

AtkinsRéalis



Stage 1 Road Safety Audit Report

Mayo County Council

May 2025

N58 STRADE RIVER BRIDGE REHABILITATION WORKS

Strade River Bridge

Stage 1 Road Safety Audit

Atkinsréalis

May 2025

Strade River Bridge

Stage 1 Road Safety Audit

May 2025

Notice

This document and its contents have been prepared and are intended solely for Atkinsréalis' information and use in relation to Strade River Bridge.

Traffico assumes no responsibility to any other party in respect of or arising out of or in connection with this document and / or its contents.

Document History

| JOB NUMBER: 250042 | | | DOCUMENT REF: 250042RPT002_RSA_Rev_1 | | | |
|--------------------|---------------------|------------|--------------------------------------|----------|------------|-------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 1 | Final Issue | MD | MD | MD | MD | 20 May 2025 |
| 0 | Draft Issue | MD | MD | GD | MD | 14 May 2025 |
| Revision | Purpose Description | Originated | Checked | Reviewed | Authorised | Date |

Contents

| Section | Page |
|---|----------|
| 1. Introduction | 2 |
| 1.1 Report Context | 2 |
| 1.2 Details of Site Inspection | 2 |
| 1.3 The Road Safety Audit Team | 2 |
| 1.4 Design Information Examined as Part of the Audit Process | 2 |
| 1.5 Road Safety Audit Compliance | 2 |
| 2. Road Safety Issues Identified | 4 |
| 2.1 Problem: Safety Barrier Partially Obscuring Sight Lines | 4 |
| 2.2 Problem: Road Side Feature Impacting on Barrier Operation | 4 |
| 3. Audit Team Statement | 5 |
| 3.1 Certification & Purpose | 5 |
| 3.2 Implementation of RSA Recommendations | 5 |
| 3.3 Road Safety Audit Team Sign-Off | 5 |
| 4. Designers Response | 6 |
| 4.1 How the Designer Should Respond to the Road Safety Audit | 6 |
| 4.2 Returning the Completed Feedback Form | 6 |

List of Tables

| | |
|-------------------------------------|---|
| Table 1.1 – Site Inspection Details | 2 |
| Table 1.2 – Audit Team Details | 2 |
| Table 1.3 – Designers Drawing List | 2 |

List of Figures

| | |
|---|---|
| Figure 2.1 – Safety Barrier Partially Obscuring Sight Lines at The Davitt Museum Access | 4 |
| Figure 2.2 – Davitt Museum Sign May Prevent Barrier from Deforming Following Vehicle Impact | 4 |
| Figure 4.1 – Road Safety Audit Sign-Off and Completion Process | 6 |

Appendices

| | |
|-------------------------------------|----------|
| Appendix A | 7 |
| A.1 Road Safety Audit Feedback Form | 7 |

1. Introduction

1.1 Report Context

This report describes the findings of a Stage 1 Road Safety Audit associated with the Strade River Bridge.

The Audit has been completed by Traffico on behalf of Atkinsréalis.

1.2 Details of Site Inspection

| Date | Daylight / Darkness | Weather & Road Conditions |
|-------------------------------------|---------------------|--------------------------------|
| Tuesday 29 th April 2025 | Daylight | Sunny with dry road pavements. |

Table 1.1 – Site Inspection Details

1.3 The Road Safety Audit Team

The members of the Road Safety Audit Team have been listed following:

| Status | Name / Qualifications | TII Auditor Reference No: |
|-------------------------|--|---------------------------|
| Audit Team Leader (ATL) | Martin Deegan BEng(Hons) MSc CEng FIEI | MD101312 |
| Audit Team Member (ATM) | Gabriel Dooley B.E CEng MIEI Eurlng | GD7452192 |

Table 1.2 – Audit Team Details

1.4 Design Information Examined as Part of the Audit Process

The following design information was examined as part of the Road Safety Audit (RSA) process:

| Drawing No. | Drawing Title | Rev. |
|--------------------------------|---|------|
| 0088572-ATK-02-XX-DR-CE-900203 | Strade River Bridge MO-N58-001.50 Proposed Site Layout Plan | P02 |

Table 1.3 – Designers Drawing List

1.5 Road Safety Audit Compliance

Procedure and Scope

This Road Safety Audit has been carried out in accordance with the procedures and scope set out in TII publication number GE-STY-01024 - Road Safety Audit.

As part of the road safety audit process, the Audit Team have examined only those issues within the design which relate directly to road safety.

Compliance with Design Standards

The road safety audit process is not a design check, therefore verification or compliance with design standards has not formed part of the audit process.

Minimizing Risk of Collision Occurrence

All 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 the risk of collision occurrence.

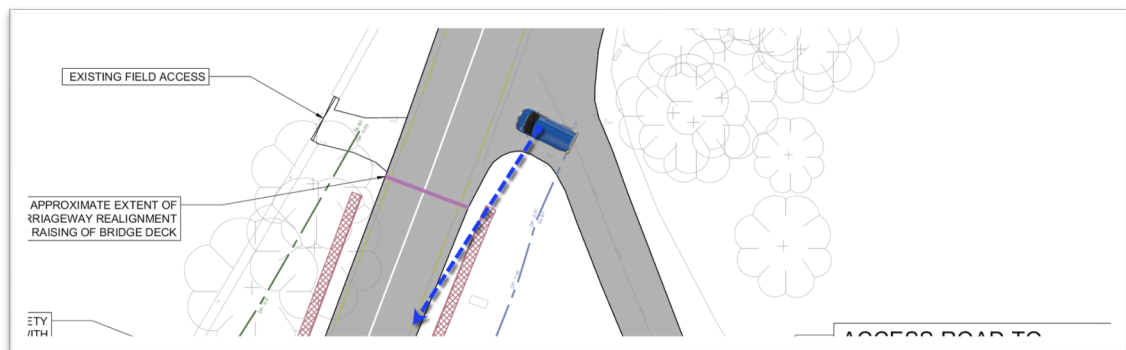
2. Road Safety Issues Identified

2.1 Problem: Safety Barrier Partially Obscuring Sight Lines

Location: Accesses on Either Side of Strade River Bridge

The proposed safety barrier may partially obscure drivers' sight lines at the Davitt Museum access, potentially increasing collision risks on the N58.

Figure 2.1 – Safety Barrier Partially Obscuring Sight Lines at The Davitt Museum Access



Recommendation

Assess sight lines at the access and adjust the safety barrier (if required) to optimize visibility.

2.2 Problem: Road Side Feature Impacting on Barrier Operation

Location: Existing Masonry Sign for Davitt Museum

The Davitt Museum sign could be positioned within the barrier's working width, which may compromise the barrier's ability to deform correctly in the event of a vehicle impact. This could potentially increase the severity of a collision.

Figure 2.2 – Davitt Museum Sign May Prevent Barrier from Deforming Following Vehicle Impact



Recommendation

The position of the sign as it relates to the barrier should be checked, with appropriate adjustments made to ensure that the performance of the barrier is not compromised.

3. Audit Team Statement

3.1 Certification & Purpose

We certify that we have examined the drawing(s) listed in Chapter 1 of this Report.

Sole Purpose of the Road Safety Audit

The Road Safety Audit has been carried out with the sole purpose of identifying any features of the design which could be removed or modified to improve the road safety aspects of the scheme.

3.2 Implementation of RSA Recommendations

The problems identified herein have been noted in the Report together with their associated recommendations for road safety improvements.

We (the Audit Team) propose that these recommendations should be studied with a view to implementation.

Audit Team's Independence to the Design Process

No member of the Audit Team has been otherwise involved with the design of the measures audited.

3.3 Road Safety Audit Team Sign-Off

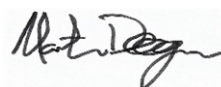
Martin Deegan

Audit Team Leader

Road Safety Engineering Team

traffico

Signed:



Date:

14th May 2025

Gabriel Dooley

Audit Team Member

Road Safety Engineering Team

traffico

Signed:



Date:

14th May 2025

4. Designers Response

4.1 How the Designer Should Respond to the Road Safety Audit

The Designer should prepare an Audit Response for each of the recommendations using the Road Safety Audit Feedback Form attached in Appendix A.

When completed, this form should be signed by the Designer and returned to the Audit Team for consideration. See flow-chart following for further description.



Figure 4.1 – Road Safety Audit Sign-Off and Completion Process

4.2 Returning the Completed Feedback Form

The Designer should return the completed Road Safety Audit Feedback Form attached in Appendix A of this report to the following email address:

- Email address: martin@traffico.ie
- Telephone: 01 699 1551

The Audit Team will consider the Designer's response and reply indicating acceptance or otherwise of the Designers response to each recommendation.

Triggering the Need for an Exception Report

Where the Designer and the Audit Team cannot agree on an appropriate means of addressing an underlying safety issue identified as part of the audit process, an Exception Report must be prepared by the Designer on each disputed item listed in the audit report.

Appendix A

A.1 Road Safety Audit Feedback Form

Road Safety Audit Feedback Form

Scheme: Strade River Bridge

Audit Stage: Stage 1 Road Safety Audit

Audit Date: 14th May 2025

| Problem Reference (Section 2) | Designer Response Section | | | Audit Team Response Section |
|----------------------------------|----------------------------------|--|---|---|
| | Problem Accepted (yes / no) | Recommended Measure Accepted (yes / no) | Alternative Measures or Comments | Alternative Measures Accepted (yes / no) |
| 2.1 | Yes | Yes | Sightlines have been assessed with the ends of the safety barriers on the northwest departure and northeast approach to be flared to avoid impact on sightlines from the field access and the junction to the museum. | Noted. |
| 2.2 | No | No | The Davitt Museum sign is confirmed to be outside the working width of the proposed barrier. | Yes. |


**The Designer should complete the Designer Response Section above, then fill out the designer details below and return the completed form to the Road Safety Audit Team for consideration and signing.*

Designer's Name: Mark Gilsonan
(AtkinsRéalis)

Designer's Signature: 

Date: 16/05/2025

Employer's Name: JOHN KEARNS
for Mayo Co. Co.

Employer's Signature: 

Date: 14/5/25

Audit Team's Name: Martin Deegan

Audit Team's Signature: 

Date: 20 / 05 / 2025



traffico

w: www.traffico.ie
e: hello@traffico.ie

AtkinsRéalis



WS Atkins Ireland Limited

Unit 2B
2200 Cork Airport Business Park
Cork
T12 R279

Tel: +353 21 429 0300

© WS Atkins Ireland Limited except where stated
otherwise