



Norwich Western Link

Environmental Statement

Chapter 6: Air Quality

Appendix 6.2: Traffic Mitigation

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Contents

Traffic Mitigation..... 3

Figures

Figure 1 Forecast Changes in AADT without traffic mitigation 4

Figure 2 Forecast Changes in AADT with traffic mitigation 5



1 Traffic Mitigation

1.1.1 Traffic mitigation is discussed in the Transport Assessment (TA) (Document Reference 4.01.00).

1.1.2 The proposed traffic mitigation measures north of the A1067 comprise the following:

- Access only restriction at Station Road and Felthorpe Road, Attlebridge;
- Turning restrictions at B1149 junction with Shortthorn Road, Felthorpe;
- Speed reduction through The Street and Taverham Road, Felthorpe; and
- Improved crossing facilities and speed reduction measures through Horsford.

1.1.3 The proposed mitigation measures south of the A47 consist of:

- Speed reduction measures through Barnham Broom village;
- Speed limit reduction through Kimberley;
- Speed limit reductions in the north of Wymondham; and
- Speed limit reductions through Carleton Forehoe.

1.1.4 The air quality assessment of operational phase impacts and effects, as presented in **Chapter 6: Air Quality** (Document Reference: 3.06.00), was based on the Proposed Scheme without traffic mitigation measures. This was considered to represent the worst case situation.

1.1.5 The forecast changes in AADT flows are illustrated in the two figures on the following page. The first (top) figure shows the changes without traffic mitigation. The second (bottom) shows the changes with traffic mitigation.

1.1.6 The differences between the Proposed Scheme without and with traffic mitigation are quite subtle, although with the traffic mitigation - towards central



Norwich – there would be notable increases in traffic on the A1074 Dareham Road on the approach to the A140 outer ring road and on the A140 Guardian Road and Sweet Briar Road. These predicted increases are due to traffic re-routing to avoid slower routes through the city centre.

1.1.7 In-terms of the potential air quality impacts of the Proposed Scheme with traffic mitigation measures, it unlikely that the residual effects would be materially different to those reported for human receptors in **Chapter 6: Air Quality** (Document Reference: 3.06.00) and ecological receptors in **Chapter 10: Biodiversity** (Document Reference: 3.10.00).

Figure 1-1 Forecast Changes in AADT without traffic mitigation

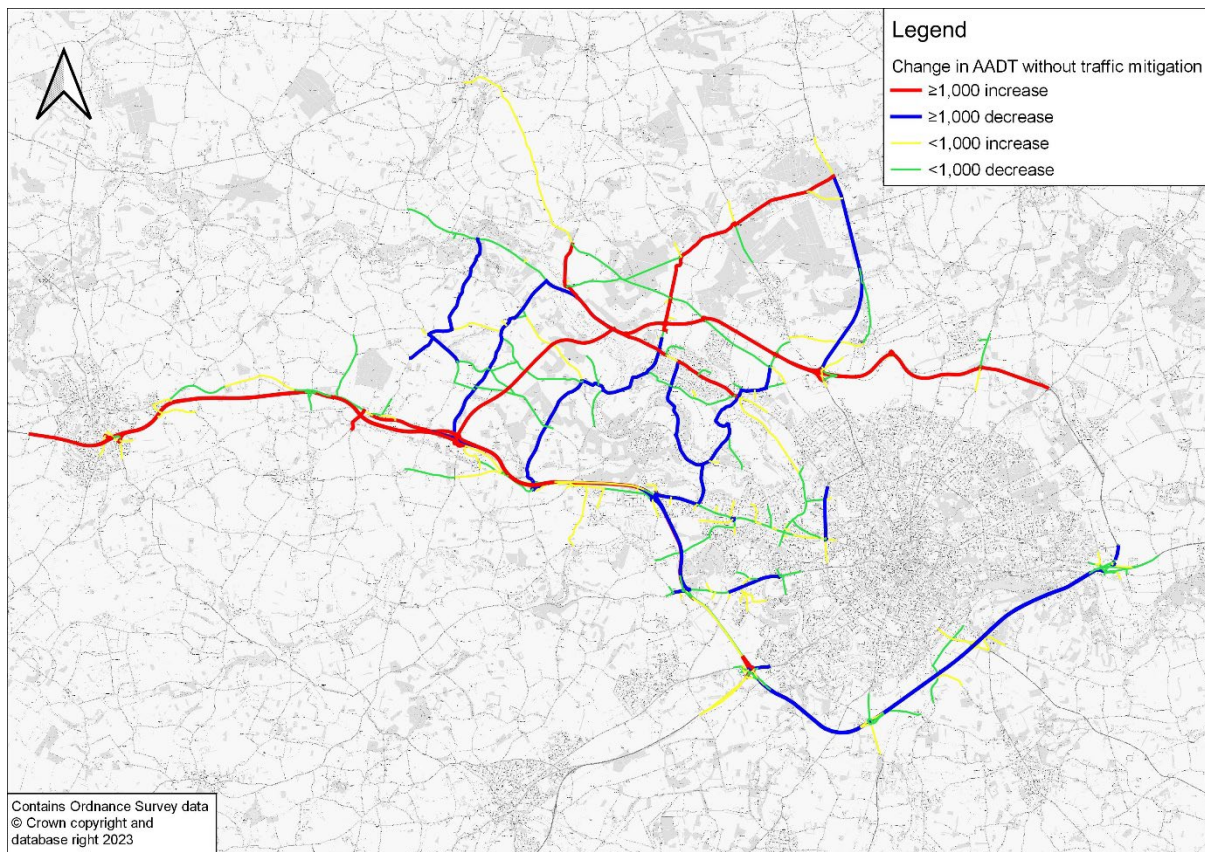




Figure 1-2 Forecast Changes in AADT with traffic mitigation

