

# Technical Annexes 11 – Air Quality

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## Annex 11 A

### DMRB Input Variables

**Table 11 A .1 DMRB Background Concentrations<sup>(a)</sup>**

Variable	Value	Units
Background concentration of NO <sub>x</sub>	7.6	µg m <sup>-3</sup>
Background concentration of NO <sub>2</sub>	6.2	µg m <sup>-3</sup>
Background concentration of PM <sub>10</sub>	14.8	µg m <sup>-3</sup>

(a) Source: Background concentrations derived from the National Air Quality Archive the year 2004, www.airquality.co.uk

**Table 11 A .2 DMRB Input variables for the 2011 Assessment Year**

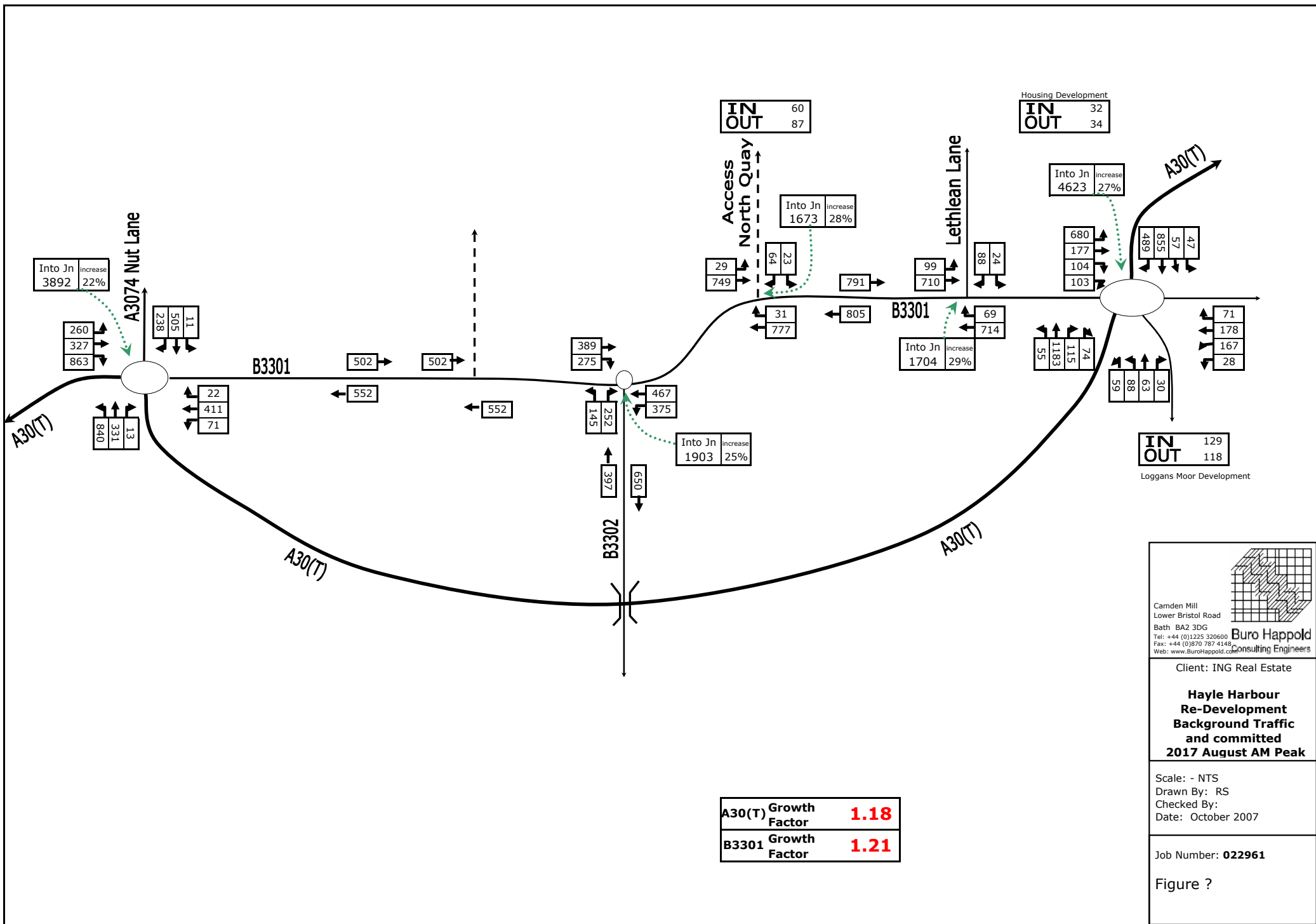
Street Name*	Scenario	AADT (combined, veh/day)	Annual average speed kph	Road type (A,B,C,D)	Total % LDV	Total % HDV
Griggs Hill	Without Development	8775	95.6	B	96.80	3.20
Carnsew Road		10725	95.6		98.3	1.7
Penpole Terrace		14315	48.3	B	98.00	2.00
Hayle Terrace		14750	48.3	B	98.00	2.00
Fore Street		15680	48.3	B	96.70	3.30
Foundry Hill		9630	95.3		98.3	1.7
Griggs Hill	With Development	11345	95.6	B	96.80	3.20
Carnsew Road		14075	95.6	B	98.3	1.7
Penpole Terrace		17775	48.3	B	98.00	2.00
Hayle Terrace		17795	48.3	B	98.00	2.00
Fore Street		18753	48.3	B	96.70	3.30
Foundry Hill		10430	95.3		98.3	1.7

**Table 11 A .3 DMRB Input variables for the 2017 Assessment Year**

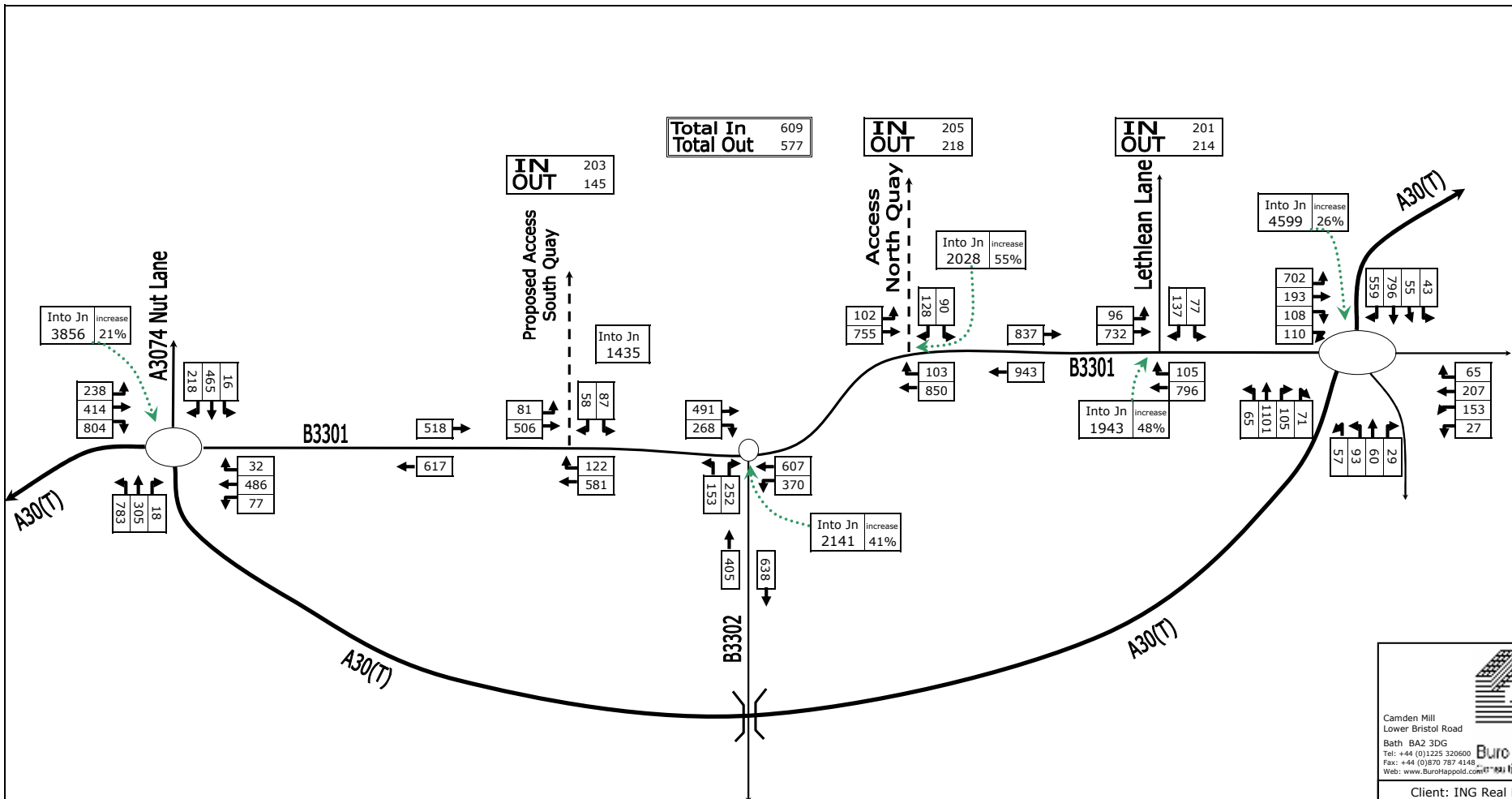
Street Name*	Scenario	AADT (combined, veh/day)	Annual average speed (km/h)**	Road type (A,B,C,D)	Total % LDV	Total % HDV
Griggs Hill	Without Development	9545	95.6	B	97.0	3.2
Carnsew Road		11640	48.3	B	98.3	1.7
Penpole Terrace		15510	48.3	B	98.0	2.0
Hayle Terrace		15955	48.3	B	98.0	2.0
Fore Street		16955	48.3	B	96.7	3.3
Foundry Hill		10470	95.6		98.3	1.7
Griggs Hill	With Development	12115	95.6	B	97.0	3.2

Carnsew Road		15000	48.3	B	98.3	1.7
Penpole Terrace		18970	48.3	B	98.0	2.0
Hayle Terrace		19000	48.3	B	98.0	2.0
Fore Street		20010	48.3	B	96.7	3.3
Foundry Hill		11270	95.6		98.3	1.7

AADT values were derived from AM peak traffic counts assuming peak flow is 10% of 24 hour flow.







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**Buro Happold**  
Engineering

Client: ING Real Estate

**Hayle Harbour  
Re-Development**

**With Development Traffic  
2011 AM Peak**

Scale: - NTS  
Drawn By: MAFK  
Checked By:  
Date: August 2007

Job Number: **022961**

Figure ?



