



Stage 1 Road Safety Audit

Barkby Road, Syston

Proposed Residential Access

Date: 19/10/2022

Report produced for: Taylor Wimpey

Report requested by: DTA Transport Planning Consultants

On behalf of: Leicestershire County Council

Report prepared by: Elaine Bingham, Road Safety Consulting Ltd

Reference: RSC/EB/DL/22014

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 Proposed Residential Access

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Organisation	Contact	Copies
DTA Transport Planning Consultants	Simon Tucker	Ecopy

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1. Introduction

- 1.1. This report results from a Stage 1 Road Safety Audit carried out on the proposed access for a residential development on land north of Barkby Road in Syston. The Audit was carried out during October 2022.
- 1.2. This Road Safety Audit was produced for (client organisation): Taylor Wimpey, requested by (design organisation): DTA Transport Planning Consultants, on behalf of (overseeing organisation): Leicestershire County Council.
- 1.3. The Audit Team membership was as follows:

Audit Team Leader
Elaine Bingham
B Eng (Hons), MCIHT, MSoRSA
Certificate of Competence (Road Safety Audit)

Audit Team Member
Duncan Lord,
IEng, FIHE, Certificate of Competence (Road Safety Audit)
- 1.4. The audit took place at the offices of Road Safety Consulting Ltd between 18th and 19th October 2022. The audit was undertaken in accordance with the email instruction from Simon Tucker at DTA Transport Planning Consultants. The report has been prepared with reference to DMRB – GG 119 – Road Safety Audit.
- 1.5. The Audit Team visited the site together on the 18th October 2022 at 2pm. Weather at the time of the audit was fine. The road surface was dry. Traffic flows were low. No pedestrians or cyclists were observed.
- 1.6. The audit comprised an examination of the information provided by the Design Organisation and listed in Appendix 1.
- 1.7. 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.
- 1.8. All comments and recommendations are referenced to the design drawing and the locations have been indicated on plans in Appendix 2.

2. Items Considered

2.1. Scheme Proposals

- 2.1.1. The proposed residential development consists of up to 196 dwellings on land on the northern side of Barkby Lane to the east of Empingham Drive.
- 2.1.2. The proposed access consists of a new priority junction with a ghost island right turn lane into the site and is shown on DTA drawing 20060-02-2 Rev D.
- 2.1.3. Visibility splays of 2.4m by 75m to the east along Barkby Road and 2.4m by 120m to the west along Barkby Road are to be provided based on 85th percentile recorded speeds.
- 2.1.4. A footway is proposed along the western side of the access onto Barkby Road which continues along Barkby Road to be link into the existing footway at Empingham Drive.

2.2. Information Provided to the Audit Team

- 2.2.1. Information that has been provided to the Audit Team, for the purpose of this audit, is as outlined within Appendix 1 of this report.

2.3. Departures from Standards (Design)

- 2.3.1. The Audit Team has not been advised of any Departures from Standard

3. Items Raised at Previous Road Safety Audits

- 3.1. The Audit Team is aware that a previous Stage 1 Road Safety Audit was carried on these proposals by Mott MacDonalds in October 2018. This Road Safety Audit raised no road safety issues. Since the issue of this Road Safety Audit, the proposed footway has been relocated to the kerb edge.

4. Items Raised by this Stage 1 Road Safety Audit

4.1. Problem

Location: Proposed Footway

Summary: Ditch at back of footway
potential hazard for pedestrians

The proposed footway runs adjacent to an open ditch. During hours of darkness or in poor weather some pedestrians may be vulnerable to fall and injury, should they fail to appreciate the edge of the facility.

Recommendation:

It is recommended that the ditch is piped to remove the hazard or provide a suitable height fence to protect against falls.

4.2. Problem

Location: General

Summary: Surface water ponding may lead
to skidding type incidents.

The existing drainage provision along Barkby Road in the vicinity of the site appears to be that water runs off into the grass verge and via drainage grips into the ditch. The installation of the new kerb line could result in excessive water ponding along the new kerb line or within the junction bell mouth during inclement weather. This could result skidding type collisions particularly during freezing conditions.

Recommendation:

It is recommended that suitable drainage provision is provided.

4.3. Problem

Location: Western end of footway near tie
in with Empingham Drive.

Summary: Large Service cover may be a
slip hazard for pedestrians



There is a large service cover which will fall within the proposed footway. The metal service cover may pose as a slip hazard for pedestrians particularly during wet conditions.

Recommendation:

It is recommended that the service cover should be replaced with an infill cover containing the same material as the surrounding footway.

4.4. Problem

Location: Proposed site access

Summary: Restricted visibility may lead to
vehicle to vehicle collisions

The existing hedge line and telegraph pole to the left of the proposed access falls within the required visibility splay. Restricted visibility to and from the access may lead to vehicles pulling out of the access into an approaching vehicle leading to vehicle to vehicle collisions.

Recommendation:

It is recommended that adequate side road visibility is provided, consistent with measured free flow 85th percentile speeds; this may require the removal of the existing hedge line within the visibility splay and any new hedge/boundary treatment should be set back from the visibility splay.

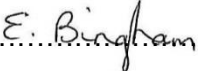
End of Safety Comments

5. Audit Team Statement

We certify that this Stage 1 Road Safety Audit has been carried with reference to GG 119.

Audit Team Leader


Elaine Bingham,
B Eng (Hons), MCIHT, MSoRSA
Certificate of Competence (Road Safety Audit)

Signed:  Dated 19th October 2022

Director of Road Safety Consulting Ltd

Audit Team Member

Duncan Lord,
IEng, FIHE
Certificate of Competence (Road Safety Audit)

Signed:  Dated 19th October 2022

Consultant working on behalf of Road Safety Consulting Ltd

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APPENDIX 1: Information Provided

List of Information Provided

Document Reference Number	Revision	Title
Report 20060-08b	-	Transport Assessment 30 th November 2021
Drawing 20060-02-2	D	Proposed Site Access Right Turn Lane Northern Site – Vehicle Tracking Plan
Response from Leicestershire County Council	-	Dated 3 rd October 2022

APPENDIX 2: Drawing Showing Problem Locations

Problem numbers shown on the attached drawing refer to Problem numbers within the report.

