

Appendix: Air Quality

Annex 1: Glossary

Annex 2: Traffic Data

Annex 3: Model Verification Study



ANNEX 2 - TRAFFIC DATA

Table 2.1: Baseline Traffic Data (2019)

Road Link	AADT	HGV	Speed (kph)	
			Freeflow	Congestion/ Junction
Abbott Road (East of Underpass)	8466	0.5%	35	20
Abbott Road (East of Oban Street)	7527	0.8%	30	20
Leven Road	1398	2.4%	26	20
Oban Street	987	0.5%	24	20
Bromley Hall Road	1254	2.4%	32	20
Lochnagar Street	3079	5.9%	32	20
Zetland Street	3086	7.6%	32	20
Abbott Road Underpass (One-Way)	2767	6.0%	32	20
A1206 Preston's Road	20739	7.7%	32	20
A12 (Between Lochnagar Street and A13)	82024	4.8%	64	30
A12 (North of Lochnagar Street)	79039	5.6%	64	30
A12 On-slip from A13 (St. Leonards Road)	18462	6.1%	48	30
Trafalgar Way	2994	5.6%	32	20
Upper Bank Street	9412	12.0%	48	30
Poplar High Street	6228	3.9%	32	20
Saltwell Street	6308	3.9%	32	20
A1206 Cotton Street	30047	11.1%	32	20
A1261 Aspen Way (West of A12)	105909	15.2%	64	30
Blackwall Tunnell	71397	4.8%	48	30
Upper North Street (A13 to Cordelia Street)	5710	1.6%	32	20
Upper North Street (Cordelia Street to B140 St. Paul's Way)	6631	0.9%	32	20
B140-St. Paul's Way	11158	7.0%	32	20
Cordelia Street	2522	0.6%	32	20
Devons Road	9842	2.9%	32	20
Devas Street W of Purdy Street	9399	7.6%	32	20
Chrisp Street (South of Burcham Street)	8358	1.6%	32	20



Chrisp Street (North of Burcham Street)	10018	0.9%	32	20
Campbell Road	9842	2.9%	32	20
Devas Street (West of A12 junction)	9769	9.5%	32	20
Burcham Street/St Leonard Road	4710	3.3%	32	20
A1261 Aspen Way (West of Lower Lea Crossing rbt)	111678	14.9%	64	30
Abbott Road slip to A12	5154	7.4%	32	20
Stephenson Street	6086	7.4%	48	30
A1011 Manor Road (North of A13)	11217	16.8%	48	30
A1011 Manor Road (North of Star Lane)	9277	12.0%	48	30
Cody Road	6189	7.3%	48	30
Star Lane (East of A1011)	8827	5.0%	48	30
A124 (East of Manor Road)	18287	11.2%	48	30
A124 (East of Ordnance Road)	17235	11.0%	48	30
Lower Lea Crossing	37361	15.3%	48	30
A13 (From A12/A13 interchange to Abbott Road)	54401	6.7%	48	30
A13 (West of A12/A13 interchange)	23499	15.0%	48	30
A1020 Leamouth Road	21984	7.3%	48	30
A13 (East of Leamouth Road)	52076	6.0%	48	30
A13 Newham Way (East of Abbott Road)	107775	16.1%	48	30
A1011 Silvertown Way (South of A13)	10506	8.0%	48	30
A12 Off-slip (St. Leonard Road from Blackwall Tunnel)	11714	4.9%	48	30
A102 On-slip (to Blackwall Tunnel)	11389	6.7%	48	30
A102 Off-slip (to A13 east and west)	15270	8.6%	48	30
A102 off-slip (to A13 west)	15989	5.2%	48	30
A102 on-slip (from A13 east)	18561	7.9%	48	30

Table 2.2: Baseline + Committed Developments (2031)

Road Link	AADT	HGV	Speed (kph)	
			Freeflow	Congestion/ Junction
Abbott Road (East of Underpass)	7240	9.6%	35	20
Abbott Road (East of Oban Street)	8965	9.1%	30	20



Leven Road	3744	2.4%	26	20
Oban Street	3333	0.5%	24	20
Bromley Hall Road	1254	2.4%	32	20
Lochnagar Street	2581	7.4%	32	20
Zetland Street	2304	6.7%	32	20
Abbott Road Underpass (One-Way)	5539	8.8%	32	20
A1206 Preston's Road	25156	9.2%	32	20
A12 (Between Lochnagar Street and A13)	88575	9.7%	64	30
A12 (North of Lochnagar Street)	85389	9.1%	64	30
A12 On-slip from A13 (St. Leonards Road)	16237	10.9%	48	30
Trafalgar Way	2343	0.0%	32	20
Upper Bank Street	10250	14.8%	48	30
Poplar High Street	5041	5.3%	32	20
Saltwell Street	4949	4.3%	32	20
A1206 Cotton Street	28339	6.4%	32	20
A1261 Aspen Way (West of A12)	109733	14.4%	64	30
Blackwall Tunnell	100330	10.1%	48	30
Upper North Street (A13 to Cordelia Street)	5898	1.2%	32	20
Upper North Street (Cordelia Street to B140 St. Paul's Way)	7678	0.8%	32	20
B140-St. Paul's Way	11670	6.5%	32	20
Cordelia Street	2327	0.8%	32	20
Devons Road	9536	4.3%	32	20
Devas Street W of Purdy Street	10192	8.2%	32	20
Chrip Street (South of Burcham Street)	11816	3.3%	32	20
Chrip Street (North of Burcham Street)	11649	1.1%	32	20
Campbell Road	10688	1.7%	32	20
Devas Street (West of A12 junction)	4974	14.5%	32	20
Burcham Street/St Leonard Road	4638	3.6%	32	20
A1261 Aspen Way (West of Lower Lea Crossing rbt)	130495	13.4%	64	30
Abbott Road slip to A12	1469	9.2%	32	20
Stephenson Street	5809	8.3%	48	30



A1011 Manor Road (North of A13)	14419	8.6%	48	30
A1011 Manor Road (North of Star Lane)	10818	7.3%	48	30
Cody Road	8111	5.4%	48	30
Star Lane (East of A1011)	5034	0.4%	48	30
A124 (East of Manor Road)	21195	8.7%	48	30
A124 (East of Ordnance Road)	19977	8.4%	48	30
Lower Lea Crossing	46021	12.1%	48	30
A13 (From A12/A13 interchange to Abbott Road)	58629	14.2%	48	30
A13 (West of A12/A13 interchange)	16830	12.2%	48	30
A1020 Leamouth Road	24481	11.9%	48	30
A13 (East of Leamouth Road)	29261	10.2%	48	30
A13 Newham Way (East of Abbott Road)	124173	15.2%	48	30
A1011 Silvertown Way (South of A13)	20813	7.6%	48	30
A12 Off-slip (St. Leonard Road from Blackwall Tunnel)	10113	20.9%	48	30
A102 On-slip (to Blackwall Tunnel)	8503	8.8%	48	30
A102 Off-slip (to A13 east and west)	13258	15.3%	48	30
A102 off-slip (to A13 west)	9908	8.0%	48	30
A102 on-slip (from A13 east)	13351	11.9%	48	30

Table 2.3: Baseline + Committed Developments + Construction Traffic (2026)

Road Link	AADT	HGV	Speed (kph)	
			Freeflow	Congestion/ Junction
Abbott Road (East of Underpass)	7240	9.6%	35	20
Abbott Road (East of Oban Street)	8965	9.1%	30	20
Leven Road	3744	2.4%	26	20
Oban Street	3333	0.5%	24	20
Bromley Hall Road	1408	11.2%	32	20
Lochnagar Street	2735	11.6%	32	20
Zetland Street	2304	6.7%	32	20
Abbott Road Underpass (One-Way)	5539	8.8%	32	20
A1206 Preston's Road	25156	9.2%	32	20



A12 (Between Lochnagar Street and A13)	88675	9.8%	64	30
A12 (North of Lochnagar Street)	85443	9.2%	64	30
A12 On-slip from A13 (St. Leonards Road)	16291	11.1%	48	30
Trafalgar Way	2343	0.0%	32	20
Upper Bank Street	10250	14.8%	48	30
Poplar High Street	5041	5.3%	32	20
Saltwell Street	4949	4.3%	32	20
A1206 Cotton Street	28339	6.4%	32	20
A1261 Aspen Way (West of A12)	109733	14.4%	64	30
Blackwall Tunnell	100353	10.1%	48	30
Upper North Street (A13 to Cordelia Street)	5898	1.2%	32	20
Upper North Street (Cordelia Street to B140 St. Paul's Way)	7678	0.8%	32	20
B140-St. Paul's Way	11670	6.5%	32	20
Cordelia Street	2327	0.8%	32	20
Devons Road	9536	4.3%	32	20
Devas Street W of Purdy Street	10192	8.2%	32	20
Chrisp Street (South of Burcham Street)	11816	3.3%	32	20
Chrisp Street (North of Burcham Street)	11649	1.1%	32	20
Campbell Road	10688	1.7%	32	20
Devas Street (West of A12 junction)	4974	14.5%	32	20
Burcham Street/St Leonard Road	4638	3.6%	32	20
A1261 Aspen Way (West of Lower Lea Crossing rbt)	130495	13.4%	64	30
Abbott Road slip to A12	1469	9.2%	32	20
Stephenson Street	5809	8.3%	48	30
A1011 Manor Road (North of A13)	14419	8.6%	48	30
A1011 Manor Road (North of Star Lane)	10818	7.3%	48	30
Cody Road	8111	5.4%	48	30
Star Lane (East of A1011)	5034	0.4%	48	30
A124 (East of Manor Road)	21195	8.7%	48	30
A124 (East of Ordnance Road)	19977	8.4%	48	30
Lower Lea Crossing	46033	12.1%	48	30



A13 (From A12/A13 interchange to Abbott Road)	58706	14.3%	48	30
A13 (West of A12/A13 interchange)	16830	12.2%	48	30
A1020 Leamouth Road	24504	11.9%	48	30
A13 (East of Leamouth Road)	29361	10.4%	48	30
A13 Newham Way (East of Abbott Road)	124273	15.2%	48	30
A1011 Silvertown Way (South of A13)	20825	7.7%	48	30
A12 Off-slip (St. Leonard Road from Blackwall Tunnel)	10113	20.9%	48	30
A102 On-slip (to Blackwall Tunnel)	8526	9.0%	48	30
A102 Off-slip (to A13 east and west)	13296	15.5%	48	30
A102 off-slip (to A13 west)	9908	8.0%	48	30
A102 on-slip (from A13 east)	13351	11.9%	48	30

Table 2.4: Baseline + Committed Developments + Proposed Development (2031)

Road Link	AADT	HGV	Speed (kph)	
			Freeflow	Congestion/ Junction
Abbott Road (East of Underpass)	491	10.5%	35	20
Abbott Road (East of Oban Street)	6480	7.4%	30	20
Leven Road	4477	2.4%	26	20
Oban Street	4477	0.0%	24	20
Bromley Hall Road	2128	1.7%	32	20
Lochnagar Street	3049	1.8%	32	20
Zetland Street	1919	5.1%	32	20
Abbott Road Underpass (One-Way)	0	0.0%	32	20
A1206 Preston's Road	25391	9.1%	32	20
A12 (Between Lochnagar Street and A13)	90395	10.0%	64	30
A12 (North of Lochnagar Street)	87326	9.1%	64	30
A12 On-slip from A13 (St. Leonards Road)	16287	11.9%	48	30
Trafalgar Way	2257	0.0%	32	20
Upper Bank Street	10228	14.7%	48	30
Poplar High Street	5071	5.2%	32	20



Saltwell Street	4979	4.3%	32	20
A1206 Cotton Street	27281	6.4%	32	20
A1261 Aspen Way (West of A12)	109293	14.5%	64	30
Blackwall Tunnell	101051	10.2%	48	30
Upper North Street (A13 to Cordelia Street)	6029	1.3%	32	20
Upper North Street (Cordelia Street to B140 St. Paul's Way)	7654	0.8%	32	20
B140-St. Paul's Way	11915	6.2%	32	20
Cordelia Street	2234	0.9%	32	20
Devons Road	7791	5.2%	32	20
Devas Street W of Purdy Street	10214	6.9%	32	20
Chrisp Street (South of Burcham Street)	12661	4.0%	32	20
Chrisp Street (North of Burcham Street)	12039	1.7%	32	20
Campbell Road	10158	1.5%	32	20
Devas Street (West of A12 junction)	6870	8.5%	32	20
Burcham Street/St Leonard Road	5538	4.0%	32	20
A1261 Aspen Way (West of Lower Lea Crossing rbt)	127741	13.8%	64	30
Abbott Road slip to A12	1950	8.5%	32	20
Stephenson Street	5698	7.4%	48	30
A1011 Manor Road (North of A13)	14437	9.0%	48	30
A1011 Manor Road (North of Star Lane)	10926	7.4%	48	30
Cody Road	8108	5.4%	48	30
Star Lane (East of A1011)	5001	0.3%	48	30
A124 (East of Manor Road)	20987	8.8%	48	30
A124 (East of Ordnance Road)	19863	8.5%	48	30
Lower Lea Crossing	45615	12.1%	48	30
A13 (From A12/A13 interchange to Abbott Road)	59188	14.4%	48	30
A13 (West of A12/A13 interchange)	17020	11.9%	48	30
A1020 Leamouth Road	25956	12.3%	48	30
A13 (East of Leamouth Road)	29269	10.7%	48	30
A13 Newham Way (East of Abbott Road)	123828	15.4%	48	30
A1011 Silvertown Way (South of A13)	20959	8.3%	48	30



A12 Off-slip (St. Leonard Road from Blackwall Tunnel)	9392	21.1%	48	30
A102 On-slip (to Blackwall Tunnel)	8022	9.1%	48	30
A102 Off-slip (to A13 east and west)	13887	14.8%	48	30
A102 off-slip (to A13 west)	8946	7.9%	48	30
A102 on-slip (from A13 east)	13756	11.9%	48	30