



safer roads for everyone

University of Warwick CP16 Access Junctions: Gibbet Hill Road

Road Safety Audit Stage 1

on behalf of ARUP

TMS reference no: 13519

University of Warwick CP 16 Access Junctions: Gibbet Hill Road

Road Safety Audit Stage 1

1. Introduction

1.1 This report describes a Stage 1 Road Safety Audit carried out for proposed highway work at University of Warwick on behalf of ARUP. The audit was carried out on 19 April 2017 in the offices of TMS Consultancy.

1.2 The audit team members were as follows:-

Audit Team Leader

Stephen Proctor – MSc, MCIHT, MCILT, FSoRSA
Highways England Approved RSA Certificate of Competency
Director, TMS Consultancy

Audit Team Member

Amy Sutherland, BSc (Hons)
Graduate Road Safety Engineer, TMS Consultancy

1.3 The audit comprised an examination of the documents listed in **Appendix A**. The Road Safety Audit was undertaken in accordance with the Brief provided by Ian Clarke of ARUP. Information not available at the time of the audit included collision data. The site was visited by the Audit Team on 19 April 2017 at 12.30 hrs . The weather was fine and dry. Traffic flows were moderate. Pedestrian and cycle flows were light.

1.4 The terms of reference of the audit are as described in HD 19/15. The 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 design to any other criteria.

1.5 All of the problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence. The locations of specific problems are referenced on the plan in **Appendix B**.



Client: ARUP

Scheme: University of Warwick CP16 Access Junctions: Gibbet Hill Road

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- 1.6 The scheme consists of modifications to the access to CP 16 on Gibbet Hill Road, incorporating a widened bell-mouth, a pedestrian refuge at the bell-mouth, and a right turn lane into the car park from Gibbet Hill Road.

2. Items resulting from this Stage 1 Audit

CRASHMAP was analysed for a 5 year period 2011-15. During this period of time one serious injury collision was reported at the existing access, involving 2 vehicles. In addition there were 4 slight injury collisions reported at the Gibbet Hill/ University Road roundabout, 2 involving pedestrians, and 2 involving pedal cyclists.

2.1 PROBLEM

Location – proposed access improvement

Summary: risk of night time collisions

The changes to the existing access require re-location of lighting. If lighting levels are reduced, road users could encounter greater risks of night time collisions once the scheme is open.

RECOMMENDATION

Lighting levels should be checked and the columns re-located accordingly.

2.2 PROBLEM

Location – footway to east of proposed access improvement

Summary: risk of injury to pedestrians

A road sign is to be re-located, although precise details are not given. If the sign pole is placed in the centre of the carriageway it could cause injury to a sight impaired pedestrian.

RECOMMENDATION

The pole should be paced to the rear of the new footway.

2.3 PROBLEM

Location – footway to west of proposed access improvement

Summary: risk of pull-out type collisions

A small bush at the end of a planting area on the boundary with Toar Cottage partially obscures visibility to the right from the access. The bush is likely to grow and further restrict visibility, leading to a possibility of a vehicle pulling out into the path of an eastbound vehicle on Gibbet Hill Road.

RECOMMENDATION

The bush should be cut back.

2.4 Other issue

Some chamber covers are located on the existing footway on the east side radius of the access. These will be within the left turn lane in the proposed access.

3. **Audit Team Statement**

We certify that the terms of reference of the road safety audit are as described in HD 19/15.

Audit Team Leader

Stephen Proctor – MSc, MCIHT, MCILT, FSoRSA
Highways England Approved RSA Certificate of Competency
Director, TMS Consultancy




Signed 
Date 20th April 2017

Audit Team Member

Amy Sutherland, BSc (Hons)
Graduate Road Safety Engineer, TMS Consultancy

Signed 
Date 20th April 2017

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Appendix A

Documents Examined:

- Drawing No. 115438-00 Figure 3 Issue 02

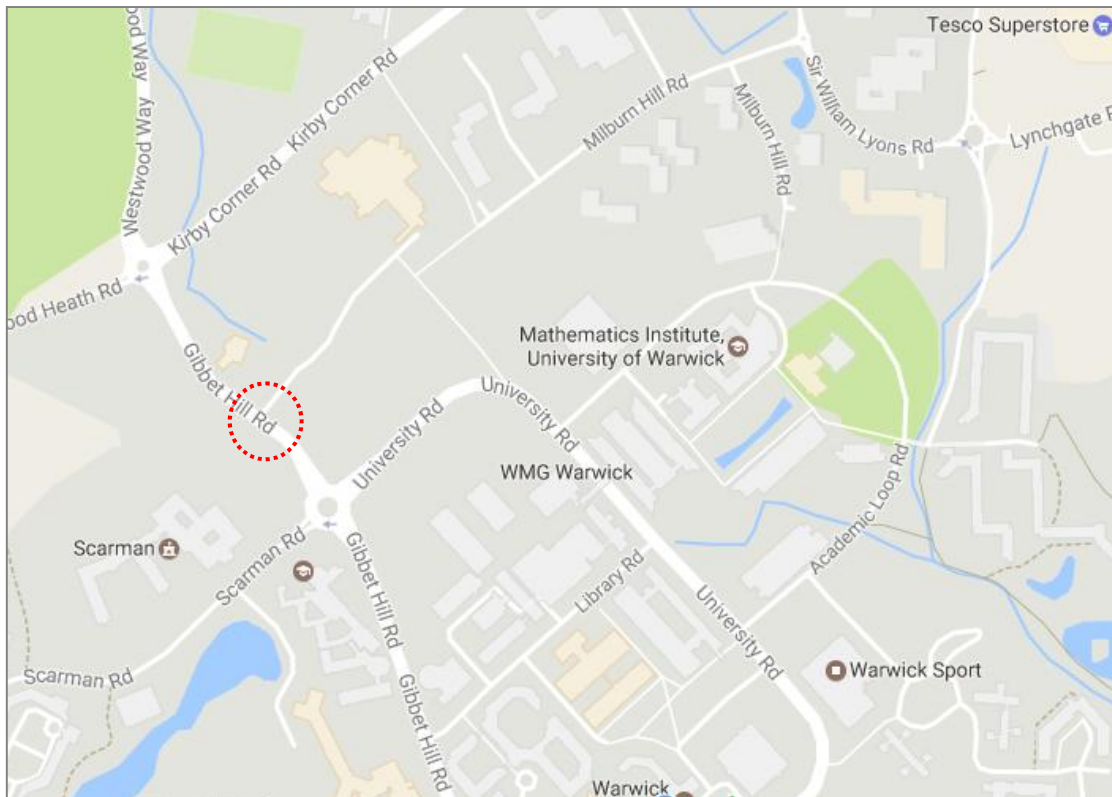
Other Information Provided:

- Stage 1 Audit Brief

Appendix B

Please refer to the following page for a plan illustrating the locations of the problems identified as part of this audit (location numbers refer to paragraph numbers in the report).

The location of the scheme is shown below:



Client: ARUP

Scheme: University of Warwick CP16 Access Junctions: Gibbet Hill Road

