



safer roads for everyone

Gatewen Road, Wrexham, Wales

Road Safety Audit Stage 1

on behalf of Integrated Transport Planning Ltd
(Wrexham Glyndŵr University)

TMS reference no: 15050
Date: 28th June 2019

Gatewen Road, Wrexham, Wales

Road Safety Audit Stage 1

1. Introduction

1.1 This report describes a Stage 1 Road Safety Audit carried out on proposed access arrangements for a residential development at Gatewen Road, Wrexham, Wales on behalf of Integrated Transport Planning Ltd (Wrexham Glyndŵr University). The audit was carried out on 27th June 2019 in the offices of TMS Consultancy.

1.2 The audit team members were as follows:

Audit Team Leader

Amy Sutherland – MSc, BSc (Hons) MCIHT, MIHE
Highways England Approved RSA Certificate of Competency
Assistant Engineer, TMS Consultancy

Audit Team Member

Robert Cyples - BSc (Hons), MIHE, MCIHT, MSoRSA
Highways England Approved RSA Certificate of Competency
Senior Road Safety Consultant, 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 information provided by Mark Lever of Integrated Transport Planning Ltd.

1.4 The site was visited by the Audit Team on Monday 24th June 2019 at 15:20hrs. The weather was cloudy and dry. Traffic flows were low. Pedestrian and cycle flows were very low.

1.5 The terms of reference of the Road Safety Audit are as described in GG 119 (GG 119 superseded HD 19/15 in November 2018). 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.

1.6 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 collision occurrence.

- 1.7 A scheme drawing is included in **Appendix B**, where the locations of specific problems are referenced. A location plan of the scheme is also included in this Appendix.
- 1.8 The scheme consists of an access junction for a proposed residential development of 112 dwellings on land at Gatewen Road, Wrexham, Wales. The site is to be accessed via a simple priority junction with new footway proposed along the northern side of Gatewen Road. Two uncontrolled pedestrian crossings are also proposed on Gatewen Road, one each side of the junction. A new pair of speed cushions is also proposed west of the junction, in addition to relocating existing cushions slightly east of the junction.
- 1.9 **Road Safety Audit Response Report**

Following the completion of the road safety audit, the design team should prepare a road safety audit response report in collaboration with the Overseeing Organisation.

The response report should incorporate the following:

- **Decision Log** spreadsheet, where each Problem and Recommendation in the Safety Audit report is reiterated
- In the Decision Log, a response should be provided by the Design Team and Overseeing Organisation for each problem raised in the RSA report, together with an agreed action

Further information is provided in **GG 119 Sections 4.11 to 4.19** and **Appendix F** (where a road safety audit response report template is available).

The response report should be produced and finalised within *one month* of the issue of the RSA report. A copy of the response report should be issued to the Safety Audit Team for information.

2. Items resulting from this Stage 1 Audit

2.1 PROBLEM

Location – Gatewen Road, proposed pedestrian crossing west of the development access

Summary: Risk of obstruction or injury for pedestrians

Existing on-street parking was observed on Gatewen Road at the location of the proposed pedestrian crossing, west of the development access. Parked vehicles may obstruct movements and inter-visibility for pedestrians attempting to cross and increase the risk of potential injury or collisions.



RECOMMENDATION

Measures to prevent parked vehicles obstructing the crossing point should be introduced at detailed design stage.

It may be beneficial to provide the crossing point on a ramped raised table in place of the proposed speed cushions, providing a traffic calming feature and level surface for crossing pedestrians. An existing example of this was observed just west of the proposed access location on Gatewen Road.

2.2 PROBLEM

Location – Gatewen Road, proposed development access

Summary: Risk of tripping or injury for pedestrians

No dropped kerb pedestrian crossing is proposed at the development access junction. Pedestrians may have difficulty crossing at full height kerbs and be at risk of tripping, or injury if they fall, particularly for mobility and visually impaired pedestrians.

RECOMMENDATION

At detailed design stage a dropped kerb crossing with tactile paving should be provided at the development access junction.

2.3 PROBLEM

Location – Gatewen Road, junction with New Road

Summary: Risk of tripping or injury for pedestrians

There are no existing dropped kerb crossing facilities at the junction of New Road and Gatewen Road and the existing carriageway surface was observed to be in poor condition with large potholes. The proposed development may create a desire line for pedestrians to cross at this location, increasing the risk of trips and falls, and potential injury when crossing at high kerbs and travelling on the uneven surface.



RECOMMENDATION

Potential pedestrian desire lines created by the development should be assessed and pedestrian crossing facilities provided or improved where required at detailed design stage.

2.4 PROBLEM

Location – Gatewen Road, proposed footway link east of development

Summary: Risk of injury or collisions for road users during darkness

The existing street lighting on the northern side of Gatewen Road currently terminates at the location of the development access, which means the proposed footway link on the east side of the development may not be illuminated. Pedestrians and cyclists travelling along the northern side of Gatewen Road may not be visible to other users approaching and be at risk of injury or collision.



RECOMMENDATION

The existing street lighting should be reviewed and improved as necessary to ensure the proposed footway and junction are sufficiently illuminated (see also 2.5).

2.5 PROBLEM

Location – Gatewen Road, proposed footway link east of development

Summary: Risk of collisions for non-motorised users

The intended distance of the footway link on the eastern side of the development is not shown. If the footway terminates at an unsuitable location, non-motorised users may be at risk of being struck by approaching vehicles if they are required to travel in the carriageway to reach surrounding facilities, for example, an eastbound bus stop on Gatewen Road (pictured) and the existing shared footway / cycleway at the Gatewen Road roundabout.



RECOMMENDATION

The proposed footway on the northern side of Gatewen Road should connect to existing footway or cycleway provisions east of the development.

2.6 PROBLEM

Location – Gatewen Road, proposed access junction

Summary: Risk of skidding or loss of control for motorcycles

An existing services chamber in the northern verge on Gatewen Road may be in the bell mouth of the proposed access junction. This may present a skidding hazard for turning motorcycles, particularly during wet or icy conditions. If the cover is not designed for vehicle loading it may become sunken or dislodged, further presenting a loss of control hazard for vehicles.



RECOMMENDATION

The cover should be relocated from the proposed junction carriageway.

3. Audit Team Statement

We certify that the terms of reference of the road safety audit are as described in GG 119 (formerly HD 19/15).

Audit Team Leader

Amy Sutherland – MSc, BSc (Hons) MCIHT, MIHE
Highways England Approved RSA Certificate of Competency
Assistant Engineer, TMS Consultancy

Signed



Date

28th June 2019

Audit Team Member

Robert Cyples - BSc (Hons), MIHE, MCIHT, MSoRSA
Highways England Approved RSA Certificate of Competency
Senior Road Safety Consultant, TMS Consultancy

Signed



Date

28th June 2019

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Appendix A

Documents Examined:

-  ITP DWG-2627-401-revE Gatewen Access 200619 DRAFT-A3-LargeCarSPA
-  ITP DWG-2627-401-revE Gatewen Access 200619 DRAFT-A3-RefuseSPA
-  Gatewen Road 3-year collision data
-  ID03865 Wrexham - ATC Site 4
-  RSA1 - Checklist of Information Required

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: Integrated Transport Planning Ltd

Scheme: Gatewen Road, Wrexham, Wales

