

11012

**Access to Brownswood Quarry,
Enniscorthy, Co. Wexford**

ROAD SAFETY AUDIT STAGE 1/2

March 2011

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Access to Brownswood Quarry, Enniscorthy, Co. Wexford

ROAD SAFETY AUDIT STAGE 1/2

1. INTRODUCTION

- 1.1 This report describes a Stage 1/2 Road Safety Audit carried out at Brownswood Quarry Access, Enniscorthy, Co. Wexford on behalf of SLR Consulting Ireland. The audit was carried out on 25th March 2011 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:-
- Dermot Donovan, BE CEng FIEI;
- George Frisby, BE MIEI;
- 1.3 Both audit team members visited the site. The audit comprised an examination of the drawings relating to the scheme supplied by SLR Consulting Ireland and an examination of the site.
- 1.4 This Stage 1/2 Audit has been carried out in accordance with the relevant sections of NRA DMRB HD19. The team has examined only those issues within the design relating to the road safety implications of the road access to the scheme, and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.5 Appendix A describes the audited drawings.

2. STAGE 1/2 AUDIT

Introduction

This is an audit of a proposal to infill the existing Brownswood Quarry, south of Enniscorthy, Co. Wexford. Access to the quarry is from a local road with a north/south orientation that runs parallel to, and immediately east of, the N11 (the local road is likely to have been part of the N11 prior to past realignment). The local road forms a crossroads with another local road that runs east from the N11. The mainline through the crossroads is from the N11 to the quarry, and the northern and eastern approaches to the crossroads have STOP control. The northern arm of the crossroads is a cul-de-sac.

The N11 has a 100 kph speed limit and the minor roads are 80kph.

2.1 Problem

The sightline to the left at the N11 junction is obstructed by roadside vegetation.

Recommendation

Cut back the vegetation to provide a sightline to NRA DMRB standard from 3m back from the back of the hard shoulder.

2.2 Problem

The sightline to the left from the eastern arm of the crossroads is obstructed by roadside vegetation.

Recommendation

Cut back the vegetation to achieve a sightline to NRA DMRB standards.

2.3 Problem

The STOP sign at the N11 junction is not visible to approaching drivers due to the nature of the road alignments and the presence of roadside vegetation. To counteract the problem a supplementary STOP sign has been erected at the crossroads, in advance of the N11 junction, but its intention may not be clear and it could, at worst, cause a driver exiting the quarry to stop suddenly at the crossroads. In addition there is a yield sign on the quarry access road approaching the crossroads which could lead to further confusion.

Recommendation

Provide a channelising island with stop sign in the mouth of the N11 junction. Remove the supplementary STOP sign at the crossroads and replace the yield sign on the quarry access road with a signing stating CAUTION – STOP AHEAD.

The channelizing island will mitigate an additional problem with the swept paths of vehicles at the N11 junction. The junction mouth is very wide and large vehicles do not stay within lane when entering and exiting the minor road. Such conditions could cause delay to a vehicle clearing the N11, in circumstances where there is more than one vehicle turning at the junction. The channelizing island will provide physical separation between turning manoeuvres and will also highlight the presence of the junction to all drivers approaching on the mainline.

2.4 **Problem**

There is no STOP line or road markings at the N11 junction, and the STOP markings on the eastern approach to the crossroads are worn leading to a risk of overshoot at either junction.

Recommendation

Provide STOP lining and markings in accordance with the Traffic Signs Manual 2010.

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3. AUDIT TEAM STATEMENT

3.1 We certify that we have examined the drawing listed in Appendix A and have inspected the site. This examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified to improve the safety of the scheme.

Signed.....  Dermot Donovan

Date 25th March 2011.....

Signed  George Frisby

Date 25th March 2011.....

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APPENDIX A

List of Drawings Examined:

Drawing entitled 'Road Survey – Feb 2011' provided electronically in PDF format by SLR Consulting Ireland.

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SAFETY AUDIT FEEDBACK FORM

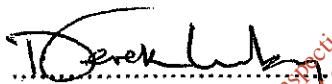
Scheme: 11012 Access to Brownswood Quarry, Enniscorthy, Co. Wexford

Audit Stage: 1/2

Date Audit Completed: 25th March 2011

Paragraph No in Safety Audit Report	Problem Accepted (yes/no)	Recommended Measure Accepted (yes/no)	Alternative measures and/or designer's comments on recommended measures	Alternative Measures Accepted by Auditors (yes/no)
2.1	Yes	Yes		
2.2	Yes	Yes		
2.3	Yes	Yes		
2.4	Yes	Yes		

Signed



Design Team Leader

Date

17.05.2011

Safety Audit Signed off:



Audit Team Leader

Date

17 May 2011

Please complete and return to:

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Kilkenny
Email: info@roadplan.ie