



Southampton City Council

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# PORTSWOOD PROJECT

Pre- and During Scheme Traffic Flow





**PUBLIC**

**PROJECT NO. 2024-UK-261928**

**DATE: MAY 2025**

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# QUALITY CONTROL

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Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks	First Draft	Final issue		
Date	May 2025	May 2025		
Prepared by	VG	VG		
Signature				
Checked by	PM	PM		
Signature				
Authorised by	PM	PM		
Signature				
Project number	2024-UK-261928	2024-UK-261928		
Report number	IR1	IR1		
File reference				

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### **APPENDIX A**

#### **TRAFFIC FLOW DIAGRAMS**

# 1 INTRODUCTION

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- 1.1.1. WSP have been commissioned by SCC (Southampton City Council) to undertake monitoring and evaluation of the Portswood Road bus gate and Highfield ATZ (Active Travel Zone) which was introduced via an ETRO (Experimental Traffic Regulation Order) in January 2025.
- 1.1.2. This report provides a comparison of the baseline traffic data collected in July 2024 (Pre-trial) with traffic data collected in late March / early April 2025.

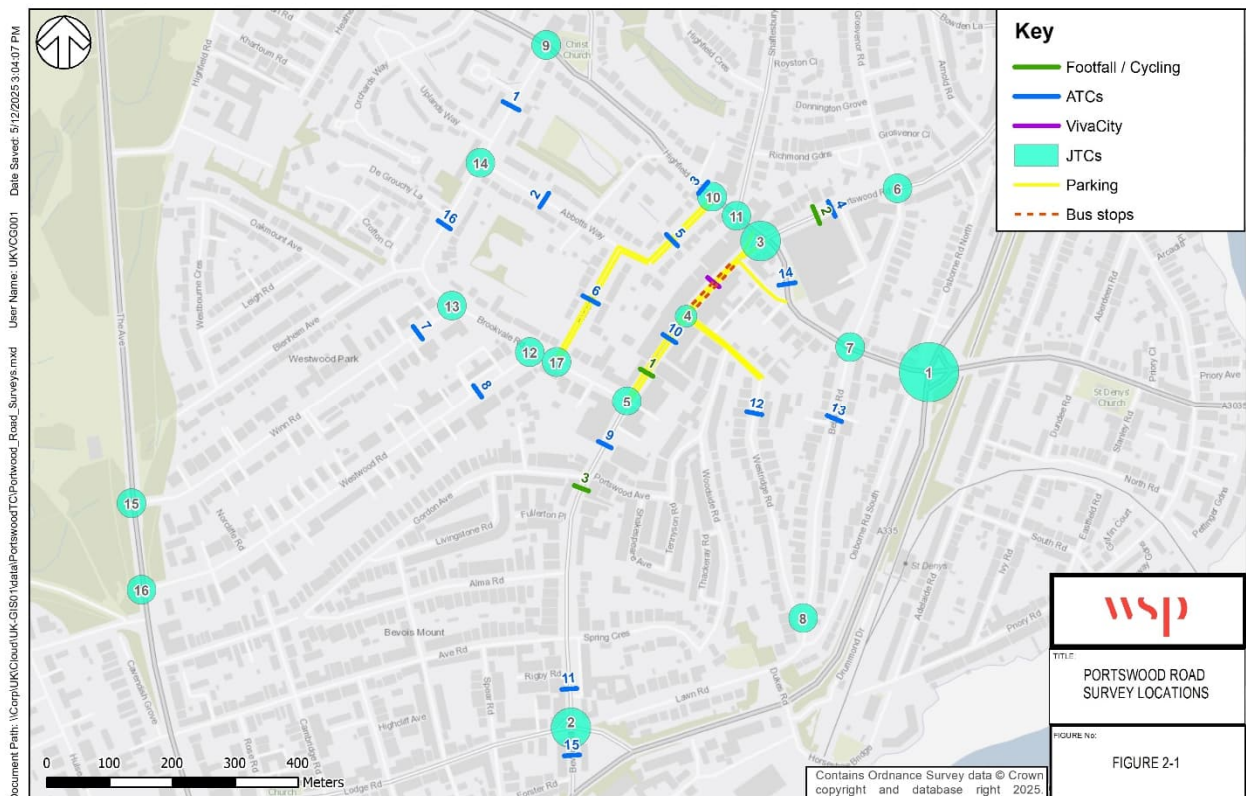
## 1.2 SCHEME BACKGROUND

- 1.2.1. The scheme has introduced a bus, taxi & cycle only section of Portswood Road between St Denys Road and Westridge Road and ATZs on a trial basis for a minimum of 6 months to assess the impact on bus punctuality and the local highway network. The proposed part-time bus/taxi/cycle-only section is currently operational Monday to Saturday between the hours of 7:00am-10:00am and 4:00pm-7:00pm. During the trial, access will be maintained northbound through the bus gate for Heavy Goods Vehicles (HGVs), with a loading bay on St Denys Road spur. So far, SCC have implemented the following improvements to the area:
  - New, larger bus shelters;
  - Two new parklets; offering seating, planting and cycle parking;
  - Contraflow cycle lane on St Denys Road spur;
  - 20-mph limit for the area;
  - New buildouts with cycle bypasses on Brookvale Road and Belmont Road; and
  - Traffic filter on Russell Place at its junction with Abbotts Way.

## 2 TRAFFIC DATA

- 2.1.1. A comparison of vehicular traffic, pedestrian and cycling flows and bus punctuality data from before and during the scheme was implemented has been carried out.
- 2.1.2. Data presented within this document has been collected from Automatic Traffic Counters (ATCs), Non-Motorised User (NMUs) counters which survey pedestrians and cyclists, from Junction Turning Counts (JTCs) at junctions and roundabouts, and on-street and off-street car park survey.
- 2.1.3. The locations of the various surveys are shown in Figure 2-1.

**Figure 2-1 Survey Locations**



## 2.1 TRAFFIC VOLUMES

- 2.1.1. Traffic volume data has been recorded at 16 ATCs. ATCs are temporary pneumatic tubes laid across the road which contain sensors to detect vehicles and measures their speed, length and vehicle classification. This method is a standard practice in the UK to collect traffic flows.
- 2.1.2. Number 16 located in Brookvale Road is an additional survey location that was not present during the baseline surveys, therefore no comparison can be made at this location. The data was collected over two-week periods continuously (24hrs): 1<sup>st</sup> to 14<sup>th</sup> July 2024 and 22<sup>nd</sup> March to 4<sup>th</sup> April 2025. Tables summarising this data and a comparison of weekday and weekend flows are provided over the next pages.
- 2.1.3. Table 2-1 presents a pre- and during-trial comparison in weekday traffic flow in July 2024 (pre-trial) and March 2025 (during the trial period) and Table 2-2 presents a pre- and during-trial comparison in Saturday traffic flow in July 2024 (pre-trial) and March 2025 (during the trial period).

- 2.1.4. The tables show the traffic flow during the bus gate operation times during the morning and afternoon, outside of these times when the bus gates are not in operation and all day (24 hours).
- 2.1.5. The results have been separated into northbound (NB) and southbound (SB) directions.
- 2.1.6. The percentage change is presented: red indicating an increase in flow and green indicating a decrease in flow.
- 2.1.7. Table 2-3 presents a pre- and during-trial comparison in weekday average speed (mph) in July 2024 (pre-trial) and March 2025 (during the trial period) and Table 2-4 presents a pre- and during-trial comparison in Saturday average speed in July 2024 (pre-trial) and March 2025 (during the trial period).
- 2.1.8. The tables show the average speed during the bus gate operation times during the morning and afternoon, and all day (24 hours). The percentage of average speed below 24mph is also provided. The ATC data collection for speeds is outputted in speed bands of 5mph, so 15-19mph and 20-24mph. As such for compliance with a new speed limit SCC assume anyone travelling below 24mph as the data as this matches one of the thresholds often used for enforcement.
- 2.1.9. The results have been separated into northbound (NB) and southbound (SB) directions.
- 2.1.10. The percentage change is presented: red indicating an increase in average speed or a reduction in percentage of vehicles travelling below 24mph and green indicating a decrease in average speed or an increase in percentage of vehicles travelling below 24mph.



**Table 2-1 - Weekday traffic flow comparison - July 2024 and March 2025**

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change (between July and March)			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 1: Brookvale Road	NB	294	388	960	1,642	529	730	1,263	2,522	80%	88%	32%	54%
	SB	366	443	905	1,714	565	733	1182	2,479	54%	65%	31%	45%
	TW	<u>660</u>	<u>831</u>	<u>1,865</u>	<u>3,356</u>	<u>1,094</u>	<u>1,463</u>	<u>2,444</u>	<u>5,001</u>	66%	76%	31%	49%
ATC 2: Abbotts Way (north)	NB	51	74	140	265	168	170	247	585	228%	130%	76%	120%
	SB	40	70	155	265	78	113	141	333	95%	61%	-9%	25%
	TW	<u>91</u>	<u>144</u>	<u>295</u>	<u>530</u>	<u>246</u>	<u>283</u>	<u>388</u>	<u>917</u>	170%	96%	31%	73%
ATC 3: Highfield Lane	NB	727	858	2667	4,253	657	570	2,274	3,502	-10%	-34%	-15%	-18%
	SB	706	644	2250	3,600	736	905	2,765	4,407	4%	40%	23%	22%
	TW	<u>1,433</u>	<u>1,502</u>	<u>4,917</u>	<u>7,853</u>	<u>1,394</u>	<u>1,475</u>	<u>5,040</u>	<u>7,909</u>	-3%	-2%	2%	1%
ATC 4: Portswood Road Sainsbury's)	NB	784	1,149	3418	5,350	464	687	3,046	4,196	-41%	-40%	-11%	-22%
	SB	924	1,072	3392	5,387	533	635	2,933	4,101	-42%	-41%	-14%	-24%
	TW	<u>1,708</u>	<u>2,221</u>	<u>6,810</u>	<u>10,737</u>	<u>997</u>	<u>1,321</u>	<u>5,978</u>	<u>8,296</u>	-42%	-41%	-12%	-23%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change (between July and March)			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 5: Abbotts Way (east)	NB	126	177	426	729	76	119	167	362	-40%	-33%	-61%	-50%
	SB	176	193	488	857	170	189	267	626	-4%	-2%	-45%	-27%
	TW	<u>302</u>	<u>370</u>	<u>914</u>	<u>1,586</u>	<u>246</u>	<u>307</u>	<u>434</u>	<u>988</u>	-19%	-17%	-53%	-38%
ATC 6: Russell Place	NB	115	172	356	643	16	34	78	128	-86%	-80%	-78%	-80%
	SB	161	182	407	750	14	36	84	135	-91%	-80%	-79%	-82%
	TW	<u>276</u>	<u>354</u>	<u>763</u>	<u>1,393</u>	<u>30</u>	<u>70</u>	<u>162</u>	<u>263</u>	-89%	-80%	-79%	-81%
ATC 7: Winn Road	NB	220	251	454	925	263	329	683	1,275	19%	31%	51%	38%
	SB	268	260	487	1,015	339	346	723	1,407	26%	33%	48%	39%
	TW	<u>488</u>	<u>511</u>	<u>941</u>	<u>1,940</u>	<u>601</u>	<u>675</u>	<u>1,406</u>	<u>2,682</u>	23%	32%	49%	38%
ATC 8: Westwood Road	NB	356	460	1049	1,865	296	388	1,056	1,740	-17%	-16%	1%	-7%
	SB	365	438	1036	1,838	299	356	1,005	1,660	-18%	-19%	-3%	-10%
	TW	<u>721</u>	<u>898</u>	<u>2,085</u>	<u>3,703</u>	<u>595</u>	<u>744</u>	<u>2,061</u>	<u>3,400</u>	-17%	-17%	-1%	-8%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change (between July and March)			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 9: Portswood Road (Waitrose)	NB	685	1,070	3202	4,957	476	719	3,117	4,313	-30%	-33%	-3%	-13%
	SB	910	1,081	3357	5,348	512	786	2,953	4,251	-44%	-27%	-12%	-21%
	TW	<u>1,595</u>	<u>2,151</u>	<u>6,559</u>	<u>10,305</u>	<u>988</u>	<u>1,505</u>	<u>6,070</u>	<u>8,564</u>	-38%	-30%	-7%	-17%
ATC 10: Portswood Road (Farmfoods)	NB	844	1,229	3746	5,820	275	475	3,491	4,241	-67%	-61%	-7%	-27%
	SB	1,061	1,161	3809	6,030	375	486	3,408	4,269	-65%	-58%	-11%	-29%
	TW	<u>1,905</u>	<u>2,390</u>	<u>7,555</u>	<u>11,850</u>	<u>650</u>	<u>961</u>	<u>6,899</u>	<u>8,510</u>	-66%	-60%	-9%	-28%
ATC 11: Portswood Road (Rigby Road)	NB	641	998	3058	4,697	482	735	2,771	3,988	-25%	-26%	-9%	-15%
	SB	888	1,029	3311	5,228	642	835	3,033	4,510	-28%	-19%	-8%	-14%
	TW	<u>1,529</u>	<u>2,027</u>	<u>6,369</u>	<u>9,925</u>	<u>1,124</u>	<u>1,569</u>	<u>5,804</u>	<u>8,498</u>	-26%	-23%	-9%	-14%
ATC 12: Westridge Road	NB	35	70	214	319	90	141	261	492	155%	103%	22%	54%
	SB	31	96	228	354	77	160	235	472	153%	67%	3%	33%
	TW	<u>66</u>	<u>166</u>	<u>442</u>	<u>673</u>	<u>167</u>	<u>301</u>	<u>496</u>	<u>964</u>	154%	82%	12%	43%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change (between July and March)			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 13: Belmont Road South	NB	112	147	395	653	180	326	484	990	61%	121%	23%	52%
	SB	115	128	365	608	246	271	430	946	114%	111%	18%	56%
	TW	<u>227</u>	<u>275</u>	<u>760</u>	<u>1,261</u>	<u>426</u>	<u>597</u>	<u>914</u>	<u>1,936</u>	88%	117%	20%	53%
ATC 14: St Denys Road	NB	750	692	2664	4,105	732	693	2,505	3,930	-2%	0%	-6%	-4%
	SB	644	832	2862	4,339	703	829	2,655	4,187	9%	0%	-7%	-4%
	TW	<u>1,394</u>	<u>1,524</u>	<u>5,526</u>	<u>8,444</u>	<u>1,435</u>	<u>1,522</u>	<u>5,160</u>	<u>8,117</u>	3%	0%	-7%	-4%
ATC 15: Bevois Hill	NB	444	623	2166	3,233	367	561	2,269	3,198	-17%	-10%	5%	-1%
	SB	579	703	2302	3,584	348	500	1,926	2,774	-40%	-29%	-16%	-23%
	TW	<u>1,023</u>	<u>1,326</u>	<u>4,468</u>	<u>6,817</u>	<u>715</u>	<u>1,061</u>	<u>4,195</u>	<u>5,972</u>	-30%	-20%	-6%	-12%
ATC 16: Brookvale Road 2	NB	Not in place in July 2024				592	817	1,329	2,738	No comparison available			
	SB					733	883	1,351	2,967				
	TW					<u>1,325</u>	<u>1,699</u>	<u>2,680</u>	<u>5,704</u>				

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change (between July and March)			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
Vivacity (Portswood Road)	NB	970	1,518	4,589	7,077	194	320	3,705	4,219	-80%	-79%	-19%	-40%
	SB	1,269	1,555	4,861	7,685	290	350	3,524	4,164	-77%	-77%	-28%	-46%
	TW	<u>2,239</u>	<u>3,073</u>	<u>9,450</u>	<u>14,762</u>	<u>484</u>	<u>671</u>	<u>7,228</u>	<u>8,383</u>	-78%	-78%	-24%	-43%

**Table 2-2 - Saturday traffic flow comparison - July 2024 and March 2025**

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 1: Brookvale Road	NB	186	263	1,023	1,471	349	601	1,357	2,306	88%	129%	33%	33%
	SB	182	229	1,152	1,562	311	531	1,162	2,003	71%	132%	1%	1%
	TW	367	491	2,174	3,032	660	1131	2,518	4,309	80%	130%	16%	16%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 2: Abbots Way (north)	NB	30	24	164	218	82	137	293	512	173%	471%	78%	78%
	SB	25	39	198	261	60	73	144	276	140%	88%	-27%	-27%
	TW	55	63	362	479	142	210	436	788	158%	235%	21%	21%
ATC 3: Highfield Lane	NB	500	663	2,657	3,820	479	536	2,261	3,276	-4%	-19%	-15%	-15%
	SB	470	551	2,119	3,139	586	873	2,931	4,390	25%	59%	38%	38%
	TW	970	1,214	4,776	6,959	1065	1,409	5,192	7,665	10%	16%	9%	9%
ATC 4: Portswood Road Sainsbury's)	NB	610	939	3,485	5,033	461	787	3,508	4,755	-24%	-16%	1%	1%
	SB	572	891	3,526	4,988	353	737	3,497	4,586	-38%	-17%	-1%	-1%
	TW	1,181	1,829	7,010	10,020	814	1,523	7,005	9,341	-31%	-17%	0%	0%
ATC 5: Abbots Way (east)	NB	79	112	431	622	63	80	190	333	-20%	-29%	-56%	-56%
	SB	117	127	558	801	109	156	306	570	-7%	23%	-45%	-45%
	TW	196	239	989	1423	172	236	495	903	-12%	-1%	-50%	-50%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 6: Russell Place	NB	63	117	417	596	14	40	85	138	-78%	-66%	-80%	-80%
	SB	86	120	519	725	18	47	77	141	-80%	-61%	-85%	-85%
	TW	149	237	935	1,321	31	86	161	278	-79%	-64%	-83%	-83%
ATC 7: Winn Road	NB	19	169	654	842	142	235	667	1,044	647%	39%	2%	2%
	SB	14	151	657	822	156	231	691	1,078	1052%	53%	5%	5%
	TW	33	320	1,311	1,663	298	466	1,358	2,122	815%	46%	4%	4%
ATC 8: Westwood Road	NB	187	256	1,030	1,473	183	317	1,015	1,514	-2%	24%	-1%	-1%
	SB	191	271	1,223	1,684	145	303	978	1,426	-24%	12%	-20%	-20%
	TW	378	527	2,253	3,157	328	620	1,993	2,940	-13%	18%	-12%	-12%
ATC 9: Portswood Road (Waitrose)	NB	491	922	3,359	4,772	354	758	3,439	4,551	-28%	-18%	2%	2%
	SB	498	812	3,704	5,014	319	711	3,347	4,376	-36%	-13%	-10%	-10%
	TW	988	1,734	7,063	9,785	673	1469	6,786	8,927	-32%	-15%	-4%	-4%

Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 10: Portswood Road (Farmfoods)	NB	584	1,065	3,960	5,609	225	591	3,776	4,592	-61%	-45%	-5%	-5%
	SB	637	949	4,154	5,739	254	561	3,799	4,613	-60%	-41%	-9%	-9%
	TW	1,220	2,014	8,114	11,348	479	1,151	7,575	9,204	-61%	-43%	-7%	-7%
ATC 11: Portswood Road (Rigby Road)	NB	471	876	3,264	4,611	386	810	3,050	4,245	-18%	-8%	-7%	-7%
	SB	510	812	3,639	4,960	389	791	3,398	4,578	-24%	-3%	-7%	-7%
	TW	981	1,688	6,903	9,571	775	1,601	6,448	8,823	-21%	-5%	-7%	-7%
ATC 12: Westridge Road	NB	15	49	176	239	76	151	295	521	421%	207%	68%	68%
	SB	11	57	195	263	57	154	277	488	414%	170%	42%	42%
	TW	26	106	370	502	132	305	572	1,009	418%	187%	55%	55%
ATC 13: Belmont Road South	NB	62	110	392	564	110	236	471	816	77%	115%	20%	20%
	SB	48	106	338	491	124	240	415	778	160%	126%	23%	23%
	TW	110	216	730	1,055	233	476	885	1,594	113%	120%	21%	21%



Location		July 2024 Pre-Trial				March 2025 During Trial				Percentage change			
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	Outside of Bus Gate Times	All day
ATC 14: St Denys Road	NB	589	647	2,599	3,834	611	739	2,646	3,996	4%	14%	2%	2%
	SB	474	801	3,022	4,296	512	931	2,837	4,280	8%	16%	-6%	-6%
	TW	1,063	1,447	5,620	8,130	1,123	1,670	5,483	8,276	6%	15%	-2%	-2%
ATC 15: Bevois Hill	NB	314	563	2,183	3,059	263	603	2,413	3,279	-16%	7%	11%	11%
	SB	340	583	2,495	3,417	242	489	2,201	2,932	-29%	-16%	-12%	-12%
	TW	653	1,146	4,677	6,476	505	1,092	4,614	6,210	-23%	-5%	-1%	-1%
ATC 16: Brookvale Road 2	NB	Not in place in July 2024				387	657	1,433	2,477	No comparison available			
	SB					370	624	1,350	2,344				
	TW					387	657	2,783	4,820				
Vivacity (Portswood Road)	NB	1,396	1,317	4,191	6,903	155	440	4,089	4,684	-89%	-67%	-2%	-32%
	SB	820	1,269	5,361	7,449	180	424	4,031	4,635	-78%	-67%	-25%	-38%
	TW	2,216	2,586	9,552	1,4352	335	864	8,120	9,319	-85%	-67%	-15%	-35%

**Table 2-3 – ATC Average Speed Weekday**

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 1: Brookvale Road	July 2024	21.9	23.0	21.3	22.8	21.9	22.8	75.3%	72.9%
	March 2025	19.6	21.4	18.1	20.1	19.7	20.9	87.8%	83.8%
	Change	-2.3	-1.6	-3.2	-2.7	-2.2	-1.9	12.5%	10.9%
ATC 2: Abbots Way (north)	July 2024	24.0	23.7	22.8	22.7	23.1	22.8	65.5%	69.0%
	March 2025	24.2	21.7	23.2	22.5	23.1	21.4	65.1%	77.9%
	Change	0.2	-2	0.4	-0.2	0	-1.4	-0.4%	8.9%
ATC 3: Highfield Lane	July 2024	24.5	24.9	21.0	24.5	23.0	25.0	67.5%	56.6%
	March 2025	23.3	23.4	23.1	18.6	23.9	21.9	60.8%	69.1%
	Change	-1.2	-1.5	2.1	-5.9	0.9	-3.1	-6.7%	12.5%
ATC 4: Portwood Road (Sainsbury's)	July 2024	19.6	20.8	17.2	18.1	18.5	19.5	94.7%	88.7%
	March 2025	22.3	18.8	21.5	17.3	21.6	17.3	83.1%	93.3%
	Change	2.7	-2	4.3	-0.8	3.1	-2.2	-11.6%	4.6%
ATC 5: Abbots Way (east)	July 2024	22.1	21.7	21.9	21.4	21.6	21.2	84.2%	87.1%
	March 2025	20.1	22.4	19.3	21.5	18.7	21.1	88.1%	74.4%
	Change	-2	0.7	-2.6	0.1	-2.9	-0.1	3.9%	-12.7%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 6: Russell Place	July 2024	23.5	23.2	23.6	23.0	23.0	22.6	72.7%	76.6%
	March 2025	16.9	14.8	19.2	18.8	18.3	17.3	83.9%	87.9%
	Change	-6.6	-8.4	-4.4	-4.2	-4.7	-5.3	11.2%	11.3%
ATC 7: Winn Road	July 2024	22.7	21.6	23.1	21.6	23.1	22.0	68.5%	72.7%
	March 2025	21.3	21.3	21.4	20.8	21.5	21.1	76.1%	78.8%
	Change	-1.4	-0.3	-1.7	-0.8	-1.6	-0.9	7.6%	6.1%
ATC 8: Westwood Road	July 2024	21.2	21.1	20.6	20.4	20.8	20.6	88.3%	91.6%
	March 2025	14.6	15.5	14.7	15.5	14.8	15.6	99.9%	99.8%
	Change	-6.6	-5.6	-5.9	-4.9	-6	-5	11.6%	8.2%
ATC 9: Portswood Road (Waitrose)	July 2024	22.5	23.1	19.7	20.5	20.9	21.6	85.7%	81.2%
	March 2025	19.6	21.2	17.7	20.1	17.9	20.4	93.4%	85.9%
	Change	-2.9	-1.9	-2	-0.4	-3	-1.2	7.7%	4.7%
ATC 10: Portswood Road (Farmfoods)	July 2024	19.9	19.8	15.9	16.6	17.3	17.6	94.6%	94.9%
	March 2025	17.8	18.3	16.1	16.4	16.6	16.6	96.1%	96.5%
	Change	-2.1	-1.5	0.2	-0.2	-0.7	-1	1.5%	1.6%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 11: Portswood Road (Rigby Road)	July 2024	22.4	20.3	21.5	18.8	21.8	20.0	86.4%	86.5%
	March 2025	20.2	14.1	19.5	13.3	19.9	13.8	92.1%	98.1%
	Change	-2.2	-6.2	-2	-5.5	-1.9	-6.2	5.7%	11.6%
ATC 12: Westridge Road	July 2024	17.8	15.8	17.3	16.1	17.4	15.9	96.2%	98.9%
	March 2025	16.7	16.6	15.7	15.6	16.0	15.6	97.7%	99.0%
	Change	-1.1	0.8	-1.6	-0.5	-1.4	-0.3	1.5%	0.1%
ATC 13: Belmont Road South	July 2024	24.1	22.3	24.0	22.1	23.8	22.1	63.9%	75.4%
	March 2025	20.8	20.3	20.8	20.0	21.3	20.5	75.3%	81.4%
	Change	-3.3	-2	-3.2	-2.1	-2.5	-1.6	11.4%	6.0%
ATC 14: St Denys Road	July 2024	18.4	21.4	18.1	19.1	18.6	20.6	95.1%	91.3%
	March 2025	14.9	19.4	15.3	17.2	15.1	18.7	99.0%	97.8%
	Change	-3.5	-2	-2.8	-1.9	-3.5	-1.9	3.9%	6.5%
ATC 15: Bevois Hill	July 2024	15.8	17.2	14.6	17.0	15.6	17.6	97.5%	96.1%
	March 2025	16.5	17.6	14.7	16.5	15.6	17.5	96.2%	95.8%
	Change	0.7	0.4	0.1	-0.5	0	-0.1	-1.3%	-0.3%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 16: Brookvale Road 2	March 2025	21.5	21.8	19.9	19.4	20.8	20.7	84.4%	83.1%

**Table 2-4 – ATC Average Speed Saturday**

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 1: Brookvale Road	July 2024	23.3	23.7	23.4	23.9	22.6	23.1	72.3%	69.8%
	March 2025	21.8	22.7	19.4	20.4	20.6	21.2	84.4%	82.5%
	Change	-1.5	-1	-4	-3.5	-2	-1.9	12.1%	12.7%
ATC 2: Abbots Way (north)	July 2024	20.5	21.4	24.0	23.1	21.3	21.1	75.4%	77.9%
	March 2025	24.1	22.2	22.6	21.2	22.4	20.5	68.6%	83.4%
	Change	3.6	0.8	-1.4	-1.9	1.1	-0.6	-6.8%	5.5%
ATC 3: Highfield Lane	July 2024	25.9	26.0	24.4	24.9	23.3	25.2	63.2%	53.7%
	March 2025	23.9	24.3	23.8	21.6	24.2	22.4	58.5%	67.8%
	Change	-2	-1.7	-0.6	-3.3	0.9	-2.8	-4.7%	14.1%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 4: Portswood Road Sainsbury's)	July 2024	19.7	21.3	18.1	18.9	18.3	19.2	94.5%	88.0%
	March 2025	22.0	18.2	20.8	16.6	21.0	16.6	85.5%	95.1%
	Change	2.3	-3.1	2.7	-2.3	2.7	-2.6	-9.0%	7.1%
ATC 5: Abbotts Way (east)	July 2024	22.6	21.4	21.3	21.1	21.0	20.8	85.6%	87.2%
	March 2025	19.4	20.8	19.7	20.4	18.6	19.9	89.8%	79.1%
	Change	-3.2	-0.6	-1.6	-0.7	-2.4	-0.9	4.2%	-8.1%
ATC 6: Russell Place	July 2024	23.2	23.6	22.5	22.3	22.2	22.5	79.1%	76.7%
	March 2025	18.8	17.0	20.4	19.5	19.5	18.5	80.2%	82.9%
	Change	-4.4	-6.6	-2.1	-2.8	-2.7	-4	1.1%	6.2%
ATC 7: Winn Road	July 2024	22.4	18.9	23.4	22.4	23.2	22.0	67.7%	72.1%
	March 2025	23.4	22.7	22.0	21.3	22.3	21.7	70.2%	75.9%
	Change	1	3.8	-1.4	-1.1	-0.9	-0.3	2.5%	3.8%
ATC 8: Westwood Road	July 2024	21.5	21.3	21.1	21.5	20.7	21.0	88.7%	90.2%
	March 2025	15.0	15.8	14.7	15.6	14.9	15.8	100.0%	99.8%
	Change	-6.5	-5.5	-6.4	-5.9	-5.8	-5.2	11.3%	9.6%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 9: Portswood Road (Waitrose)	July 2024	23.9	24.6	20.8	22.1	21.4	22.2	83.8%	78.8%
	March 2025	19.6	21.8	17.4	19.8	17.7	20.3	94.3%	87.2%
	Change	-4.3	-2.8	-3.4	-2.3	-3.7	-1.9	10.5%	8.4%
ATC 10: Portswood Road (Farmfoods)	July 2024	20.7	20.7	16.3	17.1	17.2	17.4	94.8%	94.8%
	March 2025	17.8	17.6	15.5	16.0	16.0	16.0	96.3%	96.8%
	Change	-2.9	-3.1	-0.8	-1.1	-1.2	-1.4	1.5%	2.0%
ATC 11: Portswood Road (Rigby Road)	July 2024	22.9	21.4	21.6	19.5	21.9	19.5	85.7%	87.8%
	March 2025	20.6	15.3	19.4	13.5	19.8	14.0	92.5%	98.0%
	Change	-2.3	-6.1	-2.2	-6	-2.1	-5.5	6.8%	10.2%
ATC 12: Westridge Road	July 2024	18.5	16.2	17.6	15.7	17.4	15.5	96.2%	98.9%
	March 2025	16.7	16.5	16.3	15.7	16.2	15.6	97.4%	98.9%
	Change	-1.8	0.3	-1.3	0	-1.2	0.1	1.2%	0.0%
ATC 13: Belmont Road South	July 2024	24.5	23.9	24.3	22.4	24.2	22.6	60.3%	72.5%
	March 2025	21.9	21.0	21.3	20.6	21.8	20.6	72.8%	82.0%
	Change	-2.6	-2.9	-3	-1.8	-2.4	-2	12.5%	9.5%

Location	Date	AM Peak Period 07:00-10:00 Average Speed (mph)		PM Peak Period 16:00-19:00 Average Speed (mph)		All Day Average Speed (mph)		Percentage of Average Speed below 24mph	
		NB	SB	NB	SB	NB	SB	NB	SB
ATC 14: St Denys Road	July 2024	19.4	20.1	18.3	18.9	18.6	19.0	95.9%	93.4%
	March 2025	17.0	20.0	14.8	18.3	15.4	18.7	99.0%	97.7%
	Change	-2.4	-0.1	-3.5	-0.6	-3.2	-0.3	3.1%	4.3%
ATC 15: Bevois Hill	July 2024	17.3	18.0	15.3	16.8	15.5	16.9	97.1%	96.9%
	March 2025	17.6	18.6	14.4	16.7	15.5	17.4	96.2%	95.8%
	Change	0.3	0.6	-0.9	-0.1	0.0	0.5	-0.9%	-1.1%
ATC 16: Brookvale Road 2	March 2025	23.4	23.9	22.0	22.7	22.7	23.3	74.0%	71.0%



## 2.2 PEDESTRIANS AND CYCLISTS

- 2.2.1. Data has been recorded at three locations along Portswood Road, as shown in Figure 1-1 presented previously. The data presented is from Tuesday 9<sup>th</sup> July 2024 and Tuesday 25<sup>th</sup> March 2025.
- 2.2.2. Table 2-5 presents a pre- and during-trial comparison in weekday pedestrian counts in July 2024 (pre-trial) and March 2025 (during the trial period) and Table 2-6 presents a pre- and during-trial comparison in weekday cyclist counts in July 2024 (pre-trial) and March 2025 (during the trial period). The surveys were three pedestrian and cycle surveys undertaken on the dates outlined above and a permanent Vivacity Camera located on Portswood Road.
- 2.2.3. The tables show the number of NMUs during the bus gate operation times during the morning and afternoon, and a 12-hour period during the day (07:00-19:00). Vivacity data is also provided for the morning and afternoon time periods, and a 24-hour day.
- 2.2.4. The counts have been separated into northbound (NB) and southbound (SB) directions, if available.
- 2.2.5. The percentage change is presented: red indicating a decrease in counts of over 10% and green indicating an increase in counts of over 10%. Orange coloured text shows a +/- 10%.

**Table 2-5 –Pedestrian comparison - July 2024 and March 2025**

Location		July 2024 Pre-Trial			March 2025 During Trial			Percentage change		
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00
NMU 1: Portswood Road (Between Brookvale Road and Westridge Road)	NB	312	497	2091	410	773	2950	31%	56%	41%
	SB	297	511	2104	271	1012	2845	-9%	98%	35%
NMU 2: Portswood Road (Between Sainsbury's and St Denys Road)	NB	134	363	1017	209	674	1650	56%	86%	62%
	SB	191	298	969	255	494	1536	34%	66%	59%
NMU 3: Portswood Road (Between Spring Crescent and Brookvale Road)	NB	166	288	821	280	504	1582	69%	75%	93%
	SB	116	339	813	185	684	1519	59%	102%	87%
Vivacity		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00
Portswood Road (Between St Denys Road and Westridge Road)		364	883	3,986	910	2,611	11,007	150%	196%	176%

**Table 2-6 –Cyclists comparison - July 2024 and March 2025**

Location		July 2024 Pre-Trial			March 2025 During Trial			Percentage change		
		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	12 Hour Period 07:00-19:00
NMU 1: Portwood Road (Between Brookvale Road and Westridge Road)	NB	44	80	206	43	95	251	-2%	19%	22%
	SB	43	89	219	40	109	259	-7%	22%	18%
NMU 2: Portwood Road (Between Sainsbury's and St Denys Road)	NB	26	38	116	29	55	115	12%	45%	-1%
	SB	19	59	139	28	65	151	47%	10%	9%
NMU 3: Portwood Road (Between Spring Crescent and Brookvale Road)	NB	36	60	155	27	72	188	-25%	20%	21%
	SB	40	73	183	31	92	214	-23%	26%	17%
Vivacity		AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00	AM Peak Period 07:00-10:00	PM Peak Period 16:00-19:00	24 Hour Period 00:00-24:00
Portwood Road (Between St Denys Road and Westridge Road)		10	26	100	39	118	457	690%	731%	749%

## 2.3 JUNCTION TURNING COUNTS

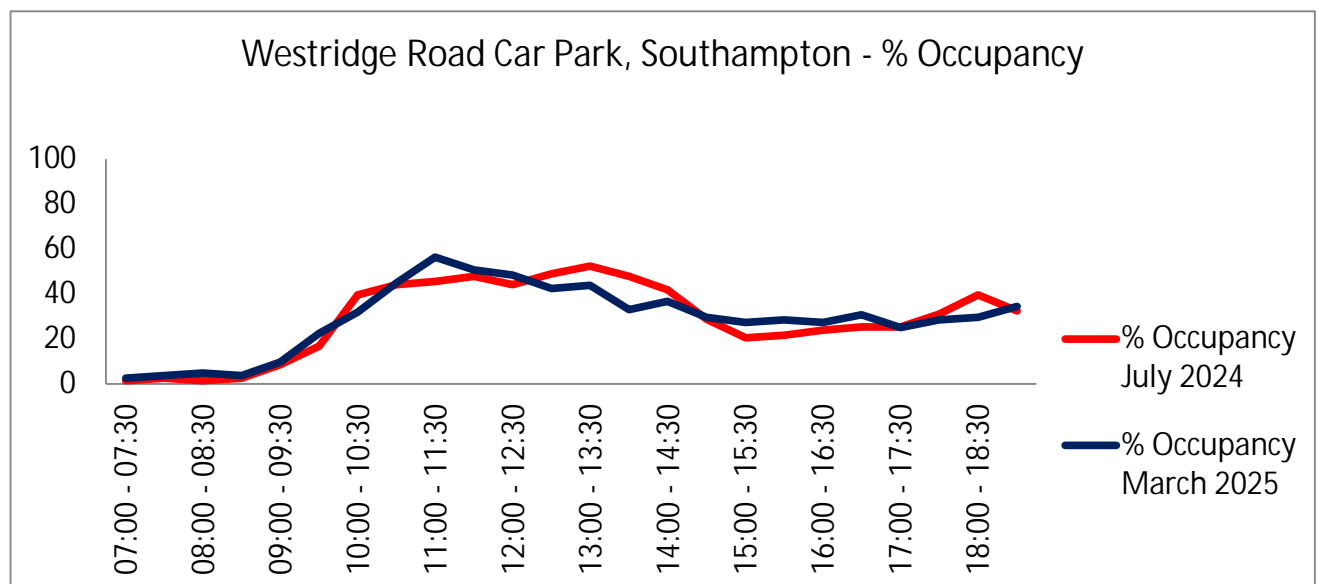
- 2.3.1. Data has been recorded at 17 junctions and roundabouts. The data presented is from July 2024 and March 2025. The junction turning counts were undertaken on a single weekday and a Saturday in each of the months between 07:00-19:00.
- 2.3.2. Traffic flow diagrams have been produced to provide the percentage difference between the July 2024 and March 2025 for the AM Peak Period (07:00-10:00) and PM Peak Period (16:00-19:00) peaks and all day (07:00-19:00). These are presented in Appendix A. Green coloured cells show a reduction in traffic flow and red coloured cells show an increase in traffic flow. Orange coloured cells show a +/- 10%. It is worth noting that the Highfield Lane/ Upper Shaftsbury Avenue survey date was Saturday 5<sup>th</sup> April a week after the other surveys due to road works closing Upper Shaftsbury Avenue, hence discrepancies in the figures.

## 2.4 PARKING

### OFF-STREET PARKING

- 2.4.1. A parking survey was undertaken of SCC's Westridge Road Car Park for a single day on Tuesday 25<sup>th</sup> March 2025 and compared to Tuesday 9<sup>th</sup> July 2024 baseline. The survey was undertaken between 07:00-19:00 with the occupancy reviewed every half an hour. **Figure 2-2** presents the comparison occupancy of the Westridge Road Car Road between July 2024 and March 2025, the capacity of Westridge Road Car Park is 85 spaces. Table 2-7 presents the accumulation of the Westridge Road Car Park taken from the traffic surveys.

**Figure 2-2 - Westridge Road Car Park - Percentage Occupancy March 2025 and July 2024**



**Table 2-7 - Westridge Road Car Park accumulation in March 2025 and July 2024**

	Jul-24	Mar-25	Difference
07:00 - 07:30	1	2	1
07:30 - 08:00	2	3	1

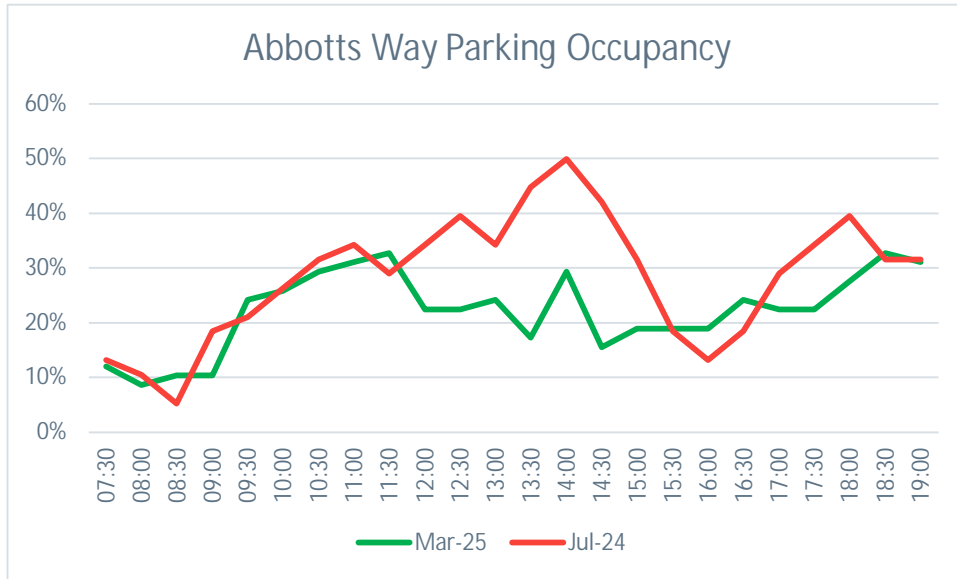
08:00 - 08:30	1	4	3
08:30 - 09:00	2	3	1
09:00 - 09:30	7	8	1
09:30 - 10:00	14	19	5
10:00 - 10:30	33	27	-6
10:30 - 11:00	37	38	1
11:00 - 11:30	38	48	10
11:30 - 12:00	40	43	3
12:00 - 12:30	37	41	4
12:30 - 13:00	41	36	-5
13:00 - 13:30	44	37	-7
13:30 - 14:00	40	28	-12
14:00 - 14:30	35	31	-4
14:30 - 15:00	24	25	1
15:00 - 15:30	17	23	6
15:30 - 16:00	18	24	6
16:00 - 16:30	20	23	3
16:30 - 17:00	21	26	5
17:00 - 17:30	21	21	0
17:30 - 18:00	26	24	-2
18:00 - 18:30	33	25	-8
18:30 - 19:00	27	29	2

## ON-STREET PARKING

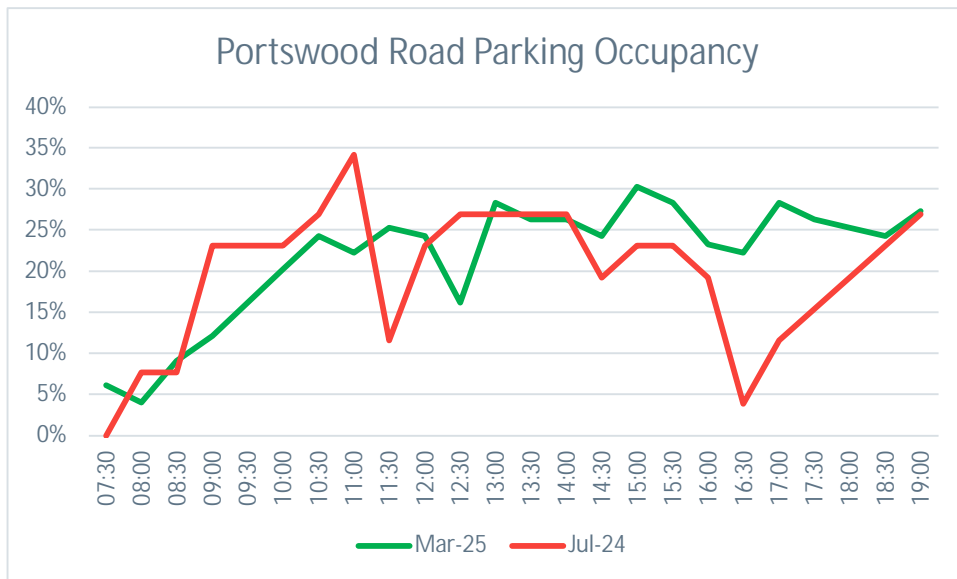
- 2.4.2. An on-street parking survey was undertaken on the 9<sup>th</sup> July 2024 and on the 25<sup>th</sup> March 2025, at various times of day. The on-street parking survey was undertaken on Abbots Way, Portswood Road, Russell Place, St Denys Road spur and Westridge Road. A series of graphs compare the On-street parking occupancy between July 2024 and March 2025 in Figures 2-3 to Figure 2-7. If a road has an occupancy of over 100% this is due to vehicles parking outside of the marked bays on a road.

- 2.4.3. It is worth noting there are parking restrictions in place on the residential roads of Russell Place, Abbotts Way and Westridge Road between 08:00 and 18:00 on a weekday to stop visitors parking in these locations all day. The parking restrictions on the roads assessed are as follows; Russell Place and Abbotts Way fall in Residents Parking Zone 12 which is 0800-1800 Monday-Friday allowing two hours of parking, St Denys Road spur is 30 minutes 0800-1800 no return within 30 minutes Mon-Fri, and Westridge Road has Limited Waiting Bays 0800-1800 Mon-Fri 1hr no return within one hour.

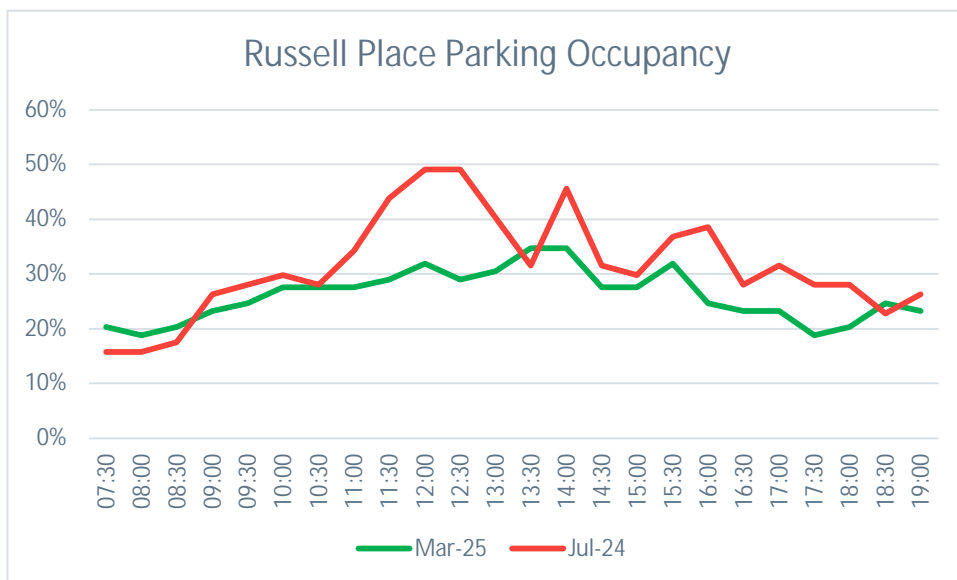
**Figure 2-3 - Abbots Way - Percentage Occupancy March 2025 and July 2024**



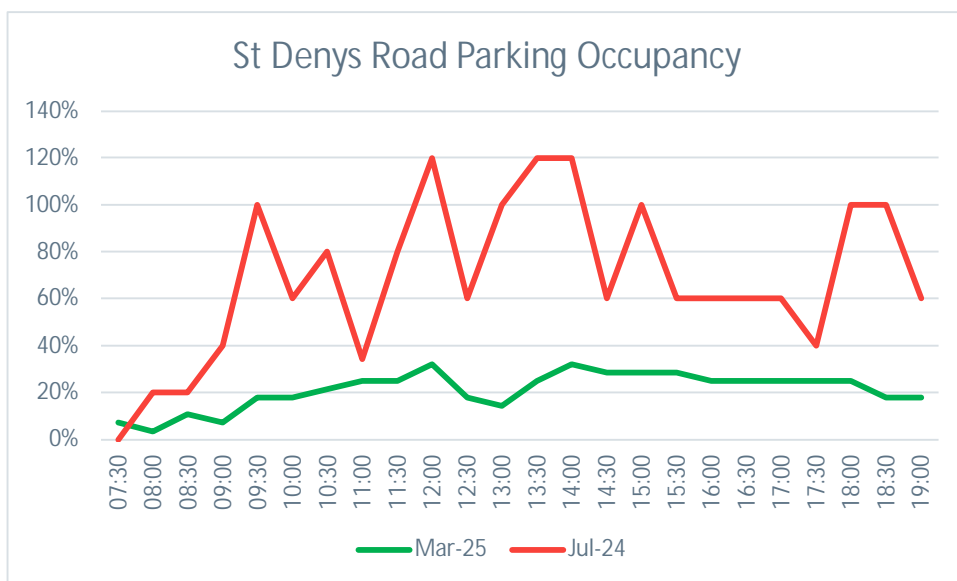
**Figure 2-4 - Portswood Road - Percentage Occupancy March 2025 and July 2024**



**Figure 2-5 - Russell Place - Percentage Occupancy March 2025 and July 2024**

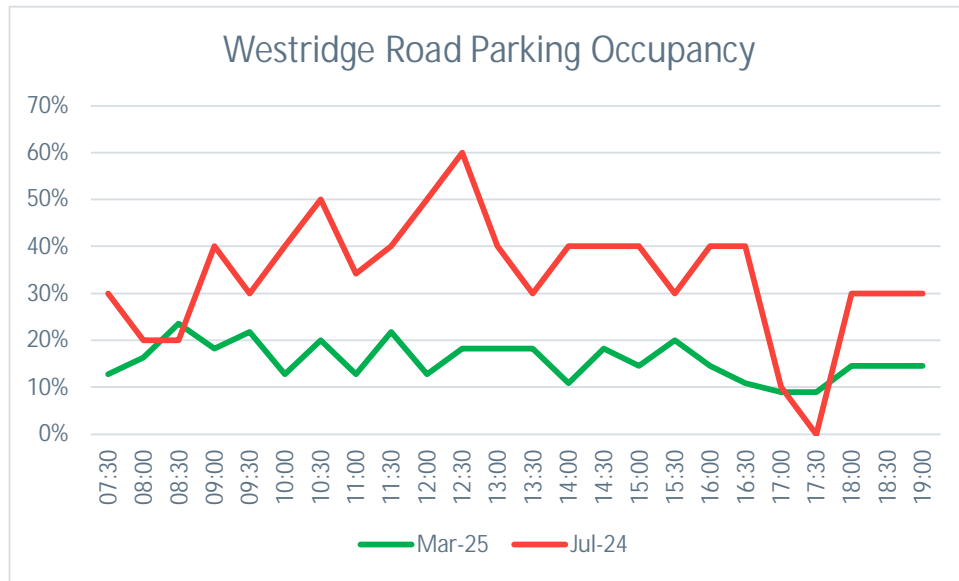


**Figure 2-6 - St Denys Road - Percentage Occupancy March 2025 and July 2024**





**Figure 2-7 - Westridge Road - Percentage Occupancy March 2025 and July 2024**



## 2.5 BUS REVIEW

- 2.5.1. A series of bus services have assessed on Portswood Road in July 2024 and April 2025. The services reviewed were the Unilink U1A and U6H and Bluestar 2 and 20. The assessment details the percentage difference in the bus services arriving “on-time” and “late” at Portswood Road bus stop. The definition for “on-time” is a bus service that arrives between a minute early to the stop or within five minutes of the posted time. A definition for a “late” is a bus service that arrives five minutes of the posted time. These definitions are taken from the Department of Transport. The following bullets details the assessment in the Tables below.
- Table 2-8 – presents the percentage difference in the number of bus services classified as on-time between April 2025 and July 2024 on a weekday.
  - Table 2-9 – presents the percentage difference in the number of bus services classified as late between April 2025 and July 2024 on a weekday.
  - Table 2-10 - presents the percentage difference in the number of bus services classified as on-time between April 2025 and July 2024 on a Saturday.
  - Table 2-11 - presents the percentage difference in the number of bus services classified as late between April 2025 and July 2024 on a Saturday
- 2.5.2. In Table 2-8 and Table 2-10, green coloured cells show an increase in buses “on time” by over 10% and red coloured cells show a decrease in buses “on time” by over 10%. Orange coloured cells show a +/- 10%. In Table 2-9 and Table 2-11, green coloured cells show a decrease in buses “late” by over -10% and red coloured cells show an increase in buses “late” by over 10%. Orange coloured cells show a +/- 10%.

**Table 2-8 – Difference in Weekday On-time between April 2025 and July 2024**

Service	Direction	July 2024			April 2025			Difference		
		AM	IP	PM	AM	IP	PM	AM	IP	PM
BS20	Out	85.7	80.4	75.9	93.8	85.1	90.9	8.1	4.7	15
	In	53.3	76	78.4	81	79.9	85.1	27.7	3.9	6.7
BS2	Out	90.2	89.5	89.1	92.7	84.4	89.7	2.5	-5.1	0.6
	In	92.9	91.6	86.7	91.3	87.3	81.7	-1.6	-4.3	-5
U1	Out	80.5	85.1	53.9	95.7	91.5	91.3	15.2	6.4	37.4
	In	89.3	100	93.3	94.7	100	100	5.4	0	6.7
U6	Out	92.9	91.8	82.1	97.3	99	94.3	4.4	7.2	12.2
	In	92.9	96.4	95.6	96.3	96.6	90.4	3.4	0.2	-5.2

**Table 2-9 - Difference in Weekday Late between April 2025 and July 2024**

Service	Direction	July 2024			April 2025			Difference		
		AM	IP	PM	AM	IP	PM	AM	IP	PM
BS20	Out	14.3	18.5	22.2	4.3	13.8	7	-10	-4.7	-15.2
	In	6.5	8.2	17.9	18.7	18.3	10.4	12.2	10.1	-7.5
BS2	Out	5.9	9.4	9.2	6.3	14.6	7.4	0.4	5.2	-1.8
	In	2.1	3.3	6	6.7	10	15.5	4.6	6.7	9.5
U1	Out	19.5	14.9	46.1	2.4	7.4	8.1	-17.1	-7.5	-38
	In	10.7	0	6.7	5.3	0	0	-5.4	0	-6.7
U6	Out	6.5	8.2	17.9	1.8	0.7	2.9	-4.7	-7.5	-15
	In	7.1	3	3.7	3.7	1.8	8.3	-3.4	-1.2	4.6

**Table 2-10 - Difference in Saturday On-time between April 2025 and July 2024**

Service	Direction	July 2024			April 2025			Difference		
		AM	IP	PM	AM	IP	PM	AM	IP	PM
BS20	Out	88.9	75	81.8	100	74.7	70.5	11.1	-0.3	-11.3
	In	83.3	62.5	77.8	100	64.6	84.4	16.7	2.1	6.6
BS2	Out	90.5	88.9	93.9	96.3	78.1	77.3	5.8	-10.8	-16.6
	In	81	87	91.7	85.7	85.9	91.7	4.7	-1.1	0
U1	Out	52.4	87.5	77.8	100	89.2	91.7	47.6	1.7	13.9
	In	100	100	100	100	No Data	No Data	0	N/A	N/A
U6	Out	100	60	93.8	100	94.4	88.9	0	34.4	-4.9
	In	94.1	86.1	100	94.4	100	94.4	0.3	13.9	-5.6

**Table 2-11 - Difference in Saturday Late between April 2025 and July 2024**

Service	Direction	July 2024			April 2025			Difference		
		AM	IP	PM	AM	IP	PM	AM	IP	PM
BS20	Out	7.4	25	18.2	0	23.1	29.5	-7.4	-1.9	11.3
	In	3.3	33.3	16.7	0	32.3	15.6	-3.3	-1	-1.1
BS2	Out	4.8	8.3	0	3.7	18.8	20.5	-1.1	10.5	20.5
	In	9.5	5.8	0	14.3	12	4.2	4.8	6.2	4.2
U1	Out	47.6	12.5	19.4	0	10.8	8.3	-47.6	-1.7	-11.1
	In	0	0	0	0	No Data	No Data	0	N/A	N/A
U6	Out	7	40	6.3	0	2.8	11.1	-7	-37.2	4.8
	In	5.9	13.9	0	5.6	0	0	-0.3	-13.9	0

### 3 NEXT STEPS

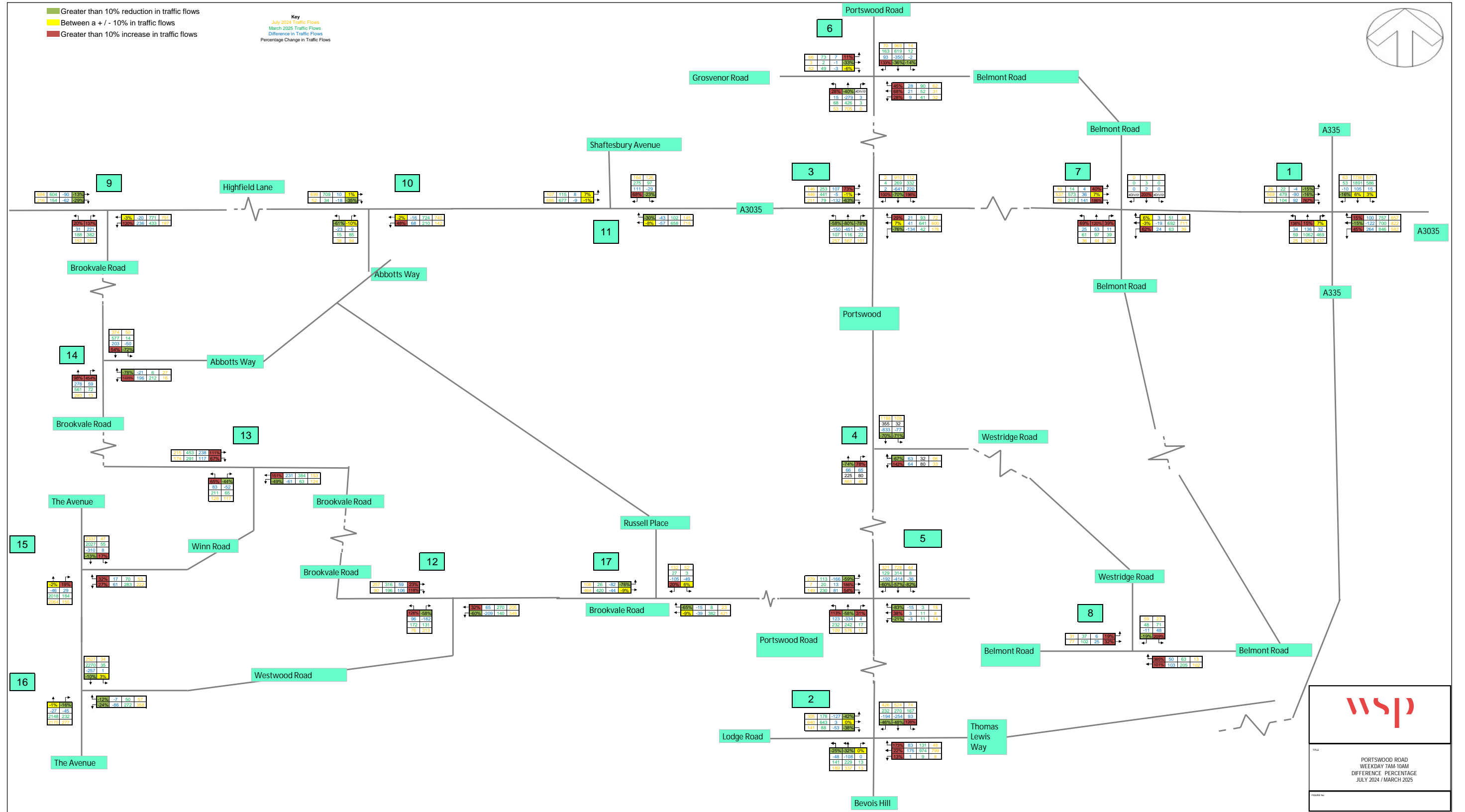
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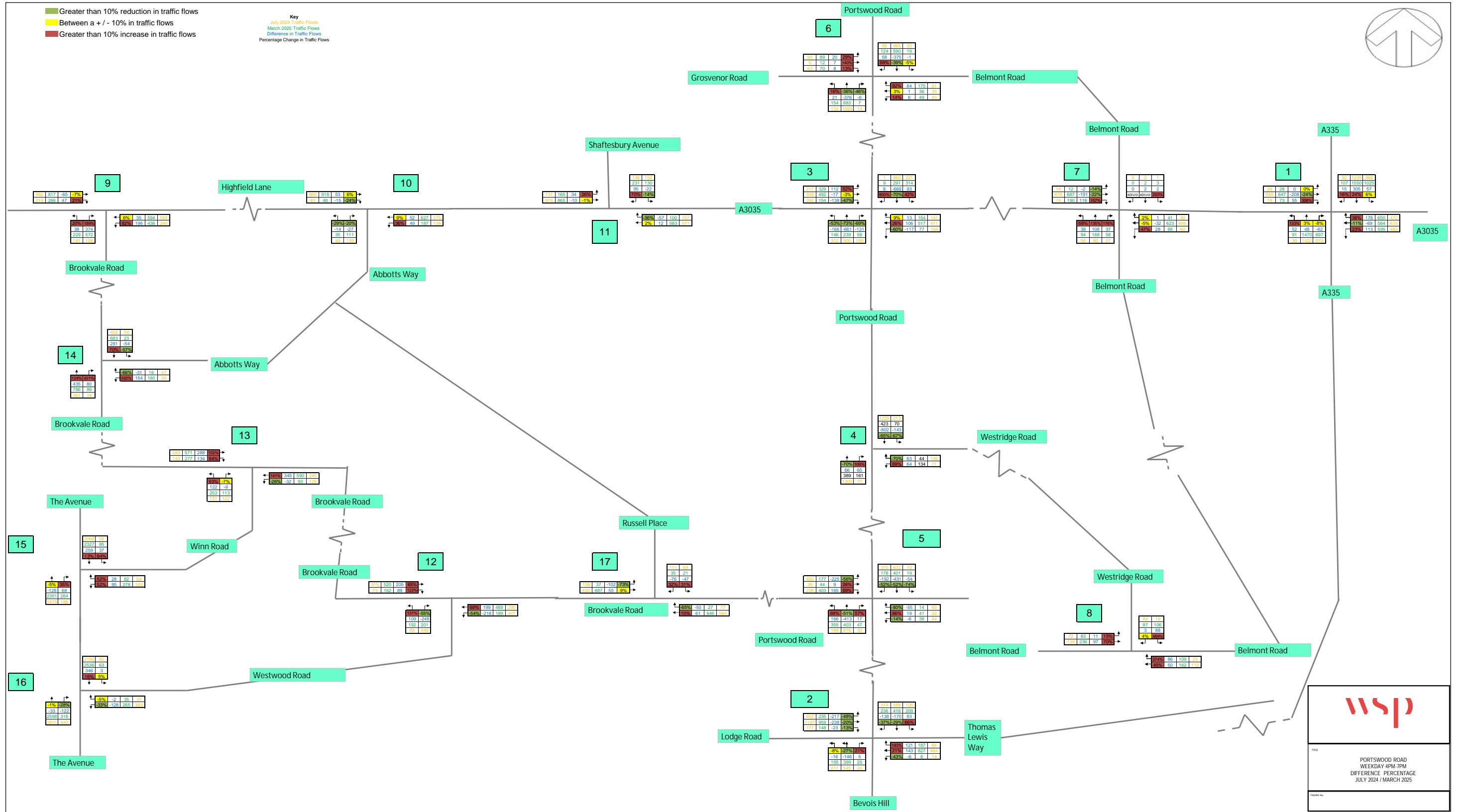
- 3.1.1. The next steps on the monitoring of the Bus Gate and the Active Travel Zone around Highfield will occur with continuation of the monthly dashboards until July 2025 and then in July 2025 a full set of surveys to mirror those undertaken in July 2024. The following report will comment on each of the Objectives outlined in the Baseline Report to measure the success of the Scheme.

# Appendix A

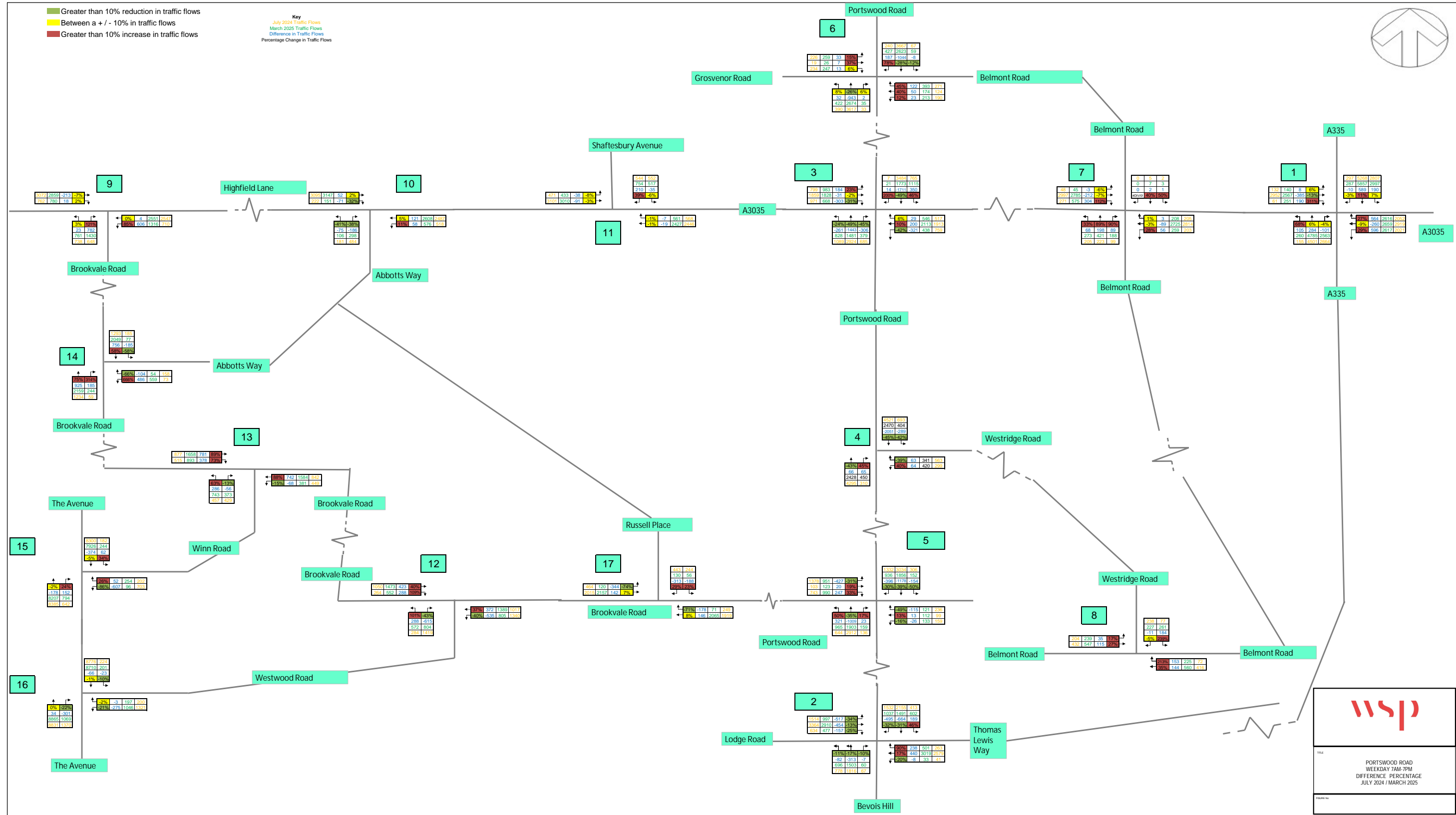
## TRAFFIC FLOW DIAGRAMS









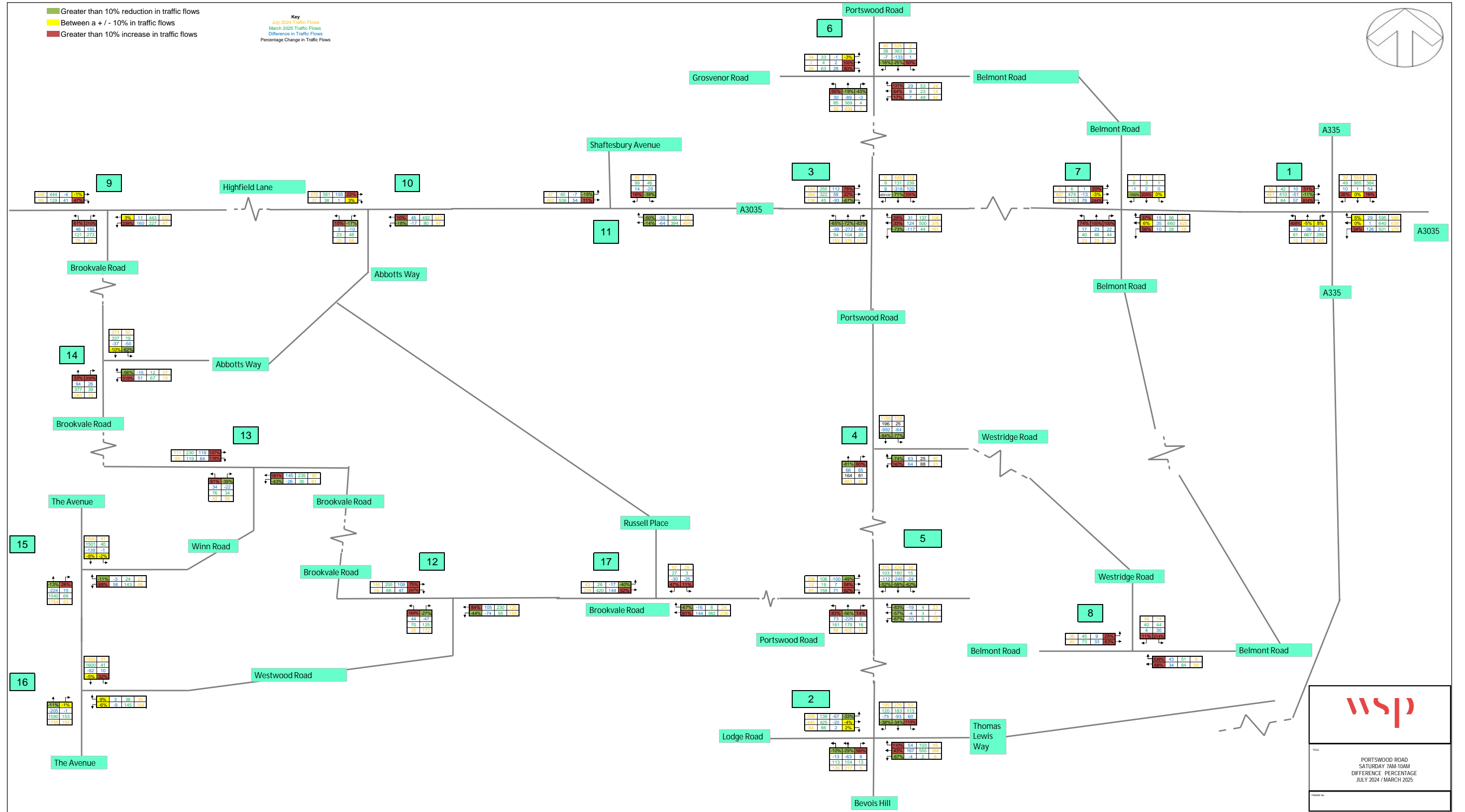


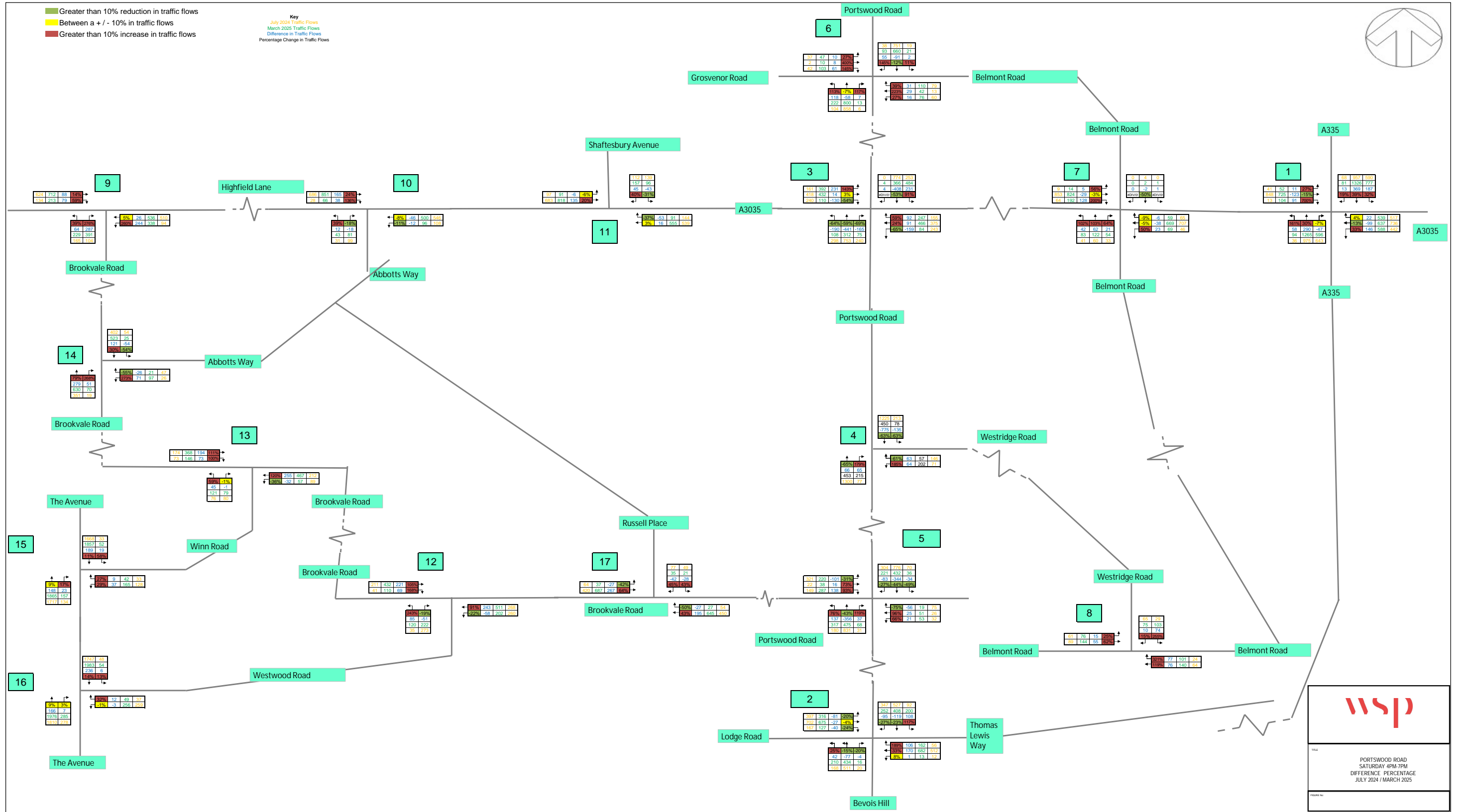
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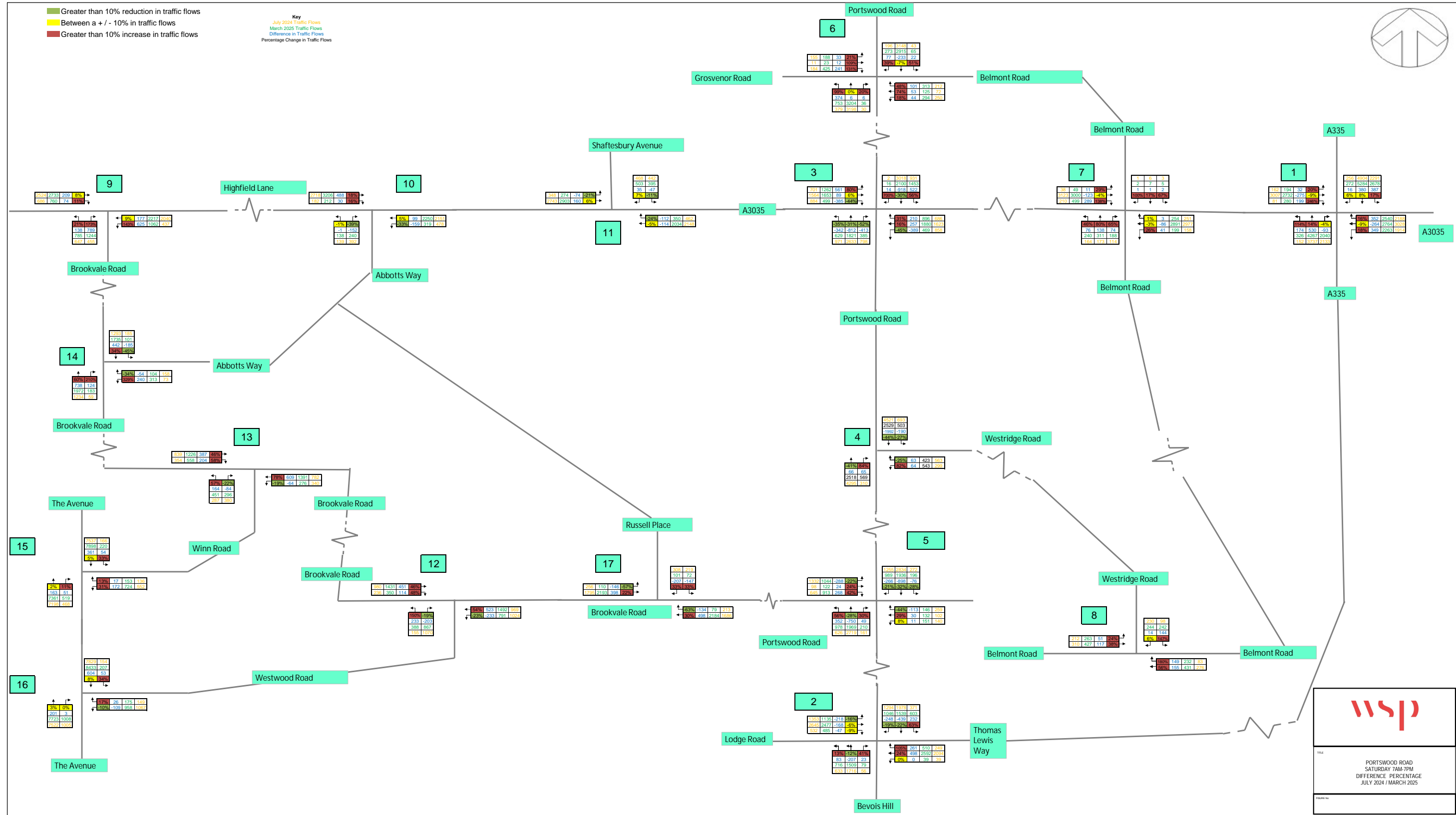
TITLE

PORTWOOD ROAD  
WEEKDAY 7AM-7PM  
DIFFERENCE PERCENTAGE  
JULY 2024 / MARCH 2025

Drawn By









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Southampton, Hampshire  
SO15 2BE

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