

A6. SAFETY AUDIT AND DESIGNERS RESPONSE FOR THE TWO ACCESS OPTIONS

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A258 DOVER ROAD WALMER KENT

PROPOSED NEW ACCESS JUNCTION FOR RESIDENTIAL DEVELOPMENT & HIGHWAYS ARRANGEMENT

Option A

Stage 1 Road Safety Audit

June 2017

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Contents

Section	Page
1. Introduction	2
2. Items Raised During This Stage 1 Road Safety Audit	4
3. Road Safety Audit Team Statement	6

Appendix A – Drawings and Documents supplied by Icen Projects for the Stage 1 Road Safety Audit

Appendix B – Annotated Drawing showing locations of the problems highlighted in this Stage 1 Road Safety Audit

Appendix C – Designers Response report to this Stage 1 Road Safety Audit

DISTRIBUTION RECORD

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1. Introduction

- 1.1 This report has been produced as a result of a Stage 1 Road Safety Audit (RSA) carried out at the request of Icen Projects, based at Flitcroft House, 114 – 116 Charing Cross Road, London, WC2H 0JR.

The RSA considered the proposals associated with widening of the A258 Dover Road, Walmer, and the introduction of a ghost right turn lane leading to a new access for a residential development on the eastern side of Dover Road, the removal of an existing pedestrian island and introduction of a new pedestrian island north of the new junction.

In summary, the proposals considered as part of this Stage 1 RSA are:

- The widening of the A258 Dover Road, Walmer and provision of a ghost right-turn lane on the eastern side of the road;
- The provision of a new 5.5m access road on the eastern side of Dover Road;
- The provision of a 2m wide footway cycleway on the northern side of the new access road;
- The widening to 1.8m of the existing western footway northwards;
- The provision of a new uncontrolled pedestrian crossing with central island and tactile paving on Dover Road, on the northern side of the new access road;
- The removal of a centre island on Dover Road north of the new access, and
- Associated road markings.

The report has been prepared for submission directly to Mr Ed Faldo at the offices of Icen Projects in London.

The Audit Team membership was as follows:

John Bowman	MCIHT MSoRSA JB Road Safety Consultancy Ltd
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Beth Newiss	AMCIHT, MSoRSA; Traffic Safety Consultant
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The terms of reference for the RSA are as described in Chapter 2 of HD 19/15. The Audit Team has examined and reported only on the road safety implications of the proposed scheme as presented and has not examined or verified the compliance of the scheme to any other criteria.

The audit took place at the Chelmsford Office of JB Road Safety Consultancy Ltd during June 2017. The audit comprised of an examination of the drawings and documents provided by the Design Organisation, and listed in Appendix A to this report.

- **Drawing Number 06.1 Revision - – Dover Road, Walmer, Kent - Potential Access Arrangement – Option 1 – Icen**
- **Drawing Number 06 Revision - – Dover Road, Walmer, Kent – Swept Path Analysis – Icen**

Other documents referred to for the purpose of this Stage 1 RSA were

- **Collision Data 01 July 2013 – 30 June 2016 – Cross Road and Dover Road Deal – Kent County Council – 10 March 2017.**
- **RSA 1 Safety Audit Brief Dover Road Option 1 - Dated 9th June 2017 – Icen Projects**

The Stage 1 Road Safety Audit was undertaken by the Audit Team detailed above and the site was visited, with both Audit Team members in attendance during the late morning and early afternoon of Monday 12th June 2017, when the weather conditions were dry and sunny with a dry road surface.

During the visit there was a constant flow of traffic along Dover Road in the vicinity of the site, comprising of buses, private cars and light goods vehicles. There were a few pedestrians but no cyclists or equestrians were seen.

- 1.2** No details of any Departures from Standard have been provided by the Design Organisation.
- 1.3** Speed data has not been provided by Design Organisation for the relevant location, and during the site visit the Audit Team commented that the overall speed of northbound road users appeared to be in excess of the 30mph speed limit. Whilst the provision of a Vehicle Activated Sign on the northbound route would tend to support this, it is not known what the rationale behind this provision was or when.
- 1.4** During the course of the site visit a number of older persons were seen to arrive at the southbound bus stop from the north.
- 1.5** Collision data, obtained from Kent County Council, for the 3-year period up to 30th June 2016 for the relevant location and has been provided by the Design Organisation to the Audit team. Full details are shown in the Audit Brief Section A2.

2. Items Raised During This Stage 1 Road Safety Audit

As a result of an examination of the drawings and documents supplied by Icen Projects, and the site inspection undertaken between 11:15hrs and 12:30hrs on Tuesday 13th June 2017, the problems highlighted in Sections 2.1 to 2.7 were identified. The recommended course of action that should be taken in respect of each problem was also indicated, and the locations are shown on the A3 drawing in Appendix B.

2.1 GENERAL

The drawings and documentation provided make no reference of the following:

- a) Lighting – the provision of any new lighting columns;
- b) Signage – the provision of any new signs, including, bollards on the new island, 'new road layout' and 'junction ahead' warning sign relating to the new access;
- c) Vegetation – the cut back of vegetation encroaching onto the footway opposite the new junction;
- d) Drainage – the re-location of existing and / or provision of new gullies where appropriate, and

RECOMMENDATION

It is recommended that all information be provided for the detailed design Stage 2 Road Safety Audit, and in accordance with the Local Authority policy.

2.2 PROBLEM

Location : Dover Road

Summary: Existing Driveways

The drawing provided makes no reference to any existing driveways that front onto Dover Road on the western side, and it is not clear what provision is to be made in respect of kerbing and footway crossovers.

RECOMMENDATION

It is recommended that all information be provided for the detailed design Stage 2 Road Safety Audit, and in accordance with the Local Authority policy.

2.3 THE ALIGNMENT

No safety issues raised at this Stage 1 Road Safety Audit.

2.4 THE JUNCTIONS

No safety issues raised at this Stage 1 Road Safety Audit.

2.5 NON MOTORISED USERS (NMUS)

Location A: Dover Road / New access – new footway and crossing facility

Summary: Pedestrian access to southbound bus stop

The drawing provided shows the provision of a new 2m wide footway / cycleway leading from the new access road to an uncontrolled pedestrian crossing with central island to the north. Whilst this crossing facility gives access to the northbound bus stop from the proposed development there is no connecting footway on the eastern side of Dover Road leading to the southbound bus stop which is to the north. The absence of a connecting footway may encourage pedestrians to walk in the carriageway rather than cross the road at the new uncontrolled crossing point. And in the case of southbound passengers alighting the bus and rather than cross Dover Road twice continue along the carriageway increasing the risk of conflict with other road users.

RECOMMENDATION

It is recommended that the Design Team explore the possibility of providing a connecting footway on the eastern side or an additional uncontrolled pedestrian crossing facility in the vicinity of the existing southbound bus stop. Full details to be provided at the detailed design stage for the Stage 2 Road Safety

2.6 PROBLEM

Location : Dover Road – New footway / cycleway

Summary: No connectivity for pedal cyclists

The drawing provided shows the provision of a new 2m wide footway / cycleway leading from the new development. No Details have been provided as to whether this is to be a shared facility or not. However, the proposed facility does not outline how pedal cyclists are to access Dover Road. The lack of proper joining facilities increases the risk to all road users as pedal cyclist would chose as and when to join / leave the Dover Road.

RECOMMENDATION

It is recommended that the Design Team liaise with Kent County Council Cycling Officer to explore the most appropriate measures for joining Dover Road. Full details to be provided at the detailed design stage for the Stage 2 Road Safety

2.7 SIGNING & LINING

No issues raised at this Stage 1

3. Road Safety Audit Team Statement

We certify that this audit has been undertaken in accordance with HD 19/15.

AUDIT TEAM LEADER:

Name: John Bowman MCIHT MSoRSA
Position: Director
Organisation: JB Road Safety Consultancy Ltd
Address: 12 Dorset Avenue, Gt Baddow, Chelmsford, Essex, CM2 9TZ

Signed

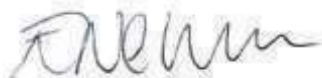


Date 21st June 2017

AUDIT TEAM MEMBER:

Name: Beth Newiss AMCIHT MSoRSA
Position: Traffic Safety Consultant
Organisation: JB Road Safety Consultancy Ltd
Address: 12 Dorset Avenue, Gt Baddow, Chelmsford, Essex, CM2 9TZ

Signed:



Date 21st June 2017

Audit Team Leader's Contact Details:

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Email address: javbowman@btinternet.com

Appendix A

(Details of the Drawings and Documents Supplied by
Client for This Stage 1 Road Safety Audit)

Drawing Number 06.1 Revision - - Dover Road, Walmer, Kent - Potential Access Arrangement - Option 1 - Icen

Drawing Number 06 Revision - - Dover Road, Walmer, Kent - Swept Path Analysis - Icen

Other documents referred to for the purpose of this Stage 1 RSA were

Collision Data 01 July 2013 - 30 June 2016 - Cross Road and Dover Road Deal - Kent County Council - 10 March 2017.

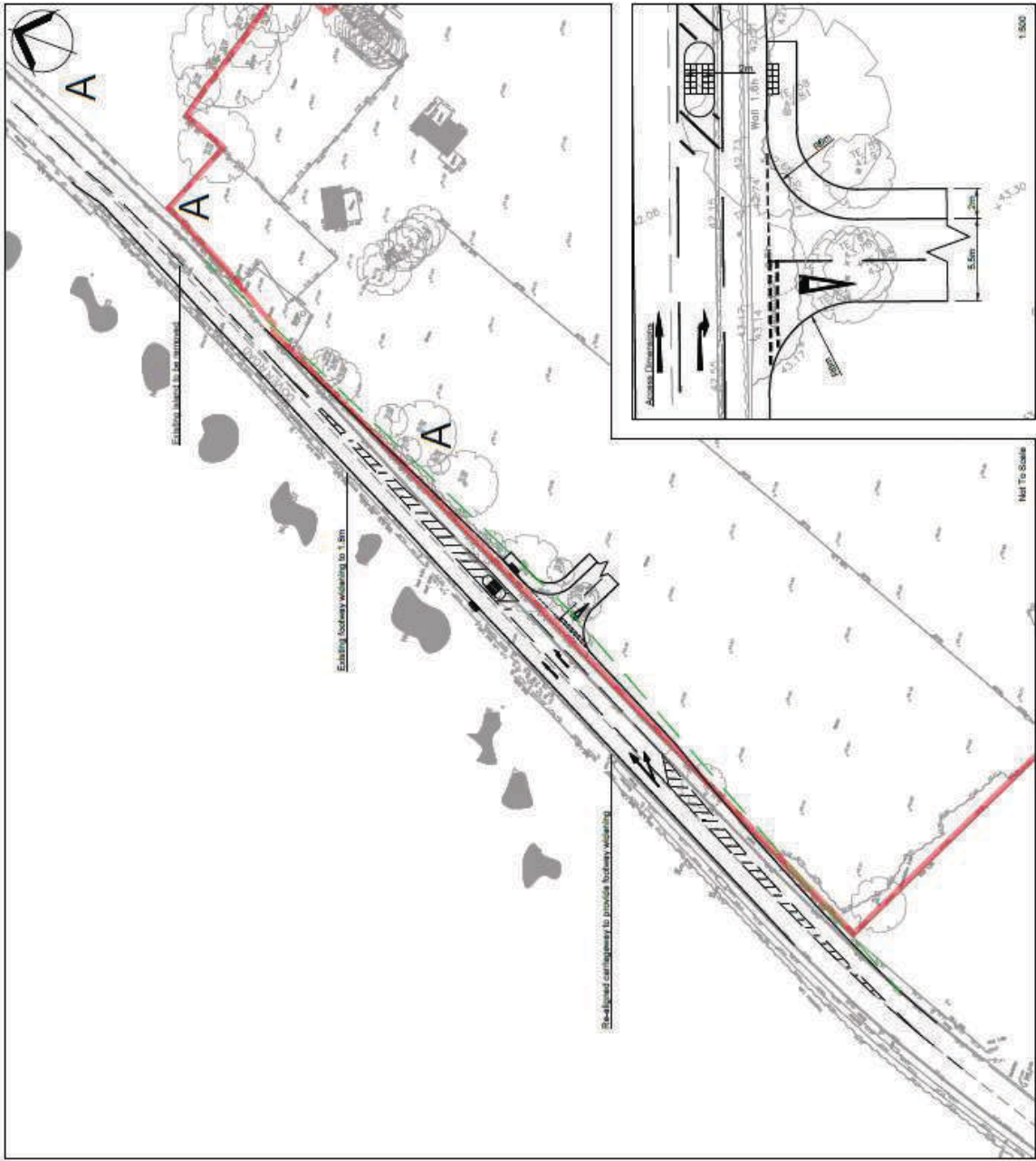
RSA 1 Safety Audit Brief Dover Road Option 1 - Dated 9th June 2017 - Icen Projects

Appendix B

(Annotated Drawing showing locations of Problems
Highlighted in This Stage 1 Road Safety Audit)

Notes:
 1. This drawing is based upon drawing number 2016-031, as supplied by the Client. iceni Projects Ltd shall not be liable for any inaccuracies or deficiencies.
 2. This drawing is based upon drawing number 2016-031, as supplied by Glaxman and Ioni Projects Ltd. shall not be liable for any inaccuracies or deficiencies.

Key:
 2.4m x 90m Visibility Splay
 Red Line Boundary



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Address: Dover Road, Wainme, Kent

Potential Access Arrangement:
 Option A
Drawn by: MJD
Checked by: MJD
Date: 08/03/2017
Scale: As Shown
Project No.: 16-T129
Drawing No.: 06.1