

Technical Note

Project:	Ysgol Gymraeg Bro Morgannwg, Barry	Job No:	60571314
Subject:	Addendum to Transport Assessment		
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1. Introduction

This Technical Note (TN) has been prepared by AECOM on behalf of the Vale of Glamorgan (VoG) in respect of a planning application for the refurbishment of Ysgol Gymraeg Bro Morgannwg (YGBM) in Barry, South Wales.

A Transport Assessment (TA) prepared by AECOM on the 31st January 2019 has been submitted as part of the planning application. An analysis of road safety was included at Section 2.5 of the TA, based on available Personal Injury Collision (PIC) data. At that time, AECOM was awaiting data from the official request made to Welsh Government (WG) and was only able to provide details for the location and severity of PICs, based on the 'Crashmap' online resource. Further details have since been provided and the purpose of this TN is to provide an update of the analysis for the purpose of completeness.

2. Collision Analysis

A review of PIC data has been undertaken to determine whether there are any locations on the local highway network which could be considered to exhibit a poor collision record. The data was obtained from the WG for the period from 1st January 2013 to 30th June 2018 (a 5½ year period, the most recent for which data was available).

A plan showing the location and severity of the PICs recorded is provided on **Figure 1**. The data supplied was in a raw format, containing full details of the recorded PICs. For data protection reasons, this data cannot be reproduced in this report.

A total of 28 PICs were recorded in study area over the study period, of which 24 were categorised as 'slight'. The remaining four PICs were recorded as 'serious'. No 'fatal' PICs were recorded in the study area. For ease of analysis the PICs have been separated into those occurring at junctions and on highway links in the study area. The following account of the events which led to a PIC was taken from the records provided.

PICs Recorded at Junctions

Two 'slight' PICs were recorded at the A4226/exit from WHS/Stirling Road signal-controlled junction. One involved a car turning right from Stirling Road contravening a red signal and colliding with a car travelling northeast-bound on the A4226. The other PIC involved an emergency vehicle on response travelling northeast-bound on the A4226 contravening a red signal and colliding with a car turning right into Stirling Road.

One 'slight' PIC was recorded at the A4226/Liscum Way priority junction. This involved a motorcycle turning right into Liscum Way losing control, causing the rider to dismount.

Four PICs were recorded at the A4050/Winston Road/Highfield Road staggered crossroads junction, of which one was 'serious' and three were 'slight'. Three of the PICs involved cyclist casualties. The

'serious' PIC involved a car turning right into Winston Road colliding with a cyclist travelling southbound on the A4050. Of the remaining PICs involving injury to cyclists, one involved a collision between a car and cyclist travelling northbound on the A4050, and one involved a car overtaking a cyclist travelling southbound on the A4050 and then immediately making a left turn into Winston Road, resulting in a collision. The remaining PIC at this location involved a stolen car turning right from Winston Road colliding with a car travelling southbound on the A4050.

Two 'slight' PICs were recorded at the A4050/Whitewell Road priority junction. These both involved a car exiting from Whitewell Road and colliding with a car/cyclist travelling southbound on the A4050.

One 'slight' PIC was recorded at the A4050/access road serving Barry Hospital and YGBM signal-controlled junction. This involved a rear-end shunt between two cars travelling southbound on the A4050. This occurred as the lead vehicle braked suddenly due to a pedestrian entering the carriageway.

Two 'slight' PICs were recorded at the A4050/Barry Road mini-roundabout junction. These involved a car travelling southbound on the A4050 failing to give-way to a car turning right into Barry Road, and a collision between two cars entering the junction from Barry Road.

PICs Recorded on Highway Links

One 'slight' PIC was recorded on the A4226, between the WHS entrance and Liscum Way. This involved a rear-end shunt between a car and agricultural vehicle travelling northeast-bound.

One 'slight' PIC occurred on Liscum Way. This involved a pedestrian entering the carriageway from between parked cars and was struck by car travelling southeast-bound.

Two 'slight' PICs were recorded on the A4226, between Highlight Lane and the A4050. Both involved a car travelling southwest-bound exiting the upstream roundabout being dazzled by the sun, colliding with bollards/traffic islands and overturning.

Two PICs were recorded on the A4226 northeast of the A4050, of which one was 'serious' and one was 'slight'. The 'serious' PIC involved a car travelling southwest-bound exiting the carriageway and colliding with a bus stop. The 'serious' PIC involved a collision between cars travelling northeast-bound and southwest-bound. The reports state that a driver in each PIC suffered a medical episode.

Three 'slight' PICs were recorded on the A4050, between Whitewell Road and the A4050/access road serving Barry Hospital and YGBM signal-controlled junction. These involved a rear-end shunt between two cars travelling southbound, a car exiting a driveway colliding with a car travelling southbound, and a car travelling northbound on the A4050 colliding with a parked car.

Two 'slight' PICs were recorded on the A4050, between the A4050/access road serving Barry Hospital and YGBM signal-controlled junction and Greenbanks Drive. One involved a pedestrian entering the carriageway being struck by a car travelling southbound. The remaining PIC involved a collision between two motorcycles travelling southbound; a motorcycle was undertaking another motorcycle and the offside motorcycle pulled in for a police vehicle to pass, resulting in a collision.

Two PICs were recorded on the A4050, between its junctions with North Walk and Barry Road, of which one was 'serious' and one was 'slight'. The 'serious' PIC involved a pedestrian using a zebra crossing being struck by a car. The 'slight' PIC involved a rear-end shunt between three cars travelling northbound on the A4050.

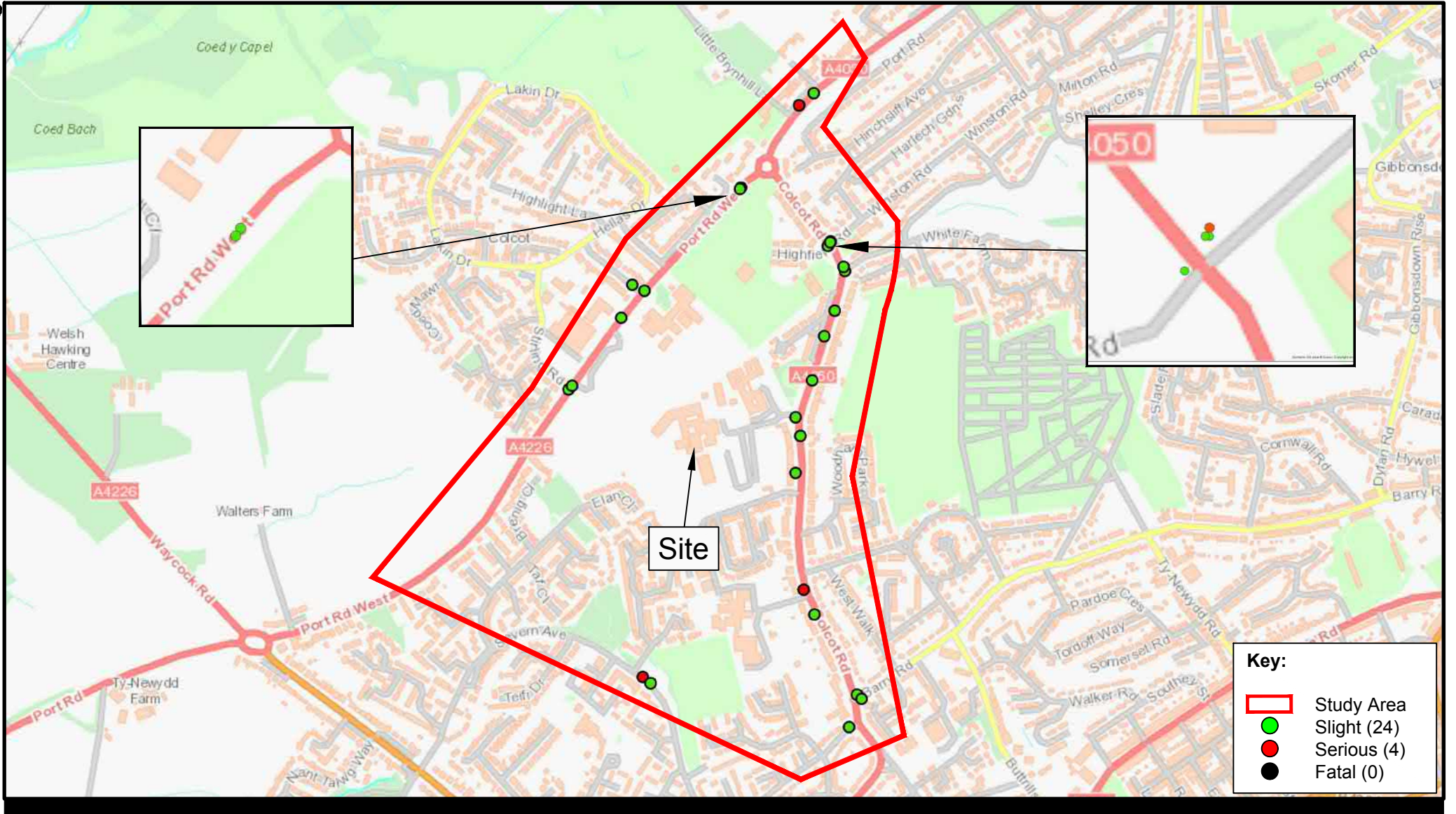
One 'slight' PIC was recorded on Claude Road, west of its junction with the A4050. This involved a rear-end shunt between two cars travelling eastbound.

Two PICs were recorded on Severn Avenue, south of its junction with Bramble Avenue, of which one was 'serious' and one was 'slight'. The 'serious' PIC involved a car travelling southbound on Severn Avenue; this overtook a parked car and the driver was dazzled by the sun, leading to a collision with the pedestrian refuge. The 'slight' PIC involved a collision between a car travelling southbound and a stationary bus.

3. Summary and Conclusions

It is on the basis of this updated analysis that it is affirmed that it can be concluded that there is no existing highway safety issue in the study area that would be exacerbated by the proposed development. The type, causation, dates and location of PICs does not suggest a particular pattern or correlation that would draw attention to any existing safety issues within the local study area.

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Figure 1: Personal Injury Collision Data Plot



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