

**Yapton Road, Barnham, West Sussex
Proposed Section 278 Highway Works
Combined Stage 1 and 2 Road Safety Audit**

**For Woods Hardwick Infrastructure LLP
Prepared by Acorns Projects Limited
Safety Traffic Project Management & Highway Engineering Consultants**

JUNE 2020

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Revision History

This document has the following history:

Version No.	Version Date	Summary of Changes	Changes marked
1.0	10/06/2020	N/A	N/A

Approvals

This document requires the following approvals:

Name	Title
Adriano B. Cappella	Audit Team Leader
Lisa Allen	Audit Team Member

Distribution

This document has also been distributed to:

Name	Title & Organisation
Carina Smith	Senior Engineer - Woods Hardwick Infrastructure LLP
Richard Drury	Head of Technical - Matthew Homes Limited

1.0 INTRODUCTION

- 1.1** This report results from a Combined Stage 1 and 2 Road Safety Audit carried out on the Yapton Road, Barnham, West Sussex, Proposed Section 278 Highway Works Project, at the request of the Overseeing Organisation, i.e. the Local Highway Authority, West Sussex County Council, Northleigh, County Hall, West Street, Chichester, West Sussex, PO19 1RQ. The Design Organisation is Woods Hardwick Infrastructure LLP, 15-17 Goldington Road, Bedford, Bedfordshire, MK40 3NH. The Third Party Organisation is Matthew Homes Limited, Matthew House, 45-47 High Street, Potters Bar, Hertfordshire, EN6 5AW.
- 1.2** The Section 278 Highway Works scheme proposals comprise the construction of a new priority T-junction with 2.4 x 43 metre visibility splays, a new length of footway and, a new length of shared pedestrian/pedal cycle facility, which will tie-into the adjacent Redrow Homes residential development site, in Yapton Road, Barnham, West Sussex. The scheme proposals are associated with the construction of 38 new residential dwellings.
- 1.3** The Audit Team membership was as follows:
- Adriano B. Cappella IEng, FIHE, MCIHT, MSoRSA, HA RSA Certificate of Competency
(Audit Team Leader) Director, Acorns Projects Limited
- Lisa Allen MSc, BEng (Hons), MCIHT, MSoRSA, HA RSA Certificate of Competency
(Audit Team Member) Associate Consultant, Acorns Projects Limited
- 1.4** The Audit took place at the Eaton Bray office of Acorns Projects Limited during June 2020. The Audit was undertaken in accordance with the Road Safety Audit Instruction contained in the Woods Hardwick E-Mail to Acorns Projects Limited dated the 27th May 2020. The Audit comprised an examination of the drawing provided by the Design Organisation and, is listed in Annex A.
- 1.5** The drawings consisted of a copy of the S278 general arrangement. Copies of the scheme drawing at both A3 and A4 size was provided for the Audit Team's use. Road traffic collision data, vehicular traffic flow data and, pedestrian and pedal cycle flow data has not been provided for the purposes of this Combined Stage 1 and 2 Road Safety Audit.
- 1.6** A visit to the site was undertaken between 15.30 pm and 16.05 pm during the afternoon of the 9th June 2020 by both Audit Team Members. During the afternoon site visit, the weather was warm and sunny and the existing carriageway surface was dry.

Vehicular traffic conditions at the time of the afternoon site visit were observed to be light. A couple of pedestrians and one pedal cyclist were observed during the afternoon site visit.

- 1.7** The terms of reference of the Audit are as described in DMRB GG 119 Road Safety Audit. The Audit Team has examined and reported only on the road safety implications of the scheme as presented and, has not examined or verified the compliance of the designs to any other criteria. However, to clearly explain a safety problem or the recommendation made to resolve the identified problem, the Audit Team may, on occasion, have referred to a Design Standard without touching on technical audit.
- 1.8** No Departures from Design Standards have been reported by the Design Organisation.
- 1.9** All Problems and Recommendations are referenced to the design drawing and the location has been indicated on the A4 plan supplied for use by the Audit Team in Annex B.
- 1.10** Issues identified and observations made during this Combined Stage 1 and 2 Road Safety Audit and site inspection which the Terms of Reference exclude from this report, but which the Audit Team wishes to draw to the attention of the Overseeing Organisation, i.e. the Local Highway Authority, West Sussex County Council, will be set out in a separate letter. These issues could include maintenance items and operational issues. The Audit Team has not identified any issues during this Combined Stage 1 and 2 Road Safety Audit and site inspection that are considered to be outside the Terms of Reference.

2.0 ITEMS RAISED AT THIS COMBINED STAGE 1 AND 2 ROAD SAFETY AUDIT

2.1 LOCAL ALIGNMENT

2.1.1 No Problems identified in this category at this Combined Stage 1 and 2 Road Safety Audit.

2.2 GENERAL

2.2.1 No Problems identified in this category at this Combined Stage 1 and 2 Road Safety Audit.

2.3 JUNCTIONS

2.3.1 No Problems identified in this category at this Combined Stage 1 and 2 Road Safety Audit.

2.4 WALKING, CYCLING AND HORSE RIDING

2.4.1 PROBLEM

Location 1 - The shared pedestrian/pedal cycle facility on the western side of the development site priority T-junction in Yapton Road (Drawing No. 17748-BARN-5-504 Rev B).

Summary - Ensuring that pedestrians are made aware of the potential presence of pedal cyclists within the shared space pedestrian/pedal cycle facility in order to minimise potential conflicts.

The scheme proposals include a 3.0 metre wide shared space pedestrian/pedal cycle facility on the western side of the development site new priority T-junction, which will tie into a similar facility for the adjacent Redrow Homes residential development site. The scheme proposals also include a short length of footway on the eastern side of the development site new priority T-junction which has dropped kerbs and tactile paving to enable pedestrians to gain access to the western shared facility.

At this Combined Stage 1 and 2 Road Safety Audit, the scheme proposals do not advise pedestrians that they are entering a shared pedestrian/pedal cycle facility, when crossing from the eastern to the western side of the development site new priority T-junction.

Concern arises that this situation could result in a very slight potential increased risk of pedestrian and pedal cyclist conflicts and subsequent pedestrian and pedal cyclist collisions occurring, whereby personal injury may be sustained by either road user type.

Within the development site western footway, the Audit Team notes the provision of corduroy tactile paving, which will assist blind and visually impaired pedestrians to be aware of the potential presence of pedal cyclists within the shared facility.

RECOMMENDATION

It is Recommended that shared space pedestrian/pedal cycle facility signing should be provided at the location indicated, in order to help ensure that pedestrians will be made aware of the potential presence of pedal cyclists. This could take the form of a timber bollard installed within the verge area, with the shared pedestrian/pedal cycle facility roundel to Diagram 956 mounted upon it.

2.5 TRAFFIC SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING

2.5.1 No Problems identified in this category at this Combined Stage 1 and 2 Road Safety Audit.

END OF PROBLEMS IDENTIFIED AND RECOMMENDATIONS OFFERED IN THIS COMBINED STAGE 1 AND 2 ROAD SAFETY AUDIT

3.0 AUDIT TEAM STATEMENT

We certify that this Road Safety Audit has been carried out in accordance with DMRB GG 119.

ROAD SAFETY AUDIT TEAM LEADER

Adriano B. Cappella IEng, FIHE, MCIHT, MSoRSA, HA RSA Certificate of Competency

Signed : 

Associate Consultant

Acorns Projects Limited

Safety Traffic Project Management & Highway Engineering Consultants

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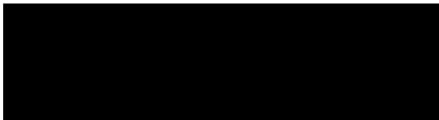
Bedfordshire

LU6 2SP

Date : 18th June 2020

ROAD SAFETY AUDIT TEAM MEMBER

Lisa Allen MSc, BEng (Hons), MCIHT, MSoRSA, HA RSA Certificate of Competency

Signed : 

Associate Consultant

Acorns Projects Limited

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Redwood House

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Date : 18th June 2020

ANNEX A

ANNEX A

YAPTON ROAD, BARNHAM WEST SUSSEX

PROPOSED SECTION 278 HIGHWAY WORKS

COMBINED STAGE 1 AND 2 ROAD SAFETY AUDIT

LIST OF WOODS HARDWICK INFRASTRUCTURE LLP DRAWING SUBMITTED FOR AUDITING

DRAWING NO.	TITLE
17748-BARN-5-504 Rev B	S278 General Arrangement

ANNEX B

ANNEX B - PROBLEM LOCATION PLAN

