

CLIENT:- HOMES ENGLAND

WBLR PHASE 3 HIGHWAY WORKS

A273/A2300

BURGESS HILL, WEST SUSSEX

**ROAD SAFETY AUDIT
STAGE 1 REPORT (updated)**

July 2024

M B Projects Ltd.

Job No. 124.042

Issue: FINAL

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1. INTRODUCTION

1.1 This report results from a Stage 1 Road Safety Audit carried out on the updated preliminary design of Phase 3 of the Western Bridge & Link Road (WBLR) scheme off A273/A2300 in Burgess Hill, West Sussex, at the request of the Design Organisation, Waterman Infrastructure & Environment, Crown House, 2-8 Gloucester Road, Redhill, Surrey RH1 1FH, on behalf of the Overseeing Organisation, West Sussex County Council.

1.2 The Road Safety Audit Team membership was as follows:

Martin Brownsey BSc DipEM MCIHT CoC
Director, M.B.Projects Ltd

Rebecca Thomas BSc MCIHT MSoRSA CoC
Traffic Safety Consultant, M.B.Projects Ltd

1.3 The Road Safety Audit took place at the Oxted office of M.B.Projects Ltd during July 2024. The Audit was undertaken in accordance with the audit brief in Waterman email dated 25th March 2024. The Audit comprised an examination of the drawings and documents provided and these are listed in Appendix A.

1.4 The site was visited by the Audit Team together on the morning of 4th October 2022 for the original stage 1 audit when weather conditions were dry and sunny. Traffic conditions on A273 and A2300 roads were moderate and a couple of pedestrians and no cyclists observed in the vicinity.

1.5 The terms of reference for this Road Safety Audit are as described in DMRB 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.

1.6 Each problem identified has been given a location reference and these are indicated on the A3 location plan in Appendix B.

1.7 The proposed S278 works within the scope of this audit includes the provision of:

- a 3m wide shared footway/cycleway on the northwest side of A273 northwards from the new Phase 1B roundabout
- a 3m wide shared footway/cycleway on the southwest side of A2300
- a 2m wide footway and a 3m wide 2-way cycletrack running along the northeast

side of A2300 westwards from the roundabout

- a 50m length of 3m wide shared footway/cycleway on the west side of A273 southwards from the new Phase 1B roundabout to connect with the existing network at Gatehouse Lane.

1.8 No details of any Departures from Standard have been provided by the Design Organisation.

2 ITEMS RAISED AT PREVIOUS ROAD SAFETY AUDITS

- 2.1 The road safety aspects of the Phase 3 Highway Works were the subject of comment in the October 2022 Stage 1 Road Safety Audit Report.
- 2.2 All issues raised in the Stage 1 Road Safety Audit have generally been resolved in the updated preliminary design.

3. ITEMS RESULTING FROM THIS STAGE 1 AUDIT

3.1 GENERAL

3.1.1 No problems identified in this category at this Stage 1 audit.

3.2 LOCAL ALIGNMENT

3.2.1 No problems identified in this category at this Stage 1 audit.

3.3 JUNCTIONS

3.3.1 No problems identified in this category at this Stage 1 audit.

3.4 WALKING, CYCLING AND HORSE RIDING

3.4.1 PROBLEM

Location: A (drawing 19442-WIE-ZZ-XX-DR-C-900101 P03) – A273

Summary: Risk of cycle/pedestrian conflicts

There is an existing bus stop located on the west side of A273 just north of the new Gatehouse Lane Pegasus Crossing. With the introduction of the proposed shared surface there is a risk of conflict between passengers waiting at the bus stop and a passing cyclist.

The bus will need to stop on the zig-zag markings which would not be appropriate, adversely affecting safety of those using the crossing.

RECOMMENDATION It is recommended that the interaction between waiting passengers and passing cyclists should be assessed, plus the arrangement of the zig-zag markings in order to determine if the bus stop should be relocated. The possibility to install a future bus shelter should also be considered in terms of available width of the selected site.

3.4.2 PROBLEM

Location: B (drawing 19442-WIE-ZZ-XX-DR-C-900103 P03) – A273 and A2300

Summary: Risk of cyclist striking tree branch

The proposed shared footway/cycleway along the south side of A2300 and west side of

A273 passes close to some existing trees in the verges of A273 and A2300. Lower branches could be a hazard to cyclists, risking head injury.

RECOMMENDATION It is recommended that existing trees adjacent to proposed cycleways should be checked and pruned as necessary, with a minimum of 2.4m headroom clearance for a cyclist. Any species of new trees for planting should be carefully selected in order to not require frequent future maintenance.

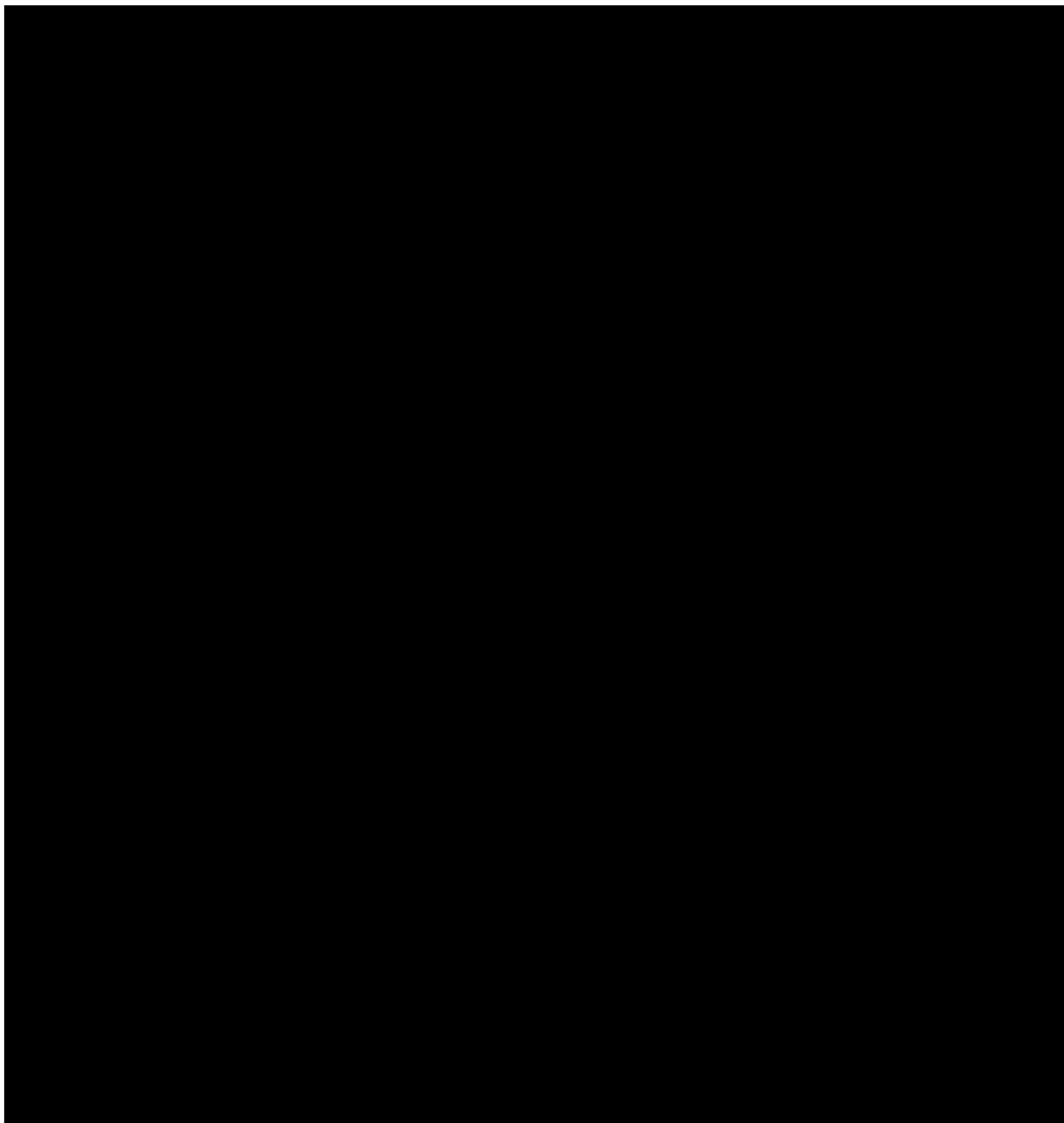
3.5 TRAFFIC SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING

3.5.1 No problems identified in this category at this Stage 1 audit.

3. AUDIT TEAM STATEMENT

We certify that this audit has been carried out in accordance with the principles of GG119.

AUDIT TEAM LEADER:



M B Projects Ltd
Highways Consultancy



APPENDIX A

LIST OF DRAWINGS AND DOCUMENTS EXAMINED IN THIS AUDIT

Drawing No.	Scale	Description
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Waterman

19442-WIE-ZZ-XX-DR-C-900100 P03	1:1000	General Arrangement Overview
19442-WIE-ZZ-XX-DR-C-900101 P03	1:250	General Arrangement sh 1 of 4
19442-WIE-ZZ-XX-DR-C-900102 P03	1:250	General Arrangement sh 2 of 4
19442-WIE-ZZ-XX-DR-C-900103 P03	1:250	General Arrangement sh 3 of 4
19442-WIE-ZZ-XX-DR-C-900104 P03	1:250	General Arrangement sh 4 of 4

Documents:

Road Safety Audit Brief	Waterman	July 2024
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Stage 1 Road Safety Audit	M.B.Projects Ltd	October 2022
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