

WESTON UNDER PENYARD

Proposed Access Arrangements

Stage 1 Road Safety Audit

Overseeing Organisation: Herefordshire Council

October 2024



Road Safety Engineering

Project: Weston under Penyard
Proposed Access Arrangements

Document: Stage 1 Road Safety Audit

Design Organisation: David Tucker Associates

Overseeing Organisation: Herefordshire Council

Client: Lagan Homes Ltd

Gateway RSE ref: WP/SG/2409-12 RSA1 v1.0

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1 INTRODUCTION

- 1.1 This report describes a Stage 1 Road Safety Audit (RSA) of proposed access arrangements on A40 Gloucester Road at Weston under Penyard, within the Unitary Authority of Herefordshire. The audit brief, provided by Simon Parfitt of David Tucker Associates and dated 1st October 2024, describes the scheme as a new mini roundabout to provide access to a proposed development of up to 44 residential dwellings.
- 1.2 A40 Gloucester Road is a 2-lane single carriageway road running broadly west to east. It is unlit, with a footway running along the south side and is subject to a 30mph speed limit.
- 1.3 This Road Safety Audit Team comprised Wendy Palmer and Steve Giles. The Audit consisted of a desktop study and a site visit, which was carried out between 3pm and 3.30pm on Wednesday 2nd October 2024, when the weather was overcast and the road surface dry. Traffic flows were light and no congestion was observed, whilst some pedestrian but no cyclist movements occurred.
- 1.4 The terms of reference for this RSA are as described in the Design Manual for Roads and Bridges (DMRB) document GG119. The Audit Team is independent of the project design team and has not been involved in the design process in any other capacity. The audit considers only the potential road safety implications of the scheme and has not verified compliance of the design with any other criteria.
- 1.5 The Audit Team has not been made aware of any Departures from Standard. Whilst reference may be made to design standards, this report is not intended to provide a design check.
- 1.6 Recommendations are aimed at addressing the identified potential road safety problems. However, there may be other acceptable ways to overcome a problem, considering wider constraints and opportunities; the Auditors would be pleased to discuss such alternative solutions as appropriate. The recommendations contained herein do not absolve the Designers of their responsibilities.

Collision Data

- 1.7 Personal Injury Collision (PIC) information was obtained from the Crashmap database (www.crashmap.co.uk) for the latest available five-year period (2018 to 2022). It indicates that no PICs occurred at or close to the proposed works.

Previous Road Safety Audit(s)

- 1.8 The Audit Team is not aware of any previous RSA having been undertaken of this scheme.

2 PROBLEMS IDENTIFIED BY THIS ROAD SAFETY AUDIT

General Matters

- 2.1 The Audit Team raises no concerns in respect of general matters.

Local Alignment

2.2 Problem

Insufficient lane widths may result in cyclist collisions

Location: approaches to mini roundabout

Proposed carriageway widths adjacent to the islands at the mini roundabout have not been indicated. Lane widths of between 3.2m and 3.9m are not acceptable for cycling in mixed traffic. (LTN 1/20 Table 7-2), and the audit team is concerned that insufficient lane widths may result in cyclists being struck.

Recommendation

Suitable lane widths should be provided.

Junctions

2.3 Problem

Restricted visibility may result in turning collisions

Location: development arm of mini roundabout

Visibility splays to and from the development arm of the proposed mini roundabout have not been indicated. Proposed landscaping and boundary treatments may obscure drivers' visibility when turning out of the development, resulting in collisions at the roundabout.

Recommendation

Landscaping and planting should be of a low level variety and boundary treatments should be located at the rear of the visibility splay.

Walking, Cycling and Horse Riding

2.4 Problem

Pedestrians crossing the development arm may be struck by a passing vehicle.

Location: development arm of mini roundabout

Dropped crossing points on Gloucester Road are proposed for pedestrians to access the bus stops, however the internal road has no facility to cross west to east which may result in pedestrians crossing at unsafe locations and being struck by a passing vehicle.

Recommendation

A dropped crossing facility should be provided across the development access arm of the mini roundabout for pedestrians accessing the bus stops.

Road Signs, Carriageway Markings and Lighting

2.5 The Audit Team raises no concerns in respect of road signs, carriageway markings and lighting.

3 AUDIT TEAM STATEMENT

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

Audit Team Leader

Wendy Palmer
MCIHT, MSoRSA, FIHE, HE Cert Comp
Senior Road Safety Engineer

Signed:

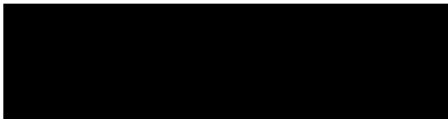


Date: 4th October 2024

Audit Team Member(s)

Steve Giles
BEng (Hons), IEng, FIHE, MCIHT, MICE, CMILT, MSoRSA, HE Cert Comp
Senior Road Safety Engineer

Signed:



Date: 4th October 2024

APPENDIX A

Items Considered by this RSA

Items Considered by this Road Safety Audit

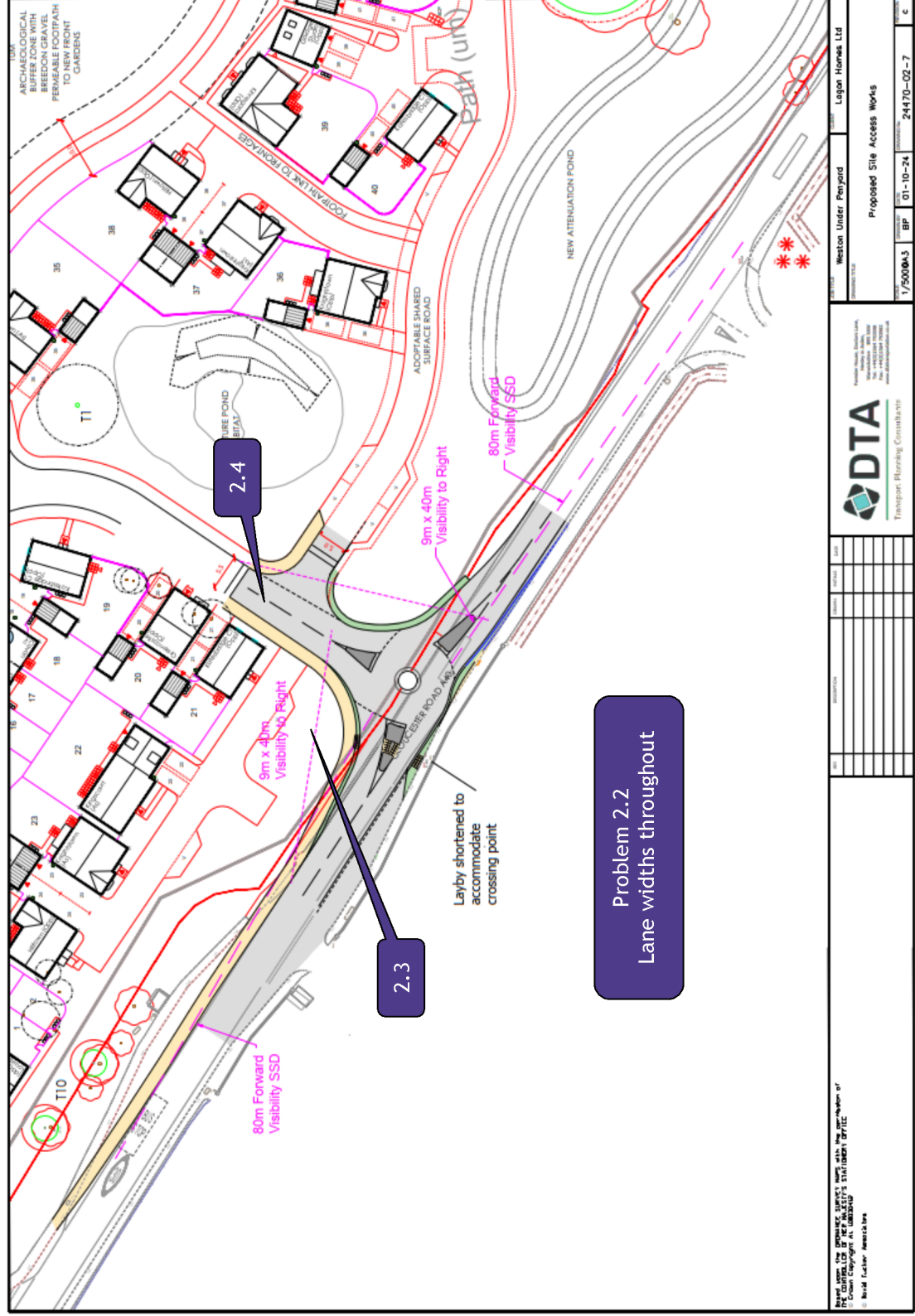
Document ref.	Rev.	Originator	Title
24470-02-7	C	DTA	Proposed Site Access Works
24470-02-8	C	DTA	Bus Layby Tracking Plan

Additional/background information provided to the Audit Team

- Audit Brief email dated 1/10/24 (David Tucker Associates)
- Updated Transport Statement (DTA ref SKP/BM/BP/24470-01c dated 7/6/24)

APPENDIX B

Location Plan(s)



ROAD SAFETY AUDIT RESPONSE REPORT

Project Details

Project: Weston under Penyard
Proposed Access Arrangements
GRSE Ref: WP/SG/2409-12 RSA1 v1.0
Status: Final v1.0
Issue date: 4th October 2024
Design Organisation: David Tucker Associates
Overseeing Organisation: Herefordshire Council
Client: Lagan Homes Ltd

Authorisation

Prepared by:
Name: Richard McCulloch
Position: Associate Director
Organisation: David Tucker Associates

Approved by:
Name: Simon Parfitt
Position: Director
Organisation: David Tucker Associates
Signed:

The Scheme

The highway works considered by the Road Safety Audit comprise:

- Proposed mini-roundabout junction to provide site access to planned residential development site.

Key Personnel

Overseeing Organisation:	[NAME (press F9)], [TITLE (press F9)] Herefordshire County Council
RSA Team:	Wendy Palmer, Senior Road Safety Engineer, Gateway RSE
	Steve Giles, Senior Road Safety Engineer, Gateway RSE
Design Organisation:	Richard McCulloch, Associate Director, David Tucker Associates
	Simon Parfitt, Director, David Tucker Associates

RSA Decision Log				
Item No.	RSA Recommendation	Design Organisation Response	Overseeing Organisation Comments	Agreed RSA Action
2.2	Suitable lane widths should be provided.	The Recommendation is acknowledged. The lane widths on the on approach to and exit from the mini roundabout will be narrowed to 3.2m with white line hatching.	The westbound nearside lateral shift is not required in this context and should be removed. The central splitter area should be enlarged but should be over-runable.	The approach lane and exit will be narrowed to 3.2m. The nearside lateral shift will not be provided. An over-runable arm splitter area will be provided. These are indicatively shown on DTA Drawing 24470-02-07.
2.3	Landscaping and planting should be of a low-level variety and boundary treatments should be located at the rear of the visibility splay.	The Recommendation is agreed and is to be respected at the implementation stage.	-	Landscaping and boundary treatments will not encroach in the junction visibility envelope.
2.4	A dropped crossing facility should be provided across the development access arm of the mini roundabout for pedestrians accessing the bus stops.	A dropped crossing with tactile paving is added to the internal site road providing safe and convenient means to cross from east to west within the site to access the A40 crossing.	-	A crossing will be provided on the access road as indicatively shown on DTA Drawing 24470-02-07

Design Organisation Statement:

On behalf of the design organisation, I certify that:

The RSA actions identified in response to the road safety audit problems in this road safety audit have been discussed and agreed with the Overseeing Organisation.



.....

Name:	Simon Parfitt
Organisation:	David Tucker Associates
Position:	Director
Date:	11/12/24

Overseeing Organisation Statement:

On behalf of the overseeing organisation, I certify that:

The RSA actions identified in response to the road safety audit problems in this road safety audit have been discussed and agreed with the Design Organisation.

The agreed RSA actions will be progressed.

.....

Name:	[NAME (press F9)]
Organisation:	Herefordshire Council
Position:	[TITLE (press F9)]
Date:	[DATE]

