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Sevenairs Consulting Ltd

Fullwood Drive, Golcar, Kirklees

Road Safety Audit Stage 1

September 2023



Document Control

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Fullwood Drive, Golcar, Kirklees – Road Safety Audit Stage 1

Date of Site Visit

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On behalf of

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

Highway Authority / Overseeing Organisation

Kirklees Council

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Introduction

Commissioning and Scope

This report results from a Stage 1 Road Safety Audit carried out at the site of a residential development off Fullwood Drive in Golcar, Kirklees, at the request of Leigh Ogden, Managing Director, Paragon Highways on behalf of the developer of the site.

The Road Safety Audit team membership 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 Vernals BAHonsQTS NPQH, Road Safety Team Member in accordance with GG119
Audit Observers	None

A site visit took place comprising of the RSA team on Wednesday 20th September 2023 between 15:15 and 15:45 hours during which the weather was cloudy and the road surface was wet from earlier rain. Traffic conditions were light and free flowing, with a small number of pedestrians observed, but no cyclists observed.

The main project comprises of a development of a site to the east of Fullwood Drive for 12 new homes. Highways works include the internal development road, which extends the existing eastern end of Fullwood Drive. The scope of this Road Safety Audit is to review the proposed access and internal adoptable roads for the development.

The audit has been carried out in accordance with the principals of the National Highways document GG 119 Road Safety Audit. A formal Road Safety Audit Brief was not provided to the Audit Team. However, information regarding the site was provided via email alongside the relevant scheme documents and drawings. This was considered by the Audit Team to provide sufficient detail to undertake the appropriate stage of audit.

The audit also comprised of a desk-top study where all documents and plans provided by the Design Team were reviewed. 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
- 1377 001B – Vehicle Tracking
- 2673_ACU_(100)03I - Proposed Site Plan

Terms of Reference

The terms of reference of this Road Safety Audit are as described in the National Highways document 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. No member of the Audit Team has been directly linked to the scheme design.

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 this Stage 1 RSA

PROBLEM – A-01

Location: Internal estate road

Summary: Skidding Resistance – Insufficient skidding resistance may increase the risk of collisions involving skidding

Although no long sections have been provided at this early stage, the levels on the internal road suggest that the gradients could be 10% or more. This may increase the risk of collisions involving vehicles not having sufficient skidding resistance, especially during wet or wintery conditions. Insufficient provision, especially in higher risk areas such where gradients exceed 10% may increase the risk that collisions involving skidding occur.

RECOMMENDATION

It is recommended that surfacing with a 60 PSV is provided through the entire length of the estate road.

PROBLEM – A-02

Location: Internal estate road

Summary: Drainage – Ineffective surface water drainage may increase the risk of skidding type collisions

At this early stage, no details have been provided on the proposed surface water drainage arrangements other than an indication of grade on the general arrangement. It was noted that there is the potential for low points on the estate roads where surface water may not effectively drain, specifically at the eastern end of the internal estate road. This may increase the risk of slips and falls by pedestrians or skidding type collisions in these areas due to excessive surface water, especially in wintery conditions.

RECOMMENDATION

It is recommended that drainage details are provided at the next stage of road safety audit including levels, contours and gully locations.

PROBLEM – A-03

Location: Internal estate road

Summary: Lighting – Lack of or insufficient carriageway lighting may increase the risk of collisions, trips and falls during the hours of darkness.

It is unclear from the information provided if any carriageway lighting is to be provided. A lack of carriageway lighting or insufficient levels of light may increase the risk of collisions between vehicles and active mode users as well as trips and falls by pedestrians during the hours of darkness.

RECOMMENDATION

It is recommended that carriageway lighting is provided.

Audit Team Statement

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

Road Safety Audit Team Leader

Signed:

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

Date: 22nd September 2023

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

Road Safety Audit Team Member

Signed:

Sarah Vernals BAHonsQTS NPQH

Date: 22nd September 2023

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Problem Location Plan

