

## TECHNICAL NOTE

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<b>Project</b>	Twickenham Stadium – East Stand Extension
<b>Report Title</b>	Staff Travel Survey – High Level Summary of Results
<b>Date</b>	15/06/2016
<b>Prepared by</b>	Momentum Transport Planning
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### Executive Summary

- The 2016 Staff Travel Survey was distributed to RFU staff, with a 62% response rate at the time of writing this document.
- 54% of staff drove a car to the Stadium. This is a reduction of 6% when compared to the 2003 Staff Travel Survey.
- 22% of staff used rail modes to access the Stadium. This is an increase of 15% when compares to the 2003 Staff Travel Survey.
- Travel by Foot accounted for 15% of staff travelling to the Stadium.
- Peak staff arrivals to the Stadium occur between 08:00 and 09:00, with 64% of staff arriving during this time period. The hours either side of the peak, account for an additional 26% of staff.
- Peak staff departures from the Stadium occur between 17:00 and 18:00, with 69% of staff departing during this time period. The hour after the peak (18:00 to 19:00), account for an additional 18% of staff.

## 1.1 Introduction

- 1.1.1 A Draft Non Major Event Day Travel Plan for RFU employees was provided as part of the South Stand Development in September 2002. This Travel Plan was further revised by the RFU's Transport Consultants in 2003. As part of the East Stand Extension, the RFU have undertaken an updated Staff Travel Survey in order to ascertain what transport modes are used by Non Major Event Day Staff to travel to and from the Stadium.
- 1.1.2 A travel survey was distributed amongst 300 RFU staff. At the time of writing this report, 185 responses have been obtained (62% response).

## 1.2 Staff Mode Share

- 1.2.1 Table 1 presents the 2016 staff travel survey results.

Table -1 2016 Staff Travel Survey

Mode of Travel	Responses	% Responses
Car Driver (alone)	92	50%
Car Driver (with passenger)	8	4%
Car (passenger)	2	1%
Motorcycle	4	2%
Bus	6	3%
Tube	1	1%
Rail	36	20%
Bike & Rail	2	1%
Bicycle	6	3%
Foot	28	15%
TOTALS	185	100%

- 1.2.2 From Table 1 it can be seen that 54% of staff use the private car to access the Stadium on Non Major Event Days. The most popular non-car modes are rail (20%) and travel by foot (15%) which account for 35% of all travel.
- 1.2.3 Table 2 provides a comparison between the 2016 survey results, the '2003 existing conditions' and the '2003 target mode share' ('*Twickenham Stadium Non Match Day Travel Plan, August 2003, Faber Maunsell*').

Table -2 2003 Staff Travel Survey vs 2016 Staff Travel Survey

Mode of Travel	2003 Current	2003 Target	2016 Current
Car Driver	60%	53%	54%*
Car passenger	6%	9%	1%
Motorcycle	N/A	N/A	2%
Bus	2%	2%	3%
Tube / Rail	7%	8%	22%**
Foot	19%	21%	15%
Bicycle	6%	7%	3%
TOTALS	100%	100%	100%

\*includes Car Driver (alone), Car Driver (with passenger)

\*\*includes Bike & Rail

1.2.4 Table 2 shows that the 2016 Car Driver Mode is very close to the target set out in 2003. Travel by rail modes has risen significantly since 2003, from 7% to 22%.

### 1.3 Staff Arrival and Departure Times

1.3.1 Tables 3 and 4 present staff arrival and departure times to and from the Stadium, respectively.

Table -3 Staff Arrival Times at the Stadium

Staff Arrival Time	No. of Responses	% of Responses
05:00	1	1%
06:00	10	5%
07:00	19	10%
08:00	119	64%
09:00	30	16%
10:00	3	2%
11:00	3	2%
TOTALS	185	100%

1.3.2 Table 3 shows that 64% of staff arrive at the Stadium between 08:00 and 09:00, with 26% of staff arriving between 07:00 and 08:00 and 09:00 and 10:00. This accounts for 90% of staff arrivals.

Table -4 Staff Departure Times from the Stadium

Staff Departure Time	No. of Responses	% of Responses
Before 16:00	3	2%
16:00	13	7%
17:00	128	69%
18:00	33	18%
19:00	6	3%
20:00	1	1%
After 20:00	1	<1%
TOTALS	185	100%

1.3.3 Table 4 shows that 69% of staff depart between 17:00 and 18:00, with 18% of staff departing between 18:00 and 19:00. This accounts for approximately 90% of staff departures from the Stadium.

## 1.4 Summary

- 1.4.1 The 2016 Travel Survey results show that between 2003 and 2016 there has been a 6% decrease in staff that drive a car to and from the Stadium.
- 1.4.2 In addition a reduction in the car mode share, there has been a significant increase (15%) in staff that travel to and from the Stadium using by rail modes.
- 1.4.3 Peak staff arrivals to the Stadium occur between 08:00 and 09:00, with 64% of staff arriving during this time period. The hours either side of the peak account for an additional 25% of staff.
- 1.4.4 Peak staff departures from the Stadium occur between 17:00 and 18:00, with 69% of staff departing during this time period. The hour after the peak (18:00 to 19:00), account for an additional 18% of staff.