

**APPENDIX 10.4**  
**BASELINE AND FUTURE TRAFFIC FLOWS**

**HOMEBASE SYON LANE**

All flows 18 Hour AAWT / Based on P01.8 Traffic Data

		2026 Development + Committed				Peak Full Development		dB change		Max dB change		Magnitude based on Table 10.9
Reference	Location	2026 Baseline		Base + Development + Committed Develop		Daily Vehicles	Daily HGV	Daily Vehicles	Daily HGV			
		18hr AAWT	%HGV	18hr AAWT	%HGV							
1	A310 Twickenham Road (south of A315, London Road)	21496	7.8	21351	7.8	0.0	0.0	0.2	0.9		Negligible	
2	A315 London Road (west of Syon Lane/Twickenham Road junction)	10956	12.0	10811	12.1	-0.1	0.1					
3	A315 London Road (east of Syon Lane/Twickenham Road junction)	14628	12.1	14482	12.2	0.0	0.0					
4	Syon Lane - North of A315, London Road	19139	4.5	18703	4.6	-0.1	0.1					
5	Syon Lane- South-east of Homebase site access	21808	6.2	21371	6.3	-0.1	0.1					
6	A4 - East of Syon Lane	51826	4.5	51306	4.8	0.0	0.2					
7	A4 - West of Syon Lane	42438	4.7	42164	4.8	0.0	0.1					
8	Syon Lane - North of A4	22720	3.1	23608	3.7	0.2	0.8					
9	Syon Lane - South-east of Tesco access	21584	4.9	17922	6.1	-0.8	0.9					
10	Syon Lane - North of Asda access	20759	2.4	20420	2.4	-0.1	0.1					
11	Northumberland Avenue	3577	1.5	3566	1.5	0.0	0.0					

		2026 Two Food Store Scenario				Peak Full Development		dB change		Max dB change		Magnitude based on Table 10.9
Reference	Location	2026 Baseline		2026 Base + Development + 2 Food Store		Daily Vehicles	Daily HGV	Daily Vehicles	Daily HGV			
		18hr AAWT	%HGV	18hr AAWT	%HGV							
1	A310 Twickenham Road (south of A315, London Road)	21496	7.8	21948	7.7	0.1	-0.1	1.3	0.0		Minor Adverse	
2	A315 London Road (west of Syon Lane/Twickenham Road junction)	10956	12.0	11408	11.6	0.2	-0.1					
3	A315 London Road (east of Syon Lane/Twickenham Road junction)	14628	12.1	15080	11.7	0.1	-0.1					
4	Syon Lane - North of A315, London Road	19139	4.5	20495	4.3	0.3	-0.2					
5	Syon Lane- South-east of Homebase site access	21808	6.2	23163	5.9	0.3	-0.2					
6	A4 - East of Syon Lane	51826	4.5	54020	4.4	0.2	-0.1					
7	A4 - West of Syon Lane	42438	4.7	44362	4.5	0.2	-0.2					
8	Syon Lane - North of A4	22720	3.1	30425	2.9	1.3	-0.3					
9	Syon Lane - South-east of Tesco access	21584	4.9	24740	4.5	0.6	-0.4					
10	Syon Lane - North of Asda access	20759	2.4	23914	2.3	0.6	-0.3					
11	Northumberland Avenue	3577	1.5	3618	1.5	0.0	0.0					

		2035 No Food Store Scenario				Peak Full Development		dB change		Max dB change		Magnitude based on Table 10.9
Reference	Location	2035 Baseline		2035 Base + Development + No Food Store		Daily Vehicles	Daily HGV	Daily Vehicles	Daily HGV			
		18hr AAWT	%HGV	18hr AAWT	%HGV							
1	A310 Twickenham Road (south of A315, London Road)	21845	7.9	21316	8.0	-0.1	0.1	0.0	1.4		Negligible	
2	A315 London Road (west of Syon Lane/Twickenham Road junction)	11045	12.2	10515	12.7	-0.2	0.2					
3	A315 London Road (east of Syon Lane/Twickenham Road junction)	14807	12.2	14278	12.6	-0.2	0.1					
4	Syon Lane - North of A315, London Road	19065	4.7	17477	5.0	-0.4	0.3					
5	Syon Lane- South-east of Homebase site access	21799	6.4	20208	6.8	-0.3	0.3					
6	A4 - East of Syon Lane	52180	4.5	49616	4.7	-0.2	0.2					
7	A4 - West of Syon Lane	43382	4.6	43105	4.8	0.0	0.2					
8	Syon Lane - North of A4	28029	3.2	20857	3.9	-1.3	0.9					
9	Syon Lane - South-east of Tesco access	22030	5.1	14858	7.0	-1.7	1.4					
10	Syon Lane - North of Asda access	21159	2.5	17571	2.8	-0.8	0.5					
11	Northumberland Avenue	3577	1.5	3523	1.5	-0.1	0.0					

		2019 Baseline		2026 Baseline		dB change		Max dB change		Magnitude based on Table 10.9
Reference	Location	18hr AAWT	%HGV	18hr AAWT	%HGV	Daily Vehicles	Daily HGV	Daily Vehicles	Daily HGV	
1	A310 Twickenham Road (south of A315, London Road)	20962	7.9	21496	7.8	0.1	-0.1	0.5	0.0	Negligible
2	A315 London Road (west of Syon Lane/Twickenham Road junction)	10547	12.3	10956	12.0	0.2	-0.1			
3	A315 London Road (east of Syon Lane/Twickenham Road junction)	14175	12.3	14628	12.1	0.1	-0.1			
4	Syon Lane - North of A315, London Road	18074	4.8	19139	4.5	0.2	-0.2			
5	Syon Lane- South-east of Homebase site access	20710	6.5	21808	6.2	0.2	-0.2			
6	A4 - East of Syon Lane	51370	4.5	51826	4.5	0.0	0.0			
7	A4 - West of Syon Lane	41324	4.6	42438	4.7	0.1	0.0			
8	Syon Lane - North of A4	24453	3.3	22720	3.1	-0.3	-0.2			
9	Syon Lane - South-east of Tesco access	19134	5.2	21584	4.9	0.5	-0.2			
10	Syon Lane - North of Asda access	18362	2.6	20759	2.4	0.5	-0.2			
11	Northumberland Avenue	3577	1.5	3577	1.5	0.0	0.0			