

Date: 16 May 2018

Item: Crossrail Update

This paper will be considered in public.

1 Summary

- 1.1 This paper provides an update on the status of the Crossrail Project, which is now over 92 per cent complete.
- 1.2 A paper is included in Part 2 of the agenda which contains exempt supplementary information. The information is exempt by virtue of paragraph 3 of Schedule 12A of the Local Government Act 1972 in that it contains information relating to the business affairs of TfL. Any discussion of that exempt information must take place after the press and public have been excluded from this meeting.

2 Recommendation

- 2.1 The Committee is asked to note this paper and the supplemental paper included on Part 2 of the agenda.**

3 Crossrail update

- 3.1 Health and Safety performance remains good and within annual targets. Both Woolwich and Bond Street stations have worked over 2 million hours without a lost time injury. There is a continued focus on changing risks as the type of work being undertaken moves away from heavy construction and towards electrical systems and to static and dynamic testing.
- 3.2 Progress is being made across all areas of the programme and the successful introduction of Elizabeth line services in the central section continues to be forecast as on time for December this year. There remain some significant cost and schedule pressures, which continue to be actively managed by Crossrail Limited and by TfL. Further details are provided in the Part 2 paper.
- 3.3 Testing of the new trains and systems continues in the tunnel section between Abbey Wood and Stepney Green. The trains are being tested progressively at increasing speeds, levels of automatic control and number of trains in the tunnels. A significant step forward for the project took place on 13 April when testing started under full signalling control, with subsequent testing being undertaken in full automatic control and at speeds over 60mph.
- 3.4 Other tests being carried out include the interface with the platform screen doors and the CCTV for the train drivers. Testing will be extended to the full central section route (Paddington to Abbey Wood) in July 2018.

- 3.5 Station fit-out is continuing, including installation of lifts and escalators, architectural finishes and signage. All platform screen doors have now been installed and progress is being made with the installation of critical systems that are vital for operation of the railway, such as signalling, communications and tunnel ventilation.
- 3.6 From May 2018, TfL Rail will take over services between Paddington and Heathrow Terminals 2, 3 and 4, operating two trains an hour between Paddington and Heathrow using the existing Class 360 (Heathrow Connect) trains, at an identical frequency to today. A further two trains an hour will run between Paddington and Hayes & Harlington using the new Class 345 Elizabeth line trains, replacing part of the Great Western inner suburban route. Testing continues using the European Train Control System (ETCS) signalling to allow the Class 345 trains to operate to Heathrow airport.
- 3.7 Network Rail continue to upgrade the existing rail network for the introduction of Elizabeth line services and has physically connected the existing rail network with the Elizabeth line tunnels at Pudding Mill Lane and Westbourne Park. Work has also continued at stations on the Shenfield line and tendering is underway for the rebuilding of the stations on the Great Western main line between Acton Main Line and Hayes & Harlington.
- 3.8 TfL has confirmed that Elizabeth line pay as you go fares in central London will be the same as the equivalent Tube fare with services included within daily fare capping for Oyster and contactless payment. All customer service and travel information on the Elizabeth line will be fully integrated with TfL's other services.
- 3.9 Crossrail's extensive programme of stakeholder and public engagement continues in support of the 2018 Year of Engineering. Events include a series of station show cases to give the public behind the scenes access as well as a new exhibition "The Secret Life of Megaproject" which has opened at the London Transport Museum.
- 3.10 A new exhibition "Art Capital: Art for the Elizabeth line" has opened at the Whitechapel Gallery showing how the Crossrail Art Programme has worked to create public art in and around the new central London stations on the Elizabeth line.
- 3.11 Preparations continue for the transition of the Crossrail project into TfL, as the physical work completes from the autumn. In the last period, property, over site developments, insurance and the Helpline facility transferred to be delivered as part of TfL's wider operations.

List of Appendices:

Appendix 1: selection of photos showing current progress

A paper on Part 2 of the agenda contains exempt supplementary information.

List of Background Papers:

None.

Contact Officer: Howard Smith, Operations Director Crossrail/Elizabeth line
Number: 020 3197 5976
Email: HowardSmith@Tfl.gov.uk

Contact Officer: David Hughes, Director of Strategy & Network Development
Number: 020 3054 8222
Email: HugheDa03@tfl.gov.uk

Appendix 1: Selection of photos showing current progress



Installation of Escalators at Paddington Station



Bond Street Station Platform



Test train adjacent to the DLR near Custom House Station