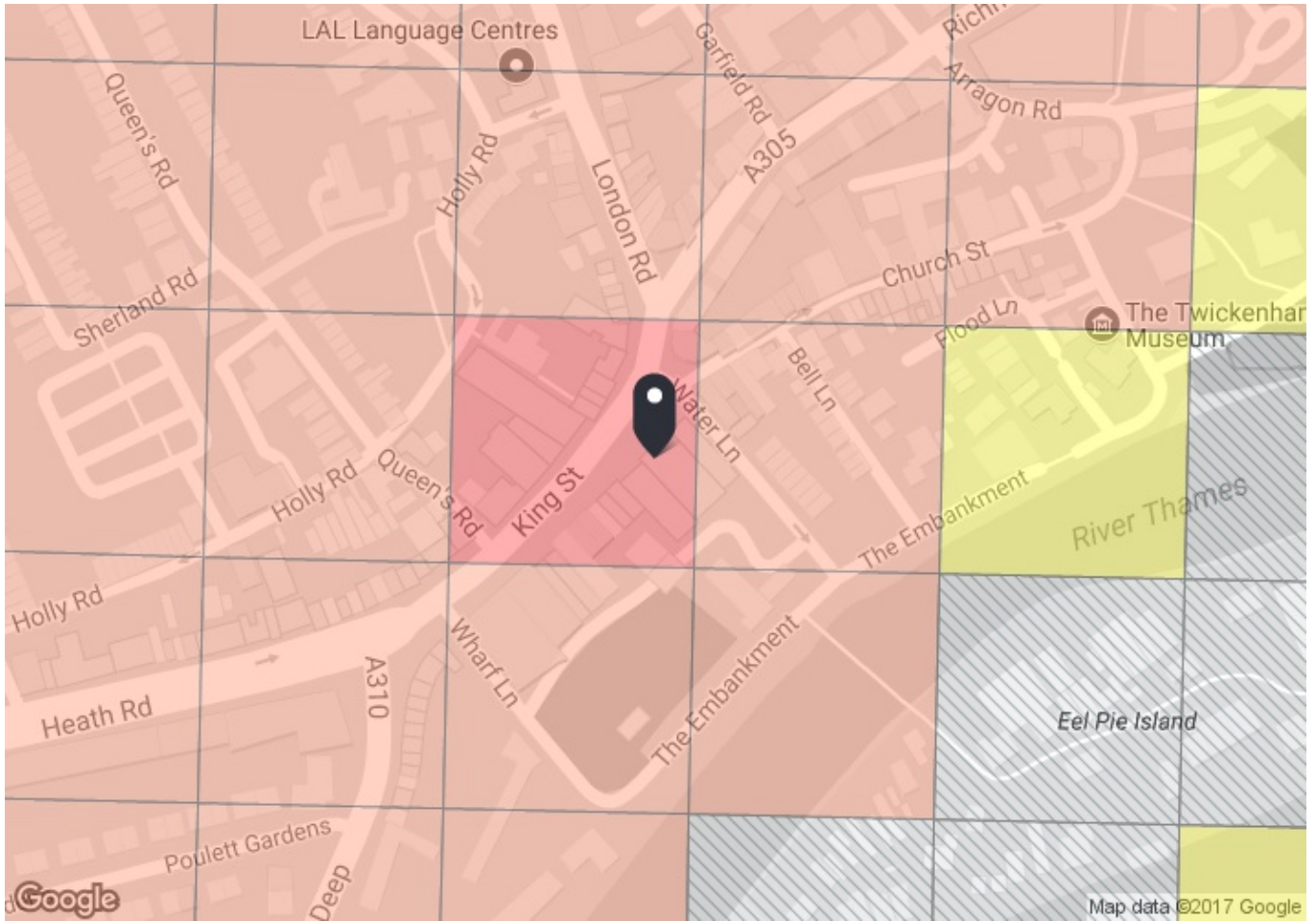


Appendix A: PTAL report

Twickenham Rediscovered Programme – Riverside Project	
Transport Assessment	106125-01
Final Report	23/11/2017



PTAL output for Base Year 6a

1B King St, Twickenham TW1 3SD, UK
Easting: 516279, Northing: 173238

Grid Cell: 45406

Report generated: 16/10/2017

Calculation Parameters

Day of Week	M-F
Time Period	AM Peak
Walk Speed	4.8 kph
Bus Node Max. Walk Access Time (mins)	8
Bus Reliability Factor	2.0
LU Station Max. Walk Access Time (mins)	12
LU Reliability Factor	0.75
National Rail Station Max. Walk Access Time (mins)	12
National Rail Reliability Factor	0.75

Map key - PTAL

0 (Worst)	1a
1b	2
3	4
5	6a
6b (Best)	

Map layers

- PTAL (cell size: 100m)

Calculation data

Mode	Stop	Route	Distance (metres)	Frequency(vph)	Walk Time (mins)	SWT (mins)	TAT (mins)	EDF	Weight	AI
Bus	Twickenham KING STREET	110	62.15	3	0.78	12	12.78	2.35	0.5	1.17
Bus	Twickenham KING STREET	290	62.15	3	0.78	12	12.78	2.35	0.5	1.17
Bus	Twickenham KING STREET	281	62.15	7.5	0.78	6	6.78	4.43	0.5	2.21
Bus	Twickenham KING STREET	33	62.15	7.5	0.78	6	6.78	4.43	1	4.43
Bus	Twickenham KING STREET	490	62.15	5	0.78	8	8.78	3.42	0.5	1.71
Bus	Twickenham KING STREET	R68	62.15	4	0.78	9.5	10.28	2.92	0.5	1.46
Bus	Twickenham KING STREET	R70	62.15	6	0.78	7	7.78	3.86	0.5	1.93
Bus	Twickenham KING STREET	H22	62.15	5	0.78	8	8.78	3.42	0.5	1.71
Bus	Twickenham KING STREET	267	62.15	6	0.78	7	7.78	3.86	0.5	1.93
Rail	Twickenham	'RICHMND-GUILDFD 2N13'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'ALDRSHT-WATRLMN 1N90'	511.9	1	6.4	30.75	37.15	0.81	0.5	0.4
Rail	Twickenham	'RDNG4AB-WATRLMN 2C10'	511.9	0.67	6.4	45.53	51.92	0.58	0.5	0.29
Rail	Twickenham	'WATRLMN-RDNG4AB 2C13'	511.9	0.67	6.4	45.53	51.92	0.58	0.5	0.29
Rail	Twickenham	'RDNG4AB-WATRLMN 2C14'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'RDNG4AB-WATRLMN 2C16'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'WATRLMN-RDNG4AB 2C17'	511.9	1.33	6.4	23.31	29.71	1.01	0.5	0.5
Rail	Twickenham	'RDNG4AB-WATRLMN 2C18'	511.9	0.67	6.4	45.53	51.92	0.58	0.5	0.29
Rail	Twickenham	'WATRLMN-RDNG4AB 2C85'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'WATRLMN-RDNG4AB 2C87'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'RDNG4AB-WATRLMN 2C90'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'SHEPRTN-WATRLMN 2H92'	511.9	1	6.4	30.75	37.15	0.81	0.5	0.4
Rail	Twickenham	'WDON-WATRLMN 2K03'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'WATRLMN-WATRLMN 2K09'	511.9	2	6.4	15.75	22.15	1.35	1	1.35
Rail	Twickenham	'WATRLMN-WATRLMN 2O09'	511.9	2	6.4	15.75	22.15	1.35	0.5	0.68
Rail	Twickenham	'TWCKNHM-WATRLMN 2O92'	511.9	0.67	6.4	45.53	51.92	0.58	0.5	0.29
Rail	Twickenham	'TWCKNHM-WATRLMN 2R03'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Rail	Twickenham	'WATRLMN-WATRLMN 2R09'	511.9	2	6.4	15.75	22.15	1.35	0.5	0.68
Rail	Twickenham	'WSORAER-WATRLMN 2U10'	511.9	2	6.4	15.75	22.15	1.35	0.5	0.68
Rail	Twickenham	'WATRLMN-WSORAER 2U13'	511.9	2	6.4	15.75	22.15	1.35	0.5	0.68
Rail	Twickenham	'HOUNSLW-WATRLMN 2V05'	511.9	0.33	6.4	91.66	98.06	0.31	0.5	0.15
Total Grid Cell AI: 25.6										



Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

Summary of Accidents Selected

Site Reference and Description (zero accident counts shown in bold)	Date Period	Accidents
MD01 GIS AREA B24_King_St (P)	60 MTS TO DEC-2016	44

The description of how the accident occurred and the contributory factors are the reporting officer's opinion at the time of reporting and may not be the result of extensive investigation



Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

MD01 GIS AREA B24_King_St (P)											60 MTS TO DEC-2016 SORTED BY DATE										
	1	2	3	4	5	6	7	8	9	10											
Accident Reference	0112TW60051	0112TW60081	0112TW60108	0112TW60268	0112TA00698	0112TA00749	0112TA00798	0113TW60044	0113TW60055	0113TW60160											
Day	MONDAY	MONDAY	SATURDAY	THURSDAY	THURSDAY	THURSDAY	MONDAY	WEDNESDAY	MONDAY	THURSDAY											
Date	30/01/2012	13/02/2012	24/03/2012	02/08/2012	23/08/2012	30/08/2012	17/09/2012	06/02/2013	18/02/2013	09/05/2013											
Time	09:05	17:40	09:15	21:48	15:20	14:03	09:40	12:30	10:45	00:50											
Light Conditions	LIGHT	DARK	LIGHT	DARK	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	DARK											
Road Surface	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY											
Severity	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SERIOUS	SERIOUS	SERIOUS	SLIGHT	SLIGHT	SLIGHT											
Conflict																					
Pedestrian Location		0		X	50M	50M															
Contributory Factors (* denotes pre 2005)	403 V001 A 406 V001 A 406 V002 A 405 V002 A	405 V001 A 407 V001 A 602 V001 A	405 V001 A 406 V001 A 407 V001 A	802 C001 A 804 C001 A 406 V001 A 407 V001 B	802 C001 A 803 C001 A 808 C001 A 406 V001 B	802 C001 A 808 C001 A 405 V001 A 602 V001 A	409 V002 A 410 V002 A 405 V002 A 602 V001 A 403 V001 A 404 V001 B	307 V002 A 405 V002 A	408 V001 A 999 V001 A	405 V002 A 406 V002 A 408 V001 B											
Easting/Northing	516190 173170	516330 173290	516310 173350	516160 173160	516168 173162	516270 173270	516440 173240	516270 173270	516272 173283	516160 173160											

Pedestrian	13	30 %
Wet	7	16 %
Dark	11	25 %

Site Diagram



Severity / Months To	12 12/2012	12 12/2013	12 12/2014	12 12/2015	12 12/2016	Total	Pct
Fatal	0	0	0	0	0	0	0.0 %
Serious	3	1	0	0	1	5	11.4 %
Slight	4	8	9	4	14	39	88.6 %
Total	7	9	9	4	15	44	
Pct	15.9 %	20.5 %	20.5 %	9.1 %	34.1 %		


Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

MD01 GIS AREA B24_King_St (P)										
60 MTS TO DEC-2016 SORTED BY DATE										
	11	12	13	14	15	16	17	18	19	20
Accident Reference	0113TW60219	0113TW60257	0113TW60357	0113TW60366	0113TW60401	0113TW60457	0114TW60078	0114TW60126	0114TW60256	0114TW60332
Day	FRIDAY	MONDAY	MONDAY	FRIDAY	THURSDAY	FRIDAY	WEDNESDAY	MONDAY	WEDNESDAY	SATURDAY
Date	28/06/2013	29/07/2013	30/09/2013	11/10/2013	31/10/2013	15/11/2013	12/02/2014	24/03/2014	11/06/2014	19/07/2014
Time	14:15	16:47	15:50	12:10	18:48	00:46	08:10	08:15	16:23	18:45
Light Conditions	LIGHT	LIGHT	LIGHT	LIGHT	DARK	DARK	LIGHT	LIGHT	LIGHT	LIGHT
Road Surface	WET	DRY	DRY	WET	WET	DRY	DRY	DRY	DRY	DRY
Severity	SLIGHT	SLIGHT	SLIGHT	SERIOUS	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT
Conflict										
Pedestrian Location										
Contributory Factors (* denotes pre 2005)	410 V001 A 403 V001 A 607 V001 A 602 V001 A	308 V002 A 405 V002 A 406 V002 A 602 V002 A	408 V001 A	999 C001 A	601 V001 A 602 V001 A 403 V001 A	501 V001 A	999 C001 A	403 V002 A 405 V002 A 406 V002 B	904 V002 A	405 V001 A 406 V001 A 602 V001 A
Easting/Northing	516170 173170	516160 173160	516230 173210	516180 173180	516170 173150	516250 173330	516300 173340	516240 173370	516120 173150	516370 173400


Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

MD01 GIS AREA B24_King_St (P)										
60 MTS TO DEC-2016 SORTED BY DATE										
	21	22	23	24	25	26	27	28	29	30
Accident Reference	0114TW60342	0114TW60418	0114TW60475	0114TW60490	0114TW69006	0115TW60063	0115TW60167	0115TW60209	0115TW60299	0116TW60005
Day	SATURDAY	WEDNESDAY	THURSDAY	FRIDAY	FRIDAY	FRIDAY	MONDAY	TUESDAY	THURSDAY	SATURDAY
Date	26/07/2014	24/09/2014	23/10/2014	31/10/2014	12/12/2014	27/02/2015	01/06/2015	30/06/2015	03/09/2015	09/01/2016
Time	01:57	10:42	16:09	13:30	13:50	23:55	16:00	19:14	15:35	13:20
Light Conditions	DARK	LIGHT	LIGHT	LIGHT	LIGHT	DARK	LIGHT	LIGHT	LIGHT	LIGHT
Road Surface	DRY	WET	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Severity	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT
Conflict										
Pedestrian Location				50M	50M	0	50M		0	
Contributory Factors (* denotes pre 2005)	403 V002 A 501 V002 A	410 V001 A 103 V001 B 605 V001 A	508 V002 B 410 V002 A	104 V002 A 405 V002 B 802 C001 B 801 C001 A	802 C001 A 803 C001 A	602 V001 B 406 V001 B 405 V001 B	999 C001 A 808 C001 B 803 C001 B 802 C001 A	403 V002 A 406 V002 A 405 V002 B	802 C001 B 803 C001 B	904 V002 A
Easting/Northing	516170 173130	516370 173410	516140 173160	516280 173300	516170 173150	516270 173310	516390 173400	516390 173410	516330 173370	516220 173410


Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

MD01 GIS AREA B24_King_St (P)										60 MTS TO DEC-2016 SORTED BY DATE
	31	32	33	34	35	36	37	38	39	40
Accident Reference	0116TW60027	0116TW60128	0116TW60141	0116TW60202	0116TW60259	0116TW60296	01160013530	01160025902	01160026574	01160027545
Day	SUNDAY	WEDNESDAY	SATURDAY	FRIDAY	WEDNESDAY	MONDAY	MONDAY	SATURDAY	WEDNESDAY	SUNDAY
Date	07/02/2016	13/04/2016	07/05/2016	10/06/2016	06/07/2016	15/08/2016	19/09/2016	01/10/2016	12/10/2016	30/10/2016
Time	13:30	06:45	20:00	08:38	15:50	18:22	15:28	23:24	23:00	11:56
Light Conditions	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	DARK	DARK	LIGHT
Road Surface	DRY	DRY	DRY	DRY	DRY	DRY	WET	DRY	WET	DRY
Severity	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SLIGHT	SERIOUS	SLIGHT
Conflict										
Pedestrian Location	X				0				0	
Contributory Factors (* denotes pre 2005)	802 C001 B 808 C001 B	403 V002 A 406 V002 A 405 V002 A	408 V002 A 410 V002 A 405 V002 A 602 V002 A	402 V001 A 403 V001 A 405 V001 A 410 V001 A	602 V001 B 405 V001 B 309 V001 A 601 V001 B	904 V001 A 405 V001 A	307 V002 A 405 V001 A	308 V001 A	805 C001 A	308 V002 A 403 V001 A
Easting/Northing	516160 173140	516370 173400	516270 173270	516370 173400	516350 173310	516220 173420	516380 173410	516170 173170	516170 173170	516240 173380


Twickenham GIS Area Collisions - 5 years to 31- Dec -2016 (provisional)

MD01 GIS AREA B24_King_St (P)					60 MTS TO DEC-2016 SORTED BY DATE
	41	42	43	44	
Accident Reference	01160001390	01160005286	01160008011	01160008555	
Day	FRIDAY	TUESDAY	TUESDAY	THURSDAY	
Date	11/11/2016	06/12/2016	20/12/2016	22/12/2016	
Time	19:10	06:55	08:30	11:33	
Light Conditions	DARK	DARK	LIGHT	LIGHT	
Road Surface	DRY	WET	DRY	DRY	
Severity	SLIGHT	SLIGHT	SLIGHT	SLIGHT	
Conflict					
Pedestrian Location	0				
Contributory Factors (* denotes pre 2005)	405 V001 B 802 C001 B	405 V001 A	409 V001 B	808 C001 B	
Easting/Northing	516130 173140	516380 173410	516220 173200	516320 173370	