



What is Crossrail?



Crossrail is an ambitious plan to deliver a major new rail service for London and the South East.

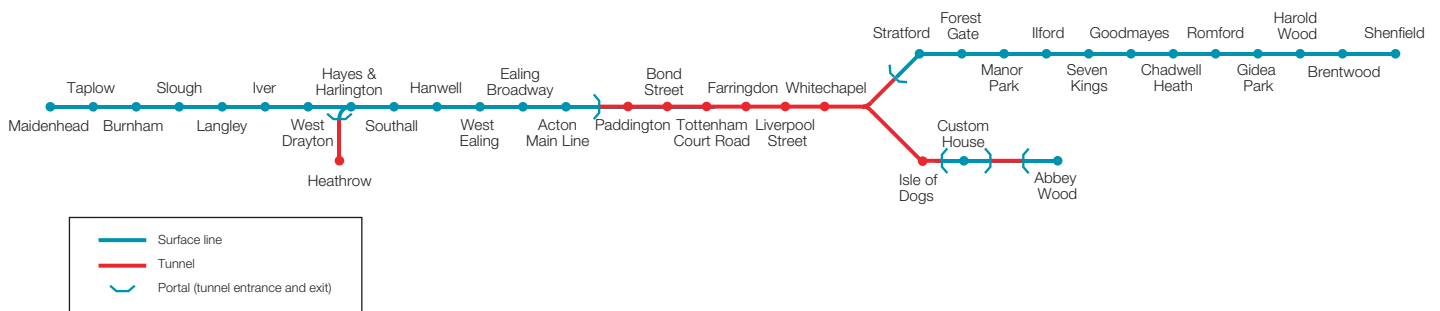
It will provide easier, quicker and more direct travel opportunities across the capital via new lines in tunnels.

Crowding on many existing tube and rail routes will be eased. Construction is planned to start in 2007 and the first trains could be running by 2013.

Crossrail will have a direct and beneficial impact on the lives of Londoners.

As well as easing many of London's transport headaches, it will encourage regeneration, improve social inclusion and provide thousands of job opportunities. Crossrail is a key part of London's plan for growth over the years ahead.

Crossrail line 1 – Route Map





Approval



Approval is needed from Parliament to build, operate and maintain the railway. This will be done by Government introducing a 'hybrid Bill' into Parliament which, if approved, would give the necessary powers.

It will involve the preparation of a number of documents that will be handed in or 'deposited' in Parliament including 'Parliamentary Plans and Sections' showing the route, location and levels of the works and 'Environmental Statement' explaining the environmental impact assessment work.

There will be a 'Book of Reference' setting out details of all land and property interests to be temporarily or permanently acquired.

Notices will be sent to the persons listed in the book of Reference advising them of the introduction of the Bill to Parliament and of the proposal to acquire their interests.

The timing of the introduction of the Bill will be announced in public advertisements.

After Second Reading of the Bill in each House of Parliament, Parliament will set up Select committees to consider the detail of the Bill and hear any petitions in support of opposition.

Individuals and organisations who might be affected by the proposals can submit petitions for the consideration of the Committees. Petitions must follow a particular wording and the Houses of Parliament can provide an explanation of the form of a petition on request.

If you think you might be affected by the project and need more information, please call the helpdesk (24-hours, 7-days a week) on 0845 602 3813.

If approved, the Bill will receive 'Royal Assent' and become an 'Act'.

Further detailed design will be necessary. Local authorities will be asked to approve this detail.



A Select Committee scrutinises a transport Bill

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Benefits



The benefits of Crossrail will be:

- Increased rail capacity to, from and across central London
- Better use of existing rail corridors into and out of London
- Reduced crowding into, out of and across London
- Faster journeys
- New direct journey opportunities
- Encouragement of social inclusion
- Support for regeneration and development areas
- Creation of thousands of jobs during the construction and operation of the railway and as a result of knock-on effects to the economy
- Improved integration of transport networks in London and the South-East with connections to nine London Underground lines and many other National Rail services
- Improved international connections
- Improved airport links
- Potential shift from road to rail use leading to improved air quality, energy conservation, reduced road congestion and a reduction in associated road traffic accidents
- New, modern facilities and infrastructure
- Some improvements to the existing environment
- Enhanced value of housing stock and businesses local to station facilities
- Established policies, practices and knowledge for use in promoting other major UK infrastructure projects



Environment



Crossrail is committed to taking care of the environment as set out in our Environmental Policy.

Crossrail seeks to identify likely adverse environmental impacts arising from the design, construction and operation of proposals and to take appropriate action to reduce them.

An Environmental Statement (ES) is being produced to accompany the Bill to Parliament. The ES will report on Environmental Impact Assessment work which has been undertaken in the following subject areas:

- Ecology and natural resource
- Archaeology and historic resource
- Land use, Property and Planning
- Socio-economic
- Traffic and Transport
- Landscape and Visual
- Contaminated land
- Water quality
- Noise and Vibration
- Air quality and Climate Change
- Community

The ES will be available for viewing, along with all other Bill documents, at libraries and other local authority venues when the Bill is submitted. Copies will also be available for purchase at deposit locations and a free non-technical summary of the ES will be available.

The site specific panels describe some of the likely environmental impacts that have been identified and our proposals to mitigate them.



Checking for archeological artefacts

Photograph courtesy of the Museum of London Archaeology Service



Information



This exhibition is part of the public engagement strategy for Crossrail. In Autumn last year we visited locations along the route to explain the proposals in more detail and ask for comments about the scheme.

Our proposals have been developed and we are now ready to submit a Bill in Parliament to authorise the project. This information round is aimed at showing how the project has developed, and explains the approval process.

This display explains the proposals and the benefits for this area, likely impacts of construction and ways of reducing and controlling them.

Please take time to look at the display and ask for assistance from any of the Crossrail staff present.

The following material has been produced to help you understand the proposals:

- Quick Guide to Crossrail
- Crossrail Project Description
- Copies of the information panels
- Information Sheets
- Briefing leaflet in 12 community languages and in large print, on audio tape, or in Braille, available on request

They are available at Information Centres.

They can also be requested as follows:

email: helpdesk@crossrail.co.uk
 website: www.crossrail.co.uk
 helpdesk: 0845 602 3813
 or write to: Crossrail
 FREEPOST NAT6945
 London SW1H 0BR

Please note: All information and design proposals are subject to change and are provided on the understanding that there is no binding commitment on the part of Cross London Rail Links Ltd.



Services



Crossrail proposes a 24 train per hour (peak) service in each direction between Whitechapel and Paddington. Trains would then run over the National Rail network on three branches. The current proposals for peak services on these branches are:

Great Western Corridor

Four trains per hour in each direction between Paddington and Heathrow Airport in addition to the current four trains per hour Heathrow Express service. Four trains per hour in each direction between Maidenhead and Paddington and two further trains between West Drayton and Paddington.

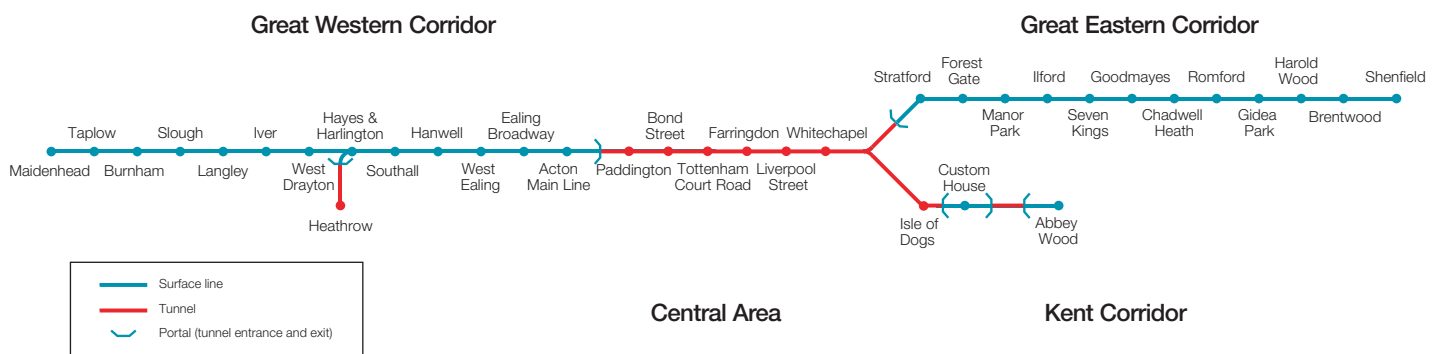
Great Eastern Corridor

12 trains per hour in each direction between Whitechapel and Shenfield, replacing 10 of the current 16 trains per hour provided by the One Great Eastern service, whose remaining six trains would continue serving Liverpool Street.

Kent Corridor

12 trains per hour in each direction between Whitechapel and Abbey Wood serving the Isle of Dogs and Royal Docks.

These proposals could be revised at or after the opening of the new railway.





Construction



Crossrail will be one of the largest civil engineering projects in Europe, creating thousands of jobs during the building phase.

Works will include tunnelling, the creation of new underground platforms and ticket halls at stations in central London and a new depot at Romford. There will also be some important improvements to outlying stations.

Where beneficial, excavated material will be removed by rail or barge to reduce the impact on the environment.

Although most construction will take place underground, new ticket halls, ventilation shafts and emergency access will involve surface works.

A Crossrail Construction Code will be used to ensure that contractors follow best practice guidelines to control their activities.

This will help to ensure that noise, dust and construction traffic in particular are managed properly.

Any complaints will be investigated to ensure that contractors comply with the Code's requirements. Remaining concerns can be raised with an independent Complaints Commissioner.



Integration



Crossrail aims to be part of a fully integrated transport system. A key objective of Crossrail is to create a network of important interchanges, taking into account the part all types of transport play in providing links to and from stations.

Crossrail trains, and the new and remodelled stations, will have access for those with mobility difficulties.

Connections will be possible with nine Underground lines in central London.

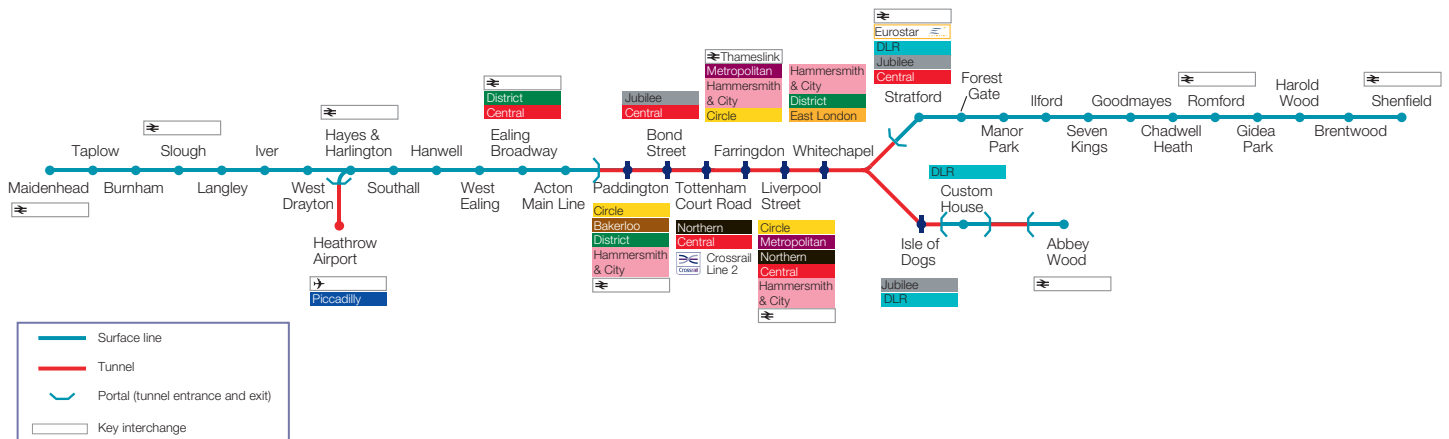
At most proposed Crossrail stations in central London, new or enlarged ticket halls will be built, benefiting users of existing lines as well as Crossrail.

Crossrail will reduce journey times for many passengers by providing a range of direct journey opportunities that currently require an interchange at stations such as Paddington, Liverpool Street and Charing Cross.

Crossrail has assessed the impact of extra demand generated including how those passengers would access stations.

This assessment will form part of the Environmental Statement.

Crossrail line 1 – Route Map





Regeneration



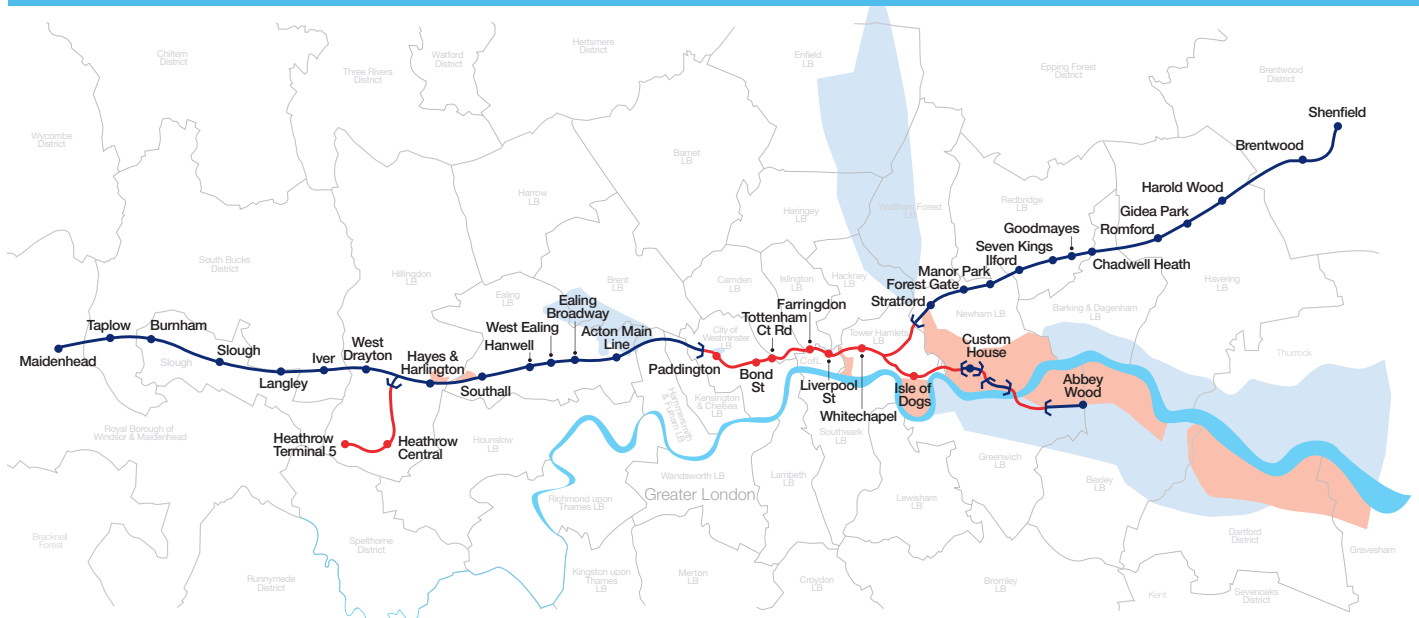
Crossrail will provide a new strategic rail link across London and the South-East between growth and regeneration areas.

Together with other government initiatives, such as housing, training and infrastructure investment, Crossrail will have significant benefits for regeneration areas by:

- Making regeneration areas more accessible
- Improving access to jobs, education and cultural amenities
- Improving the image and perception of regeneration areas

Other Regeneration Areas which benefit from Crossrail
 Regeneration Areas directly served by Crossrail

Regeneration Areas served directly by Crossrail





Crowding



The majority of passengers travelling on Crossrail would have previously used existing London Underground and National Rail services to make their journeys. As passengers begin to transfer to Crossrail, crowding for those remaining passengers will reduce.

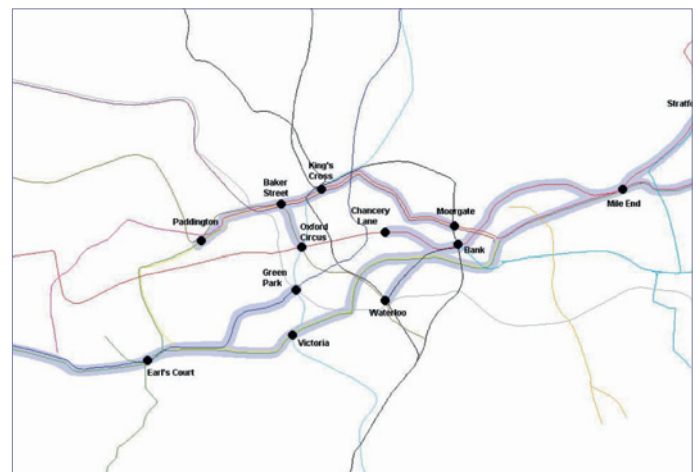
Sections of the London Underground network will have major reductions in crowding as shown by the shaded areas in the diagram below.

On the National Rail network, Crossrail will provide increased train capacity on lines into Liverpool Street and Paddington as well as reducing crowding at:

- Fenchurch Street from east London and Essex
- Charing Cross and Cannon Street from south-east London and north Kent
- Paddington from Berkshire and west London

On the Underground network, Crossrail will reduce crowding on the:

- Central line between Stratford and central London
- District line between Barking and Earl's Court
- Piccadilly line between Northfields and central London
- Bakerloo line between Paddington and Oxford Circus
- Metropolitan, Hammersmith & City and Circle lines between Paddington and the City



London Underground Crowding Reductions with Crossrail (shaded areas)



What is a typical Ventilation Shaft design?

What would the ventilation system do?

To help provide a safe and comfortable environment for passengers, the underground section of Crossrail will incorporate a ventilation system driven by electric fans. These fans will be contained within concrete shafts connecting the tunnels to the atmosphere. The ventilation system will only be brought into use to control smoke in the tunnels in the event of a fire or to provide cooling if trains are held in the tunnel between stations for any reason. At other times ventilation will be provided by the movement of the train through the tunnel.

Shaft equipment

The layout of each intermediate ventilation shaft will vary according to the location, but each would contain:

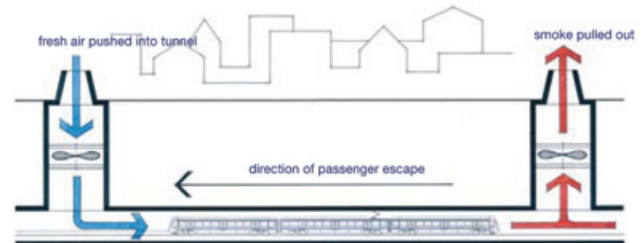
- Three electric fans - all reversible to enable the fan to push or pull air as required. Two fans will operate at any given time with one on standby
- Ventilation control valves (dampers) at tunnel level to direct air into or out of the correct tunnel

- Baffles (noise attenuators) to reduce any noise from fan motors
- An access stair to the tunnels for use by the emergency services
- Equipment necessary to operate the fans will be housed in a structure (usually underground) attached to the shaft and with access from street level

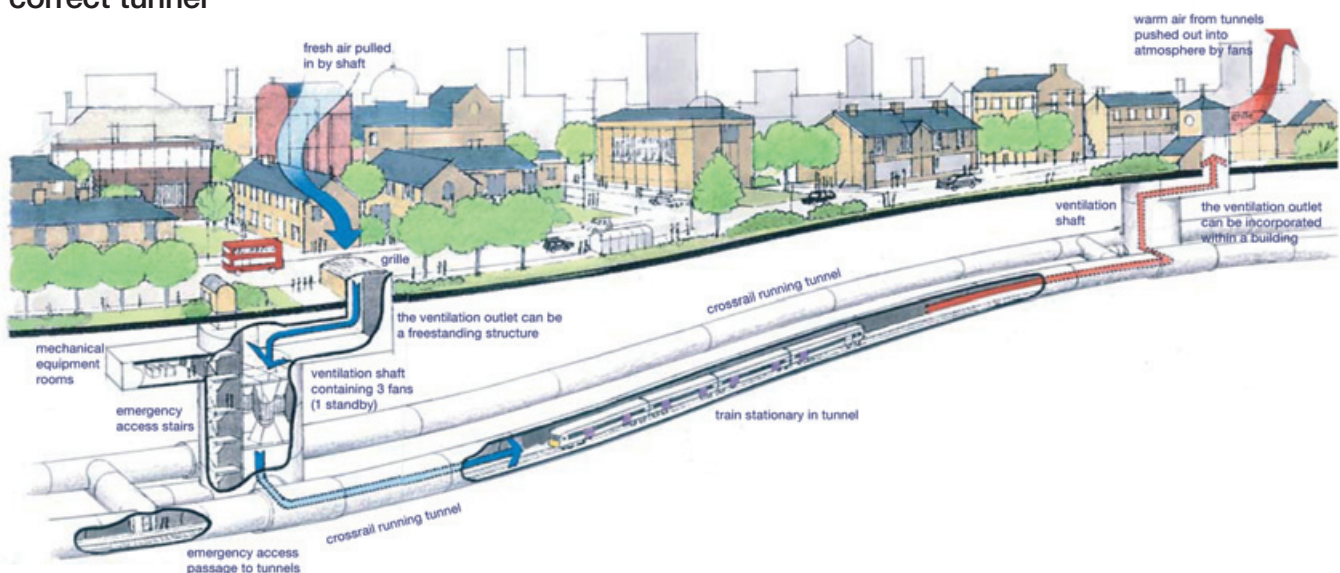
In the event of a fire emergency affecting a train, the fans will be used to control and extract smoke to assist passenger evacuation along the trackside walkway.

Location

Ventilation shafts will be provided at all Crossrail underground stations.



Fans Controlling Smoke in an Emergency



Intermediate Ventilation Shafts: Typical Arrangement (showing fans operating in tandem to cool a stationary train)



Invitation



If you would like information about Crossrail in your language, please contact Crossrail, supplying your name and postal address, and please state the language or format that you require.

आपनि यदि आपनार निजेर भाषाय क्रसरेइल सभके तथ्य जानते चान तहले अनुग्रह करे क्रसरेइलर साथे योगायोग करण । तादरेके आपनार नाम, ठिकाना एवं कोन भाषाय आपनि एटा चाहेन सेटा लिखे जानान ।

Crossrail hakkında kendi dilinizde bilgi almak isterseniz, lütfen Crossrail ile temas kurarak, adınızı ve adresinizle hangi dil veya formatta bilgi istediğinizi bildirin.

Nếu quý vị muốn có tin tức về Crossrail bằng tiếng nói của quý vị, xin liên lạc với Crossrail cho biết tên, địa chỉ liên lạc bằng bưu điện cùng ngôn ngữ và khuôn khổ quý vị yêu cầu.

यदि आपको क्रॉसरेल के बारे में जानकारी अपनी भाषा में चाहिये, तो कृपया क्रॉसरेल के साथ सम्पर्क करें और अपना नाम, पता और कौन-सी भाषा या फॉर्मेट में चाहिये, इसके बारे में बतायें।

जेकर उगारुं क्रॉसरेल घरे नाटकारी आपटी ज़घान 'च चागीदी है, उं क्रिया करके क्रॉसरेल नाल राघडा करे अउे आपटा नं, पडा अउे बिहड़ी ज़घान नं हॉरमेट 'च चागीदी है, दिस घरे दसे।

જો તમને ક્રોસરેલ બાબત માહિતી પોતાની ભાષામાં જોઈતી હોય, તો મહેરબાની કરી ક્રોસરેલ સાથે સંપર્ક સાધો અને પોતાનું નામ, સરનામું અને કઈ ભાષા અથવા ફોર્મેટમાં જોઈએ છે, તે બાબત જણાવો.

يرجى الاتصال بهم ذكراً اسمك وعنوانك والرقم البريدي واللغة أو الشكل الذي تطلبه. (Crossrail) الحصول على معلومات عن «كروسريل».

如果你想獲得用你的語言書寫的有關Crossrail的資訊，請提供你的姓名，住址和要求的語言或格式。

Αν επιθυμείτε πληροφορίες για το Crossrail στη γλώσσα σας, επικοινωνήστε με την Crossrail αναφέροντας το όνομά σας, την ταχυδρομική διεύθυνση και τη γλώσσα ή η μορφή στην οποία επιθυμείτε να τις λάβετε.

اگر آپ کو کراس ریل کے بارے میں اپنی زبان میں معلومات درکار ہیں تو برائے مہربانی کراس ریل سے رابطہ کریں اور اپنا نام، گھر کا پتہ اور جس زبان یا جس شکل میں آپ کو یہ معلومات درکار ہیں کے بارے میں بتائیں۔

Haddii doonaysid warbixin ku saabsan Crossrail oo ku qoran luqadaada fadlan la soo xiriiir Crossrail adoo dhiibaya cinwaankaaga boostada fadlan noo sheeg luqadda iyo qaabka aad u baahan tahay.

Faahfahin cidda lala xiriirayo waa:

Crossrail FREEPOST NAT6945
London SW1H 0BR