

INTRODUCTION

This report contains the results of a Stage 2 Safety Audit carried out on the above scheme. The Audit was carried out at the request of Norfolk County Council Highways Group .

The Audit Team membership was as follows:-

Julian Fonseca MCIHT, MSoRSA
(Audit Team Leader)

Project Technician,
Network Analysis + Safety
Norfolk County Council

Kevin Allen BEng(Hons), I Eng, MCIHT, MSoRSA
(Audit Team Member)

Project Engineer,
Network Analysis + Safety
Norfolk County Council

Specialist Advisors:-

Iain Temperton

Team Manager, Casualty Reduction
Education & Development

Norfolk County Council

The Audit took place at County Hall on 14 December 2011. The audit comprised an examination of the Safety Audit submission document and a site inspection by the Audit Team Leader.

The terms of reference are as described in Environment, Transport and Development Highways Service Manual Procedure SP03-07. The Auditors have examined and reported only on the road safety implications of the scheme as presented and have not verified the compliance of the design to any other criteria.

ITEMS RAISED AT PREVIOUS AUDIT

All issues raised at the previous audit have been resolved.

ITEMS RAISED AT THIS STAGE 2 AUDIT

1.0 General

1.1 No comment

2.0 Alignment

2.1 No comment

3.0 Junctions

3.1 No comment

4.0 Non-motorised Users

4.1 No comment

5.0 Signs, Lighting and Markings

5.1 Problem – lack of clear guidance may induce sideswipe conflicts

There is no ADS signing on the King's Lynn bound A149 exit of the Hardwick Roundabout. This exit leads in to four lanes which could lead to late decision making and sideswipe accidents.

Recommendation – designer to provide ADS to show lane destinations clearly. This will mitigate the probability of sideswipe conflicts and provide greater consistency of approach to signing throughout the scheme.

- 5.2 Problem – lane markings give confusing guidance increasing likelihood of late lane changing and sideswipe conflicts

The nearside lane markings on the King's Lynn bound A149 exit of the Hardwick Roundabout show an ahead and left arrow, indicating that this lane can be used to travel ahead to the town centre, or to turn left into the retail area. However, the lane markings for the left only lane start to develop immediately which could strand a vehicle wishing to turn left in the second, straight ahead lane. This may induce sideswipe conflicts as vehicles attempt to reach their desired lane.

Recommendation – omit sufficient units of the nearside lane markings such that vehicles are able to manoeuvre into their desired lane before the markings commence.

- 5.3 Comment – No Appendix 12/1 signing details have been submitted with this audit. The results of this audit should therefore be treated as provisional until such time as detailed signing has been submitted to the Audit Team.

AUDIT TEAM STATEMENT

We certify that this audit has been carried out in accordance with Norfolk County Council Environment, Transport and Development Procedures.

Signed (ATL)



Julian Fonseca

Dated

15/12/2011

Signed



Kevin Allen

Dated

15 Dec 2011

RESPONSE SHEET

| Problem (para no.) | Agree/ Disagree | Reasons/Proposals |
|-----------------------|--------------------|-------------------|
| | | |

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To:- Team Manager (Network Analysis + Safety): fao Julian Fonseca

From.....

Signed.....Project Engineer Dated:

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