



Stage 1 Road Safety Audit

**Proposed Works to Castlegar Road / Bóthar An Choiste
(L5041) Road Junction, Castlegar Village, Galway**

On behalf of Galway City Council

Prepared By:

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April 2022

Civil
Structural
Traffic

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Document History

Revision	R0	R1	R2						
Purpose of Issue: P=Preliminary PG=Progress C=Comment I=Information PL=Planning T=Tender CN=Construction	C	C	I						
Date:	07 04 22	12 04 22	28 04 22						
Originator:	SS	SS	SS						
Checked By:	FF	FF	FF						
Approved By:	SS	SS	SS						

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1. Introduction

- 1.1. This report describes a Stage 1 Road Safety Audit carried out on behalf of Galway City Council on proposals to amend the Castlegar Road / Bóthar An Choiste (L5041) road junction with intent to provide an upgraded access to service Galway City Council zoned lands to the north east of this junction.
- 1.2. The audit was carried out between 28th September 2021 and 11th April 2022.
- 1.3. The audit team were as follows:
Team Leader:
Stuart Summerfield, HNC (Civil) MCIHT FSoRSA
Certificate of Competency in Road Safety Audits (SoRSA, 2015)
TII Auditor Ref. SS73290

Team Member:
Francis Fidgeon, Chartered Engineer, BE CEng MIEI
Certificate of Competency in Road Safety Audits (UCD, 2013)
TII Auditor Ref. FF74289
- 1.4. The audit comprised an examination of the drawings relating to the scheme supplied by the design office. A site visit was carried out by both Audit Team members together on 28th September 2021 between the hours of 14:00-15:00. Weather conditions during the inspection were showers and the road surface was generally dry. Photographs were taken during the inspection.
- 1.5. This Stage 1 audit has been carried out in accordance with the relevant sections of the Transport Infrastructure Ireland (TII) Publication (Standard) GE-STY-01024 (Dec 2017) 'Road Safety Audit'. The audit team has examined only those issues within the design relating to the road safety implications of the scheme and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.6. Appendix A describes the documents examined by the Audit Team.
- 1.7. All of the problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence.

2. Items Resulting from Previous Stage 1 Audit

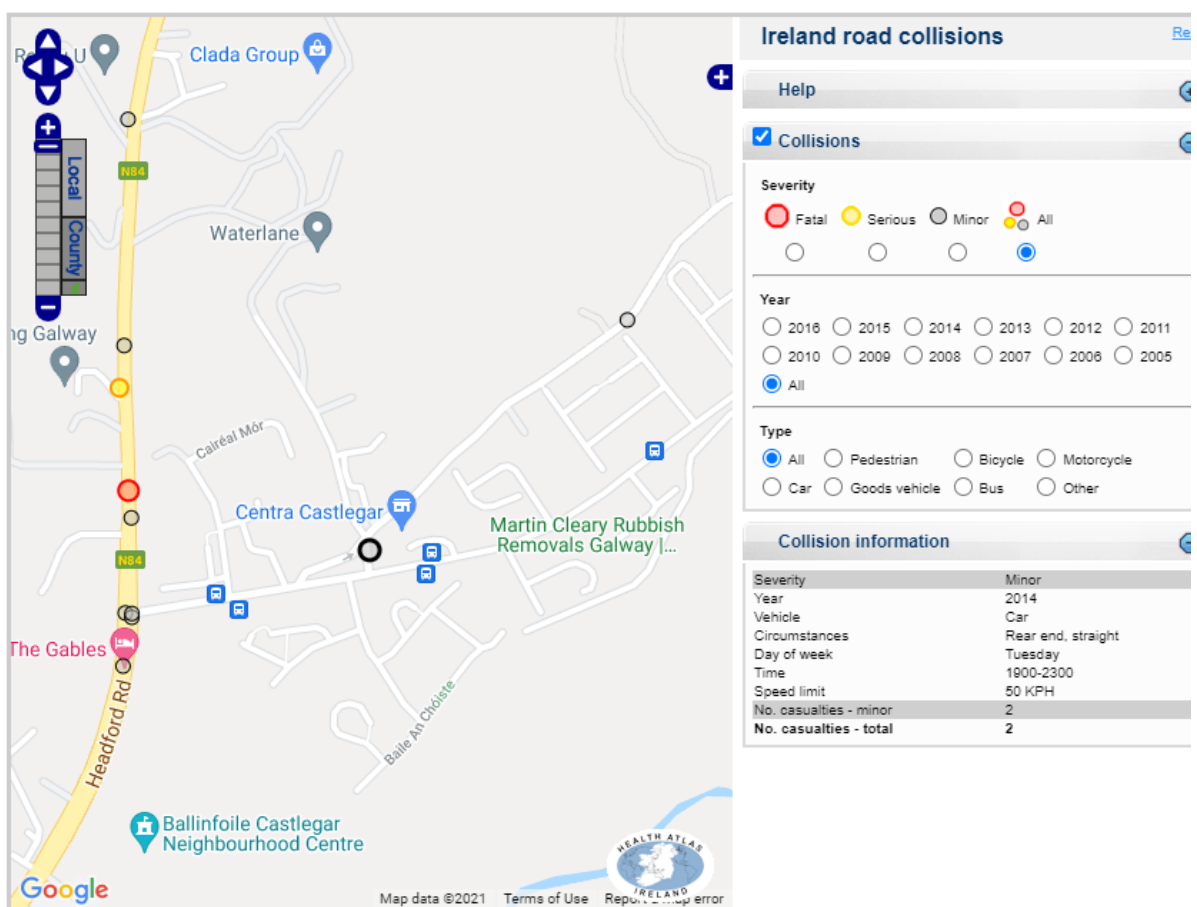
No previous Road Safety Audit has been offered for reference.

3. Items Resulting from This Stage 1 Audit

3.1 Collision Data

Collision data has not been supplied with this scheme.

Road Collision Data available on the Road Safety Authority Database, within the period 2005 to 2016, recorded one collision in the immediate vicinity of the proposed site. This is shown as a “rear end straight” resulting in minor injuries.



3.2 General Problems / Problems at Multiple Locations

3.2.1 Vehicle Swept Path

Problem: The swept path shown on the design is for a 12m coach. There is likelihood that larger vehicles will occasionally make use of the Castlegar Road.

Hazard: Larger vehicles may be required to enter into the opposing traffic lane or over sail the footpath. Impact with other road users may result.

Recommendation: Ensure the road space is suitable for all anticipated vehicle types.

3.2.2 Junction visibility for Waterlane and adjacent private house

Problem: The proposals include for widening the existing Castlegar Road and will likely increase vehicle speeds on this road. Provision of future development off the road will also increase traffic volumes. It appears the northern road edge is to be moved further north and closer to both Waterlane and the adjacent dwelling house.



Hazard: Visibility when exiting both Waterlane and the adjacent private dwelling house is likely to be further compromised by the proposals.

Recommendation: Ensure adequate junction visibility is achieved for the junctions/accesses off Castlegar Road.

3.2.3 See-through to former road

Problem: The existing Castlegar Road to the west of the proposed junction remains and is shown dotted on the drawings.

Hazard: Road users may errantly believe this road is available for use and strike the new kerb.

Recommendation: Break out and landscape the redundant element of road.

3.2.4 Road Serving Access to Future Development

Problem: The existing road leading to the future development lands is narrow and incorporates sharp bends with poor forward visibility and no footpaths.



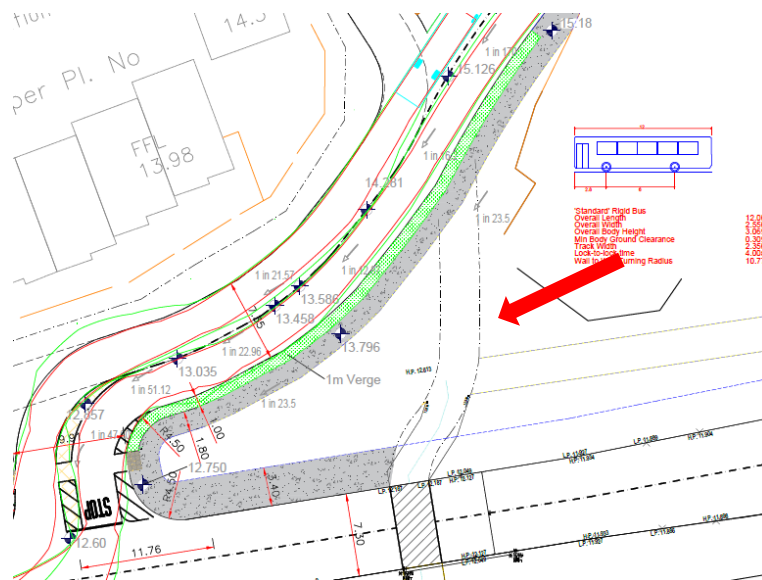
Hazard: The future developments are likely to generate additional vehicular and pedestrian traffic on this road. Head on impacts between vehicles or pedestrian strikes may result.

Recommendation: Upgrade the road to provide adequate forward visibility, carriageway width and pedestrian facilities.

3.3 Problems at Specific Locations

3.3.1 Existing Castlegar Road – Southbound Exit

Problem: The existing southbound exit lane is to be made redundant by the works. It is not shown if this road is to be broken out.



Hazard: Cyclists may continue to use this section of decommissioned road. Due to the steep downhill gradient, cyclists may errantly enter the Bóthar An Choiste (L5041) road and impact with traffic.

Recommendation: Remove the redundant road.

Note: Access to the ESB sub-station will need to be maintained.

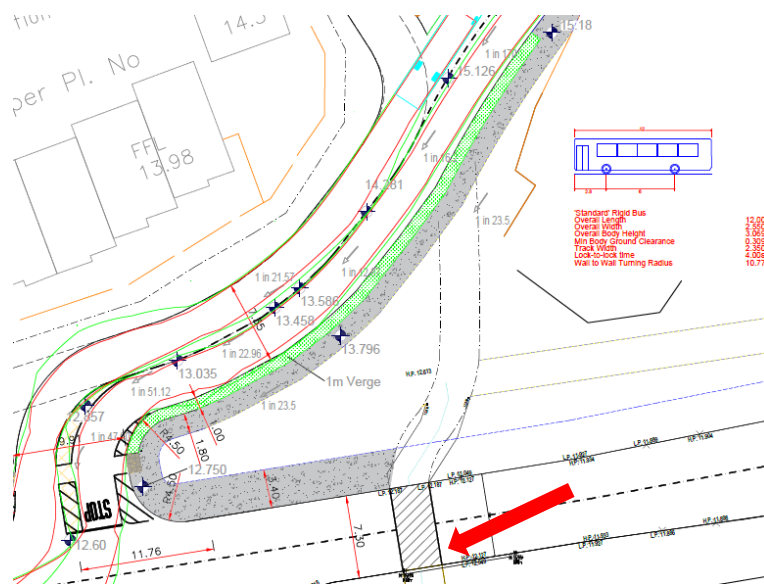
3.3.2 Bothar An Choiste (L5041) Central Median

Problem: There is an existing raised central median in the L5041 to the west of the proposed junction. The proposals include for removal of the existing right turning lane and associated hatch markings that lead up to this median.



3.3.4 Bothar an Choiste (L5041) Road Markings

Problem: There are road markings proposed at a location for pedestrians to cross Bothar an Choiste (L5041) that are non-standard.

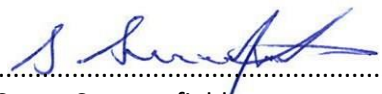


Hazard: Motorists may be confused as to what to do here and slow down stop in the carriageway and be rear-ended.

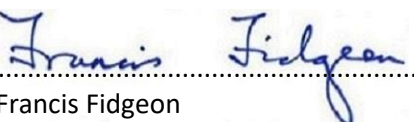
Recommendation: Ensure any road markings comply with the Traffic Signs Manual.

4. Audit Team Statement

We certify that we have examined the drawings and other information listed in Appendix A. 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. The problems that we have identified have been noted in the report, together with suggestions for improvement which we recommend should be studied for implementation. No one in the audit team has been involved with the scheme design as shown in Appendix A.

Signed 
Stuart Summerfield
Audit Team Leader

Date *11th April 2022*

Signed 
Francis Fidgeon
Chartered Engineer
Audit Team Member

Date *11th April 2022*

Appendix A List of Documents Examined

DOCUMENT REF / NAME:	RECEIVED FROM:	DATE:
Proposed Realigned Road Junction	Tobin	07.09.2021

Appendix C RSA Feedback Form

ROAD SAFETY AUDIT FEEDBACK FORM

CST Group Chartered Consulting Engineers
1, O'Connell Street, Sligo, F91 W7YV, Ireland

Scheme: Proposed Works to Castlegar Road / Bóthar An Choiste (L5041) Road Junction, Castlegar Village, Galway on behalf of Galway City Council.

Audit Stage: 1 **Date Audit Completed:** 27/04/22 **Route No.** _____ **Our Ref :** 121117|R1

TO BE COMPLETED BY DESIGNER				TO BE COMPLETED BY AUDIT TEAM LEADER
Paragraph No. in Safety Audit Report	Problem accepted (Yes/No)	Recommended measure accepted (Yes/No)	Describe alternative measure(s). Give reasons for not accepting recommended measure. Only complete if recommended measure is not accepted.	Alternative measures or reasons accepted by Auditors (Yes/No)
3.2.1	yes	yes		
3.2.2	yes	yes		
3.2.3	yes	yes		
3.2.4	yes	yes		
3.3.1	yes	yes		
3.3.2	yes	yes		
3.3.3	yes	yes		
3.3.4	yes	yes		

Signed: Ronald Robinson Designer Date: 27/04/2022
Ronald Robinson
TOBIN Consulting Engineers

Signed: S. Summerfield Audit Team Leader Date: 27/04/22
Stuart Summerfield
CST Group Chartered Consulting Engineers

Signed: Cyril Mitchell Employer Date: 28/04/2022
Cyril Mitchell
Galway City Council