

Nant Y Cafn Industrial  
Units,  
Seven Sisters



## Road Safety Audit - Stage 1/2

Neath Port Talbot County Borough Council

JUNE  
2025

| Table ID Project Details |                                                    |
|--------------------------|----------------------------------------------------|
| Report title             | Nant Y Cafn Industrial Units, Seven Sisters, Neath |
| Date                     | 06 June 2025                                       |
| Document ref.            | 25033d1                                            |
| Prepared by              | ABR                                                |
| On behalf of             | Neath Port Talbot County Borough Council           |

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|               |              |
|---------------|--------------|
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# Table of contents

|                   |                                                        |           |
|-------------------|--------------------------------------------------------|-----------|
| <b>1</b>          | <b>Introduction .....</b>                              | <b>1</b>  |
| 1.1               | Background .....                                       | 1         |
| <b>2</b>          | <b>Items raised at this Stage 1/2 Audit.....</b>       | <b>1</b>  |
| 2.1               | Local alignment .....                                  | 1         |
| 2.2               | General.....                                           | 2         |
| 2.3               | Junctions .....                                        | 4         |
| 2.4               | Walking, cycling and horse-riding .....                | 5         |
| 2.5               | Traffic signs, carriageway markings and lighting ..... | 7         |
| <b>3</b>          | <b>Audit Team statement .....</b>                      | <b>8</b>  |
| <b>Appendix 1</b> | <b>Safety Audit brief .....</b>                        | <b>9</b>  |
| <b>Appendix 2</b> | <b>Drawings supplied with Audit brief.....</b>         | <b>13</b> |
| <b>Appendix 3</b> | <b>Key plan .....</b>                                  | <b>14</b> |

# 1 Introduction

## 1.1 Background

- 1.1.1 This report has been prepared by Lime Transport and sets out the results of a Stage 1/2 Road Safety Audit, requested by Neath Port Talbot Coun Borough Council, of the highway works, including the provision of a raised zebra crossing across the access to a small scale industrial development at Nant Y Cafn, Seven Sisters, Neath.
- 1.1.2 The Audit Team comprised:
- A Roberts BEng (Hons) MCIHT MSoRSA FFB
  - M Davies BSc (Hons) MSoRSA
- 1.1.3 A Stage 1 Road Safety Audit Brief (**Appendix 1**) was issued to and accepted by the Audit Team. No members of the Audit Team were involved in either the preliminary or detailed design of the scheme, and there were no additional members who attended the site visit or undertook a concurrent audit.
- 1.1.4 The audit took place on site, on Sunday 1<sup>st</sup> June 2025, when the road surface was dry and the weather was dry, but overcast, and also by examination of the plans and drawings (as listed in **Appendix 2**).
- 1.1.5 The terms of reference of the audit are as described in GG119, and this Safety Audit examines the safety implications of the proposed scheme. It presents observations and recommendations only where there are identified deficiencies in the safety of the scheme. This Audit report does not verify compliance of the scheme with any other standard or criteria. This Safety Audit is not intended to identify pre-existing hazards which remain unchanged due to the proposals; hence they will not be raised in Section 2 of this report as they fall outside the remit of Road Safety Audit in general.
- 1.1.6 The problems identified in this Audit Report include the scope identified on the Key Plan attached in **Appendix 3**. It does not identify problems within the wider highway network. An absence of comments relating to specific road users/modes in section 2 of this report does not imply that they have not been considered; instead, the Audit Team feels they are not adversely affected by the proposed changes.
- 1.1.7 There were no reported departures from standards and no additional supplied to the Audit Team.

## 2 Items raised at this Stage 1/2 Audit

### 2.1 Local alignment

#### Landscaping

**2.1.1 Summary** Visibility for pedestrians waiting to cross the road (looking towards the main road) crosses the landscaping/planting areas at the back-edge of the footway on both sides of the carriageway and could be obstructed as the planting matures.

**Location** Tactile paving at either end of the crossing across the site access

It is noted from the plans provided that the visibility for pedestrians waiting to cross the road (looking towards the main road) crosses the landscaping areas at the back-edge of the footway on both sides of the carriageway. As the planting/landscaping matures, this could obstruct visibility for pedestrians and could lead to pedestrians stepping into the carriageway injudiciously, when it is unsafe to do so, increasing the potential for a pedestrian to be hit by a passing vehicle.

#### Recommendation

It is recommended that low level planting is specified within the visibility splays, and that regular maintenance is undertaken to ensure the landscaping/planting does not grow beyond 650mm in height.



## 2.2 General

### *Drainage*

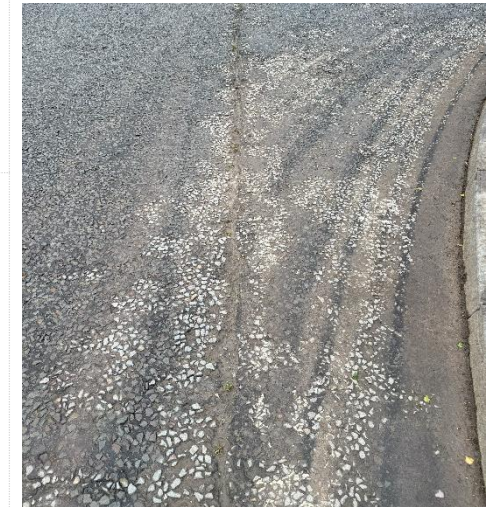
**2.2.1 Summary** Joint between the carriageway surfacing has failed, allowing further water penetration and deterioration, leading to ponding within the carriageway at a point where vehicles are stopping at the give-way markings.

**Location** Give-way markings at the site access.

It was noted from the site visit that the joint between the carriageway surfacing has failed. This will allow further water to penetrate the sub-base leading to further deterioration of the carriageway surfacing and water ponding within the carriageway. During freezing weather, this surface water could turn to ice and could lead to drivers losing control of their vehicle on the approach to the give-way markings. This could result in vehicles over-shooting the give-way markings, into the path of an oncoming vehicle, increasing the potential for side impact type collisions.

### **Recommendation**

It is recommended that the surface of the carriageway is repaired/re-laid and suitable jointing compound is installed to prevent surface water from penetrating the sub-base.



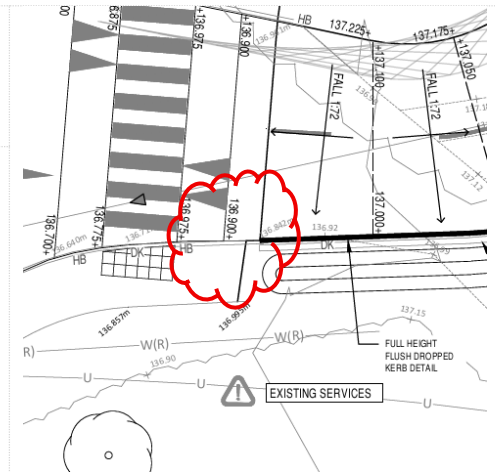
**2.2.2 Summary** Surface water could collect at the back edge of the raised table, leading to ponding, which during freezing weather could turn to ice, increasing the potential for drivers to lose control of their vehicles.

**Location** Along the southern edge of the access road, on the eastern side of the raised table.

It is noted from the plans provided that it is proposed to introduce a raised table crossing across the access road, and to introduce flush kerbs along the southern and eastern side of the access road to allow surface water to run-off the carriageway not the proposed swales. However, there is a small section of full height kerb, between the edge of the raised table and the edge of the flush kerb that will capture/hold surface water. During freezing weather, this surface water could turn to ice and result in drivers losing control of their vehicle on the approach to the crossing, increasing the potential for a vehicle to strike a pedestrian crossing the access.

#### Recommendation

It is recommended that the flush kerb/swale is extended slightly to prevent surface water ponding at the edge of the carriageway.



**2.2.3 Summary** Surface water ponding on the footway on the approach to the site, which during freezing weather could turn to ice, creating a slip hazard for pedestrians.

**Location** Footway on the eastern side of the main road (south of the access to the site).

It was noted from the site visit that there is evidence of uneven settlement and ponding on the footway leading to the site. During freezing weather, this surface water could turn to ice thereby creating a slip hazard for pedestrians travelling along the footway.

#### Recommendation

It is recommended that the surface of the footway is replaced/re-laid.



## 2.3 Junctions

### Visibility

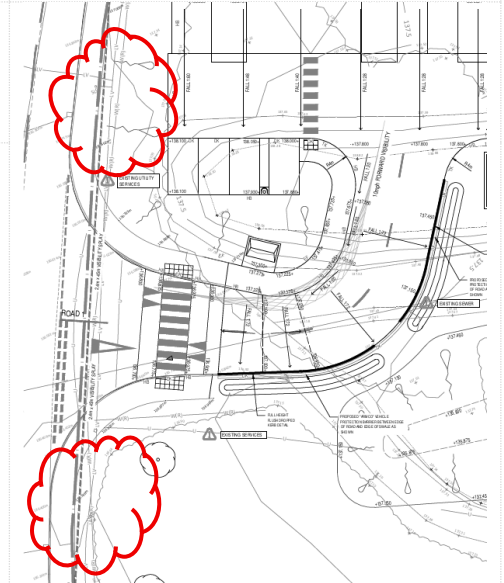
**2.3.1 Summary** Visibility splay at the access crosses the back edge of the footway/landscaping on both sides of the access. As the landscaping/planting matures, this could obstruct visibility for vehicles exiting the site.

**Location** Site access on to the main road.

It is noted from the plans provided that the visibility splays at the access crosses the back edge of the footway/landscaping on both sides of the access. As the landscaping/planting matures, this could obstruct visibility for vehicles exiting the site, and could result in vehicles entering the carriageway injudiciously, when it is unsafe to do so, increasing the potential for side-swipe type collisions.

### Recommendation

It is recommended that low level planting is specified within the visibility splays, and that regular maintenance is undertaken to ensure the landscaping/planting does not grow beyond 650mm in height.





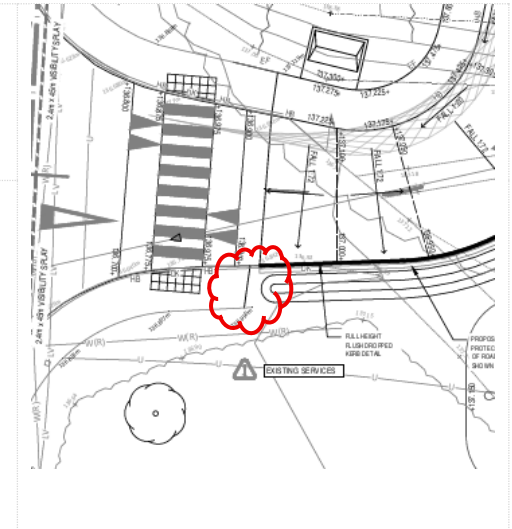
**2.4.2 Summary** The proposed footway on the southern side of the access terminates immediately east of the proposed crossing, and there is nothing to indicate to blind or partially sighted pedestrians that the footway terminates.

**Location** Footway along the southern edge of the access road.

It is noted from the plans provided that the footway along the southern edge of the access road terminates immediately east. However, there is nothing to indicate to blind or partially sighted pedestrians that the footway terminates. This could lead to confusion for blind/partially sighted pedestrians and could result in pedestrians stepping into the carriageway injudiciously, away from the crossing, when it is unsafe to do so, into the path of passing vehicles, or could result in pedestrians stepping in to the swale.

#### Recommendation

It is recommended that the appropriate tactile paving is provided before the end of the footway together with planting to prevent pedestrians from entering the swale.



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>2.5</b> <b>Traffic signs, carriageway markings and lighting</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |
| <b>Lighting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |
| <p>2.5.1      <b>Summary</b> Existing lighting column is listing to the north and could eventually fall onto the footway or carriageway.</p> <p><b>Location</b> Footway on the eastern side of the main road, north of the site access</p>                                                                                                                                                                                                                      |  |
| <p>It was noted from the site visit that the existing lighting column is listing, indicating failure of the footings/fixings. This could lead to total failure of the footings/fixings, and result in the lighting column falling on to the footway or carriageway, injuring pedestrians, and increasing the potential for vehicle strike.</p> <p><b>Recommendation</b></p> <p>It is recommended that the existing lighting column is removed and replaced.</p> |                                                                                     |

### 3 Audit Team statement

We certify that this road safety audit has been carried out in accordance with GG 119.

#### Audit Team leader

Name: A Roberts BEng (HONS) MCIHT FFB  
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Signed: 

Date: 05<sup>th</sup> June 2025

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#### Audit Team member

Name: M Davies BSc (Hons) MSoRSA  
Position: Transport Planner  
Organisation: Lime Transport

Signed: 

Date: 05<sup>th</sup> June 2025

## **Appendix 1      Safety Audit brief**

|                                                                                                                                 |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|--|---|--|--|
| Table 3.1 Project Summary                                                                                                       |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Date:                                                                                                                           | 05th June 2025                                                                                                                                                                   |   |   |   |   |  |   |  |  |
| Document reference:                                                                                                             | 25033d2                                                                                                                                                                          |   |   |   |   |  |   |  |  |
| Prepared by:                                                                                                                    | Andy Roberts                                                                                                                                                                     |   |   |   |   |  |   |  |  |
| On behalf of:                                                                                                                   | Lime Transport Limited                                                                                                                                                           |   |   |   |   |  |   |  |  |
| Authorisation sheet                                                                                                             |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Project:                                                                                                                        | Nant Y Cafn Industrial Units, Seven Sisters                                                                                                                                      |   |   |   |   |  |   |  |  |
| Report title:                                                                                                                   | Road Safety Audit Stage 1/2                                                                                                                                                      |   |   |   |   |  |   |  |  |
| Prepared by:                                                                                                                    |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Name:                                                                                                                           | David Hopkins                                                                                                                                                                    |   |   |   |   |  |   |  |  |
| Signed:                                                                                                                         |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Organisation:                                                                                                                   | Bingham Hall Partnership Ltd                                                                                                                                                     |   |   |   |   |  |   |  |  |
| Date:                                                                                                                           | 05th June 2025                                                                                                                                                                   |   |   |   |   |  |   |  |  |
| I APPROVE THE RSA BRIEF AND INSTRUCT THE RSA TO TAKE PLACE ON BEHALF OF THE OVERSEEING ORGANISATION:                            |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Name:                                                                                                                           |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Signed:                                                                                                                         |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Organisation:                                                                                                                   | Neath Port Talbot County Borough Council                                                                                                                                         |   |   |   |   |  |   |  |  |
| Date:                                                                                                                           |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Table 3.2 General Details                                                                                                       |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| General Details                                                                                                                 |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Highway scheme name and road name:                                                                                              | Nant Y Cafn Industrial Units, Seven Sisters                                                                                                                                      |   |   |   |   |  |   |  |  |
| Type of scheme:                                                                                                                 | Stage 1/2 Road Safety Audit of the highway works proposed as part of the industrial development (including a raised-table crossing across the access road) and associated works. |   |   |   |   |  |   |  |  |
| RSA stage (tick as appropriate)                                                                                                 | 1                                                                                                                                                                                | ✓ | 2 | ✓ | 3 |  | 4 |  |  |
|                                                                                                                                 | Stage 1/2                                                                                                                                                                        |   |   |   |   |  |   |  |  |
| Overseeing organisation details                                                                                                 | Design organisation details                                                                                                                                                      |   |   |   |   |  |   |  |  |
| Neath Port Talbot County Borough Council<br>The Quays, Brunel Way<br>Britton Ferry<br>Neath<br>SA11 2GG<br><br>T.: 01639 686868 | Bingham Hall Partnership Ltd<br>5 Ty Nant Court<br>Morganstown<br>Cardiff<br>CF15 8LW<br><br>T.: 029 2048 8588                                                                   |   |   |   |   |  |   |  |  |
| Police contact details                                                                                                          | Maintaining agent contact details                                                                                                                                                |   |   |   |   |  |   |  |  |
| NA                                                                                                                              | NA                                                                                                                                                                               |   |   |   |   |  |   |  |  |
| RSA team membership                                                                                                             |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Andy Roberts Beng (hons) MCIHT MSoRSA FFB - Lime Transport Limited<br>Megan Davies BSc (hons) MSoRSA - Lime Transport Limited   |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| Terms of Reference                                                                                                              |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |
| The terms of reference of this Audit are DMRB Volume 5, Section 2: GG 119                                                       |                                                                                                                                                                                  |   |   |   |   |  |   |  |  |

|                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table 3.3 Scheme details                                                                                                                                                         |
| <b>Scheme description/objective</b>                                                                                                                                              |
| <b>General</b>                                                                                                                                                                   |
| Stage 1/2 Road Safety Audit of the highway works proposed as part of the undustrial development (including a raised-table crossing across the access road) and associated works. |
| <b>Design standards applied to the scheme design</b>                                                                                                                             |
| Design Manual for Roads and Bridges                                                                                                                                              |
| <b>Design speeds</b>                                                                                                                                                             |
|                                                                                                                                                                                  |
| <b>Speed limits</b>                                                                                                                                                              |
| 20/30mph                                                                                                                                                                         |
| <b>Existing traffic flows /queues</b>                                                                                                                                            |
| None provided                                                                                                                                                                    |
| <b>Forecast traffic flows</b>                                                                                                                                                    |
| None provided                                                                                                                                                                    |
| <b>Pedestrian, cyclist and equestrian desire lines</b>                                                                                                                           |
| None provided                                                                                                                                                                    |
| <b>Environmental constraints</b>                                                                                                                                                 |
| n/a                                                                                                                                                                              |
| Table 3.4 Locality                                                                                                                                                               |
| <b>Description of locality</b>                                                                                                                                                   |
| None provided                                                                                                                                                                    |
| <b>General description</b>                                                                                                                                                       |
| Stage 1/2 Road Safety Audit of the highway works proposed as part of the undustrial development (including a raised-table crossing across the access road) and associated works. |
| <b>Relevant factors which may affect road safety</b>                                                                                                                             |
| None supplied                                                                                                                                                                    |

|                                                                                                             |  |                                                                  |  |
|-------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|
| Table 3.5 Analysis                                                                                          |  |                                                                  |  |
| Collision data analysis                                                                                     |  |                                                                  |  |
| None provided                                                                                               |  |                                                                  |  |
| Departures from standards                                                                                   |  |                                                                  |  |
| None reported                                                                                               |  |                                                                  |  |
| Previous road safety audit stage reports, road safety audit response reports and evidence of agreed actions |  |                                                                  |  |
| n/a                                                                                                         |  |                                                                  |  |
| Strategic decisions                                                                                         |  |                                                                  |  |
| None identified                                                                                             |  |                                                                  |  |
| List of included documents and drawings                                                                     |  |                                                                  |  |
| Documents - (see Appendix A)                                                                                |  |                                                                  |  |
| Drawings - (see Appendix B)                                                                                 |  |                                                                  |  |
| ISU-BHP-03-XX-DR-C-6300_P01                                                                                 |  | Nant Y Cafn Industrial Units, Nant Y Cafn Site location Plan     |  |
| ISU-BHP-03-XX-DR-C-6301_C01                                                                                 |  | Nant Y Cafn Industrial Units, Proposed external layout (Sheet 1) |  |

|                                                                                |     |                                                               |     |
|--------------------------------------------------------------------------------|-----|---------------------------------------------------------------|-----|
| Table 3.6 Checklist                                                            |     |                                                               |     |
| Tick all that are included and provide reasons for those that are not included |     |                                                               |     |
| Site location plan                                                             | ✓   | Scale layout plans                                            | n/a |
| Departures and relaxations from standards                                      | n/a | Construction/typical details                                  | n/a |
| Previous RSA reports                                                           | n/a | Previous RSA response reports and evidence of agreed actions  | n/a |
| Collision data and collision data analysis                                     | n/a | Road traffic collision plot                                   | n/a |
| Traffic signal staging                                                         | n/a | Traffic counts                                                | n/a |
| Speed surveys                                                                  | ✗   | Pedestrian, cyclist and horse riding desire lines and volumes | ✗   |
| Walking, Cycling and Horse Riding assessment and reviews                       | ✗   | Items outside the scope of the RSA/Strategic decisions        | n/a |
| Other factors that may affect impact on road safety                            | ✗   | Design speeds/speed limits                                    | ✓   |
| Design standards used                                                          | ✓   | Adjacent land uses                                            | ✗   |

## Appendix 2 Drawings supplied with Audit brief

| Ref no.                      | Title                                                            | Prepared by              |
|------------------------------|------------------------------------------------------------------|--------------------------|
| ISU-BHP-03-XX-DR-C-60300_P01 | Nant Y cafn Industrial Units, Nant Y Cafn Site Location Plan     | Bingham Hall Partnership |
| ISU-BHP-03-XX-DR-C-60301_C01 | Nant Y cafn Industrial Units, Proposed External Layout (Sheet 1) | Bingham Hall Partnership |

