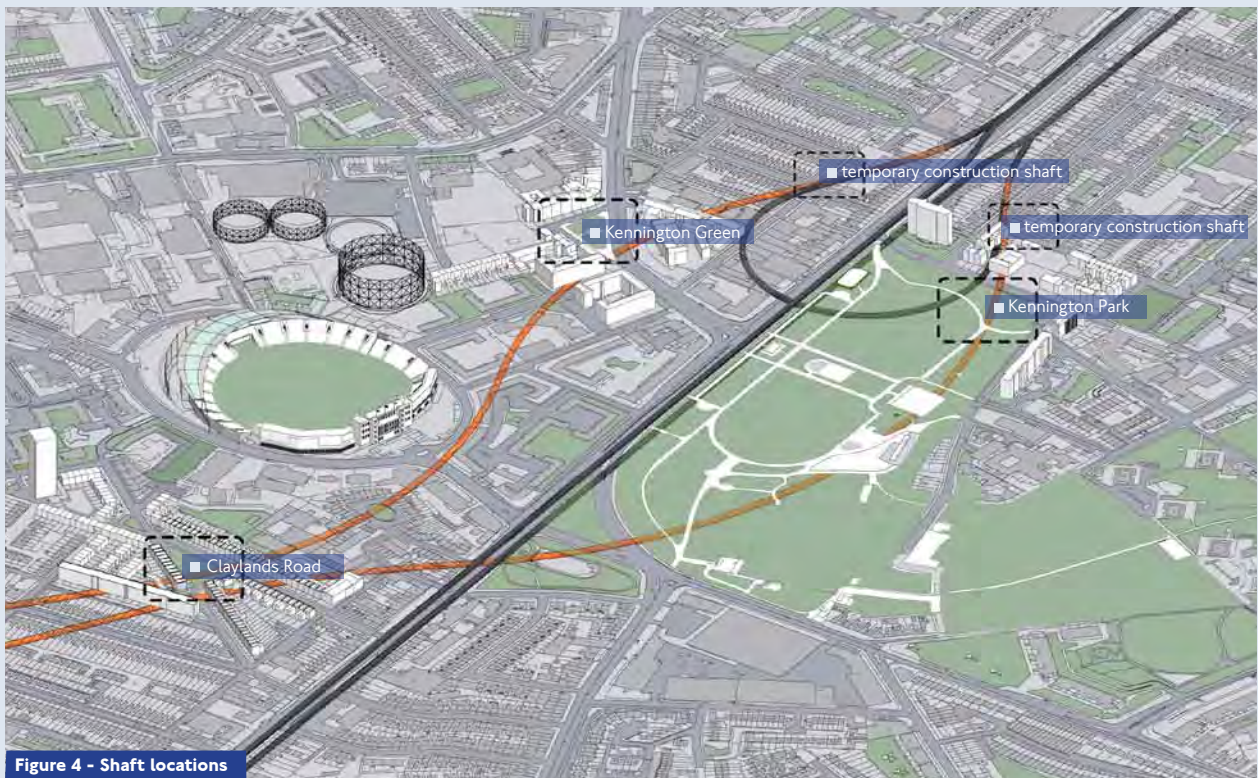


Figure 4 - Shaft locations

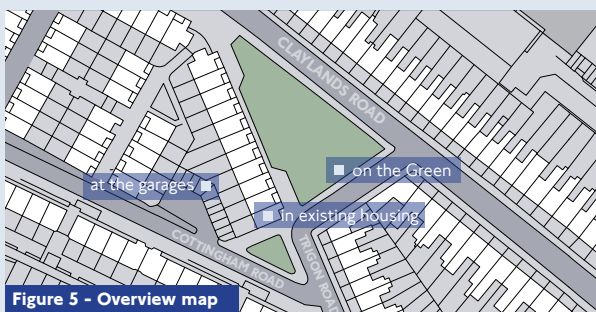


Figure 5 - Overview map



Figure 5b - Claylands Road - at the garages



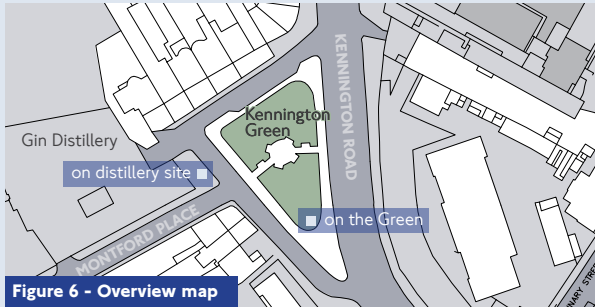
Figure 5a - Claylands Road - in existing housing



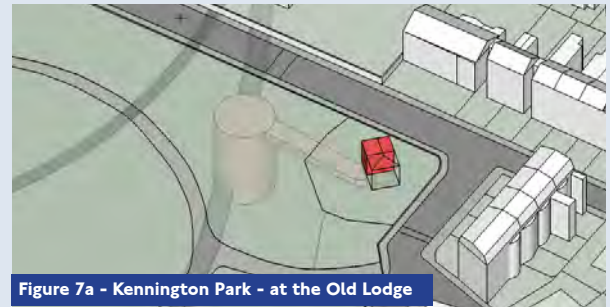
Figure 5c - Claylands Road - on the Green

Two ventilation shafts are also required: one in the vicinity of Kennington Green and one around Kennington Park. For each location two specific site options have been identified.

At Kennington Green, our engineers suggest the shaft could be situated on the Green itself or behind the Beefeater Distillery (Figures 6a and 6b).



At Kennington Park, two options have been identified for the shaft (Figures 7a and 7b).



### During construction

As with any major project, there will be some disruption during construction. The contractor responsible for construction of the extension will be required to operate under a good neighbour policy. This means we will make sure there are minimal impacts from the works on local people and the environment.

For example, control measures will be put in place to manage noise and vibration, and to avoid dust generation from the works. Vehicles and goods going to and from the construction sites will be controlled and local pedestrian access maintained. Site working hours will be in accordance with all relevant borough planning guidelines. No works at surface level will normally be undertaken in the evening or on Sundays and Bank Holidays.

There will be a community liaison manager using regular meetings and newsletters to keep local people informed about the works. As more detail emerges on the temporary construction works, there will be further engagement with people in the area.



## Why are we proposing this?

The Mayor of London has identified the Vauxhall Nine Elms Battersea area as a great location for new housing and jobs. Significant investment and regeneration means new homes, shops, businesses and leisure facilities in the area, as well as the redevelopment of Battersea Power Station and New Covent Garden Market. These new developments are expected to create up to 25,000 new jobs and 16,000 new homes.

Additional public transport is needed to make these new developments happen and to benefit existing residents and businesses. A Tube extension has been identified as the best option here. Previous consultation on the future of Battersea Power Station indicated support for an extension of the Northern line from Kennington, with new stations at Nine Elms and Battersea.

It is proposed that the extension would be paid for by private sector contributions, the first instalment of which has already been committed. In all other respects it would be just like any other part of the Tube, with the same fares and Oystercard accepted.

### Who's involved?

The Mayor of London supports both the extension of the Northern line and the broader regeneration of the area and has asked Transport for London to work with Treasury Holdings, who are managing the project, in consulting you on these proposals. Treasury Holdings are also the development manager for Battersea Power Station, on behalf of the site owners. For the past three years, they have been working closely with Transport

for London, the local councils - the London boroughs of Wandsworth and Lambeth - as well as consulting the public and local groups.

### Next steps

This second consultation builds on the consultation undertaken in summer 2010 on the route options. It is a further stage towards applying to the Secretary of State for Transport for a Transport and Works Act Order (TWAO). This is needed in order to obtain the necessary powers to begin work on new railway infrastructure. Work cannot start on the project until these are in place, and the necessary funding has been secured. The results of this consultation will be available later this year on our website: [www.northernlineextension.com](http://www.northernlineextension.com) Subject to securing a TWAO and all the funding, we would have the go-ahead for the extension in 2013 at the earliest. This means that the new stations at Nine Elms and Battersea could be open in 2017.

### Directly affected properties

This leaflet has been sent to around 40,000 addresses in the area so that everyone can have their say on the proposals. Treasury Holdings have also written to households which are directly affected by the proposals. These include, for example, properties which are above or adjacent to proposed construction. There will be detailed discussions with people directly affected. We also hope that people will respond to the questionnaire. If you think you are directly affected but have not received a letter, please contact the project team on: **020 7501 0676**

**1. Please indicate which of the following most closely matches your view of the proposed extension**

**It will bring transport benefits to the Nine Elms and Battersea area**

- Strongly agree     Agree     Neither agree nor disagree  
 Disagree     Strongly disagree     Don't know

**It will help to bring jobs to the area**

- Strongly agree     Agree     Neither agree nor disagree  
 Disagree     Strongly disagree     Don't know

**2. How often do you think you would use the new stations/extension?**

- 5 or more days a week     3-4 days a week  
 2 days a week     Once a week  
 Once a fortnight     Once a month  
 Every three months     Twice a year  
 Once a year     Less than once a year

**3. We propose to proceed with Route Option 2 (Kennington-Battersea Power Station via south Nine Elms). What do you think of this option?**

- Support Option 2  
 Oppose Option 2  
 No preference

**4. Do you have any other comments on the proposed route?**

**5. What are your preferences for the location of the intervention and ventilation shaft on Claylands Road (see Figures 5a,b,c)? Please tick one only**

- In existing housing     At the garages  
 On the Green     Any of these  
 None of these     No opinion

Please state why you have ticked this box:

**6. What are your preferences for the location of the ventilation shaft at Kennington Green (see Figures 6a and b)?**

**Please tick one only**

- On distillery site     On the Green  
 Either of these     Neither of these  
 No opinion

Please state why you have ticked this box:

**7. What are your preferences with regard to the ventilation shaft at Kennington Park (see Figures 7a and b)? Please tick one only**

- At the Old Lodge     In the park  
 Either of these     Neither of these  
 No opinion

Please state why you have ticked this box:

**8. We intend to make appropriate local improvements around the construction sites. What would you like to see?**

**9. We'd like to have your ideas for station names**

Station at Nine Elms   
Station at Battersea

**10. In what capacity are you responding to the consultation?**

- As an individual  
 As a representative of a business  
 As a representative of a community/voluntary organisation

**11. What is the first part of your home/work postcode? (e.g. SE11 5)**

Home    
Work

P.T.O.

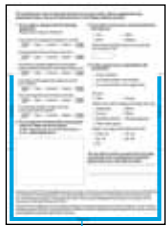


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### Mailing instructions

#### Step 1

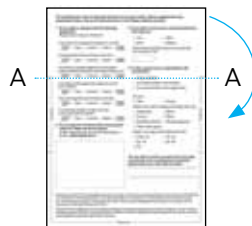
Moisten the gummed area



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#### Step 2

Fold along line A and seal



#### Step 3

Fold along line B and seal



#### Step 4

Place in a post box – there is no need to affix a stamp

Treasury Holdings and their service providers will use your personal information for the purpose of administering this consultation and assessing opinions on the extension. Your personal information will be properly safeguarded and processed in accordance with the requirements of the Data Protection Act 1998.

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Northern line extension Consultation  
Freepost TK218  
32 Upper Ground  
LONDON  
SE1 9YA

#### 12. Are you:

- Male  Female

#### 13. What is your age group:

- Under 16  25-44  65-74  
 16-24  45-64  75+

#### 14. Do you have a mental or physical disability that limits your daily activities or the work you can do, including any issues due to your age?

- Yes  No

#### 15. What is your ethnic background?

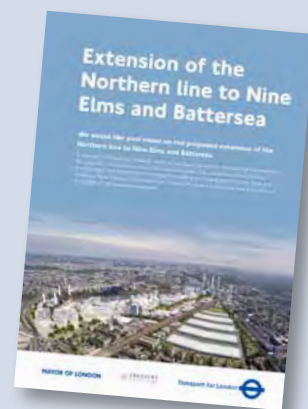
#### 16. Do you have any other comments on the extension? Please use box below.

Thank you for taking the time to complete this questionnaire. Please send it back by 17 June 2011.

# Proposed Extension of the Northern line to Nine Elms and Battersea

## Public Consultation May-June 2011 – Update

In May this year, the three sponsors of the proposal: the Mayor of London, Treasury Holdings and Transport for London (TfL), sent a leaflet to around 40,000 addresses in this area. This provided information about the current preferred route of the proposed extension of the Northern line and included a questionnaire for respondents to complete with their views on the scheme.



We have received a high level of response to this consultation and thank you for the comments made so far.

During this consultation some people have said that they didn't have an opportunity to comment previously on all of the route options and would now like to do so. In response to this request, we are providing more information on the route options that have been considered and extending the consultation period to 10 August 2011 to allow further time for comment on the route options and on the May 2011 leaflet.

The maps over the page show details of all four route options that have been considered, including the current preferred Route 2.

You can comment on the route options by:

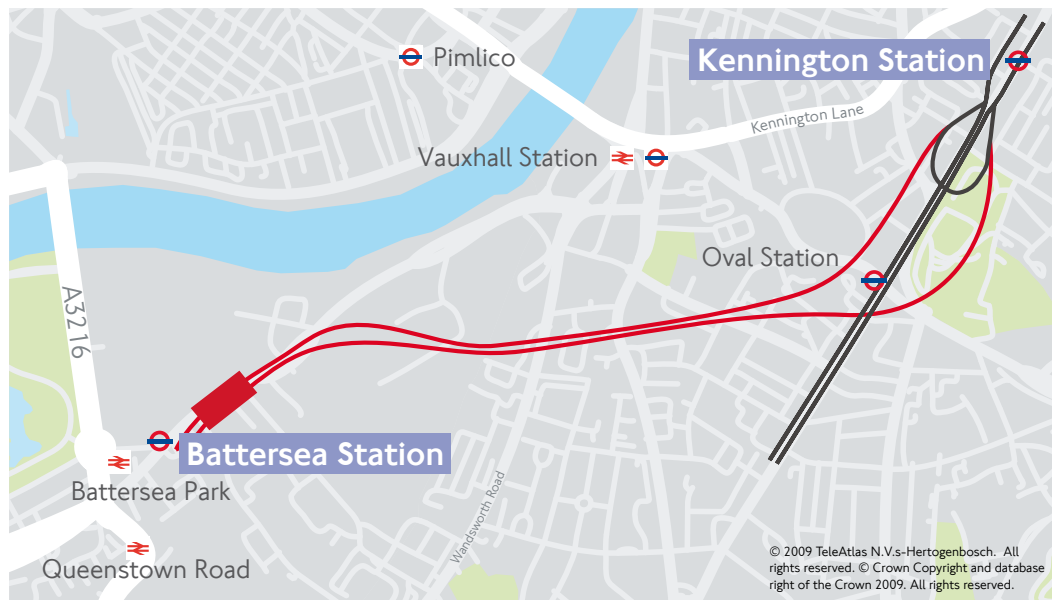
- completing the attached questionnaire, which can also be filled in online at [www.northernlineextension.com](http://www.northernlineextension.com) or
- emailing your comments to [consultation@northernlineextension.com](mailto:consultation@northernlineextension.com)



## Route Options

The plans show the four route options, which were first consulted on in summer 2010. All four routes involve two new tunnels to extend the Northern line from Kennington to Battersea.

Each option would require the construction of some temporary and permanent shafts for ventilation and access to the tunnels, as would be the case for any new underground railway.



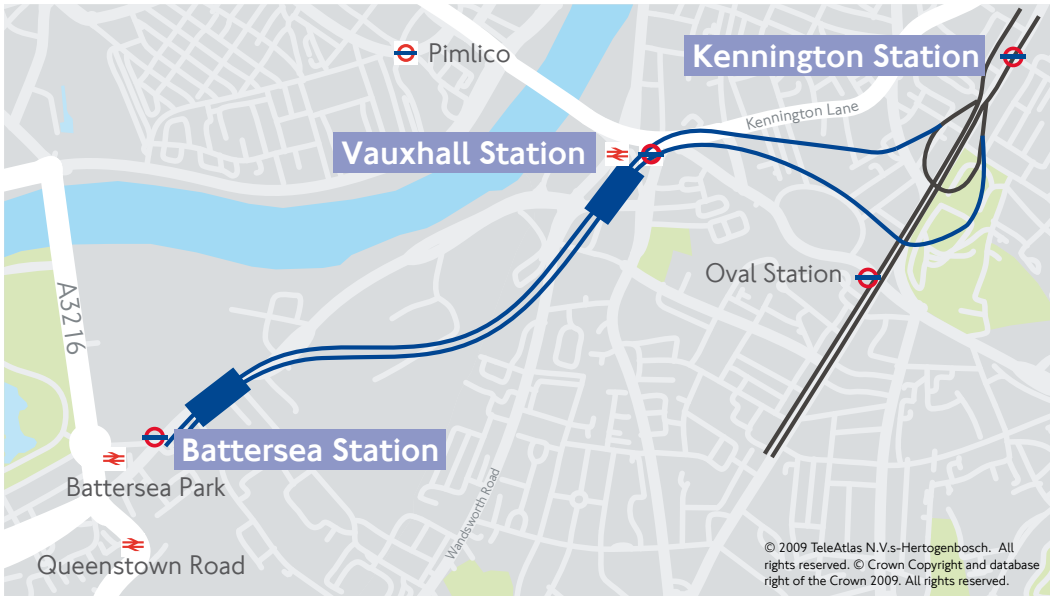
### Route 1: Kennington – Battersea Power Station (direct)

This option would cost the least and be the easiest to build as there would only be one station at the end of the line. Since there is no intermediate station there would be no direct benefits to the people living around Nine Elms, Wandsworth Road and south Lambeth.



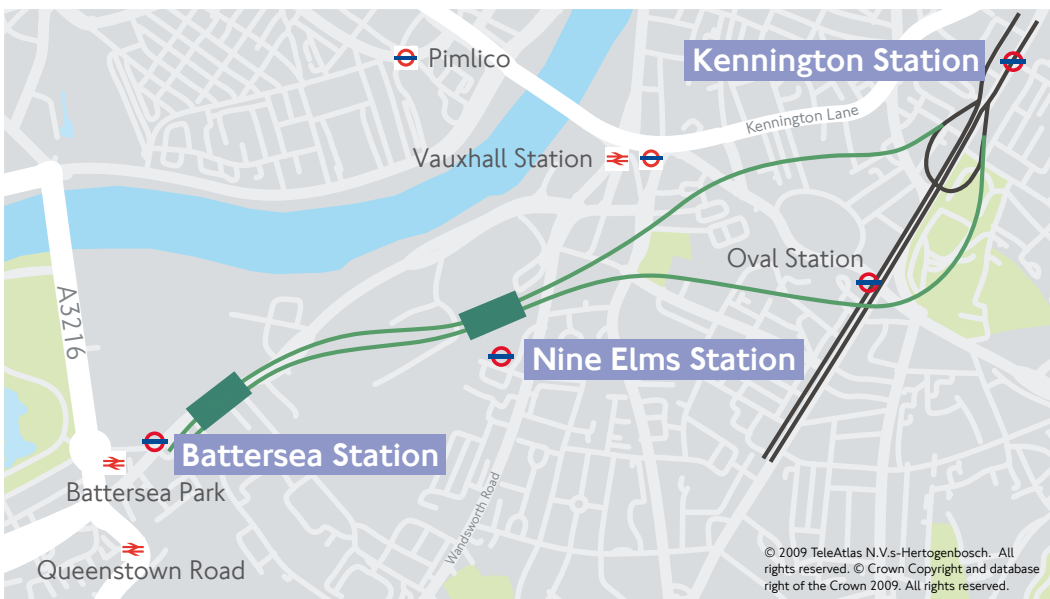
### Route 2: Kennington – Battersea Power Station (via south Nine Elms)

This option would include an additional station in the Nine Elms area in the vicinity of Wandsworth Road. It would improve accessibility for people living around Nine Elms, Wandsworth Road and south Lambeth and help relieve pressure at Vauxhall station and on the Victoria line.



**Route 3: Kennington – Battersea Power Station (via Vauxhall Station)**

This option would connect directly to bus, Underground and National Rail services at Vauxhall. However, its proximity to Vauxhall station would also make it the most difficult and expensive option to construct, and would increase pressure at Vauxhall station and on the Victoria Line.



**Route 4: Kennington – Battersea Power Station (via north Nine Elms)**

This option would include a station to the north of the existing railway viaduct, which would serve the Nine Elms development area but be less accessible to communities along Wandsworth Road and south Lambeth than Route 2. It would also be more costly and difficult to construct than Route 2 because of its proximity to the viaduct.

**Route 2** is currently the preferred option because it offers the most benefits, however, no formal decision on this has yet been taken and your views will be considered. The provisional detailed technical appraisal of route options is available on the project website [www.northernlineextension.com](http://www.northernlineextension.com)

If you would like more information on any of the route options, please see the project website, come to an event or contact the project team on **0207 501 0676**.



## What happens next?

We will be holding three further public exhibitions about the proposed extension, including route options:

**Wednesday 6 July**, 12 noon - 8pm,  
the Long Room, KIA Oval, London SE11 5SS

**Thursday 7 July**, 12 noon - 6pm,  
Sainsbury's Nine Elms, 62 Wandsworth Road, London SW8 2LF

**Friday 8 July**, 1pm - 7pm,  
Battersea Park Station, Battersea Park Road, London SW8 4LJ

All comments we receive during this consultation and earlier consultations will inform the final appraisal of route options and decision-making process for the development of the proposed extension.

We will review our route option appraisal and report later on in the year on the results of the consultation and an update on the route to be taken forward. Further consultation will be carried out on the preferred route in due course.



Thank you for your interest to date and if you have any questions please call the project team on 020 7501 0676 or email [consultation@northernlineextension.com](mailto:consultation@northernlineextension.com)

Please return the attached questionnaire by 10 August 2011



**1. Please indicate which of the following most closely matches your view of the proposed extension**

**It will bring transport benefits to the Nine Elms and Battersea area**

- Strongly agree     Agree     Neither agree nor disagree  
 Disagree     Strongly disagree     Don't know

**2. Which route option do you prefer for the proposed extension to the Northern line?**

- Route option 1     Route option 2     Route option 3  
 Route option 4     None of these route options     No preference

**3. Do you have any comments on Route 1?**

**4. Do you have any comments on Route 2?**

**5. Do you have any comments on Route 3?**

**6. Do you have any comments on Route 4?**

**7. Do you have any other comments?**

**8. In what capacity are you responding to the consultation?**

- As an individual  
 As a representative of a business  
 As a representative of a community/voluntary organisation

**9. What is the first part of your home/work postcode?**

Home   

Work   

**10. Are you:**

- Male     Female

**11. What is your age group?**

- Under 16     25-44     65-74  
 16-24     45-64     75+

**12. Do you have a mental or physical disability that limits your daily activities or the work you can do, including any issues due to your age?**

- Yes     No

**13. What is your ethnic background?**

**14. Have you already responded to a consultation on these proposals? (tick as many as apply)**

- No, never  
 Yes, in summer 2010  
 Yes, in May/June 2011  
 Not sure/don't know

P.T.O.

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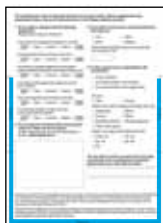
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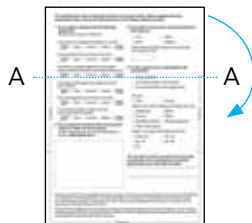
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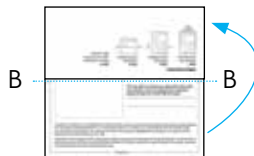
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#### Step 3

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#### Step 4

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**15. If you have already responded, has this leaflet on route options changed your views?**

No

Yes

if yes, how?

Thank you for taking the time to complete this questionnaire.

Please send it back by **10 August 2011**.

## Further Information

We will be holding a public exhibition for you to find out more about the temporary ground treatment works on the following date:

**Tuesday 11th October, 7pm,**  
Durning Library, 167 Kennington Lane

Alternatively, to read further information on the selection of worksites please visit our website [www.northernlineextension.com](http://www.northernlineextension.com). Please call the project team on **020 7501 0676** if you would like to ask any questions.

You can comment on these works by:

- completing the attached questionnaire, which can also be filled in online at [www.northernlineextension.com](http://www.northernlineextension.com) or
- emailing your comments to [consultation@northernlineextension.com](mailto:consultation@northernlineextension.com)

Please let us have your views by **Friday 11 November 2011.**

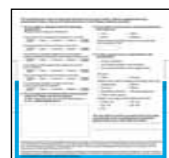
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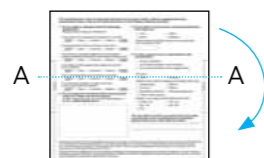
## Mailing instructions

**Step 1**  
Moisten the gummed area



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**Step 2**  
Fold along line A and seal



**Step 3**  
Place in a post box – there is no need to affix a stamp

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# Proposed Northern line extension to Battersea

## We would like your views on the location of temporary worksites in your area

Earlier this year we consulted you on the proposed extension of the Northern line to Battersea via Nine Elms. What you told us, along with other work on the engineering and other aspects of the proposals, is now being considered by TfL and the developer, Treasury Holdings. We will report to you on the results and our preferred route for the future by the end of this year.

All of the route options will require temporary work to prepare for the connection of the extension to the existing tunnels at Kennington. In your area, we would need to undertake work around De Laune Street and Radcot Street. We intend to start this work in 2014 and would like your views on the location of these temporary worksites. Although this is some time away, we need to start planning this process now in order to manage the work effectively. You can comment on these works by:

- completing the attached questionnaire, which can also be filled in online at [www.northernlineextension.com](http://www.northernlineextension.com) or
- emailing your comments to [consultation@northernlineextension.com](mailto:consultation@northernlineextension.com)

Please let us have your views by **Friday 11 November 2011.**

### Why are these temporary worksites needed?

The work we need to do would allow the future construction of a junction to connect the extension to each of the existing Northern line tunnels close to Kennington. We first of all need to stabilise the ground in the area so that the buildings above are protected from settlement. These are called 'ground treatment works', and would need to be done at each of the two points where the extension would connect to the Underground line below ground.

The Northern line and Kennington station would continue to operate as usual.

### What ground treatment works are proposed?

The work we propose to undertake involves the injection of a cement / water mix into the subsoil where the tunnel connection works will take place. This cement then hardens to support the soil and so protects the surface land and properties. To do this, we need to excavate a temporary shaft of 5-6 metres in diameter from the surface down to around 25 metres below ground, at each site. Around each shaft, we will need to have a worksite of around 30-35 metres long by around 6 metres wide for deliveries, storage and general works use.



MAYOR OF LONDON

TREASURY HOLDINGS

Transport for London





## The potential locations for the worksites

The locations shown below have been developed in discussion with local residents during the recent consultation. All of these options are feasible.

The results of this consultation together with further technical work will inform the decision on the preferred worksites.

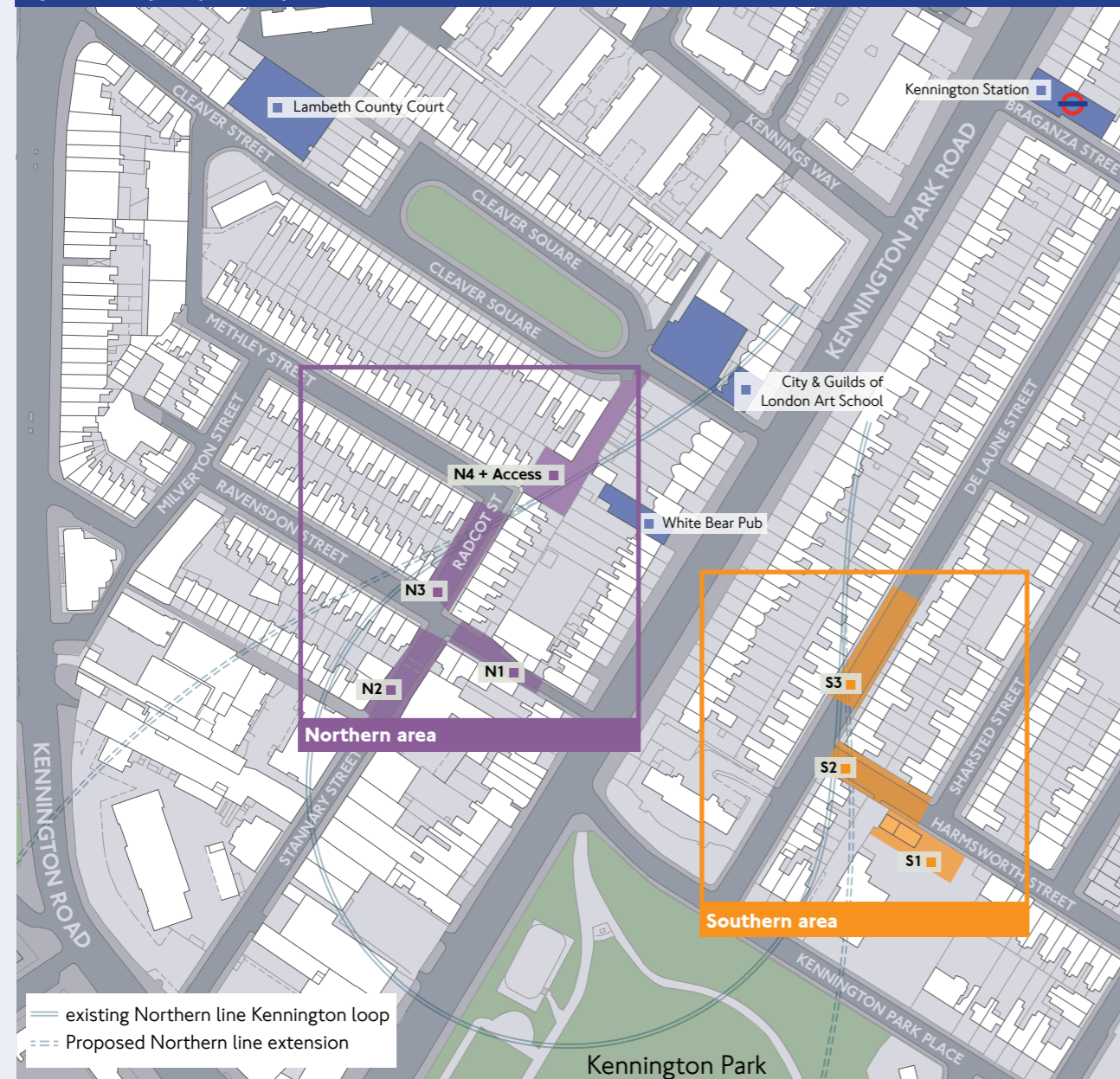
### Northern area

We need one worksite in this area, and have identified four possible locations (N1, N2, N3 and N4) as shown in Figure 1 below.

### Southern area

We need one worksite in this area, and have identified three possible locations (S1, S2 and S3), as shown in Figure 1 below.

Figure 1 - Temporary shaft options



## During construction

The works undertaken at these sites will be regulated by a Code of Construction Practice which is agreed with the local authority. The Code would require us to manage the impact of the works locally, and could include provisions concerning construction noise, vibration, dust, diversions, dirt on highways, and working hours.

Work sites located on a road would use the whole width of the road, which would be closed to traffic for the duration of the works and diversionary routes and parking suspensions put in place.

There will be construction activity around the sites including traffic to remove excavated material and deliver site supplies. We estimate the work to take between 18 months to two years, although work will not take place every day during this time.

## What about when it's finished?

There will be no detrimental long term impact in the local area as a result of the temporary works. Once the works are completed the shafts will be filled and the land restored to how it was before. All the construction is below ground and there will be no new structures visible in the street.

**1. What are your preferences for the location of the temporary worksite in the Northern area (see Figure 1)?** Please tick one only

- N1 Ravensdon Street
- N2 Stannary Street
- N3 Radcot Street
- N4 White Bear pub garden plus access route to Cleaver Square
- Any of these
- None of these
- No opinion

**2. What are your preferences for the location of the temporary worksite in the Southern area (see Figure 1)?** Please tick one only

- S1 Bishops House Children's Centre
- S2 Harmsworth Street
- S3 De Laune Street
- Any of these
- None of these
- No opinion

**3. Do you have any other comments?**

**4. In what capacity are you responding to the consultation?**

- As an individual
- As a representative of a business
- As a representative of a community/voluntary organisation

**5. What is your home/work postcode?**

Home

Work

**6. Are you:**

- Male
- Female

**7. What is your age group?**

- Under 16
- 16-24
- 25-44
- 45-64
- 65-74
- 75+

**8. Do you have a mental or physical disability that limits your daily activities or the work you can do, including any issues due to your age?**

- Yes
- No

**9. What is your ethnic background?**

Thank you for taking the time to complete this questionnaire.

Please send it back by

**Friday 11 November 2011.**