

PPP Social Housing Bundle 3:
Development at Blessington, Co. Wicklow
Stage 1&2 Road Safety Audit

RPS Group

August 2021

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Document History

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1. Introduction

1.1 Report Context

This report describes the findings of a Stage 1&2 Road Safety Audit associated with the proposed Social Housing Development at Blessington, Co. Wicklow.

The Audit has been completed by Traffico Ltd. on behalf of RPS Group.

1.2 Details of Site Inspection

Date	Daylight / Darkness	Weather & Road Conditions
Friday 30 ^h July 2021	Daylight	Cloudy, some rain, wet roads.

Table 1.1 – Site Inspection Details

1.3 The Road Safety Audit Team

The members of the Road Safety Audit Team have been listed following:

Status	Name / Qualifications	TII Auditor Reference No:
Audit Team Leader (ATL)	Jason Walsh BEng (Hons) PCert (RSA) CEng MIEI	JW3362499
Audit Team Member (ATM)	Martin Deegan BEng(Hons) MSc CEng MIEI	MD101312
Audit Trainee (AT)	-	-

Table 1.2 – Audit Team Details

1.4 Design Drawings Examined as Part of the Audit Process

The following drawing(s) were examined as part of the Road Safety Audit (RSA) process:

Drawing No.	Drawing Title	Revision
2630 SHB3-COA-BLN-XX-M2-A-100	Site Layout Plan	P-00

Table 1.3 – Designers Drawing List

1.5 Road Safety Audit Compliance

Procedure and Scope

This Road Safety Audit has been carried out in accordance with the procedures and scope set out in TII publication number GE-STY-01024 - Road Safety Audit.

As part of the road safety audit process, the Audit Team have examined only those issues within the design which relate directly to road safety.

Compliance with Design Standards

The road safety audit process is not a design check, therefore verification or compliance with design standards has not formed part of the audit process.

Minimizing Risk of Collision Occurrence

All 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 the risk of collision occurrence.

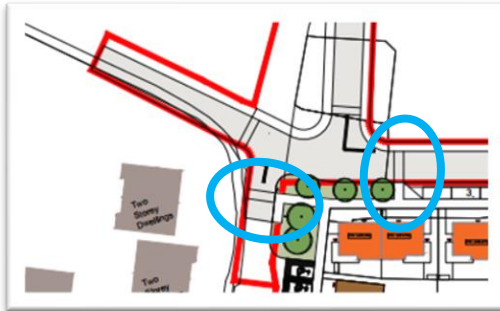
2. Road Safety Issues Identified

2.1 Problem: Trees Impeding Visibility to Pedestrian Crossings

Location: Staggered Junction at Burgage Road

The positioning of trees may hide the presence of pedestrians crossing or waiting to cross the road. This could result in collisions between general traffic and pedestrians.

Figure 2.1 – Crossings on Staggered Junction at Burgage Road



Recommendation

The location of the trees should be adjusted to provide appropriate visibility to the pedestrian crossings.

2.2 Problem: Catering for Key Pedestrian Desire Line

Location: Homezone between BLK1 and BLK 2

An important pedestrian desire line does not appear to have been catered for. This could lead to conflicts between pedestrians and general traffic.

Figure 2.2 – Pedestrian Desire Line



Recommendation

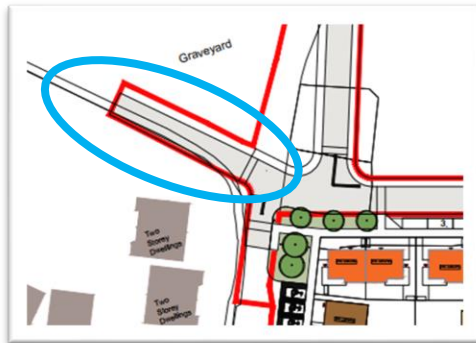
A formal pedestrian crossing facility should be provided at the location described.

2.3 Problem: Narrow Carriageway Width

Location: Western Arm of Staggered Junction at Burgage Road

The section of carriageway does not appear to be wide enough to cater for two-way traffic. This could result in opposition and side swipe type collisions.

Figure 2.3 – Narrow Carriageway Width



Recommendation

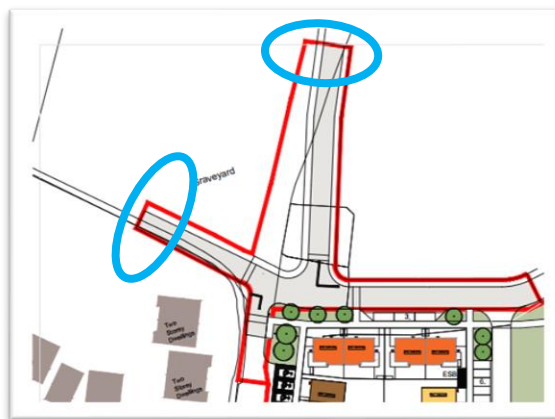
A carriageway width which is appropriate for two-way traffic should be provided.

2.4 Problem: Footpath Connectivity to Existing Facilities

Location: Western & Northern Arms of Staggered Junction at Burgage Road

The proposed footpaths appear to terminate prior to connecting seamlessly with existing facilities. This could result in pedestrians being forced to walk in the road carriageway thereby coming into conflict with vehicles.

Figure 2.4 – Proposed Footpath Terminations



Recommendation

Footpaths should be extended to provide unbroken connection with the existing facilities.

3. Audit Team Statement

3.1 Certification & Purpose

We certify that we have examined the drawing(s) listed in Chapter 1 of this Report.

Sole Purpose of the Road Safety Audit

The Road Safety Audit has been carried out with the sole purpose of identifying any features of the design which could be removed or modified to improve the road safety aspects of the scheme.

3.2 Implementation of RSA Recommendations

The problems identified herein have been noted in the Report together with their associated recommendations for road safety improvements.

We (the Audit Team) propose that these recommendations should be studied with a view to implementation.

Audit Team’s Independence to the Design Process

No member of the Audit Team has been otherwise involved with the design of the measures audited.

3.3 Road Safety Audit Team Sign-Off

Jason Walsh

Audit Team Leader
Road Safety Engineering Team

traffico

Signed:



Date:

Friday 6th August 2021

Martin Deegan

Audit Team Member
Road Safety Engineering Team

traffico

Signed:



Date:

Friday 6th August 2021

4. Designers Response

4.1 How the Designer Should Respond to the Road Safety Audit

The Designer should prepare an Audit Response for each of the recommendations using the Road Safety Audit Feedback Form attached in Appendix A.

When completed, this form should be signed by the Designer and returned to the Audit Team for consideration. See flow-chart following for further description.



Figure 4.1 – Road Safety Audit Sign-Off and Completion Process

4.2 Returning the Completed Feedback Form

The Designer should return the completed Road Safety Audit Feedback Form attached in Appendix A of this report to the following email address:

- Email address: martin@traffico.ie
- Telephone: 087 948 3535

The Audit Team will consider the Designer’s response and reply indicating acceptance or otherwise of the Designers response to each recommendation.

Triggering the Need for an Exception Report

Where the Designer and the Audit Team cannot agree on an appropriate means of addressing an underlying safety issue identified as part of the audit process, an Exception Report must be prepared by the Designer on each disputed item listed in the audit report.

Appendix A

A.1 Road Safety Audit Feedback Form

Road Safety Audit Feedback Form

Scheme: PPP Social Housing Bundle 3: Development at Blessington, Co. Wicklow

Audit Stage: Stage 1&2 Road Safety Audit

Audit Date: Friday 6th August 2021

Problem Reference (Section 2)	Designer Response Section			Audit Team Response Section
	Problem Accepted (yes / no)	Recommended Measure Accepted (yes / no)	Alternative Measures or Comments	Alternative Measures Accepted (yes / no)
2.1	Yes	Yes		
2.2	Yes	Yes		
2.3	No	No	Area now outside of the project red line and in control of a third party and therefore no longer applicable to the audit.	Yes – ensure appropriate / seamless tie-in at redline boundary.
2.4	Yes	Yes		

**The Designer should complete the Designer Response Section above, then fill out the designer details below and return the completed form to the Road Safety Audit Team for consideration and signing.*

Designer's Name: Pádraic Mac Giolla Bhríde

Designer's Signature:



Date: 13.08.2021

Audit Team's Name: Martin Deegan

Audit Team's Signature:



Date: 14/08/2021



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