



Cambria Consulting

**PROPOSED S278 SIGNALISED
JUNCTION SCHEME,
NEW GOETRE PRIMARY SCHOOL,
MERTHYR TYDFIL**

**STAGE 1/2 - ROAD SAFETY AUDIT
JULY 2025**

Transport Planning /Traffic Surveys/ Road Safety Audits

Tel: +44 (0)2920 667663 Email: admin@go-surveys.co.uk Web: www.go-surveys.co.uk
go-surveys Ltd Registered in England and Wales No:5841452
Registered office: go-surveys Ltd, 72 Plasturton Avenue, Cardiff, CF11 9HJ

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Primary Author:	T Brooks	Initialled:	TB
Contributor:	R Lister	Initialled:	RL
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Appendices

Appendix A – List of drawings and documents supplied for audit.

Appendix B – Location plan of identified problems.

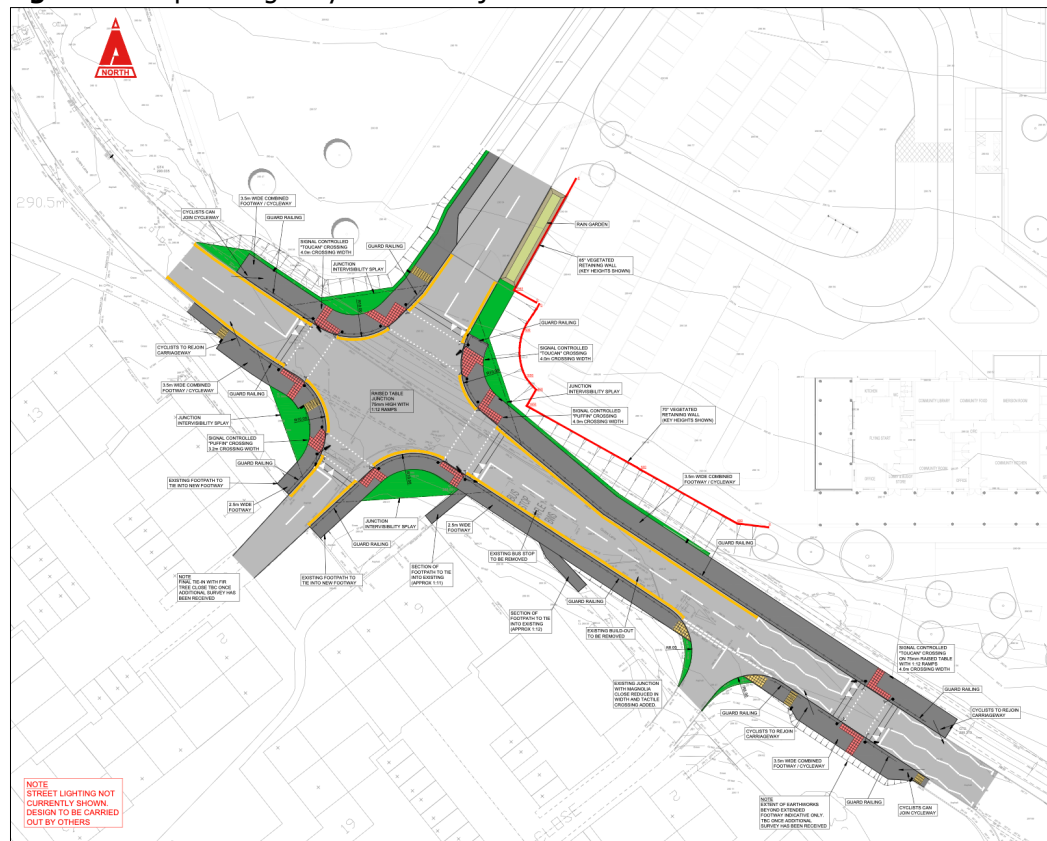
1 INTRODUCTION

- 1.1 This report presents the findings from a combined Stage 1/2 Road Safety Audit (RSA) undertaken on the proposed s278 signalised junction option access arrangements associated with the proposed new Goetre Primary School, on land to the north-east of Goitre Lane, Merthyr Tydfil.
- 1.2 The audit was carried out by the following:
- Tristan Brooks - Road Safety Audit Team Leader
BSc (Hons), MBA, CMILT, MCIHT, MSoRSA,
HE RSA Cert. of Competency
 - R Lister - Road Safety Audit Team Member
BSc (Hons), MSc, MRTPI, MCIHT, MSoRSA
- 1.3 The RSA was commissioned by the Cambria Consulting who have designed the scheme and who provided the audit information and although there was no formal 'audit brief' the RSA team has accepted that sufficient information has been provided to undertake the Stage 1/2 RSA. The overseeing organisation is the Merthyr Tydfil County Borough Council (MTCBC) who have approved the audit team to undertake RSAs on their highway network.
- 1.4 The site visit was undertaken on Monday 14th July 2025 between 18:30-19:15 and comprised a walk and drive throughs of the area covered by the scheme. During the site visit both the weather and road surface were dry. Traffic in the vicinity of the scheme was relatively light. A small number of pedestrians were observed during the site visit, no cyclists were observed.
- 1.5 The highway network in the vicinity of the scheme is subject to a 20mph speed limit and has street lighting throughout.
- 1.6 The audit team understand that no pedestrian, cyclist or traffic flow/speed information is available for review as part of the RSA.
- 1.7 A review of the Personal Injury Collision (PIC) data between January 2019 and December 2023 (based on information in the Collision Plot database) has indicated that during this period there has been no PICs recorded in the vicinity of the proposed scheme.
- 1.8 The drawings and documents supplied for audit are listed at **Appendix A**. An annotated drawing showing the locations of the problems identified is provided at **Appendix B**.
- 1.9 The terms of reference of the audit are as that described in DMRB GG/119 Guidelines on Road Safety Audits (Rev 2). This standard has been used for guidance only. The exceptions to GG/119 are the inclusion (if applicable) of a notes/observation section at the end of the

report and figure showing the scheme(s) rather than written description. 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.

- 1.10 The scope of the RSA is limited to the extents of the proposed highway works as illustrated in **Figure 1**.

Figure 1: Scope of highways works subject to RSA.



- 1.11 The audit team have not been made aware of any previous RSA's undertaken on the scheme as presented in Figure 1 nor any departures or relaxations from standard within the design of the scheme. It is noted that a Stage 1/2 RSA was undertaken on roundabout access arrangement option in November 2024.
- 1.12 No details of the proposed street lighting was available for review as part of the RSA and therefore this element of the scheme could not be considered as part of the RSA.
- 1.13 The recommendations included within this report should not be regarded as being prescriptive design solutions to the problems raised. They are intended only to indicate a proportionate and viable means of eliminating or mitigating the identified problem, in accordance with GG/119. There may be alternative methods of addressing a problem which



would be equally acceptable in achieving the desired elimination or mitigation and these should be considered when responding to this report.

2 ROAD SAFETY AUDIT FINDINGS FROM RSA 1/2

PROBLEM 1

LOCATION: Various locations - Start /end of shared use route(s).

SUMMARY: Omission of suitable transition arrangements where the shared use route starts/terminates may result in an increased risk cyclist/pedestrian collisions or hazards to cyclists.

- 2.1 It is unclear how it is intended cyclists will access or leave the shared use route where it starts/terminates at various locations throughout the scheme including but not limited to the following examples; if travelling southwest bound on the site access arm of the junction, if entering the school where the shared use route terminates on the north-western side of the site access arm and if travelling on bike from Fir Tree Close or Magnolia Close.
- 2.2 The audit team also note the proposed use of 'cyclist dismount' signs at a number of locations although would note that typically cyclists do not adhere to this instruction and the use of the signs is not considered to be good practice.
- 2.3 Omission of suitable transition arrangements for cyclists at the start/end of the shared use route could result in cyclists having to negotiate full height kerbs increasing the risk of fall hazards or injudicious entry manoeuvres into the carriageway at unsuitable locations increasing the risk of cyclist/vehicle collisions.

RECOMMENDATIONS

- 2.4 It is recommended that appropriate transition arrangements e.g. cycle on/off slips be provided to allow cyclists to enter/leave the carriageway where the shared use route terminates and include advisory carriageway markings to advise cyclists/drivers where the cycle on/off slips are located.
- 2.5 It is also recommended that the scheme include provision for cyclists to access the shared use route from Fir Tree Close or Magnolia Close

PROBLEM 2

LOCATION: General.

SUMMARY: No details provided with regard to the maintenance arrangements of the signals and may increase the risk of injuries to maintenance personnel.

- 2.6 No details have been provided with regard to the maintenance arrangements for the proposed signals. A lack of suitable maintenance facilities/area may increase the risk of injuries to maintenance personnel such as being struck by passing vehicles or slip/ trip falls if carrying or using equipment on uneven ground.

RECOMMENDATION

- 2.7 It is recommended that suitable parking/layby provision should be provided for signals maintenance personnel.

PROBLEM 3

LOCATION: Centre of the signalised junction.

SUMMARY: Omission of lane guidance carriageway markings may increase the risk of head-on type collisions.

- 2.8 The scheme drawings do not indicate any lane carriageway markings to advise drivers turning right from both the Goitre Road arms of the junction where to position their vehicle if held up in the centre of the junction by opposing vehicle movements. Omission of advisory carriageway markings could potentially increase the risk of head-on type collisions.

RECOMMENDATION

- 2.9 It is recommended that appropriate lane guidance carriageway markings be provided to address this problem.

3 AUDIT STATEMENT

3.1 We certify that this audit has been carried out in accordance with GG/119 unless otherwise noted.

Signed:



Date: 21 July 2025

T Brooks – BSc (Hons), MBA, CMILT, MCIHT, MSoRSA,
HE RSA Cert of Competency
Audit Team Leader
go-surveys Ltd
72 Plasturton Avenue
Cardiff
CF11 9HJ

Signed:



Date: 21 July 2025

R Lister - BSc (Hons), MSc, MRTPI, MCIHT, MSoRSA
Audit Team Member
go-surveys Ltd
72 Plasturton Avenue
Cardiff
CF11 9HJ



APPENDIX A

List of Drawings and Documents Provided for Audit

26CB01-CAM-50-XX-D-C-0117-S4-P01- Offsite Highway Works (Junction) Tracking- Refuse Vehicle (1 of 2).pdf
26CB01-CAM-50-XX-D-C-0118-S4-P01- Offsite Highway Works (Junction) Tracking- Refuse Vehicle (2 of 2).pdf
26CB01-CAM-50-XX-D-C-0119-S4-P01- Offsite Highway Works (Junction) Tracking- 12m Bus.pdf
26CB01-CAM-50-XX-D-C-0120-S4-P01- Offsite Highway Works (Junction) Tracking- 15m Coach.pdf
26CB01-CAM-50-XX-D-C-0703-S4-P02 - Existing Utilities within Offsite Highway Works.pdf
26CB01-CAM-50-XX-D-C-0730-S4-P01 - Offsite Highway Works Signalised Junction GA.pdf
26CB01-CAM-50-XX-D-C-0731-S4-P01 - Offsite Highway Works Signalised Junction Additional Land Take.pdf
26CB01-CAM-50-XX-D-C-0732-S4-P01 - Offsite Highway Works Signalised Junction Geometry.pdf
26CB01-CAM-50-XX-D-C-0811-S4-P01 - Offsite Highway Works (Junction) Road Construction Layout.pdf
26CB01-CAM-50-XX-D-C-0824-S4-P01 - Offsite Highway Works (Junction) Road Long Sections.pdf
26CB01-CAM-50-XX-D-C-0831-S4-P02 - Offsite Highway Works Construction Details Sheet 1.pdf
26CB01-CAM-50-XX-D-C-0832-S4-P02 - Offsite Highway Works Construction Details Sheet 2.pdf
26CB01-CAM-50-XX-D-C-0841-S4-P01 - Offsite Highway Works (Junction) Traffic Signs and Road Markings.pdf
26CB01-CAM-52-XX-D-C-0591-S4-P01 - Offsite Highway Works Signalised Junction Drainage.pdf
T23.135.TN.D2.Site Access Signals with Appendices.pdf

PIC Data

(Jan 2019 – Dec 2023)

APPENDIX B

Location of Identified Problems

