

Stage 1 Road Safety Audit

Proposed Housing Development Access
at
R751 Ashtown Lane, Wicklow
for
Wicklow County Council

Project Ref: P3228
Issued By: Muriel Kerr
Checked By: Peter McMahon
Date Issued: 10.10.18
Rev: -

Proposed Housing Development Access Stage 1 Road Safety Audit

1. Introduction

- 1.1 This report describes a Stage 1 Road Safety Audit carried out on a scheme for the provision of new access to a proposed housing development on behalf of Wicklow County Council. The audit was carried out on 3rd October 2018 in the offices of the Road Safety Department of McMahon Associates.
- 1.2 The audit team members were as follows:-
- Team Leader: Muriel Kerr, BEng CEng MIEI, MCIHT;
- Team Members: Peter McMahon, BEng MEngSc CEng FIEI MICE;
- 1.3 The audit comprised of an examination of the documents relating to the scheme, which are listed in **Appendix A**. The site was visited by the Audit Team on 3rd October 2018. The weather was dry and clear. Traffic flows were moderate. Pedestrian and cycle flows were non-existent.
- 1.4 This Stage 1 audit has been carried out in accordance with the relevant sections of TII document GE-STY-01024 'Road Safety Audit' and the team has examined only those issues within the design relating to the road safety implications of the scheme, and has therefore not examined or verified the compliance of the design with 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 collision occurrence.
- 1.6 The scheme consists of the provision of a vehicular entrance from a proposed housing development onto the R751 Ashtown Lane, Wicklow and associated pedestrian footpath linkage to the existing.

2. Items resulting from this Stage 1 Audit

2.1 Problem: Vehicular Entrance to R751

There is a risk of collisions due to vehicles traversing both entry and exit lanes to and from the development, due to the tight and restricted curvature of the entrance road to the development

Recommendation:

The design should be developed to ensure that the vehicular entrance complies with the requirements of Design Manual for Urban Roads and Streets (DMURS).

The junction and entrance should be auto-tracked to ensure that all vehicle types can manoeuvre safely on entry and exit.

2.2 Problem: Road Markings & Signage

There is a risk of rear end shunts as there are no signs or road markings proposed at the junction.

Recommendation:

We would recommend that road markings and signage should clearly indicate that priority is to the traffic on the R751 with “STOP” markings and signage provided on exit from the development in accordance with TII Standards

2.3 Problem: Pedestrian Access

There is a risk that pedestrians will have a continuity of linkage from the public road to the development.

Recommendation:

The proposed footpath within the development should link appropriately with the public footpath outside of the site boundaries.

2.4 Problem: Tactile Paving

There is a risk of VRUs tripping or falling while crossing the junction due to inappropriate or lack of tactile paving being provided

Recommendation:

Tactile paving and dropped kerbs should be reviewed and provided in accordance with TII guidance.

2.5 Problem: Public Lighting

There is a risk that pedestrians and vehicles exiting from the development are not visible to all road users.

Recommendation:

We would recommend that the existing Public Lighting provision at the entrance is reviewed to ensure that it provides a safe environment to all road users.

2.6 Problem: Vegetation

There is a risk that vegetation could block the visibility of vehicles, pedestrians or cyclists from the development.

Recommendation:

We would recommend any vegetation or planting within the visibility splays is removed.

Also consideration should be given to the proposed planting regime to ensure that it does not impede on the visibility to or from the development.

3. **Audit Team Statement**

We certify that we have examined the drawings and other information listed in Appendix A. This examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified to improve the safety of the scheme.

The problems that we have identified have been noted in the report, together with suggestions for improvement that in our opinion should be studied for implementation.

Audit Team Leader

Muriel Kerr, BEng CEng MIEI MCIHT;
Principal

Signed *Muriel Kerr*

Date 10.10.18

Audit Team Member

Peter McMahon, BEng MEngSc CEng FIEI MICE;
Principal

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Appendix A

List of Drawings Examined:

Issued By:	Wicklow County Council
Drawing Name:	Site Plan G.A.
Drawing Number:	ENG-SK140918
Date Issued:	13.09.18

Appendix B

SAFETY AUDIT FORM – FEEDBACK ON AUDIT REPORTS

Scheme: Proposed Stage 1 Safety Audit

Date Audit Completed: 10.10.18

Paragraph No. In Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Alternative measures (describe)	Alternative measure accepted by Safety Auditor (yes/no)
2.1				
2.2				
2.3				
2.4				
2.5				
2.6				

Signed: Designer

Date:.....

Signed: Audit Team Leader

Date:.....

Signed: Employer

Date:.....