

## Northern Line Extension

### C5A: Static station Assessment: Battersea Park

Report

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## 1 Introduction

1.1 This Appendix to Chapter 6A of the ESA: Traffic and Transport updates the information contained in Appendix C5 to reflect use of revised passenger demand forecasts. This appendix updates the analysis based on the refined public transport modelling outputs presented in Chapter 6 of the ESA. The conclusions remain unchanged from those presented in Appendix C5 of the Environmental Statement.

### Battersea Park Station

#### 2031 AM Peak Passenger Flows - without NLE

Tables 4, 5 and 6 in Appendix C5 of the ES have been replaced with Tables 4A, 5A and 6A below.

TABLE 4A 2031 3 HOUR PASSENGER FLOWS - WITHOUT NLE

	Station Inbound	Station Outbound	TOTAL
Northbound Service	315	1,235	1,550
Southbound Service	433	25	458
TOTALS	748	1,260	2,008

Source: TfL

TABLE 5A 2031 AVERAGE PEAK FLOWS PER MINUTE (15 MIN PEAK) - WITHOUT NLE

	Station Inbound	Station Outbound	TOTAL
Northbound Service	2.6	10.0	12.6
Southbound Service	3.5	0.2	3.7
TOTALS	6.1	10.2	16.3

Source: TfL

TABLE 6A 2031 AVERAGE PEAK FLOWS PER MINUTE (5 MIN PEAK) - WITHOUT NLE

	Station Inbound	Station Outbound	TOTAL
Northbound Service	3.1	12.0	15.1
Southbound Service	4.2	0.2	4.4
TOTALS	7.3	12.2	19.5

Source: TfL

**2031 AM Peak Passenger Flows - with NLE**

Tables 7, 8 and 9 in Appendix C5 of the ES have been replaced with Tables 7A, 8A and 9A below.

**TABLE 7A 2031 3 HOUR PASSENGER FLOWS - WITH NLE**

	Station Inbound	Station Outbound	TOTAL
Northbound Service	306	1,802	2,108
Southbound Service	487	26	513
TOTALS	793	1,828	2,622

Source: TfL

**TABLE 8A 2031 AVERAGE PEAK FLOWS PER MINUTE (15 MIN PEAK) - WITH NLE**

	Station Inbound	Station Outbound	TOTAL
Northbound Service	2.5	14.6	17.1
Southbound Service	3.9	0.2	4.1
TOTALS	6.4	14.8	21.2

Source: TfL

**TABLE 9A 2031 AVERAGE PEAK FLOWS PER MINUTE (5 MIN PEAK) - WITH NLE**

	Station Inbound	Station Outbound	TOTAL
Northbound Service	3.0	17.5	20.5
Southbound Service	4.7	0.3	5.0
TOTALS	7.7	17.8	25.5

Source: TfL

**Concourse Area (Unpaid Side)**

Table 11 in Appendix C5 of the ES has been replaced with Table 11A below.

**TABLE 11A PROVISION OF CONCOURSE AREA (UNPAID SIDE)**

	2012	2031 Without NLE	2031 With NLE
Peak 15 minute station entry and exit (persons)	235.2	243.9	318.5
Provision Required by SPSPG (m <sup>2</sup> )	15.7	16.3	21.2
Provision Available (m <sup>2</sup> )	>70	>70	>70

Source: TfL

**Provision of Stairs and Corridors within the Station**

Table 13 in Appendix C5 of the ES has been replaced with Table 13A below.

**TABLE 13A CIRCULATION WITHIN THE STATION - STAIR AND CORRIDOR WIDTH**

		2012	2031 Without NLE	2031 With NLE
Current/Forecast Peak Minute Two Way Flow (pers/min)		15.7	16.3	21.2
Current	Minimum Corridor Width Provided (m)	1.7	1.7	1.7
	Minimum Stair Width Provided (m)	1.4	1.4	1.4
Modelled Requirement	Minimum Corridor Width (m)	1.0	1.0	1.1
	Minimum Stair Width (m)	0.6	0.6	0.8
Required by SPSPG	Minimum Corridor Width (m)	2.0	2.0	2.0
	Minimum Stair Width (m)	2.4	2.4	2.4

Source: TfL

### Platform Width

Tables 15 and 16 in Appendix C5 of the ES have been replaced with Tables 15A and 16A below.

**TABLE 15A NORTHBOUND PLATFORM - MINIMUM PLATFORM WIDTH**

	2012	2031 Without NLE	2031 With NLE
Peak Headway Platform Person Load	65.5	75.3	102.5
Minimum Platform Width Required (m)	1.5	1.5	1.7

Source: TfL

**TABLE 16A SOUTHBOUND PLATFORM - MINIMUM PLATFORM WIDTH**

	2012	2031 Without NLE	2031 With NLE
Peak Headway Platform Person Load	31.8	24.7	27.7
Minimum Platform Width Required (m)	1.2	1.2	1.2

Source: TfL

### Platform Exit Width

Tables 17 and 18 in Appendix C5 of the ES have been replaced with Tables 17A and 18A below.

**TABLE 17A NORTHBOUND PLATFORM - MINIMUM EXIT WIDTH REQUIREMENTS**

	2012	2031 Without NLE	2031 With NLE
Peak One Minute Platform Person Load	10.9	12.6	17.1
Minimum Platform Stair Exit Width Required (m)	0.4	0.5	0.6

Source: TfL

**TABLE 18A SOUTHBOUND PLATFORM - MINIMUM EXIT WIDTH REQUIREMENTS**

	2012	2031 Without NLE	2031 With NLE
Peak One Minute Platform Person Load	4.8	3.7	4.2
Minimum Platform Stair Exit Width Required (m)	0.2	0.1	0.2

Source: TfL

### CONTROL SHEET

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### REVIEW

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