

Paragon Highways Designers Response June 2022

Section 278, Leeds Road, Mirfield, Kirklees

Road Safety Audit Stage 2

June 2022



Document Control

Report Title:

Section 278, Leeds Road, Mirfield, Kirklees – Road Safety Audit Stage 2

Date of Site Visit

16th June 2022

Document Reference

2022-06 Mirfield S278 RSA2 – Revision 0

Report Prepared By:

Haydn Vernals FCIHT FIHE CMILT MSoRSA, Sevenairs Consulting Ltd

Sevenairs Consulting Ltd, 20 High Bank, Thurlstone, Sheffield, South Yorkshire, S36 9QH

Mobile: 07803 714 574

E-mail: haydn@sevenairs.co.uk

On behalf of

Paragon Highways – Office 20/21 The Rear Walled Garden, Nostell Estate, Wakefield WF4 1AB

Highway Authority / Overseeing Organisation

Kirklees Council

© Copyright 2022 Sevenairs Consulting Limited. The concepts and information contained in this document are the property of Sevenairs Consulting. Use or copying of this document in whole or in part without the written permission constitutes an infringement of copyright.

Limitation: This report has been prepared on behalf of, and for the exclusive use of Sevenairs Consulting's Client, and is subject to, and issued in accordance with, the provisions of the contract between Sevenairs Consulting and the Client. Sevenairs Consulting accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this report by any third party.

Document History:

Revision	Date	Description	By
0	18.06.2022	For Issue	HV

Introduction

Commissioning and Scope

This report results from a Stage 2 Road Safety Audit carried out at the site a proposed development access off Leeds Road in Mirfield, Kirklees, at the request of Paragon Highways Limited on behalf of the developer of the site.

The Road Safety Audit Brief was supplied by Ash Howarth, Director, Paragon Highways on behalf of the developer.

The Road Safety Audit Brief was approved by Ash Howarth, Director, Paragon Highways on behalf of the developer.

The Road Safety Audit team membership approved by Ash Howarth, Director, Paragon Highways on behalf of the developer, and was as follows:

The Audit Team

Haydn Vernals FCIHT FIHE CMILT MSoRSA Directive 2008/96/EC (Certificate of Competency), Road Safety Team Leader in accordance with GG119

Sarah Stewart BAHonsQTS NPQH, Road Safety Team Member in accordance with GG119

Audit Observers

None

A site visit took place comprising of the RSA team on Thursday 16th June 2022 between 12:30 and 13:00 hours during which the weather was sunny and the road surface was dry. Traffic conditions were light and free flowing, with a small number of pedestrians observed but no cyclists observed.

The main project is the development of the site for residential use, with 14 semi-detached homes, with a single point of access onto Leeds Road. The scope of this audit is to review the site access in terms of the Section 278 agreement – i.e. changes to the existing highway.

The RSA took place in June 2022 at the Sevenairs Consulting Office in Sheffield and was undertaken in accordance with the RSA brief provided by Ash Howarth, Director, Paragon Highways on behalf of the developer. The audit comprised of an examination of the documents provided as outlined in the audit brief and the scheme as proposed on site.

No departures from standard have been brought to the attention of the RSA team with regard to the scheme as designed.

Documents Supplied

- E-mail proposal background
- 1905C 101 rev B 278 Design
- 1905C 102 rev B Standard Details

Terms of Reference

The terms of reference of this Road Safety Audit are as described in GG119 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.

Each of the auditors' responses is classified as a 'Problem' that is likely to result in a significant road safety hazard. All comments and recommendations are referenced to the detailed design drawings and the locations have been indicated on the plan at the end of the report.

Where recommendations are made, these do not comprise design decisions, and it remains the responsibility of the Design Team to incorporate any changes into the scheme, and consider any interactions between design elements.

Problems Raised at the Stage 1 RSA

The proposals were subject to a Stage 1 Road Safety Audit carried out in December 2020 by Sevenairs Consulting Ltd. The following items were raised in that report and either remain a problem at this Stage 2 Road Safety Audit or have been closed out or relate to the option not carried forward.

The original Problems and Recommendations are shown below highlighted in grey and italics together with the Audit Response where applicable. In addition to this the Stage 2 Road Safety Audit Team has provided comments below to confirm the current status of each problem.

PROBLEM – A-01

Location: *Access road*

Summary: *Drainage – Poor surface water drainage may increase the risk of skidding type collisions by vehicles and also trips and falls by pedestrians.*

No details have been provided of the surface water drainage in terms contours of the carriageway surface. This is of a particular concern with the site at a lower level than that of Leeds Road. As such, no check could be made on the surface water drainage performance and in particular how surface water from Leeds Road will be managed or prevented from entering the estate road. Poor surface water drainage may increase the risk of skidding type collisions by vehicles caused by standing water, detritus or ice and also trips and falls by pedestrians.

RECOMMENDATION

It is recommended that surface water details, including gully positions and surface contours are provided for review at the next stage of Road Safety Audit

AUDIT RESPONSE

Accepted, the long section identifies proposed levels that comply with the Council's latest guidance. A suitable surface water drainage scheme shall be provided as part of the detailed road design

Status at this Stage 2 Road Safety Audit – Closed: The road safety audit team have no further comments on this element of the proposals.

PROBLEM – A-02

Location: Access road

Summary: Lighting – Poor carriageway surface illumination may increase the risk of trips and falls for non-motorised users and collisions between vehicles and NMUs.

No form of carriageway illumination is indicated on the drawings. Poor levels of carriageway surface illumination may increase the risk of trips and falls by non-motorised users of the proposed service road and may also increase the risk of collisions between vehicles and non-motorised users during the hours of darkness.

RECOMMENDATION

It is recommended that carriageway surface illumination is provided.

AUDIT RESPONSE

Accepted, a street lighting scheme (designed by Kirklees Council) shall be provided as part of the detailed road design

Status at this Stage 2 Road Safety Audit – Closed: The audit team note that details of the carriageway illumination have not been provided for review, however note the audit response and consider that with Kirklees Council as the designer, the proposed street lighting design would be to the satisfaction of the highway authority.

PROBLEM – A-03

Location: Access road and Leeds Road

Summary: Network Management – Parking in the mouth of the access may increase the risk of collisions for vehicles and NMU's using the access, NMU's crossing the access and pedestrians entering the development

During the site visit, a number of vehicles were observed being moved between the garage site opposite the development and an area next to 106 Leeds Road. This suggested that there may be an issue with the garage business and parking availability on their site. With the introduction of the new residential access, there is a risk that the business may use the mouth of the access to park vehicles that should otherwise be accommodated on the garage site, consequentially obstructing the visibility at the access for vehicles legitimately using the residential access or for NMU's crossing the junction mouth or forcing pedestrians to walk in the access due to obstructed footways.

RECOMMENDATION

It is recommended that waiting restrictions are provided into the access, over the length of the access where a 2.0m wide footway is provided and also into the main line, sufficiently to protect visibility on the main line for emerging vehicles.

AUDIT RESPONSE

Accepted, the proposals include the provision of a waiting restrictions on Leeds Road (southeast side) and into the proposed junction.

Status at this Stage 2 Road Safety Audit – Closed: The audit team note that details of the waiting restrictions have not been provided for review, however note the audit response and consider that with Kirklees Council as the designer, the proposed waiting restrictions would be to the satisfaction of the highway authority.

Problems Raised at this Stage 2 RSA

PROBLEM – B-01

Location: Leeds Road

Summary: Pedestrians/Cycles – Close proximity to a higher speed road may increase the risk of collisions or injuries involving pedestrians on the crossing.

Leeds Road has a 40mph speed limit, this may increase the risk of air turbulence caused by passing vehicles that effects the stability of pedestrians/cycles or places them at greater risk from debris thrown up from passing vehicles. This may increase the risk of collisions or injuries involving pedestrians/cycles.

RECOMMENDATION

It is recommended that a buffer strip is placed between the footway/cycleway and the main carriageway as per the guidance in LTN 1/20 Table 6.1. This could be achieved using a white edge marking to the footway/cycleway.

DESIGNERS RESPONSE

Not accepted - The proposed cycle/footway shall be kerbed to delineate it from the carriageway. A white edge marking may confuse cyclists as it could be mistaken for the continuation of the in-carriageway cycleway.

Audit Team Statement

We certify that this Road Safety Audit has been carried out in accordance with GG119.

Road Safety Audit Team Leader

Haydn Vernals FCIHT FIHE CMILT MSoRSA, Directive
2008/96/EC (Certificate of Competency)

Sevenairs Consulting Ltd
20 High Bank, Thurlstone, Sheffield,
South Yorkshire, S36 9QH

Signed:



Date: 18th June 2022

Road Safety Audit Team Member

Sarah Stewart BAHonsQTS NPQH

Sevenairs Consulting Ltd
20 High Bank, Thurlstone, Sheffield,
South Yorkshire, S36 9QH

Signed:



Date: 18th June 2022

Problem Location Plan

