

# 2006 Updating and Screening Assessment of Air Quality in Peterborough

## Appendix 3

### Junctions Identified Requiring Further Assessment

September 2006

## Junctions identified requiring further assessment

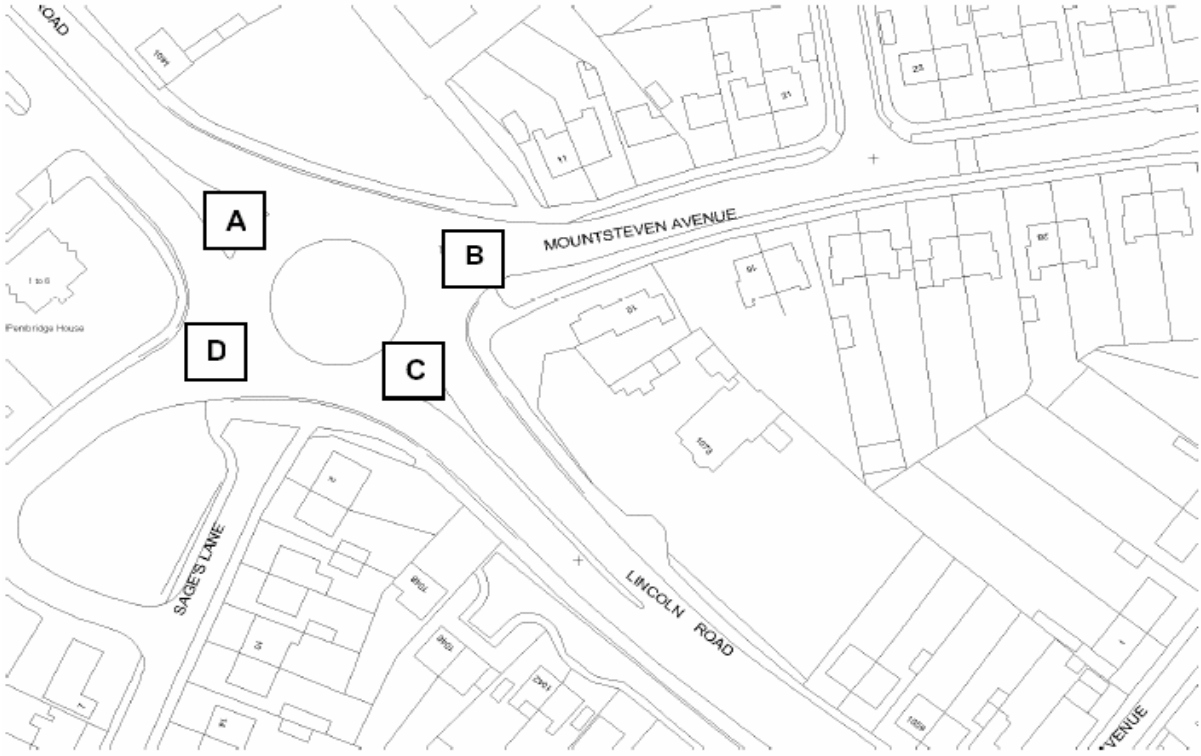
Nine junctions in Peterborough have been identified as requiring further consideration for some air quality objectives. The junctions were decided in relation to the screening requirements in LAQM TG.(04). Table 38 shows the background pollutant concentrations of the specified pollutants, the 2005 traffic figures (AADT), the distance to the nearest receptor and the average speed of the junction. All these figures are required when running the DMRB screening model to calculate the road traffic contributions to air quality and predict if there are any air quality exceedences as a result to road traffic.

Figures 17 to 25 shows the location of each junction.

**Table 38** Background pollutant concentration levels, road traffic information and distances from receptors for the specified junctions.

	NO <sub>x</sub> 2005	NO <sub>x</sub> 2010	NO <sub>2</sub> 2005	NO <sub>2</sub> 2010	PM <sub>10</sub> 2004	PM <sub>10</sub> 2010	AADT 2005	HGV %	Distance to receptor (m)	Average speed (kph)
<b>A</b>	27.5	22.2	18.7	16.6	22.8	21	52800	7	17	25
<b>B</b>	28.7	23.1	19.2	17.1	22.9	21.1	84150	11	20	45
<b>C</b>	30.6	24.8	20.1	17.8	23	21.1	35650	3.5	15	25
<b>D</b>	29.4	23.8	19.6	17.4	23.2	21.3	39250	5.5	21	25
<b>E</b>	33.2	26.8	21.2	18.7	25.4	23.4	19600	4.5	8	20
<b>F</b>	22.1	17.9	16.4	14.7	21.7	20	19300	2	8	20
<b>G</b>	28.8	23.1	19.3	17.1	24.4	22.6	15666	7	7	20
<b>H</b>	32.9	26.1	21.1	18.4	25	23.1	12639	6.6	9	20
<b>I</b>	33.5	27	21.3	18.8	23.6	21.7	24816	6.9	17	35
All background concentrations are in µg/m <sup>3</sup>										

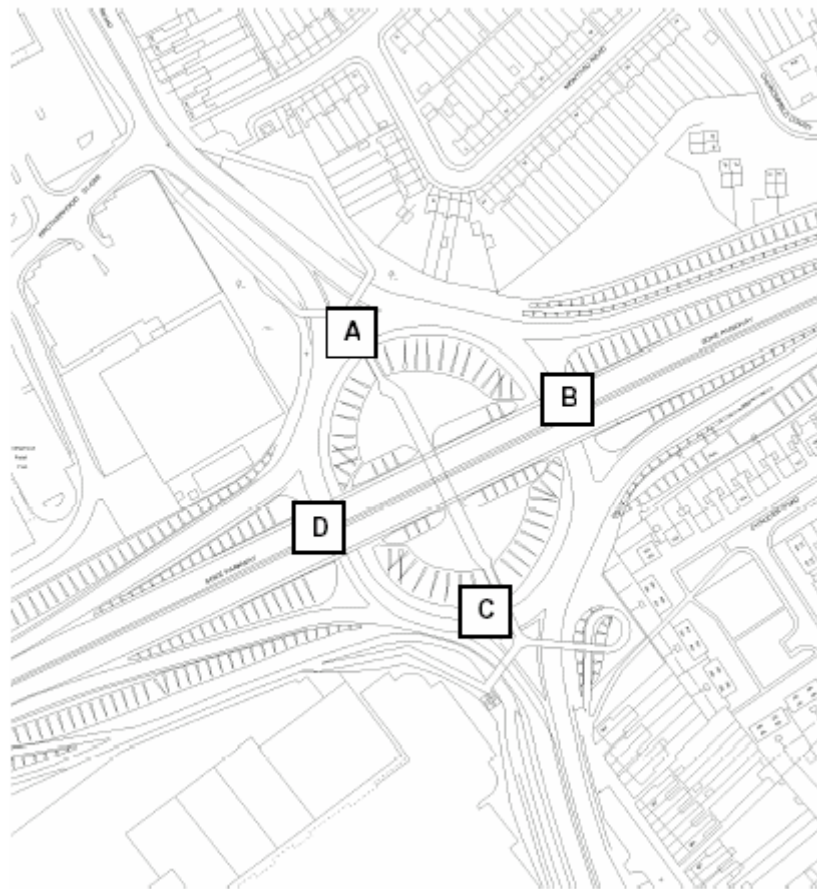
**Figure 17 Junction A**



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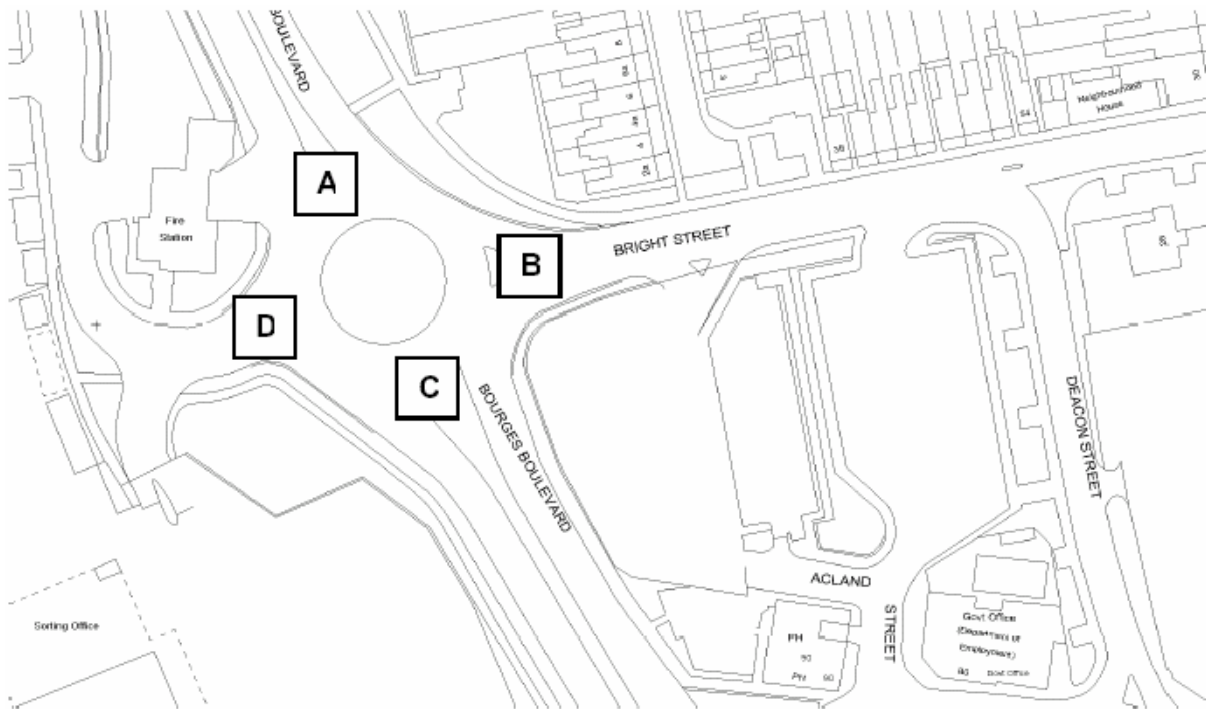
**Figure 18 Junction B**



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**Figure 19 Junction C**



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Figure 20 Junction D



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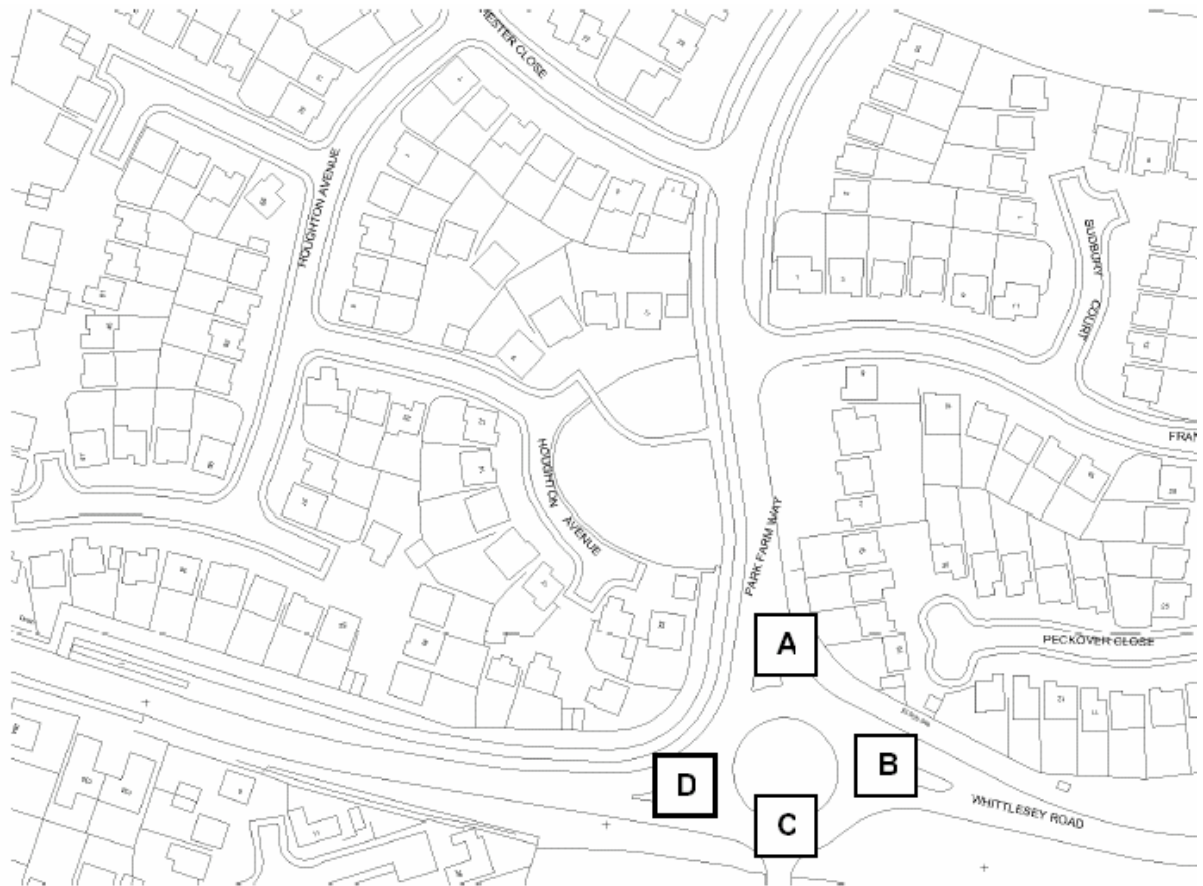
**Figure 21** Junction E



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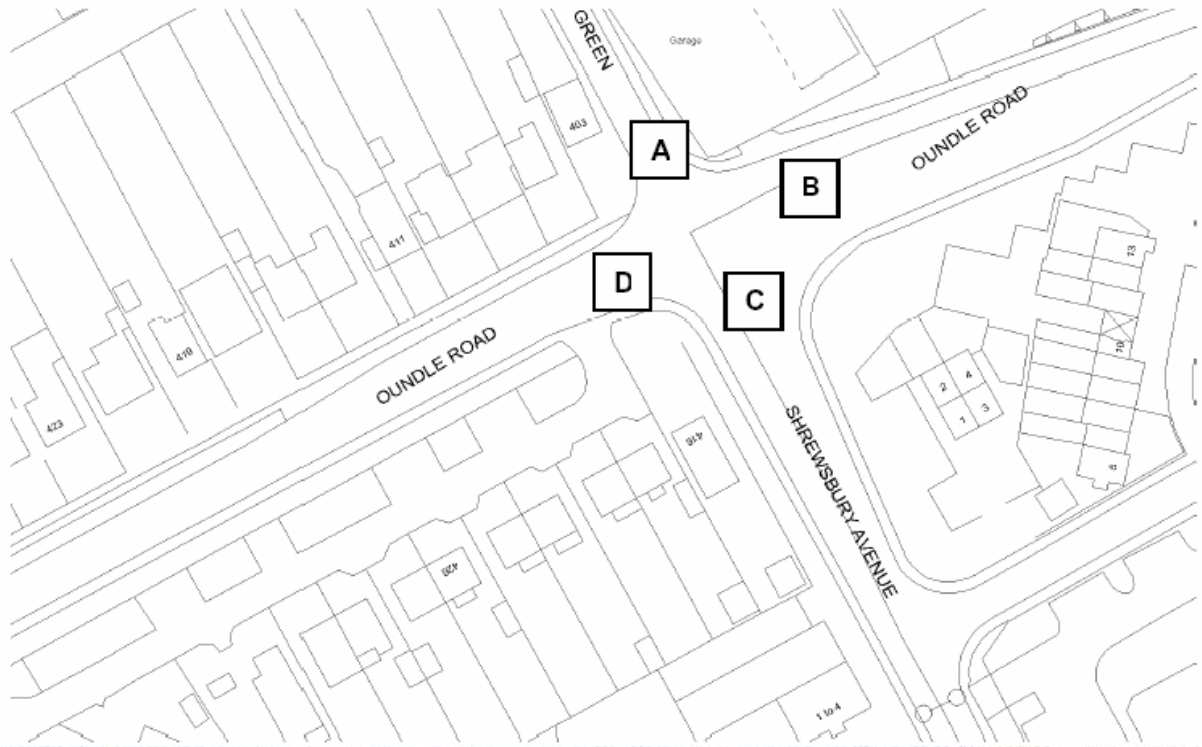
**Figure 22** Junction F



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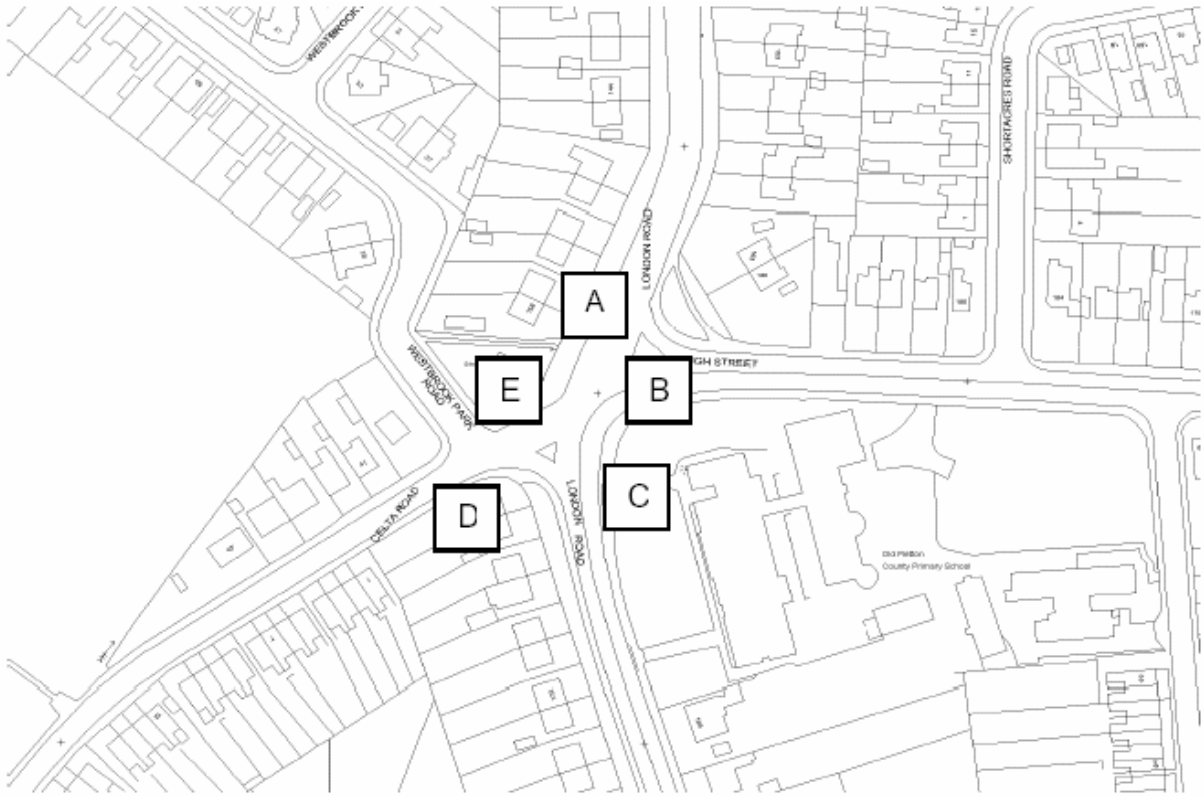
**Figure 23** Junction G



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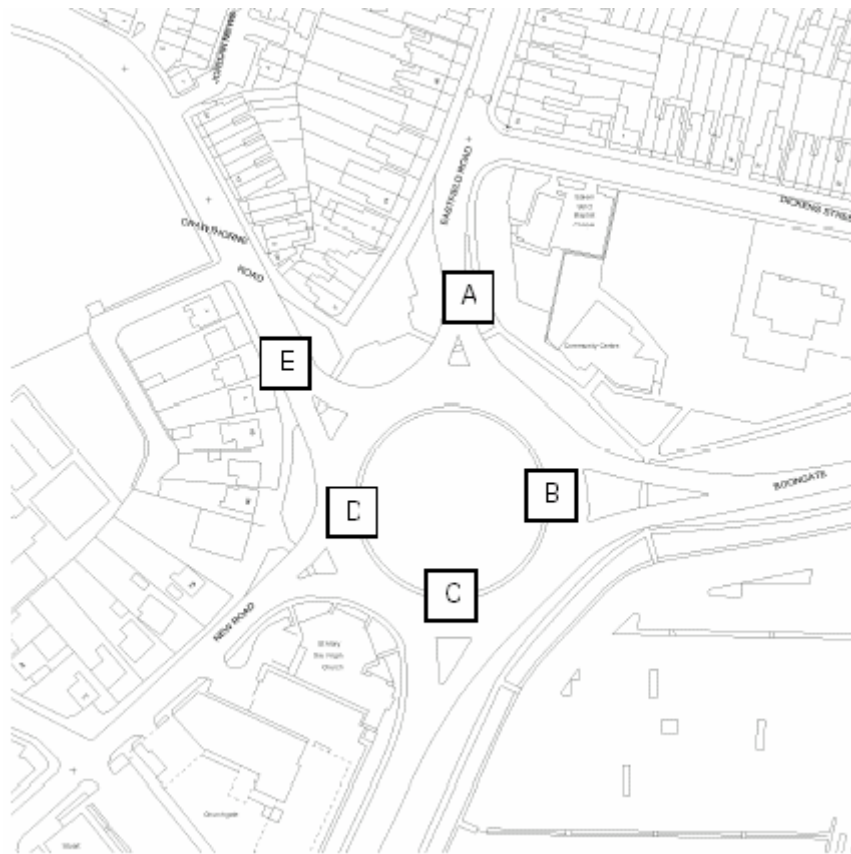
**Figure 24** Junction H



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Figure 25 Junction I



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