



ROAD SAFETY AUDIT  
STAGE 1

PROPOSED ACCESS AND PARKING AREA  
MEPAL CREMATORIUM  
A142 IRETON'S WAY  
MEPAL, ELY

REPORT REF: BN/CDS/20-102

Including Designer's Response  
27 July 2021

Job no	BN-CDS-20-102	Issue no	1	Date	November 2020
Prepared by	BN	Verified by	JB	Approved by	BN

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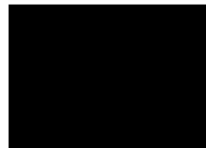
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Report Prepared By:



Beth Newiss MSoRSA

Checked By:



John Bowman MSoRSA

*NB: This report was produced for CDS Group, for the specific purpose of documenting the Stage 1 Road Safety Audit process undertaken under the principles of GG119.*

*This report may not be used by any person other than the CDS Group without their express permission.*

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## PROJECT DETAILS

Report Title:	Stage 1 Road Safety Audit
Date:	November 2020
Document reference and revision:	BN-CDS-20-102
Prepared by:	Beth Newiss and Associates
Design Organisation:	CDS Group
Project Sponsor:	East Cambridgeshire District Council
Overseeing Organisation:	Cambridgeshire County Council

REV	ISSUE PURPOSE	AUTHOR	CHECKED	APPROVED	DATE
0	Stage 1 Road Safety Audit drafted for Audit Team discussions.	BN			12/11/2020
1	Stage 1 Road Safety Audit finalised and issued to the Design Organisation.	BN	JB	BN	12/11/2020

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## DRAWINGS/DOCUMENTS PRESENTED FOR AUDIT

D200004-CDS-EN-ZZ-DR-L-007 Concept – Highways Statement and Road Safety Audit

Audit Brief – dated 12<sup>th</sup> November 2020

Automatic Traffic Count Information

## APPENDICES

- A1 INFORMATION PRESENTED FOR AUDIT
- A2 LOCATION PLAN
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## 1.0 INTRODUCTION

1.1 This report results from a Stage 1 Road Safety Audit (RSA) carried out on the preliminary design for the proposed access and associated parking area for a new crematorium on the A142 Ireton's Way, Mepal, Ely. The audit was requested by the CDS Group on behalf of East Cambridgeshire District Council.

1.2 The Scheme:  
Proposed introduction of a crematorium within a site previously occupied by Mepal Outdoor Centre on the A142 Ireton's Way, Mepal, Ely.

1.3 The Proposals:

- Reopening of the existing access on the western side of the A142 Ireton Way.
- Introduction of a separate 'in/out' parking area for 6 vehicles located approximately 280m to the north-west of the existing access. There is an existing access at this location.

1.4 The Road Safety Audit was undertaken during November 2020 in accordance with the Road Safety Audit Brief supplied, on the 11<sup>th</sup> November 2020 by the Design Organisation, CDS Group, on behalf of the Project Sponsor, East Cambridgeshire District Council. The Road Safety Audit comprised of an examination of the drawing and documents provided, as listed in appendix A.

1.5 The Road Safety Audit has been undertaken by an Audit Team whose qualifications and experience accord with the requirements and approval of the Local Authority. The Audit Team consists of the following members:

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1.6 The terms of reference of this Road Safety Audit are as described in DMRB GG119 Road Safety Audit. This Road Safety Audit has been undertaken based on the Audit Team's previous experience and knowledge in undertaking Collision Investigation, Road Safety Engineering and Road Safety Audits. The scheme has been examined and this report compiled, only with regard to the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other standards or criteria. However, in order

to clearly explain a safety problem or the recommendation to resolve a problem, the Audit Team may on occasion have referred to a design standard for information only. A technical audit has not been included. All comments and recommendations are referenced to the design drawings supplied with the Audit Brief and the location of road safety concerns raised have been illustrated adjacent to the items along with relevant photographs for clarity, where appropriate, as well as on the Location Plan attached at Appendix 2.

- 1.7 It should be highlighted that whilst the audit has been undertaken in accordance with the principle procedures laid out in GG119, due to the current COVID-19, the present lockdown and the rural nature of the site only the Audit Team leader visited the site. A review of the report, accompanied by a video taken at the time of the site visit, was however undertaken by the Audit team member.
- 1.8 The site visit was undertaken by the Team Leader on the 11<sup>th</sup> November 2020 between 1:50 and 2:30pm. During the visit the weather was dry and overcast. The road surface was dry. Traffic flow was constant on the A142 Ireton's Way, however it was not busy during the time of the visit. No cyclists nor pedestrians were observed.
- 1.9 The Audit Team have not been presented with any collision data. Having retrieved collision data from CrashMAP it has been noted that there have been two (2) slight collisions within the vicinity of the proposals, one in 2018 the other in 2016. Without full collision information the Audit Team cannot ascertain the causation factors for these collisions.
- 1.10 Recommendations made in this report are proportionate and viable suggestions for improvement to eliminate or mitigate safety issues, in accordance with GG119, and do not imply that a formal design process has been undertaken. 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 the Design Organisation responds to this report.
- 1.11 A Road Safety Audit Response report in accordance with GG119 should be provided by the Designer Organisation, formally recorded and reported to the Overseeing Organisation and the RSA Team so that a record of the Audit process is contained in the As Built design pack to be provided and retained by the Overseeing Organisation on final completion. Any drawings or documents associated with the Design Organisation Response are listed at Appendix A3, if applicable.

## 2.0 PREVIOUS ROAD SAFETY AUDIT(S)

2.1 The Audit Team have not been made aware of any previous Road Safety Audit(s).

### 3.0 SAFETY ISSUES RAISED AT THIS STAGE 1 ROAD SAFETY AUDIT

#### 3.1 GENERAL

PROBLEM	
Location:	A – Site Access and Proposed Parking Area for Recreational Activities
Summary:	Existing vegetation may reduce visibility resulting in a driver pulling out of the access into the path of oncoming vehicles
<p>Whilst on site it was noted that there is a reasonable level of vegetation within the vicinity of both the existing access and the exit junction for the proposed parking area. Reduced visibility may result in a driver pulling out of the access into the path of an oncoming vehicle.</p>	
RECOMMENDATION	
<p>It is recommended that visibility splays are introduced to the drawings with stopping sight distance appropriate with the speed limit on the A142 Ireton's Way.</p> <p>It is also recommended that all vegetation is cleared from within the visibility splays.</p>	
DESIGNER'S RESPONSE	
<p>The recommendation is accepted and appropriate visibility splays will be provided and maintained.</p>	

PROBLEM	
Location:	B – Proposed Parking Area for Recreational Activities
Summary:	Potential obstruction of the A142 Ireton's Way resulting in rear end shunts
<p>The Audit Team is concerned that there may be insufficient space for a driver to completely enter the parking area when another drivers is exiting a parking space resulting in the potential for a vehicle to overhang onto the main A142 Ireton's Way and potential rear end shunts.</p>	
RECOMMENDATION	
<p>It is recommended that further information regarding this usage of this area is provided to the Audit Team at Stage 2 Road Safety Audit.</p> <p>It is recommended that Auto Tracking is undertaken to establish the ease as to which a driver can enter the parking area whilst another vehicle is exiting a parking space.</p>	
DESIGNER'S RESPONSE	
<p>This recommendation is accepted and related swept path analyses have now been undertaken. Further details will also be provided for the Stage 2 Road Safety Audit as required by the Audit Team.</p>	

PROBLEM	
Location:	C - Access/Exit to the Crematorium
Summary:	Increased risk of collisions involving higher speeds and right turn manoeuvre.
<p>The Audit Team are concerned that to join the flow of traffic on the A142 Ireton's Way drivers looking to travel southbound and exit right out of the Crematorium put themselves at risk of strike by oncoming vehicles. This is a particular issue as the posted speed limit on the A142 Ireton's Way is 60mph and the higher approach speeds may make exiting the junction difficult and encourage drivers to seek gaps in the traffic. This will be further exacerbated by high levels of vehicles attempting to exit the junction at the same time resulting in impatient drivers.</p> <p>NB: At the junction for the Mepal Quarry (south of the main entrance to the crematorium) there is a sign stating 'That all vehicles must turn left by order of Cambridge shire Highways'. It is unclear whether this sign is legally binding however it does highlight this as a potential issue on other junctions along this stretch of the A142 Ireton's Way.</p>	
RECOMMENDATION	
It is recommended that a 'No Right Turn' order is introduced at this location.	
DESIGNER'S RESPONSE	
The recommendation is accepted. Following discussion with the Highway Authority, it has been agreed that a 'Right Turn Prohibition' will be introduced at the exit from the Crematorium site, along with a new splitter island and associated signing.	



PROBLEM	
Location:	D – Exit from Proposed Parking Area for Recreational Activities
Summary:	Increased risk of collisions involving higher speeds and right turn manoeuvre.
<p>The Audit Team are concerned that to join the flow of traffic on the A142 Ireton's Way drivers looking to travel southbound and exit right out of the parking area put themselves at risk of strike by oncoming vehicles. This is a particular issue as the posted speed limit on the A142 Ireton's Way is 60mph and the higher approach speeds may make exiting the junction difficult and encourage drivers to seek gaps in the traffic. This will be further exacerbated by proximity of the roundabout and the likelihood that drivers exiting the roundabout and entering the A142 Ireton's Way will be increasing their speed.</p>	
RECOMMENDATION	
It is recommended that a 'No Right Turn' order is introduced at this location.	
DESIGNER'S RESPONSE	
<p>The recommendation has been discussed with the Highway Authority. However, it was agreed that such a measure would not be necessary, as the physical layout at this location would naturally encourage motorists to turn left, at a point where they will be able to see the nearby roundabout (where they will have the option to undertake a 'U-Turn'). It was also agreed that there is less risk associated with a right turn at this location, when compared with turning right from the Crematorium (and across the right turn ghost island).</p>	

### 3.2 SIGNING LIGHTING AND CARRIAGEWAY MARKINGS

PROBLEM	
Location:	All approaches
Summary:	Increased risk of collisions due to reduced awareness and higher approach speeds.
<p>The Audit Team are concerned that the awareness of this access will be reduced as the Mepal Outdoor Centre has been closed for some time. Approaching drivers will not expect drivers to be exiting the junction and may approach the access at speed resulting in the potential for conflict is a driver exiting the junction does so unexpectedly.</p>	
RECOMMENDATION	
<p>It is recommended that on construction temporary 'New Road Layout' signs are introduced to highlight the changes.</p> <p>It is also recommended that permanent 'Advanced Warning' signage are introduced on both approaches to highlight the increased movement into and out of the junction.</p>	
DESIGNER'S RESPONSE	
<p>The recommendation is accepted and detailed traffic signing proposals will be drawn up at the detailed design stage.</p>	

#### 4.0 AUDIT TEAM STATEMENT

4.1 We certify that this audit has been undertaken in accordance with the principles of GG119.

Audit Team Leader

Beth Newiss MCIHT MSoRSA



Date: 12<sup>th</sup> November 2020

John Bowman MCIHT MSoRSA



Date: 12<sup>th</sup> November 2020

# APPENDIX A1

## INFORMATION PRESENTED FOR AUDIT



## Road Safety Audit Brief – Mepal Crematorium

Design Organisation: The CDS Group

Email address: [Becky.Ballinger@TheCDSGroup.co.uk](mailto:Becky.Ballinger@TheCDSGroup.co.uk)

Adopting Authority: Cambridge shire County Council

Audit Stage Request: 1

Scheme Name: Mepal crematorium - A142 Ireton's Way, Mepal

Speed Limit: Derestricted

### Description of scheme proposals

New crematorium to be constructed at the former Mepal Outdoor Centre site. Access to be via the existing access, which already has a right turn ghost island.

Possible additional access/parking area for walkers/fishing/etc further north.

### Documents provided with this Road Safety Audit brief (yes/no)

Previous Road Safety Audit report(s) ..... no

Previous Designers Response report(s)..... no

Site location plan ..... no

Scheme design plans ..... yes

Sign schedules ..... no

Crash data ..... no

Vehicle speed & flow data ..... yes

Pedestrian flow data ..... no

As built design plans (stage 3 & 4 only) ..... no

Road Safety Audit is to be carried out in accordance with Design Manual for Roads and Bridges GG119.

# APPENDIX A2

## LOCATION PLAN

