Reference number: SYS_ENVISION_GB01T21B34_001

## TRANSPORT STATEMENT



SYST「A

## ENVISION AESC UK BATTERY PLANT

## TRANSPORT STATEMENT

## IDENTIFICATION TABLE

| Client/Project owner | Envision AESC |
| :--- | :--- |
| Project | Envision AESC UK Battery Plant |
| Study | Transport Statement |
| Date | 15/07/2021 |
| Reference number | SYS_ENVISION_GB01T21B34_001 |



## TABLE OF CONTENTS

| 1. | INTRODUCTION | 2 |
| :---: | :---: | :---: |
| 1.1 | Overview | 2 |
| 1.2 | Background | 2 |
| 1.3 | Purpose of this Report | 3 |
| 1.4 | SCOPING DISCUSSIONS | 3 |
| 1.5 | Report Structure | 3 |
| 2. | POLICY CONTEXT | 4 |
| 2.1 | Overview | 4 |
| 2.2 | International Advanced Manufacturing Park Area Action Plan (2017-2032) | 4 |
| 2.3 | Sunderland's Development Management SPD | 5 |
| 3. | BASELINE CONDITIONS | 6 |
| 3.1 | Introduction | 6 |
| 3.2 | Surrounding Highways Network | 6 |
| 3.3 | Traffic Operations | 8 |
| 3.4 | Road Network Improvements | 9 |
| 3.5 | Sustainable Accessibility | 10 |
| 3.6 | Road Safety Review | 12 |
| 4. | DEVELOPMENT PROPOSALS | 13 |
| 4.1 | Introduction | 13 |
| 4.2 | The Proposed Development | 13 |
| 4.3 | Construction Traffic Management Plan | 16 |
| 5. | TRIP GENERATION \& ASSESSMENT | 17 |
| 5.1 | Introduction | 17 |
| 5.2 | Staff Levels Comparison | 17 |
| 5.3 | Multi-Modal Trip Generation | 18 |
| 5.4 | COVID-19 Assumptions | 19 |
| 5.1 | Site Access Assessment | 19 |
| 5.2 | COMPLIANCE WITH THE HOMP | 20 |
| 6. | SUMMARY AND CONCLUSIONS | 21 |
| 6.1 | SUMMARY | 21 |
| 6.2 | Conclusion | 21 |

## LIST OF FIGURES AND TABLES

Figure 1. Surrounding Highway Network
Table 1. Site Access Capacity Assessment 17
Table 2. Multi Modal Trip Generation 18
Table 3. Site Access Capacity Assessment 19

## 1. INTRODUCTION

### 1.1 Overview

1.1.1 Envision AESC are bringing forward a detailed planning application for the proposed development of land within IAMP ONE Phase 2, in Sunderland. The proposal is for the erection of an industrial unit to be used for the manufacture of batteries for vehicles.
1.1.2 SYSTRA has been commissioned by Envision AESC to provide highways and transport advice in relation to the site, including the preparation of this Transport Statement (TS) to support the planning application. A Framework Travel Plan has also been prepared under a separate cover.

### 1.2 Background

## What is IAMP?

1.2.1 The International Advanced Manufacturing Park (IAMP) is a project of national significance, located to the immediate north of the Nissan Motor Manufacturing UK (NMUK) plant in Sunderland. The project includes 150 hectares of development land for new and expanding automotive and advanced manufacturing businesses.

## IAMP ONE

1.2.2 IAMP ONE was the first phase of IAMP, located within Sunderland City Council's (SCC) administrative boundary, gaining planning approval in May 2018. The new internal spine road, known as International Drive, has now been completed and three buildings have been constructed and are occupied.

## IAMP ONE Phase 2

1.2.3 A planning application for the second phase of development at IAMP ONE, known as IAMP ONE Phase 2, was submitted in March 2020 and received planning approval in June 2020. Phase 2 included part of IAMP ONE that already has planning permission, as well as a further triangular area of land to the south west. The purpose of this application was to provide greater flexibility in the size and location of units coming forward. The IAMP ONE Phase 2 application did not increase the amount of floorspace above that already approved through the IAMP ONE permission.

## Envision AESC Battery Plant

1.2.4 The proposed Envision AESC_battery plant will be located entirely within the IAMP ONE Phase 2 application boundary, with access to the site taken via International Drive.
1.2.5 Whilst the proposed development will be located within the consented IAMP ONE Phase 2 area and will not generate traffic in excess of those previously forecast for this area, for non-traffic related reasons, a new planning application is required. As such, the application is supported by this Transport Statement.


### 1.3 Purpose of this Report

1.3.1 This report is the Transport Statement for the proposed Envision AESC UK Battery Plant. The intention of this report is to provide the necessary information to assist Sunderland City Council, the Local Planning and Highway Authority to determine the planning application.
1.3.2 As will be described later in this report, the proposed development will generate less traffic than was previously considered within the IAMP ONE (and IAMP ONE Phase 2) application and as such, further assessment is unwarranted. Furthermore, the proposed development will be subject to the same mitigation and operational restrictions that were required for IAMP ONE in relation to traffic. It is considered superfluous to reproduce the detailed assessments and commentary provided in the Transport Assessment that supported the IAMP ONE planning application.
1.3.3 This Transport Statement does however provide a concise overview of the updated baseline conditions since the previous assessments and provides detail of the proposed development, its staffing levels and trip making potential - it does not unnecessarily reproduce policy context information and junction capacity assessments etc., which can be found in the Transport Assessment produced for IAMP ONE and appended to this report.

### 1.4 Scoping Discussions

1.4.1 Prior to the submission of this Transport Statement, initial informal discussions were held with highway officers at SCC and Highways England on 17 June 2021. The approach to this Transport Statement was agreed - that further assessment of traffic impact was unnecessary, given that the proposed development aligns with the previous assumptions for IAMP ONE, will comply with the requirements of the Highways Operational Management Plan (HOMP) and that no additional traffic will be generated over and above those already considered for IAMP ONE.

### 1.5 Report Structure

1.5.1 Following this introductory chapter, the remainder of this Transport Statement report is structured as follows:

O Chapter 2: Policy Context - reviews the previous transport policies and summarises new policy and guidance documents relevant to the proposed development.
O Chapter 3: Baseline Conditions - describes the baseline travel and transport conditions at the site and on the surrounding highway network.
O Chapter 4: Development Proposals - sets out the development proposals
O Chapter 6: Trip Generation \& Assessment - details the methodology used to ascertain total trip generation and its resultant net impact.
O Chapter 7: Summary \& Conclusions - provides a concise summary and conclusion.

## 2. POLICY CONTEXT

### 2.1 Overview

2.1.1 The following national, regional and local planning documents were reviewed as part of the Transport Assessment for IAMP ONE and remain appropriate for this application:

O The Transport White Paper (2011);
O The National Planning Policy Framework (NPPF);
O Planning Practice Guidance (PPG) (2016);
O North East Combined Authority Transport Manifesto (2016);
O LTP3: The Third Local Transport Plan for Tyne and Wear (2011-2021);
O The North East Regional Spatial Strategy (RSS);
O Sunderland City Council Draft Core Strategy and Development Plan (2015-2033); and
O International Advanced Manufacturing Park Area Action Plan (2017-2032).
2.1.2 Whilst all the above document are relevant, the IAMP Area Action Plan is the most directly applicable and as such, the key policies within this document are discussed below. In addition, since the production of the Transport Assessment for IAMP ONE and Transport Statement for IAMP ONE Phase 2, Sunderland City Council has adopted their Development Management (DM) Supplementary Planning Document (SPD) - this is also considered below.

### 2.2 International Advanced Manufacturing Park Area Action Plan (2017-2032)

2.2.1 The IAMP Area Action Plan (AAP) is of particular relevance for the proposed Envision AESC planning application. The AAP was prepared jointly by Sunderland City Council and South Tyneside Council and was adopted on 30 November 2017.
2.2.2 Within the IAMP AAP, the following policies are applicable to Infrastructure, Transport and Access:
o Policy S1(4)(iv): Spatial Strategy for Comprehensive Development - Requires Masterplans, Design Codes and Phasing Plans to be submitted, demonstrating how development will contribute fully, in a proportionate and timely manner, towards providing the infrastructure.
o Policy S4(A)(vii): The Hub and Ancillary Uses - A multi-modal transport interchange accommodating public transport, cycling and pedestrian access.
o Policy D1(A)(i)(ii): Public Realm - A public realm strategy is required to mark key gateways into the site and a comprehensive, wayfinding strategy for cyclists and pedestrians.
o Policy T1: Highway Infrastructure - A public realm strategy is required to accompany the development proposals along with a supported Transport Assessment to assess highway improvements.
o Policy T2: Walking, Cycling and Horse Riding - The development must promote walking, cycling and horse riding by design and connecting to the surrounding network.
o Policy T3: Public Transport - The development must promote sustainable transport by enhancing the existing provisions and consider new improvements as appropriate; and
o Policy T4: Parking - The development must ensure that appropriate provision for car parking is provided in accordance with the Councils' standards.
o Policy Del2: Securing Mitigation - Outlines that mitigation required will be secured through articles and requirements within a DCO, planning conditions or planning obligations. Developer contributions will be sought to mitigate the impact of IAMP, where necessary

### 2.3 Sunderland's Development Management SPD

2.3.1 This Development Management (DM) Supplementary Planning Document (SPD) sets out additional planning guidance which applies to a range of planning applications. Its purpose is to assist both applicants and decision makers when preparing and determining planning applications.
2.3.2 Following the adoption of the Core Strategy and Development Plan (CSDP) in January 2020, most of the Council's existing SPDs were revoked, as they expanded upon the policy guidance contained within Unitary Development Plan (UDP) policies which had been deleted.
2.3.3 In February 2020 the Council's Cabinet formally endorsed the Interim Development Management Guidance Note for use as a material planning consideration until a new Development Management SPD could be prepared to replace it. The DM SPD replaces the Interim Development Management Guidance Note
2.3.4 The most applicable section of the DM SPD in relation to the proposed development is Chapter 8, which relates to transport and parking standards. The chapter sets out new parking standards, including the requirements to provide a level of vehicle parking and cycle storage. It also outlines that proposals should provide an appropriate level of electric vehicle parking and charging infrastructure for commercial and non-residential development to suit site specific requirements.

## 3. BASELINE CONDITIONS

### 3.1 Introduction

3.1.1 This section provides a general overview of the site and an update of the existing transport conditions, including a description of the local highway and strategic road network. It also gives a commentary of traffic operations and road safety.
3.1.2 The extent of the study area for the IAMP ONE Transport Assessment and IAMP ONE Phase 2 Transport Statement was discussed and agreed with SCC and Highways England - and has been retained for this application.

### 3.2 Surrounding Highways Network

3.2.1 Figure 1 below shows the highway network and the junctions of interest surrounding IAMP ONE and the proposed battery plant.
3.2.2 On the Strategic Road Network (SRN), the study area focuses on the A19 to the east of the site and includes the following junctions:

- Junction 1 - A19 / A184 (Testos Roundabout);
- Junction 2 - A19 / Downhill Lane;
- Junction 3 - A19 / A1231 / Wessington Way
3.2.3 On the Local Road Network (LRN), the study area extends to the following junctions:
- Junction 4 - A1290 / Cherry Blossom Way three-arm signalised Junction.
- Junction 5 - A1290 / Sulgrave Road / Glover Road three-arm priority roundabout.
- Junction 6 - Glover Road / Spire Road four-arm priority roundabout.
- Junction 7 - Glover Road / Silverstone Road four-arm priority roundabout.
- Junction 8 - Glover Road / A195 four-arm priority roundabout.
- Junction 9 - A1290 / Nissan site access signalised junction
- Junction 10 - New Eastern Site Access on A1290
- Junction 11 - New Western Site Access on A1290


Figure 1. Surrounding Highway Network

## A19 Strategic Road Network

3.2.4 The $\mathrm{A} 19(\mathrm{~T})$ is a de-restricted all-purpose dual carriageway route around the eastern limits of the city of Sunderland. The Testo's junction is located where the A184 and the A19(T) meet, approximately 3 miles south of the New Tyne Crossing.
3.2.5 The A19(T) Downhill Lane junction is grade-separated and provides access to Nissan and IAMP ONE. To the east of this junction there is access to the residential areas of Town End Farm, Downhill and Hylton Castle Estate.
3.2.6 The A1231 Sunderland Highway meets the A19(T) at North Hylton / Castletown to form a grade-separated junction. The junction is signalised on all approaches and has a three-lane circulatory carriageway. The northbound off-slip has a free-flow left turn lane onto the A1231.


Image 1 - Looking south from Testo's


Image 2 - Looking north toward Downhill Lane

## Local Road Network

3.2.7 The A184 is a major arterial commuter route into South Tyneside and Gateshead and runs in an east-west direction to the north of the site.
3.2.8 To the east of the $\mathrm{A} 19(\mathrm{~T})$, Washington Road is a single carriageway road as it approaches the Downhill Lane junction. To the west of the A19(T), Washington Road is a no-through road from its junction with the A1290, becoming a shared footway/cycleway at its eastern end before meeting the footbridge over the A19. The North East Land, Sea and Air Museum is located on Washington Road and also the Three Horse Shoes Public House. This route also provides a Non-Motorised User route to Nissan and Gateshead College.
3.2.9 The A1231 is a dual carriageway which runs parallel to the River Wear, passing the Sunrise Enterprise Park, the Sunderland Enterprise Park and Hylton Riverside Retail Park. Wessington Way ends at the junction with the Queen Alexandra Bridge. The A1231 has also recently been the subject of widening works to the eastbound approach to the A19; a Highways England led scheme forming part of the Local Pinch Point programme.
3.2.10 Nissan Way is the main access to Nissan from the A1231 and is a dual carriageway road with two lanes in each direction and a footway on its eastern side.

## SYSTRA

3.2.11 The A195 runs in a north-south direction to the west of the site and meets the A194 (M) to the north.
3.2.12 The A1290 runs in an east-west direction and provides access to several commercial areas and Infiniti Drive that serves the Hillthorn Business Park. At its western end, a shared use footway is available on both sides of the carriageway, although on the northern side this reduces to a narrow footway towards its eastern end. A T-junction provides access to Nissan entrance from the A1290. The junction is signalised for all main road movements and for right turn movements into and of the side road. The left turn out from Nissan is signalised on demand by the controlled pedestrian crossing. Vehicles turning into the Nissan plant from the off-side lane of the A1290 east are required to give way, as are vehicles travelling west from the Nissan plant. The Nissan plant access has two lanes for journeys into the Nissan plant and three lanes for vehicles leaving. In this area a shared use footway is available on the northern side of the road and a narrow footway on the south. As the A1290 continues north towards the A19, the road is single carriageway and is subject to a 40 mph speed limit. There is a short length of footway on the northern side of the road between the Nissan access and the bus stop to the east, but no footway between the Nissan access and Usworth Cottages. A shared use footway is however available between Usworth Cottages and the A19 Downhill Lane junction. Along this link is the junction that provides the northern point of access to IAMP ONE.
3.2.13 Glover Road runs in an east-west direction and includes four conventional roundabouts and two priority junctions. It is a single carriageway road which sometimes flares to two lanes on the approach to roundabouts. Most of the road is subject to a 30 mph speed limit, except a short section near Vermont roundabout when a derestricted speed limit applies. A shared use footway is available to the northern edge. The footway is set back considerably from the road and has signposts that indicate use by both pedestrians and cyclists. Street lighting is present along Glover Road.
3.2.14 Spire Road links to the A1231 Sunderland Highway in the south to Glover Road in the north. It is a single carriageway road subject to 30 mph speed limit. Access to commercial units along Spire Road is via priority junctions.
3.2.15 Cherry Blossom Way connects Nissan Way to commercial units and car parking adjacent to Nissan. It is a single carriageway road subject to 40 mph speed limits. Parking is prohibited with trief kerbs and double yellow lines used to enforce this prohibition. Access to units or car parks along Cherry Blossom Way is via priority junctions. A conventional roundabout is also situated on Cherry Blossom Way. Footways and street lighting are present on both sides of the road. One footway has signage that indicates shared use for cyclists and pedestrians. Cherry Blossom Way forms part of a bus route and bus stops are present on both sides of the road.

### 3.3 Traffic Operations

3.3.1 Baseline traffic data was obtained in 2018 and whilst traffic flow conditions currently being experienced on the network may have changed since surveys were undertaken (i.e., Testo's junction upgrade works are complete, Downhill Lane junction works are ongoing, Nissan nolonger operate a night shift and the long term effects of the COVID-19 pandemic) it is considered that these base flows represent a robust assumption with regard to operations and remain suitable for the consideration of this proposed development impact.

### 3.4 Road Network Improvements

3.4.1 The following provides a brief summary of road network improvements that have been completed, or are currently ongoing in the surrounding area since the 2018 surveys and previous Transport Assessment for IAMP ONE were undertaken.

## A19 Testo's Junction

3.4.2 Improvement works to this junction are now complete. The improvements have seen the A19 carriageway raised to an elevation of 7.5 m above ground level, passing over an enlarged roundabout linked by slip roads. Traffic on the A19 now flows freely above the roundabout, while traffic using the A184 still travel around the roundabout.

## A19 Downhill Lane Junction

3.4.3 Highways England is currently on site undertaking works to improve this junction which will expand the existing junction by providing a second bridge to the south of the existing one and establishing a full circulatory system. The existing north-facing slip roads are disconnected from the A19 and instead tie in to the link roads proposed as part of the A19/A184 Testo's Junction Improvement.
3.4.4 Washington Road to the east of the A19 and the A1290 to the west of the A19 will be realigned slightly to tie-in to the new Downhill Lane junction circulatory system. At a later stage, the western side of the junction would tie-in with the A1290 as a dual carriageway (dualling the A1290 is intended as part of future IAMP highway infrastructure works).
3.4.5 Downhill Lane to the east of the A 19 will be realigned to the south to tie in to Washington Road at a location further away from the circulatory system.
3.4.6 Works are currently scheduled to be complete by May 2022.

## IAMP ONE

3.4.7 As part of the IAMP ONE scheme, two new simple priority controlled junctions on the A1290 have been established and a new spine road, called 'International Drive' connects the two new junctions allowing through-traffic.
3.4.8 One new junction is located approximately 400 m south of the A19 / A1290 Downhill Lane junction and the other new junction is provided approximately 300 m west of the Nissan access junction and approximately 760m east of Cherry Blossom Way.
3.4.9 A 3.0m wide shared use footway is provided along both sides of the junctions which tie into provisions on the A1290. Dropped kerbs, tactile paving and pedestrian refuge are provided to access from the A1290. These are located immediately south of the northern priority junction and immediately west of the southern priority junction.
3.4.1 Also, as part of the IAMP ONE application, widening works on the western side of the A1290 have been undertaken. The widening occurs from the location of the northern IAMP ONE access junction northward in the direction of the Downhill Lane junction. Providing the widening works on the western side of the A1290 will allow the extension of the two lane provision for southbound movements, by approximately 300 m .

## Enterprise Zone

3.4.2 These works have been undertaken by Sunderland City Council to enable development to come forward in this area, They principally comprise of three elements:-

- Infrastructure works to include a new priority junction to the existing A1290
- A new realigned section of the A1290, located between the north-west corner of the Nissan site and the level crossing over the Leamside Line.
- Improve Nissan Way and access / junction arrangements from Turbine Way to create a connection from the improved Nissan Way to Infiniti Drive and through to the A1290.


### 3.5 Sustainable Accessibility

## Walking and Cycling

3.5.1 There is generally a good network of footways near IAMP ONE Phase 2 and the proposed battery plant, which offer a choice of suitable routes to nearby bus stops. External pedestrian routes in the vicinity are well lit and generally in good condition. Indeed, the A1290 was included in Regional Growth Fund (Round 4) funding for Local Highway Authority led cycle improvements, which provided over 16 km of new and improved off-road cycle route.
3.5.2 Cycling has the potential to cater for many trips and is considered a viable mode of travel for journeys less than five kilometres. The potential for cycling trips is significant, as a 30-minute journey from the site covers northwest Sunderland, Washington, Wardley, Hedworth and Boldon.
3.5.3 Near the Nissan Access junction on the A1290, there is a controlled pedestrian crossing facility, which includes a central refuge island, dropped kerbs and tactile paving. There is also a pedestrian guardrail on the A1290 near the bus stops.
3.5.4 Pedestrians and cyclists can travel along Washington Road to a footbridge over the A19. This route links to the residential area of Town End Farm and to cycleways connecting to the city centre. To the west of the footbridge is a direct pedestrian access to Nissan for staff.
3.5.5 New pedestrian links and footways are provided within the IAMP ONE development. These include the creation of a Non-Motorised User (NMU) route along the section of Follingsby Lane within the IAMP ONE site, which has been introduced by virtue of a prohibition of motor vehicles along this route, allowing walkers, cyclists and horse riders to pass through without conflict with motor vehicles.

## Equestrian

3.5.6 Formal equestrian routes in the vicinity of the site are limited although horse riders are permitted along the NMU route along Follingsby Lane, which has horse corrals at the road cross-over on International Drive. Furthermore, as part of the Highways England improvement scheme at the Downhill Lane junction, a new NMU bridge will be provided over the A19 and a Pegasus crossing installed on the A1290. It is also acknowledged that horses are kept on land at North Moor Farm.
3.5.7 The majority of bridleways, byways and restricted byways in the Tyne and Wear area are linear, limiting the opportunity for horse riding as a leisure pursuit. However, it should be
noted that looking at rights of way in isolation understates the equestrian access resource. It may be possible to link up public rights of way using minor roads and other access resources

## Bus Services

3.5.8 The bus is generally considered a viable mode of travel over short and medium distances although some routes and services with limited stops and make longer distances viable. Indeed, bus travel plays an important part of the access equation for the site.
3.5.9 Within close proximity to the site there are bus stops on the eastern side of the new junction on the A1290; bus stops on either side of the A1290 at the Usworth Cottages junction; and bus stops on either side of the A1290 in the vicinity of the Nissan access. All of which are within walking distance from the site.
3.5.10 The north bound bus stop in the vicinity of the Nissan access has a shelter with lighting, seating and timetable information. The southbound bus stop has flag/pole and timetable information.
3.5.11 Bus services 50 and '56 Fab Fifty-Six' are located on the A1290, within 500 m of the site, offering a 30-minue and 15 minute frequency respectively Monday to Saturday. On Sunday the frequency of service is 60 minutes and 20 minutes respectively.
3.5.12 The potential for public transport trips is significant as a 30-minutes travel journey from the site covers north Sunderland, Washington, parts of Pelaw, parts of Hebburn, South Shields, Southwick and Castletown.
3.5.13 Several conditions within the IAMP ONE consent (22 and 23) required the implementation of physical infrastructure on the A1290 to support bus services. The following works were agreed:

- North bound adjacent to West Moor Farm - extension of the existing footway up to the existing bus stop flag pole and installation of raised bus stop kerbs;
- South bound adjacent to Nissan signals - replacement of the existing bus shelter with a Nexus approved shelter and retention of existing footway to house new shelters;
- North bound, adjacent to Nissan signals - replacement of the existing modular bus shelter with a Nexus approved shelter and extension of existing footway;
- South and north bound, adjacent to Follingsby Lane - replacement of the existing flagpoles with Nexus approved shelters and extension of existing footways to house new shelters; and
- South and north bound adjacent to Downhill Lane - decommissioning of the existing bus stops given they are considered to be too close to the A19/A1290 junction.


## Train Travel

3.5.14 There are no rail stations within the immediate vicinity of the site. The nearest mainline railway station is located in Sunderland City Centre, approximately 6.5 km from the site. Also, Newcastle Railway station is located approximately 10km away from the site.
3.5.15 The train stations offer the following regional and nationwide services:

- East Coast main line operates northwards to Scotland and southwards to Yorkshire and London;
- Tyne Valley line operates westwards to Hexham and Carlisle;
- TransPennine rail operates to Leeds and Manchester; and
- Cross-Country line runs to the Midlands and south-west England.


## Air Travel

3.5.16 The nearest airport to the site is Newcastle International Airport, which is located 19 km to the north west of the site. There is a rail link from the airport to Newcastle City Centre and Sunderland from where a number of additional sustainable measures are available, including taxis, coaches and buses.

### 3.6 Road Safety Review

## Introduction

3.6.1 This chapter has been produced to provide an updated overview of collisions within the study area for the most recent 5-year period. The study area for the road safety analysis focuses on the similar extents to that considered for the traffic modelling.
3.6.2 Collision data has been sourced from the Tyne \& Wear Traffic and Accident Data Unit (TADU), which compiles road accident data on behalf of the Tyne and Wear Local Authorities. The Study Area is presented
3.6.3 A review of the collision records has been undertaken to identify patterns of collision types that may be attributed to issues from existing road design, layout or construction. The pattern of collisions and collision details are discussed in greater detail within this chapter.

## Summary

3.6.4 Within the 5 -year study period, it is seen that there were 168 collisions recorded, of which 138 were considered to be slight in severity, 28 were serious and two collisions resulted in a fatality. Both of the fatal collisions (one located on the A1290 and the other on the A19) can both be attributed to driver error, such as speeding or failing to look.
3.6.5 The results are demonstrated that cars represented $67 \%$ of the recorded collisions and $32 \%$ involved goods vehicles.
3.6.6 There were 11 collisions involving cyclists and one involving a pedestrian.

3.6.7 The collision records do not indicate any particular road safety concerns. It should be noted that road safety along the A19 is expected to improve with the new layouts at Testo's and Downhill Lane junction improving operational performance and provisions for Non-Motorised Users.

## 4. DEVELOPMENT PROPOSALS

### 4.1 Introduction

4.1.1 This chapter describes the development proposals and sets out details on staffing numbers, access, servicing and car parking. The following should be read alongside the masterplan given In Appendix A.

### 4.2 The Proposed Development

## Planning Application

4.2.1 The site lies wholly within the administrative area of Sunderland City Council and within the IAMP ONE area. Full planning permission is sought for the following development:

Erection of industrial unit to be used for the manufacture of batteries for vehicles with ancillary office / welfare floorspace and associated infrastructure provision, accesses, parking, drainage and landscaping.

## Purpose and Use

4.2.2 The proposed development consists of an industrial unit (Class B2) that is to house a 9 GWh capacity electrode and battery manufacturing facility, comprising of two battery manufacturing plants separated by a central spine of offices. Included within the unit will be an integral electrode manufacturing plant. The proposed development has a Gross Internal Area (GEA) of 108,795 sqm and will be supported by necessary vehicle parking, loading/unloading bays and manoeuvring areas.
4.2.3 The proposed facility will manufacture lithium-ion battery pouch cells and modules for electric vehicle (and other applications) via four production areas comprising of: electrode manufacture; cell production; formation and testing; and module assembly.

## Staff Numbers

4.2.4 The facility will employ approximately 1,000 staff, consisting of circa 850 shift-based staff and circa 150 day-based (office) staff. The facility will operate a 4 -shift pattern, with shift staff split approximately equal across these shifts.
4.2.5 It should be noted that Envision AESC currently operate an existing facility within the Nissan plant. Approximately 300 staff will continue at this site in the short term, but will eventually transfer to the new battery plant within IAMP ONE (these 300 staff are included in referenced to 1,000 staff)
4.2.6 The building itself will be operated over a 24-hour, 7-day week period.
4.2.7 The proposed development will comply with the requirements of the IAMP ONE Highways Operational Management Plan (HOMP). Where by all shift and non-shift based staff (i.e., office/administrative/managerial) will be required to adhere to a 1-hour off-set from Nissan operations, which will be defined within their contracted hours of employment. Specifically,

## SYSTRA

no staff will be permitted to arrive on site between 06:00-07:00hrs and this will be outlined during the staff induction process.

## Site Access

4.2.8 Access to the site will be taken from a new priority controlled junction on International Drive. A plan of the site access is included in Appendix A and shows that two exit lanes are provided, one dedicated for left turn movements and the other for right turn movements - these are separated by a pedestrian refuge island. For inbound movements, a short dedicated taper lane is provided for left turn movements from the south, which then give-way to any rightturning inbound movements.
4.2.9 A separate emergency access is provided onto the A1290 to the south in the approximate location of the West Moor Farm access.
4.2.10 Within the site, at the main site entrance, separate access lanes are provided for car and HGVs / delivery vehicles. Signage would be provided to direct vehicles to the correct areas.
4.2.11 Once within the site, any cars would travel into the car park or to the drop off / pick up area near the main entrance to the building.
4.2.12 HGVs / service vehicles will travel through a gatehouse and along an access route which travels around the eastern, southern and western sides of the buildings. A separate access lane is provided for any emergency vehicles adjacent to the gatehouse.
4.2.13 A Stage 1 Road Safety Audit (RSA) has been undertaken of the proposals and did not identify any issues that cannot be resolved at the next stage of the design process. A copy of the RSA is included in Appendix B.

## Parking Provision

4.2.14 It is important that an appropriate level of car parking is provided, although it is acknowledged that too much parking provision increases the reliance on the car, reduces potential for sustainable modes of travel to the site and results in a landscape dominated by vehicles. Notwithstanding this, too little parking provision results in indiscriminate parking, potentially reducing pedestrian and cycle amenity or parking pressures spilling out onto the external highway network.
4.2.15 Sunderland City Council's Development Management SPD sets out the requirements for car parking. It also identifies that an appropriate level of electric vehicle parking and charging infrastructure to suit site specific requirements should be provided. The SPD sets out the need for levels of parking to be considered alongside and 'Accessibility Level' score determined from the 'Accessibility Questionnaire'.
4.2.16 Appendix $C$ summarises the results of the Accessibility Questionnaire for the site, indicating and Accessibility Level of 10: Low (Less than 15). In the SPD, this score correlates to a car parking provision ratio of 1 per 50 sqm GFA.
4.2.17 It should be noted that within the Transport Assessment for IAMP ONE, it was demonstrated that following a review of car parking provisions at known Nissan suppliers, a ratio of 1 per 50 sqm may not be appropriate this type of industry and use. Indeed, the proposed operations

## SYST「A

within the battery plant will rely on automated processes, resulting in less dense staffing levels compared to other 'typical' B2 industrial uses. For example, the Unipres site located on Cherry Blossom Way, directly opposite the proposed development on the other side of the A1290, provides car parking at a ratio of approximately 1 space per 100 sqm GEA.
4.2.18 Importantly within the SPD parking standards, it outlines that the emphasis is on providing a level of parking to suit the needs of the development. In this respect, Envision AESC has extensive knowledge of its operational needs, including the level of car parking required to accommodate staff and visitors.
4.2.19 The proposed development will provide 685 spaces for staff and 40 spaces for visitors, which provides a total of 725 spaces. With a proposed GEA of 90,295 sqm this equates to approximately 1 space per 125 sqm. Mindful of the previous observations with the regard to staffing numbers and operations on site compared to 'typical' B2 industrial uses, this level of parking is considered appropriate to meet operational needs without the risk of overspill outside of the site.
4.2.20 Of the 725 total spaces to be provided, $5 \%$ would be accessible and up to $10 \%$ would be electric vehicle charging bays. The accessible bays would be located outside the main entrance to the building.
4.2.21 Provision for pedestrians and cyclists has been incorporated into the overall layout of the development area, linking to the infrastructure within IAMP ONE. A cycle shelter, which could accommodate up to 80 bicycles / motorcycles, is proposed close to the main entrance to the building.

## Servicing and Deliveries

4.2.22 Envision AESC has extensive knowledge of its operational needs, including the internal layout requirements to accommodate its servicing and delivery arrangements.
4.2.23 Servicing and delivery vehicles, such as HGV and Vans will be directed through security controlled barriers to the perimeter bi-directional service road. Both the Goods In Yard and Goods Out Yard will have level access doors and dock levellers. The site masterplan layout has been modelled on a worst case of 50 HGV movements per day, however Envision's Logistics team anticipate that the actual number will be approximately 34 HGVs per day.
4.2.24 Envision AESC are committed to ensuring that servicing and deliveries associated with the site do not have a detrimental impact on the surrounding road network or neighbourhood. The internal layout has been designed to meet operational needs and expected HGV movements, thus ensuring that scheduled servicing and deliveries are accommodated on site safely.
4.2.25 It is also important to note the expected supply chain links between battery plant and Nissan, which mean the impact of freight journeys from 'supplier' to 'consumer' will be minimised. This will have a positive impact on sustainability and reduce the environmental impact.

## Framework Travel Plan

4.2.26 In accordance with national and local policy requirements a Framework Travel Plan has been prepared to accompany the planning application and this is submitted under separate cover.
4.2.27 The Framework Travel Plan is to be read in conjunction with this Transport Statement and is based on the best practice guidance set out in the Planning Practice Guidance. The Travel Plan seeks to encourage trips to the proposed development to be made by sustainable (noncar) modes of transport, where possible, and to mitigate the impact of traffic.
4.2.28 Envision AESC has already commenced discussions with the IAMP ONE Principal Travel Plan Co-ordinator (a role undertaken by Sunderland City Council) and will continue to work together on sustainable travel initiatives.

### 4.3 Construction Traffic Management Plan

4.3.1 Prior to the commencement of construction, a detailed Construction Traffic Management Plan (CTMP), will be submitted to the Council. This will be agreed with the Council, Highways England and other stakeholders and adhered to throughout the construction period. The CTMP will ensure the smooth flow of deliveries \& collections to site and no disruption to the operations of neighbouring properties and public.
4.3.2 Through the CTMP, the Contractor will coordinate the arrival and departure patterns for deliveries to avoid disruption during Nissan shift change times and school start/finish times. A timetable of construction implementation will also be set out.

## 5. TRIP GENERATION \& ASSESSMENT

### 5.1 Introduction

5.1.1 This chapter sets out the methodology used to calculate the number of trips the development will generate in comparison with the forecasts previously assumed within the Transport Assessment for the consented IAMP ONE.

### 5.2 Staff Levels Comparison

5.2.1 The traffic generation forecasts for IAMP ONE were informed by surveys at Unipres, an operation associated with, and supplier to, Nissan. This method was endorsed by Highways England and the Local Highway Authority.
5.2.2 Using known staffing levels at Unipres and previously estimated gross floor area for the Unipres building, it is possible to derive a floor area factor to establish the number of staff inherently assumed within the previous trip generation and capacity assessments.
5.2.3 Envision can accurately forecast their anticipated staff numbers based on known operational requirements and expect that up to 1,000 staff would be employed within the two sites in the short term, with aspirations that they will eventually migrate to the new site. The tables below provide a direct comparison between the Unipres site and the proposed development, demonstrating that due to the heavily automated processes to be deployed, staff numbers are relatively low compared to floor area.

Table 1. Staff Levels Comparison

|  | UNIPRES | ENVISION AESC |
| :--- | :---: | :---: |
| Gross Floor Area | 55,000 sqm GEA (approx..) | 108,615 sqm GIA |
| Office Day Shift Staff | 150 | 150 |
| Production Staff | 1,050 | 850 |
| Workforce Total | 1,200 | 1,000 |
| Production staff per shift | 350 | 220 |
| Approx Staff per 100sqm | 2.18 | 0.92 |

5.2.4 On a pro-rata basis, based on known Unipres staff numbers and estimated GEA, the proposed battery plant would be assumed to yield a workforce total of 2,374 staff. It is this level of staff which will have been previously been ingrained in the trip generation assumptions and assessed within the IAMP ONE and IAMP ONE Phase 2 Transport Assessment / Statement.

### 5.3 Multi-Modal Trip Generation

5.3.1 To understand how the previously identified staff numbers might be represented by the various modes of travel, travel survey data obtained from the most recent (2019) Nissan Travel Plan staff survey has been used to proportion staff trips accordingly. The resultant multi-modal trip forecast is shown in Table 2 below.

|  | Table 2. Multi Modal Trip Generation |  |  |
| :--- | :---: | :---: | :---: |
| MODE | NISSAN TP \% | ENVISION <br> OFFICE STAFF | ENVISION <br> STAFF PER SHIFT |
| Walk | 1.9 | 3 | 4 |
| Cycle | 4.9 | 7 | 11 |
| Public Transport | 6 | 9 | 13 |
| Taxi | 0.5 | 1 | 18 |
| Car Share Driver | 12.1 | 12 | 27 |
| Car Passenger | 8.1 | 96 | 18 |
| Car Driver Alone | 63.7 | 3 | 140 |
| Motorcycle | 1.9 | 149 | 4 |
| Total | 99.1 | 218 |  |

Note: the inaccuracy with total percentage is due to discrepancy in TP survey data
5.3.2 As can be seen above, at the start of a shift, the battery plant is forecast to generate approximately 168 in-bound (and 168 out-bound) car movements. Office based staff are expected to generate approximately 115 arrival trips in the AM and similarly 115 departure trips in the PM period.
5.3.3 Working alongside the IAMP ONE Principal Travel Plan Co-ordinator and combining sustainable travel planning efforts with other businesses in the immediate area offers significant opportunity for car trips to be reduced and sustainable modes to be maximised.
5.3.4 It is again importantly to emphasise, the level of trips identified above are considerably lower than those previously included within the operational capacity assessments undertaken as part of the wider IAMP ONE assessments. Furthermore, the previous assessments did not consider the capacity benefits forecast to be realised by the improved Downhill Lane junction improvements. As such, no further capacity assessments of the wider network are considered to be necessary within this report.

### 5.4 COVID-19 Assumptions

5.4.1 The impact of the COVID-19 pandemic is ongoing and the long-term effects on working patterns are uncertain. However, the nature of the battery plant are such that, the vast majority of employees will still travel into work physically rather than working remotely.
5.4.2 The long term post-pandemic effects on background traffic flows are harder to predict. However, it is considered that the future year background traffic assumptions flows used in the IAMP ONE assessments remain robust.

### 5.1 Site Access Assessment

5.1.1 As described previously, the proposed new site access onto International Drive is a priority junction, with two lanes for entry (left-turn movements from the south give way) and two exit lanes, with considerable internal queueing capacity.
5.1.2 To assess the suitability of the site access, a capacity assessment has been undertaken using 'Junctions 9' during a shift change-over period and using overly robust assumptions, as summarised below:

- 285 shift staff arrive by car; 285 shift staff leave by car
- All cars arriving are assumed to turn right into the site; all existing cars are assumed to right out of the site - to provide the greatest level of possible conflict movements.
- The 'Direct Flows' tab has been to input traffic data to profile the arrival and departures over the assessment period. This allows a peak to be specifically created over 15-minute time intervals to replicate vehicles leaving after a shift, rather than allowing the software to create a 'typical' profile. The following profile percentages have been assumed for both arrival and departure vehicles:

| $\circ$ | $0545-0600-1 \%$ |
| :--- | :--- |
| $\circ$ | $0600-0615-3 \%$ |
| $\circ$ | $0615-0630-5 \%$ |
| $\circ$ | $0630-0645-10 \%$ |
| $\circ$ | $0645-0700-80 \%$ |
| $\circ$ | $0700-0715-1 \%$ |

- The same profile above has also been applied to the 'background' traffic which could also be on International Drive arising from other sites within IAMP ONE.
5.1.3 The results below demonstrate that even with the robust assumptions outlined above, the site access junction is forecast to operate within capacity. Full output data is in Appendix D.

Table 3. Site Access Capacity Assessment

| ARM | QUEUE (PCU) | DELAY (S) | RFC |
| :--- | :---: | :---: | :---: |
| Site Access Right Turn | 1.0 | 16.6 | 0.52 |
| International Drive Right Turn | 0.5 | 7.9 | 0.34 |

### 5.2 Compliance with the HOMP

5.2.1 One of the principal considerations for the IAMP ONE Transport Assessment was the potential traffic impact at the A19 Downhill Lane junction. At the time, operational issues were apparent during a Nissan shift-change period.
5.2.2 As a mechanism to manage the impact during these periods, for a temporary period, until at least the improvement works to the A19 at Testo's and Downhill Lane are completed, the end users within IAMP ONE are required to operate a shift pattern that is off-set by one hour from those used at Nissan in the morning and afternoon periods. This is controlled by compliance with the HOMP.
5.2.3 The Envision AESC battery plant within IAMP ONE will therefore adhere to the requirements of the HOMP and ensure that any conflict with operations with Nissan are minimised.

## 6. SUMMARY AND CONCLUSIONS

### 6.1 Summary

6.1.1 Envision AESC are bring forward a detailed planning application for the proposed development of land within IAMP ONE Phase 2, in Sunderland. The proposal is the erection of an industrial unit to be used for the manufacture of batteries for vehicles.
6.1.2 SYSTRA has been commissioned to prepare this Transport Statement (TS) to support the planning application. A Framework Travel Plan has also been prepared under a separate cover.
6.1.3 Following a refresh and update of the relevant policy context and changes to the baseline conditions considered previously for IAMP ONE, the report provides details of the proposed development, including its operations, staff numbers, access arrangements, parking and servicing.
6.1.4 The TS then sets out how the proposed development will employ less staff and generate less traffic than was previously considered within the network capacity assessments for the IAMP ONE (and IAMP ONE Phase 2) applications.
6.1.5 Importantly, the Envision AESC battery plant will adhere to the requirements of the HOMP and ensure that any conflict with operations with Nissan are minimised.

### 6.2 Conclusion

6.2.1 The Transport Assessment for IAMP ONE demonstrated that the surrounding highway network, subject to mitigation on the A1290 (which has now been completed), could accommodate the additional traffic generated by the full build-out of IAMP ONE without significant queuing or delay.
6.2.2 The proposed development will employ less staff and therefore less traffic than the previous IAMP ONE assessments and therefore does not exceed the thresholds of acceptability previously determined. As such, the impact of the proposed development traffic on the road network is considered to be not severe.

## SYST「A

## Appendix A

Materplan \& Access Drawings






き Envision
ヘESㄷ Envision AESC UK
Planning Support
rive Proposed Access Geometry
$\qquad$

# SYST「A 

## Appendix B

Road Safety Audit

## STAGE 1 ROAD SAFETY AUDIT



## SYSTCA

## ENVISION AESC UK BATTERY PLANT, SITE ACCESS, IAMP ONE, SUNDERLAND

STAGE 1 ROAD SAFETY AUDIT

| IDENTIFICATION TABLE |  |
| :--- | :--- |
| Client/Project owner | Envision AESC UK Ltd |
| Project | Envision AESC UK Battery Plant, Site Access, IAMP ONE, <br> Sunderland |
| Study | Stage 1 Road Safety Audit |
| Type of document | Final Report |
| Date | 29/06/2021 |
| File name | Envision Site Access, IAMP ONE, Sunderland - S1 RSA |
| Reference number | GB01T21B34/RSA/001 |
| Number of pages | 14 |

## APPROVAL

| Version | Name |  | Position | Date | Modifications |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Author | PH | Consultant | 28/06/2021 |  |
|  | Checked by | JQ | Associate Director | 28/06/2021 |  |
|  | Approved by | PH | Consultant | 29/06/2021 |  |
| 2 | Author |  |  | DD/MM/YY |  |
|  | Checked by |  |  | DD/MM/YY |  |
|  | Approved by |  |  | DD/MM/YY |  |

## TABLE OF CONTENTS

1. INTRODUCTION ..... 4
1.1 INTRODUCTION ..... 4
1.2 Project Sponsor ..... 4
1.3 Audit Team ..... 4
1.4 BACKGROUND ..... 4
1.5 Information Provided for Audit ..... 5
1.6 Site Visit ..... 5
1.7 SCOPE OF AUDIT ..... 6
2. ITEMS RAISED IN PREVIOUS ROAD SAFETY AUDIT(S) ..... 7
3. ROAD SAFETY AUDIT DETAILS ..... 8
4. AUDIT TEAM STATEMENT ..... 12

## 1. INTRODUCTION

### 1.1 Introduction

1.1.1 This report details the findings of a Stage 1 Road Safety Audit and makes recommendations to improve road safety of a new site access on the International Advanced Manufacturing Park (IAMP), in Sunderland. The new site access will provide access to the proposed Envision AESC UK Battery Plant, which will be located to the north of the A1290 and to the west of the new spine road that runs through the IAMP site.

### 1.2 Project Sponsor

1.2.1 The Project Sponsor is: Envision AESC UK Ltd, Washington Road, Sunderland, Tyne and Wear, SR5 3NS.
1.2.2 The Design Organisation is:

RPS, Sherwood House, Sherwood Avenue, Newark, Nottinghamshire, NG24 1QQ.

### 1.3 Audit Team

1.3.1 The Audit was undertaken by:

| SAFETY AUDIT TEAM LEADER | SAFETY AUDIT TEAM MEMBER |
| :--- | :--- |
| Peter Hill BEng CEng MICE <br> Director | James Quigley MA MSc CMILT |
| Peter Hill Design Services Limited | Associate Director |
| 809 Wilmslow Road | SYSTRA Ltd |
| Didsbury | Milburn House, Dean Street |
| Manchester, M20 2QR | Newcastle Upon Tyne, NE1 1LE |

### 1.4 Background

1.4.1 Envision AESC UK Ltd, are currently in the process of obtaining planning permission for the construction of a new battery plant on the IAMP site in Sunderland.
1.4.2 The proposed development will be accessed from a new priority ghost island junction constructed on the western side of the existing spine road that runs through the IAMP site and connects to the A1290 to the south and east of the new development.
1.4.3 The development will also have an emergency access located on the A1290 approximately 300 m to the east of Cherry Blossom Way.
1.4.4 The proposals audited in this report consist of the following:

- The new priority ghost island junction located on the western side of the internal spine road within the IAMP site;
- The amendments to the existing shared footway / cycleway that runs along the western side of the spine road to facilitate the new site access junction;
- The proposed pedestrian connection to the internal spine road to the south of the new site access, and;
- The provision of the new emergency site access junction on the A1290 to the east of Cherry Blossom Way.


### 1.5 Information Provided for Audit

1.5.1 The Audit Team were not informed of any Departure from Standards with regard to the design of the proposed highway works.
1.5.2 The Audit comprised an examination of the following documents, provided prior to the site visit.

## DOCUMENT REF/DATE

NK020439P SK-011 rev P01
Dated: 04/06/21

## DOCUMENT TITLE

Envision AESC UK Battery Plant Planning Support. Site Plan

### 1.6 Site Visit

1.6.1 The Safety Audit Team visited the site together during the hours of daylight between 16:45 and 17:45 on Wednesday $23^{\text {rd }}$ June 2021.
1.6.2 It should be noted that at the time of the site visit the country was still within a period of lockdown with travel restrictions due to the Covid-19 pandemic. Pedestrian, cyclist and traffic flow levels were therefore anticipated to be lower and/or different to normal operating conditions.
1.6.3 The weather was sunny and dry during the site visit. The carriageway and footways were dry during the site visit.
1.6.4 Traffic flows along the spine road of IAMP and the A1290 were both light during the site visit and no queuing was observed on either road or at any of the junctions or site accesses.
1.6.5 Pedestrian activity was light on both roads with only a few pedestrians observed using the shared footway / cycleway during the site visit.
1.6.6 Cyclist activity was also light during the audit with the majority of cyclists that were observed were using the shared footway / cycleway facility running along the A1290.

Envision AESC UK Battery Plant, Site Access, IAMP ONE, Sunderland
1.6.7 Although no actual speed measurements were taken, observed traffic speeds appeared to be consistent with the 30 mph speed limit on the IAMP spine road and the 40 mph speed limit on the A1290.

### 1.7 Scope of Audit

1.7.1 The Audit has been undertaken with reference to the Design Manual for Roads and Bridges Standard GG119. The Audit Team has not been involved with the design of this scheme.
1.7.2 The scheme has been examined and this report compiled only with regard to the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other Standards or criteria. However, in order to clearly explain a safety problem or the recommendation to resolve a problem, the Audit Team may on occasion have referred to a design standard for information only. (The diagram numbers (Dia.) specified in the report are those numbers referred to in The Traffic Signs Regulations and General Directions (TSRGD) 2016). However, any audit comments should not be construed as implying that a technical audit has been undertaken in any respect.
1.7.3 Furthermore, any recommendations included within this report should not be regarded as being prescriptive design solutions to the problems raised. They are intended only to indicate a proportionate and viable means of eliminating or mitigating the identified problem, in accordance with GG119, and in no way imply that a formal design process has been undertaken. There may be alternative methods of addressing a problem which would be equally acceptable in achieving the desired elimination or mitigation and these should be considered when responding to this report.
1.7.4 It is the Project Sponsor's responsibility to ensure that all problems raised by the Road Safety Audit Team are given due consideration. To assist with this, the Design Team must prepare a Road Safety Audit Response Report to the Road Safety Audit Report.

## 2. ITEMS RAISED IN PREVIOUS ROAD SAFETY AUDIT(S)

2.1.1 The safety audit team are not aware of any other road safety audits that have been undertaking on the proposals reviewed as part of this road safety audit.

## SYST「A

## 3. ROAD SAFETY AUDIT DETAILS

### 3.1.1 Problem: -

1
Tie in to existing road layout.
Summary: Right turning lane appears to overlap adjacent right turning lane, risk of side swipe and/or head-on collisions.

The drawings show the provision of a new right turning lane will be provided to access the new development. The right turning lane shown is approximately 55 m long and appears to overlap the right turning lane for the existing access located to the east of the new site access (See photo below of existing right turn). The drawings do not show the exiting right turning lane or how the new road markings will be tied into the existing road markings. In addition, HGVs were observed pulling into the central hatching to access the existing right turn lane. If the road markings are not correctly provided this will increase the risk of vehicles entering both right turning lanes too early increasing the risk of side swipe and/or head-on collisions.

Recommendation:

It is recommended that the drawings show how the new road markings will tie in with the existing road markings to ensure a safe layout is provided at the start of both right turning lanes and that auto-tracking is undertaken to demonstrate that large vehicles can safely undertake this manoeuvre.

3.1.2 Problem: - $2 \quad$ Width of islands provided in new site access.

Summary: Narrow islands increases risk of cyclists waiting on an island being struck by a vehicle.

The new site access has several islands provided within the access to accommodate pedestrians and cyclists to cross the site access. The width of the islands do not appear to be wide enough to safely accommodate waiting cyclists. Narrow islands will increase the risk of a cyclists waiting on one of the narrow islands from being struck by a vehicle entering or leaving the new site access.

Recommendation:

It is recommended that width of the crossing points on the islands are sufficient to allow the anticipated volume of cyclists to safely wait without overhanging the adjacent traffic lanes.
3.1.3 Problem: - $3 \quad$ Narrow entry and exit lane widths.

Summary: Risk of large vehicles overrunning footways / islands and striking waiting pedestrians or cyclists.

The lane widths of the entry and exit from the site appear narrow within the junction bell mouth where vehicles will be undertaking tight turning movements. If the lane widths are not sufficient to accommodate the swept path of large vehicles accessing the site this will increase the risk of them overrunning the footways and increase the risk of striking a waiting pedestrian or cyclists.

Recommendation:

It is recommended that the swept path of large vehicles are checked to ensure sufficient carriageway width has been provided for them to safely turn into and out of the site access.

## SYSTRA

3.1.4 Problem: - 4 A1290 Emergency access visibility.

Summary: Visibility obstructed by existing vegetation within verge areas.
The proposed emergency access onto the A1290 has poor visibility due to the overgrown verge areas (See photos below of visibility from existing access point).. If visibility is obstructed this will increase the risk of a vehicle leaving the emergency access pulling into the path of a vehicle increasing the risk of side swipe collisions.

## Recommendation:

It is recommended that a suitable and permanent visibility splay is provided at the emergency access.


Envision AESC UK Battery Plant, Site Access, IAMP ONE, Sunderland

## SYSTRA

3.1.5 Problem: -

5 IAMP Spine Road.
Summary: No signage to warn shared footway/cycleway, increased risk of collisions and conflicts between pedestrians and cyclists.

There is a shared footway / cycleway that runs along the southern side of the A1290 which has signage to inform both pedestrians and cyclists that the route is shared. However, as you enter the IAMP Spine Road there is no signage to inform either pedestrians or cyclists if the footways are shared routes (See photo below of existing footway). This lack of signage on the IAMP Spine Road will increase the risk of collisions and conflicts between pedestrians and cyclists using the route.

Recommendation:

It is recommended that signage is provided along the IAMP Spine Road to indicate who is allowed to use the routes.


## 4. AUDIT TEAM STATEMENT

4.1.1 We certify that this road safety audit has been carried out in accordance with GG119.

## SAFETY AUDIT TEAM LEADER

Name: Peter Hill BEng Eng MICE
Signed


Position: Director
Organisation: Peter Hill Design Services Limited

Date: $\quad 29^{\text {th }}$ June 2021

SAFETY AUDIT TEAM MEMBER

Name: James Quigley MA NSc MTPS
Signed:


Position: Associate Director
Organisation: SYSTRA Ltd

Date: $\quad 28^{\text {th }}$ June 2021

## SYSTRA

## Report Appendix A

## PROPOSED ARRANGEMENT DRAWINGS \& LOCATION OF SAFETY PROBLEMS



SYSTRA provides advice on transport, to central, regional and local government, agencies, developers, operators and financiers.

A diverse group of results-oriented people, we are part of a strong team of professionals worldwide. Through client business planning, customer research and strategy development we create solutions that work for real people in the real world.

For more information visit www.systra.co.uk

## SYST「A

## Appendix C

Site Accessibility Questionnaire

| Accessibility Questionnaire - Non-Residential Development |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Site Location: Site Description: | IAMP ONE <br> Envision AESC UK Battery Plant in south-west corner |  |  |  |
| Access Type | Criteria | Criteria Scor |  | Sub-Score |
| Walking | Distance to the nearest bus stop from the main entrance to the building (using a direct, safe route) | <200m | 5 | 1 |
|  |  | <300m | 3 |  |
|  |  | <500m | 1 |  |
|  |  | >500m | 0 |  |
|  | Distance to the nearest railway/metro station from the main entrance to the building | <400m | 5 | 0 |
|  |  | <1km | 2 |  |
|  |  | >1km | 0 |  |
| Cycling | Distance to defined cycle routes | <200m | 3 | 3 |
|  |  | <500m | 2 |  |
|  |  | <1km | 1 |  |
| Public <br> Transport | Frequency of principal service from nearest bus stop during operational hours of the development | 15 minutes of less | 5 | 5 |
|  |  | 30 minutes of less | 3 |  |
|  |  | >30 minutes | 1 |  |
|  | Number of bus services serving different localities stopping within 200 metres of the main entrance | 4 or more localities served | 5 | 0 |
|  |  | 3 | 3 |  |
|  |  | 2 | 2 |  |
|  |  | 1 | 1 |  |
|  | Drive to the nearest railway/metro station | 10 minutes of less | 3 | 1 |
|  |  | 10-20 minutes | 1 |  |
| Travel <br> Reduction Opportunities | Facilities on site or within 100 metres that reduce the need to travel | * food shop/cafe | 1 | 0 |
|  |  | * newsagent | 1 |  |
|  |  | * creche | 1 |  |
|  |  | * other | 1 |  |
|  |  |  | Total | 10 |

## SYST「A

## Appendix D

Site Access Capacity Assessment Data

## Junctions 9

## PICADY 9 - Priority Intersection Module

Version: 9.5.1.7462
© Copyright TRL Limited, 2019
For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344379777 software@trl.co.uk www.trlsoftware.co.uk
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution

Filename: Site Access.j9
Path: W:IGB01T21B34 - Project Bluebell\5. Technical\5. Modelling
Report generation date: 7/8/2021 12:16:49 PM

## «Base + Dev DIRECT 100\%R, AM

»Junction Network
»Arms
"Traffic Demand
»Origin-Destination Data
»Vehicle Mix
»Results

## Summary of junction performance

|  | AM |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Queue (PCU) | Delay (s) | RFC | Los |
|  | Base + Dev DIRECT $100 \%$ R |  |  |  |
| Stream B-C | 0.0 | 0.00 | 0.00 | A |
| Stream B-A | 1.0 | 16.60 | 0.52 | C |
| Stream C-AB | 0.5 | 7.90 | 0.34 | A |

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

File summary
File Description

| Title |  |
| :--- | :--- |
| Location |  |
| Site number |  |
| Date | $7 / 5 / 2021$ |
| Version |  |
| Status | (new file) |
| Identifier |  |
| Client |  |
| Jobnumber |  |
| Enumerator | ADSYSTRAlahogg |
| Description |  |

## Units

| Distance units | Speed units | Traffic units input | Traffic units results | Flow units | Average delay units | Total delay units | Rate of delay units |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| m | kph | PCU | PCU | perHour | S | -Min | perMin |



Arm A

Flows show original tratic demand (PCU/hr).
Time Segment 05:45-06:00
The junction diagram reflects the last run of Junctions.

## Analysis Options

| Calculate Queue Percentiles | Calculate residual capacity | RFC Threshold | Average Delay threshold (s) | Queue threshold (PCU) |
| :--- | :---: | :---: | :---: | :---: |
|  |  | 0.85 | 36.00 | 20.00 |

## Analysis Set Details

| ID | Network flow scaling factor (\%) |
| :---: | :---: |
| A1 | 100.000 |

THE FUTURE

## Base + Dev DIRECT 100\%R, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

## Junctions

| Junction | Name | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | untitled | T-Junction | Two-way |  | 7.50 | A |

## Junction Network Options

| Driving side | Lighting |
| :---: | :---: |
| Left | Normal/unknown |

## Arms

## Arms

| Arm | Name | Description | Arm type |
| :---: | :--- | :--- | :--- |
| A | International Drive S |  | Major |
| B | Site Access |  | Minor |
| C | International Drive N |  | Major |

Major Arm Geometry

| Arm | Width of carriageway <br> $(\mathbf{m})$ | Has kerbed central <br> reserve | Has right turn <br> bay | Width for right turn <br> $(\mathbf{m})$ | Visibility for right turn <br> $(\mathbf{m})$ | Blocks? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B |  | $\checkmark$ | 3.50 | 102.0 |  |  |
| C | 7.00 |  | $\checkmark$ |  | 9.00 |  |

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

## Minor Arm Geometry

| Arm | Minor arm type | Lane Width (Left) (m) | Lane Width (Right) (m) | Visibility to left (m) | Visibility to right (m) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| B | Two lanes | 3.50 | 3.50 | 90 | 95 |

## Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

| Stream | Intercept <br> $(\mathbf{P C U} / \mathbf{h r})$ | Slope <br> for <br> AB | Slope <br> for <br> AC | Slope <br> for <br> C-A | Slope <br> for <br> C-B |
| :---: | :---: | :---: | :---: | :---: | :---: |
| B-A | 582 | 0.101 | 0.256 | 0.161 | 0.366 |
| B-C | 718 | 0.105 | 0.266 | - | - |
| C-B | 723 | 0.268 | 0.268 | - | - |

The slopes and intercepts shown above do NOT include any corrections or adjustments.
Streams may be combined, in which case capacity will be adjusted.
Values are shown for the first time segment only; they may differ for subsequent time segments.

## Traffic Demand

Demand Set Details

| ID | Scenario name | Time Period <br> name | Traffic profile <br> type | Start time <br> (HH:mm) | Finish time <br> (HH:mm) | Time period length <br> (min) | Time segment length <br> (min) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| D2 | Base + Dev DIRECT 100\%R | AM | DIRECT | $05: 45$ | $07: 15$ |  |  |


| Vehicle mix source | PCU Factor for a HV (PCU) | O-D data varies over time |
| :---: | :---: | :---: |
| HV Percentages | 2.00 | $\checkmark$ |

## Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Scaling Factor (\%) |
| :---: | :---: | :---: | :---: |
| A |  | $\checkmark$ | 100.000 |
| B |  | $\checkmark$ | 100.000 |
| C |  | $\checkmark$ | 100.000 |

## Origin-Destination Data

05:45-06:00
Demand (PCU/hr)

06:00-06:15
Demand (PCU/hr)

|  | To |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| From |  | A | B | C |
|  | A | 0 | 0 | 6 |
|  | B | 9 | 0 | 0 |
|  | C | 5 | 9 | 0 |

Demand (PCU/hr)

06:15-06:30

06:30-06:45
Demand (PCU/hr)

|  | To |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| From |  | A | B | C |
|  | A | 0 | 0 | 20 |
|  | B | 29 | 0 | 0 |
|  | C | 16 | 29 | 0 |

Demand (PCU/hr)

|  | To |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| From |  | A | B | C |
|  | A | 0 | 0 | 159 |
|  | $\mathbf{B}$ | 228 | 0 | 0 |
|  | C | 130 | 228 | 0 |

Demand (PCU/hr)

\[

\]

Vehicle Mix

Heavy Vehicle Percentages

|  | To |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| From |  | A | B | C |
|  | A | 0 | 0 | 10 |
|  | B | 0 | 0 | 0 |
|  | C | 10 | 0 | 0 |

## Results

Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
| :---: | :---: | :---: | :---: | :---: |
| B-C | 0.00 | 0.00 | 0.0 | A |
| B-A | 0.52 | 16.60 | 1.0 | C |
| C-AB | 0.34 | 7.90 | 0.5 | A |
| C-A |  |  |  |  |
| AB |  |  |  |  |
| AC |  |  |  |  |

## Main Results for each time segment

## 05:45-06:00

| Stream | Total Demand <br> $(\mathbf{P C U} / \mathbf{h r})$ | Capacity <br> (PCU/hr) | RFC | Throughput <br> $(\mathbf{P C U} / \mathbf{h r )}$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 717 | 0.000 | 0 | 0.0 | 0.000 |  |
| B-A | 3 | 581 | 0.005 | 3 | 0.0 | 6.232 | A |
| C-AB | 3 | 722 | 0.004 | 3 | 0.0 | 5.006 | A |
| C-A | 2 |  |  | 2 |  |  |  |
| AB | 0 |  |  | 0 |  |  |  |
| AC | 2 |  | 2 |  |  |  |  |

06:00-06:15

| Stream | Total Demand <br> (PCU/hr) | Capacity <br> $(\mathbf{P C U} / \mathbf{h r})$ | RFC | Throughput <br> $(\mathbf{P C U} / \mathbf{h r})$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 714 | 0.000 | 0 | 0.0 | 0.000 | A |
| B-A | 9 | 577 | 0.016 | 9 | 0.0 | 6.338 | A |
| C-AB | 9 | 721 | 0.012 | 9 | 0.0 | 5.055 | A |
| C-A | 5 |  |  | 5 |  |  |  |
| AB | 0 |  | 0 |  |  |  |  |
| AC | 6 |  | 6 |  |  |  |  |

06:15-06:30

| Stream | Total Demand <br> $(\mathbf{P C U} / \mathbf{h r})$ | Capacity <br> $(\mathbf{P C U} / \mathbf{h r})$ | RFC | Throughput <br> $(\mathbf{P C U} / \mathbf{h r )}$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 711 | 0.000 | 0 | 0.0 | 0.000 | A |
| B-A | 14 | 573 | 0.024 | 14 | 0.0 | 6.433 | A |
| C-AB | 14 | 720 | 0.019 | 14 | 0.0 | 5.099 | A |
| C-A | 8 |  |  | 8 |  |  |  |
| AB | 0 |  |  | 0 |  |  |  |
| AC | 10 |  |  | 10 |  |  |  |

06:30-06:45

| Stream | Total Demand <br> $\mathbf{( P C U / h r})$ | Capacity <br> $(\mathbf{P C U} / \mathbf{h r})$ | $\mathbf{R F C}$ | Throughput <br> $(\mathbf{P C U} / \mathbf{h r )}$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 703 | 0.000 | 0 | 0.0 | 0.000 | A |
| B-A | 29 | 564 | 0.051 | 29 | 0.1 | 6.723 | A |
| C-AB | 29 | 717 | 0.040 | 29 | 0.0 | 5.230 | A |
| C-A | 16 |  |  | 16 |  |  |  |
| AB | 0 |  |  | 0 |  |  |  |
| AC | 20 |  |  | 20 |  |  |  |

06:45-07:00

| Stream | Total Demand <br> $(\mathbf{P C U} / \mathbf{h r})$ | Capacity <br> $(\mathbf{P C U} / \mathbf{h r})$ | RFC | Throughput <br> $(\mathbf{P C U} / \mathbf{h r})$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 587 | 0.000 | 0 | 0.0 | 0.000 | A |
| B-A | 228 | 437 | 0.522 | 224 | 1.0 | 16.603 | C |
| C-AB | 228 | 680 | 0.335 | 226 | 0.5 | 7.901 | A |
| C-A | 130 |  |  | 130 |  |  |  |
| AB | 0 |  |  | 0 |  |  |  |
| AC | 159 |  |  | 159 |  |  |  |

07:00-07:15

| Stream | Total Demand <br> (PCU/hr) | Capacity <br> (PCU/hr) | RFC | Throughput <br> $(\mathbf{P C U} / \mathbf{h r})$ | End queue (PCU) | Delay (s) | Unsignalised <br> level of service |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B-C | 0 | 715 | 0.000 | 0 | 0.0 | 0.000 | A |
| B-A | 3 | 580 | 0.005 | 7 | 0.0 | 6.330 | A |
| C-AB | 3 | 722 | 0.004 | 5 | 0.0 | 5.035 | A |
| C-A | 2 |  |  | 2 |  |  |  |
| AB | 0 |  |  | 0 |  |  |  |
| AC | 2 |  | 2 |  |  |  |  |

## SYST「A

## Appendix E

Accident Data




| Vehicle | Car <br> No tow or articulation |
| :--- | :--- |
| Location | On main carriageway－not in restricted lane <br> Movement <br> Not at，or within 20 metres of junction |
| Vehicle moving from South West to North East <br> Waiting to <br> No so ahead but held p p <br> No sidding，jack－knifing or overturning <br> Did not leave carriageway |  |

WASHINGTON ROAD A1290 NEAR JN WITH DOWNHILL LANE
VEHICLE 1,2 \＆ 3 TRAVELLING NORTHBOUND ON A1290 TOWA



| Description |
| :--- |
| of Location |\(| \begin{aligned} \& Description <br>

\& of Accident\end{aligned}\)
妾
啚器亳
Vehicle 3
Driver $\begin{aligned} & \text { Male，} 41 \\ & \\ & \\ & \\ & \\ & \text { Not requested } \\ & \text { Postcode：} \\ & \\ & \\ & \text { Commuting tolfrom work }\end{aligned}$
C．





$$
\begin{array}{ll}
\text { Vehicle } 1 \\
\text { Driver } \\
\text { Female, 43 } \\
\text { Driver not contacted at time of accident } \\
\text { Postoode: NE28 9sQ } \\
& \text { Commuting to/from work }
\end{array}
$$



| Vehicle | Motorcycle - Unknown cc <br> No tow or articulation |
| :---: | :--- |
| Location | On main carriageway - not in restricted lane <br> Not at, or within 20 metres of junction |
| MovementVehicle moving from South West to North East <br> Going ahead other <br> No skidding, jack-knifing or overturning <br> Did not leave carriageway |  |
| Nota car passenger |  |
| Nota bus or coach passenger |  |

$\left.\begin{array}{ll}\text { Vehicle } & \begin{array}{l}\text { Car } \\ \text { No tow or articulation }\end{array} \\ \text { Location } & \begin{array}{l}\text { On main carriageway - not in restricted lane }\end{array} \\ \text { Approaching junction or watiting/parked at unnction exit }\end{array}\right\}$

9SE9S00



Nota car passenger
Nota bus or coach passenger
Page 9 of 205
Serious Accident
Involving 7 Vehicle, 6 Casualties
Location $\begin{aligned} & \text { South Tyneside } \\ & \text { A } 19\end{aligned}$
434270E, 559640N

そ
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight - Street Lights Present } \\ \text { Fine without high winds }\end{array}\end{array}$

WetIDamp
None
None
None within
No physical
None within 50 metres
No physical crossing facility

Vehicle 2
Dehicle 2
Casualty 1 - Serious
Driver or rider






$$
\begin{array}{ll}
\text { Vehicle } & \begin{array}{l}
\text { Motorcycle over } 50 \text { occ and up to } 125 c \mathrm{c} \\
\text { No tow or articulation }
\end{array} \\
\text { Location } & \begin{array}{l}
\text { On main carriageway - not in restricted lane }
\end{array} \\
& \begin{array}{l}
\text { Not at, or within } 20 \text { metres of junction }
\end{array} \\
\text { Movement } & \begin{array}{l}
\text { Venicle moving from South West to North East } \\
\text { Overtaking stationary vehicle on its offside } \\
\text { No skidding, jacc-knifng or overturning } \\
\text { Did not leave carriageway }
\end{array} \\
\hline \text { Not a car passenger } \\
\text { Not a bus or coach passenger }
\end{array}
$$



A19 NEAR JN WITH A1231
$\begin{array}{ll}\text { Description } & \text { V1 AND V2 BOTH TRAVELLING NORTHBOUND ON THREE LANE CARRIAGEWAY. V2 IN LANE ONE (LEFT LANE), V1 IN LANE TWO } \\ \text { of Accident } & \text { (CENTRE LANE). V1 THEN WHILST ALONGSIDE V2 MOVE INTO LANE ONE COLLIDING WITH V2 CAUSING DAMAGE AND INJURY. V1 } \\ & \text { FAILED TO STOP. }\end{array}$
$=$
0083510



#### Abstract

Slight Accident | Involving 2 Vehicle， 1 Casualty |  |
| :---: | :---: |
| Location | Sunderland |
|  | A 195 |
|  | 431225E，556813N |
| Road | Roundabout |
|  | 60 |
| Conditions | Daylight－Street Lights Present |
|  | Fine without high winds |
|  | Dry |
|  | None |
|  | None |
|  | None within 50 metres |
|  | No physical crossing facility within 50 |

No physical crossing facility within 50 metres Vehicle 1 Driver $\begin{aligned} & \text { Male，} 33 \\ & \text { Not requested }\end{aligned}$  Collisions Hit no other venicle Casualty 1－Slight  Z วリ！リวด Driver $\begin{aligned} & \text { Not traced，} \\ & \text { Driver not contacted at time of acident }\end{aligned}$ 흠 


Page 15 of 205

NISSAN WAY NEAR JN WITH BARMSTON LANE
Descriptionehs trav．ne on nissan way app．JIW barnston Lane，There is a small fllter Lane to turn right at traffic lan LIGHTS，WHILST WAITING AT TRAFFIC LIGHT APP．100TRS FROM LIGHTS AND FILTER LANE，V1 PULLS OUT INTO OPPOSITE LANE

$=$
Destion
of Acciden
0080133



Page 17 of 205
NORTHUMBERLAND WAY A195 AT JN WITH SUNDERLAND HIGHWAY A1231
V1 TRAV. S ON NORTHUMBERLAND WAY, ENTERS R/ABOUT J/W SUNDERLAND HIGHWAY, NEGOTIATING R/ABOUT INTO TO TAKE
3RD EXIT ONTO SUNDERLAND HIGHWAY, V2 TRAV. N/W ON NORTHUMBLRLAND WAY, ENTERS RIABOUT CAUSING V1 TO
SWERVE OTH
3RD EXIT ONTO SUNDERLAND HIGHWAY, V2 TRAV. N/W ON NORTHUMBERLAND WAY, ENTERS R/ABOUT CAUSING V1 TO
SWERVE OUT OF WAY CAUSING RIDER TO FALL FROM V1, RIDER UNSURE IF ANY CONTACT WITH V2, V2 FAILED TO STOP, V1
LEAVES CARRIAGEWAY TO N/S
$=$
$=$
Description
of Accident
0092886

Page 20 of 205
0088672

这

Page 22 of 205
Serious Accident
Involving 4 Vehicle, 2 Casualties $\qquad$ A 1231
$434930 \mathrm{E}, 557441 \mathrm{~N}$
Road $\quad \begin{aligned} & \text { Dual Carriageway } \\ & 70\end{aligned}$
$\begin{array}{ll}\text { Conditions } & \text { Darkness }- \text { Street Lights present and lit } \\ & \text { Fine without high winds } \\ & \text { Dry } \\ & \text { None } \\ & \text { None } \\ & \text { None within } 50 \text { metres } \\ & \text { No physical crossing facility within } 50 \text { metres }\end{array}$

Casualty 1 -Serious
$\begin{array}{ll}\text { Conditions } & \text { Darkness - Street Lights present and lit } \\ & \text { Fine without high winds } \\ & \text { Dry } \\ & \text { None } \\ & \text { None } \\ & \text { None within } 50 \text { metres } \\ & \text { No physical crossing facility within } 50 \text { metres }\end{array}$
Vehicle $1 \quad$ No physical crossing facility within 50 metres
None
Nearside or offside crash barrier

| $\begin{array}{ll}\text { Diver or rider } \\ \text { Mal } \\ \text { MH6 } \\ \text { DDT }\end{array}$ | 39 |
| :--- | :--- |

Casualty 2-Slight

Vehicle 2


Hit no other vehicl
Did not impact
None
None
部

[^0]Description
of Location
Description
of Accident
0090559


 $\begin{array}{ll}\text { Vehicle } & \begin{array}{l}\text { Car } \\ \text { No tow or articulation }\end{array} \\ \text { Location } & \begin{array}{l}\text { On main carriageway－not in restricted lane } \\ \text { Leaving main road }\end{array} \\ \text { Movement } \\ \begin{array}{l}\text { Vehicle moving from East to West } \\ \text { Tumning left } \\ \text { Sikded and overturned } \\ \text { Leff carriageway nearside }\end{array} \\ \text { Not a car passenger } \\ \text { Not a bus or coach passenger }\end{array}$

$\begin{array}{ll}\text { Description } & \text { V1 TRAVELING WEST BOUND ALONG A1231 IN EXCESSIVE SPE } \\ \text { of Accident IT APPEARS THAT THE DRIVER HAS LOST CONTROL IN LANE } 2 \\ \text { CROSING THE CARRIAGEWAY ONTO THE SLIP ROAD HITTING THE GRASS VERGE CAUSING THE VEHICLE TO ROLLA NUMBER }\end{array}$


Vehicle 3
Male， 33
Vehicle 4

Collisions


：
Location
On main carriageway－not in restricted la
Not at，or within 20 metres of junction
Vehicle moving from West to East
Going ahead other
No skidding，jack－knifing or overturning
No skidaing，jack－knifing or leave carriageway
Car
No tow or articulation
Vehicle
Location
$\begin{array}{ll}\text { Driver } & \text { Male，S3 } \\ & \text { Negative } \\ & \text { Postode：SR6 } 8 \mathrm{NF}\end{array}$

音量各

Other
Other
흔 듣

Description BETWEEN A19 ROUNDABOUT AND FERRYBOAT LANE ROUNDABOUT ON A1231 A1231 NEAR JN WITH FERRYBOAT LANE
VEHICLES $1,2,3$, ，AND 4 WERE TRAVELING EASTBOUND ON A1231．APPROXIMATELY 100M EAST OF THE A19 ROUNDABOUT V1，
TRAVELIIG IN LANE 2，LOST CONTROLAND CUTACROSS PATH OF V2 AND COLLIDED WITH THE NEARSIDE BARRIER．V2
 BRAKED SHARPLY TO AVOID A COLLISION AND PULLED INTO THE PATH OF V3（LANE 2）．V3 IN TURN BROKE SHARPLYTOAV
A COLLISION WITH V2．V4 COLLIDED INTO THE REAR OF V3．


| Description |
| :--- |
| of Location |\(| \begin{aligned} \& Description <br>

\& of Accident\end{aligned}\)

Casualty 2 - Slight Vehicte or pilion passenger
Femade
11 Female
DH4 TLW
Vehicle 3

Negalive
Postoode: N E 38 8HQ
Other
Hit no other vehicle
stockley road at jn with horsley road
Description
of Location

$$
1
$$

Collisions


## 0091475

## Slight Accident

Involving 3 Vehicle, 2 Casualties
Location Sunderland

None
None within 50 metres

Vehicle 2
Miver Male, 45

Page 25 of 205

|  | Date/Time | Tuesday |
| :---: | :---: | :---: |
|  |  | 19 April 2016 |
|  |  | 17:40 |
|  | Junction | Not at or within 20 metres of junction |
|  | Contributor Disability o | s, mental or physical (A) |
| Vehicle | Car |  |
|  | No tow or articula |  |
| Location | On main carriag | not in restricted lane |
|  | Not at, or within | res of junction |
| Movement | Vehicle moving fr | rth to South |
|  | Changing lane to |  |
|  | Skidded |  |
|  | Left carriageway |  |
| Not a car pa | assenger |  |
| Not a bus or | coach passenger |  |
| Vehicle | Goods vehicle 7. | es mgw and over |
|  | Articulated Vehic |  |
| Location | On main carriag | not in restricted lane |
|  | Not at, or within | res of junction |
| Movement | Vehicle moving fir | orth to South |
|  | Going ahead oth |  |
|  | No skidding, jack | g or overturning |
|  | Did not leave carr |  |


|  | Date/Time | Monday |
| :---: | :---: | :---: |
|  |  | 15 August 2016 |
|  |  | 19:05 |
|  | Junction | Not at or within 20 metres of junction |
| Contributorv <br> Unfamiliar with model of vehicle (A) |  |  |
| Vehicle | Motorcycle over 500cc |  |
|  | No tow or articulation |  |
| Location | On main carriageway - not in restricted lane |  |
|  | Not at, or within 20 metres of junction |  |
| Movement | Vehicle moving from East to West |  |
|  | Going ahead left hand bend |  |
|  | No skidding, jack-knifing or overturning |  |
|  | Did not leave carriageway |  |
| Nota car passenger |  |  |
| Nota bus or coach passenger |  |  |
| Vehicle | Goods Vehicle - Unknown Weight |  |
|  | Articulated Vehicle |  |
| Location | On main carriageway - not in restricted lane |  |
|  | Not at, or within | res of junction |
| Movement | Vehicle moving from West to East |  |
|  | Going ahead right hand bend |  |
|  | No skidding, jack-knifing or overturning |  |
|  | Did not leave carriageway |  |

V1 HEADING SOUTHBOUND IN LANE 1 OF THE A19 HEADING TOWARDS THE OFFSLIP FOR THE A1231. AS V1 PASSES OFFSLIP V1

$=$
$\qquad$

GLover road a 1290 At Jj with mental business park
VEHICLE 1 WAS ON GLOVER ROAD IN WASHINGTON AND TURNING RIGHT INTO BENTALL BUSINESS PARK VEHICLE 2 WAS
Description
of Location
Description
of Accident

0121909



Front seat passenger
Not a bus or coach passenger
Page 33 of 205

Slight Accident
Involving 2 Vehicle, 2 Casualties

$$
\begin{array}{ll}
\text { Location } & \begin{array}{l}
\text { Sunderland } \\
\text { A } 1290
\end{array}
\end{array}
$$

431612E, 557564N
Single Carriageway
Road

None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
$\begin{array}{ll}\text { Driver } & \text { Female, } 20 \\ & \text { Not requested }\end{array}$
y $\exists 8$ LLHO :2poolsod
ot known
Nearside
None
None
Casualty 1 - Slight
$\begin{array}{ll}\text { Driver or rider } \\ \text { Female } & 20\end{array}$
Vehicle 2
Driver $\begin{array}{ll} & \text { Male, } 24 \\ & \text { Not requested } \\ & \text { Postcode: NE } 38\end{array}$
Postcode: NE 38 8HQ
Collisions $\begin{aligned} & \text { Hit no other vehicle } \\ & \\ & \text { Front }\end{aligned}$
훈 흘
Casualty 2 - Slight


[^1]

Slight Accident
Involving 2 Vehicle， 2 Casualties
Location Sunderland

Road $\begin{aligned} & \text { 435002E，557603N } \\ & \text { Single Carriageway }\end{aligned}$
Road
Conditions
Conditions $\begin{aligned} & \text { Dayight－Street Lights Present } \\ & \text { Fine without thigh winds }\end{aligned}$
Fine without thigh winds
Wevomap
None
None within 50 metres
No physical crossing facil
No physical crossing facility within 50 metres
Vehicle 1
Yenicle 1
$\begin{array}{ll}\text { Driver } & \text { Male，} 36 \\ & \text { Driver not contacted at time of accident } \\ & \text { Postcode：TS25 5DU }\end{array}$
Postodede：TS225 50 U
Journey as pat of work
Collisions Hit no other vehicle
畄膏亳
8
Vehicle 2
Driver Female， $50 \begin{aligned} & \text { Driver not contacted at time of accident }\end{aligned}$
Driver not con
Postcode：SR4 7 HH Offisde
None
None
Casualty 1－Slight

Female 50
Not a car passenger
Not a bus or coach passenger


\(\left.$$
\begin{array}{ll}\text { Vehicle } & \begin{array}{l}\text { Car } \\
\text { No tow or articulation }\end{array} \\
\text { Location } & \begin{array}{l}\text { On main carriageway - not in restricted lane }\end{array}
$$ <br>

\& Not at, or within 20 metres of junction\end{array}\right\}\)| Vehicle moving from West to West |
| :--- |
| Going ahead other |
| No skidding, jack-knifing or overturning |
| Did not leave carriageway |

Slight Accident
Involving 2 Vehicle, 1 Casualty

Vehicle 2
Notreques SR5 4LL
Postcode:
Driver $\begin{array}{ll}\text { Male, } 32 \\ & \text { Not requested } \\ & \text { Postcode: SR5 }\end{array}$
Journey as part of work
Nearside
Kerb
None
Casualty 1 - Slight
Not a car passenger
Not a bus or coach passenger
Page 37 of 205
DOWNHILL LANE A1290 AT JN WITH WASHINGTON ROAD A19
VEHICLE 1 WAS TRAVELING EAST ALONG DOWNHILL LANE AFTER TURNING OFF THE A19. AS SHE CAME TO THE TRAFFIC
LIGHTS ON DOWNHILL LANE JUST BEFORE JUNCTION WITH WASHINGTON ROAD THE LIGHTS WERE GREEN SHE WAS DRIVING AT
AROUND 3OMPH AND THE LIGHTS WERE GREEN. JUST AS SHE WAS GOING THROUGH LIGHTS A CYCLIST HAS APPEARED FROM LIGHTS ON DOWNHILL LANE JUST BEFORE JUNCTION WITH WASHINGTON ROAD THE LIGHTS WERE GREEN SHE WAS DRIVING A HER RIGHT HE HAS SKIDDED AND HIT THE DRIVERSIDE OF HER VEHICLE CAUSING CYCLIST TO FALLOFF. Description ofLocation
Descripion
offccilent

## 0140876

Slight Accident
Involving 2 Vehicle, 1 Casualty




| Vehicle | Goods Vehicle - Unknown Weight <br> No tow or articulation |
| :---: | :--- |
| Location | On main carriageway - not in restricted lane <br> Movement at, or within 20 metres of junction |
| Vehicle moving from West to East <br> Slowing or stopping <br> No skidding, jack-knifing or overturning <br> Did not leave carriageway |  |


Slight Accident

No physical crossing facility within 50 metres
Vehicle 1
Driver Male, 40
Postcode: S49 1 HQ
Journey as part of work

Vehicle 2
Driver Male, 45 -

등
Casualty 1-Slight



O

Contributory
Failed to look pro




Not a car passenger
Not a bus or coach passenger
Page 43 of 205

Slight Accident
Involving 2 Vehicle, 1 Casualty

$$
\begin{array}{ll}
\text { Location } & \begin{array}{l}
\text { Sunderenand } \\
\text { A19 }
\end{array}
\end{array}
$$

$\begin{array}{ll} & \text { A } 19 \\ & 434711 \mathrm{E}, 557355 \mathrm{~N} \\ & \text { Roundabout }\end{array}$
Roundabout
30


None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
$\begin{array}{ll}\text { Driver } & \text { Female, } 23 \\ & \text { Driver not contacted at time of accident }\end{array}$
Postcode: NE15 8NE
Collisions $\begin{array}{ll}\text { Hit no other vehicle } \\ & \text { Front }\end{array}$
든 $\stackrel{\unrhd}{c} \stackrel{\otimes}{\Sigma}$
Vehicle 2
Vehicle 2
$\begin{array}{ll}\text { Driver } & \text { Female, } 24 \\ & \text { Driver not contacted at time of accident } \\ & \text { Postcode: NE5 2AQ }\end{array}$
童
Hit no
Back
None
Casualty 1 - Slight
$\substack{\text { Diveo or rider } \\ \text { Female }}$
24
 $\begin{array}{cl}\text { Vehicle } & \begin{array}{l}\text { Car } \\ \text { No tow or articulation }\end{array} \\ \text { Location } & \begin{array}{l}\text { On main carriageway - not in restricted lane }\end{array} \\ \text { Mot at, or within } 20 \text { metres of junction }\end{array}$
Slight Accident
Involving 2 Vehicle, 2 Casualties Location
Road



|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ジ๊ | 플 0 0 |  | $\begin{aligned} & \text { y } \\ & \\ & \\ & y \end{aligned}$ |  |


| Vehicle | Car <br> No tow or articulation |
| :---: | :--- |
| Location | On main carriageway - not in restricted lane <br> Not at, or within 20 metres of junction |
| Movement | Vehicle moving from North to South <br> Going ahead other <br> No skidding, jack-knifing or overturning <br> Did not leave carriageway |


a car passenger
a bus or coach passenger
Page 48 of 205

Not a car passenger
Not a bus or coach passenger
Page 50 of 205

 $\begin{array}{ll}\text { Casualty } \\ \begin{array}{l}\text { Driver or rider } \\ \text { Male }\end{array} & 63\end{array}$
0173754

Page 52 of 205


| Vehicle | Motorcycle 50 cc and Under <br> No tow or articulation |
| :--- | :--- |
| Location | On main carriageway - not in restricted lane |
| Not at, or within 20 metres of junction |  |$|$| Vehicle moving from South to North |
| :--- |
| Going ahead other |
| No skidding, jack-knifing or overtuming |
| Left carriageway nearside |

Page 54 of 205
Serious Accident
Involving 2 Vehicle, 1 Casualty

434825E, 557810N
емәбепиеэ әби!
Daylight-Street Lights Present
Fine without high winds
Dry
None
None
None within 50 metres
No physical cosssing facility within 5
Vehicle $1 \quad$ No physical crossing facility within 50 metres
Driver Female, 49
Negative
Postcode: SR5 4JZ


Vehicle 2
Casualty 1 -Serious

Nogativede: SR5 3HL 읃 言
Driver Male, 16
Collisions
0185727


Page 56 of 205

Slight Accident

Vehicle 1
$\begin{array}{ll}\text { Driver } & \text { Male, } 31 \\ & \begin{array}{ll}31 \\ & \text { Driver not contacted at time of accident }\end{array}\end{array}$

Collisions Hit no other vehicle
Casualty 1 - Slight
Vehicle or pillion passenger
Male
54
Male
NE36 2DN
Description VERMONTA1290 AT JN WITH NORTHUMBERLAND WAY A195
$\begin{array}{ll}\text { Description } & \text { VEH } 1 \text { TRAV. EAST ALONG VERMONT, STOPS AT ROUNDABOUT JJW NORTHUMBERLAND WAY, DRIVER RELEASES HANDBRAKE } \\ \text { of Accident } & \text { AND MOVES OFF WHEN ROAD CLEAR, ENTERING ROUNDABOUT, PASSENGER ON VEH } 1 \text { HAD STOOD UP WHEN VEH } 1 \text { WAS } \\ & \text { STATIONARY, WHEN VEH } 1 \text { MOVED OFF PASSENGER LOST FOOTING, FALLING DOWN THE STAIRS CAUSING INUURY }\end{array}$
SUNDERLAND HIGHWAY A1231 AT JN WITH NORTHUMBERLAND WAY A195
Description VEHICLE 1 STATIONARY, JUNCTION HERTBURN INDUSTRIAL ESTATE WITH THE SLIP ROADA 195 ROUNDABOUT. VEHICLE 1 DOES NOT SEE VEHICLE $2 \mathbb{I N}$ LANE 2 TRAVELLING EAST ALONG THE SLIP ROAD HEADING TOWARDS
INTERCHANGE. VEHICLE 1 PULLS OUT INTO LANE 2 OF THE SLIP ROAD CAUSING COLIIION
Descripition
of Location
Descripion
of Accident
0207599

None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
$\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male, } 68 \\ \text { Negative } \\ \text { Postode: }\end{array} \\ & \text { Not known } \\ \text { Collisions } & \text { Hit no } \\ & \text { Front } \\ & \text { None } \\ & \text { None }\end{array}$
Slight Accident
Involving 2 Vehicle, 1 Casualty

$$
\begin{array}{ll}
\text { Location } & \begin{array}{l}
\text { Sunderland } \\
\text { A } 1231
\end{array}
\end{array}
$$

431095E, 556907N
Slip Road
$0 /$
peoy dils
Daylight- Street Lights Prese
Fine without high winds

Road
Conditions
Conditions


Vehicle 2
Driver Male, 45

Nota car passenger
Nota bus or coach passenger
Page 59 of 205
SUNDERLAND HIGHWAY A1231 AT JN WITH A19 ONSLIP A19
VEHS TRAV. SOUTH WEST ON SUNDERLAND HIGHWAY, VEH 1 CHANGES LANE TO RIGHT, FAILING TO SEE VEH 2 , VEH 1
Descripition
of Location
Descripion
of Accident
0210917



| Vehicle | Car <br> No tow or articulation |
| :--- | :--- |
| Location | On main carriageway - not in restricted lane <br> Movement |
|  | Mid junction - on roundabout or on main road <br> Venicle moving from North East to South West <br> Going ahead other |
|  | No skidding, jack-knifing or overturning <br> Did not leave carriageway |


|  | A 1231 <br> Road <br> 434526E, 557247N |
| :--- | :--- |
| Conditions | Dual Carriageway <br> 70 |
|  | Daylight - Street Lights Present <br> Fine without high winds |
|  | Dry |
|  | None |
|  | None |
|  | None within 50 metres |
|  | No physical crossing facility within 50 metres |

No physical crossing facility within 50 metres





V2 TRAVELLING SOUTH ON A195 NEGOTIATING ROUNDABOUT JUNCTION. V1 TRAVELLING WEST FAILS TO GIVE WAY TO V2


0209975


Not a car passenger
Not a bus or coach passenger
Page 63 of 205

WASHINGTON ROAD A1290 AT JJ WITH FOLLINGSBY LANE
VEL 1 APPROACHING JUNCTION OF FOLLINGSBY LANE \＆A1290 WASHINGTON ROAD，WHEN VEL 1 LOOKS RIGHT，LOOKS LEFT


## 0213512


Slight Accident
Involving 2 Vehicle， 2 Casualties

$$
\begin{array}{ll}
\text { Location } & \begin{array}{l}
\text { Sunderland } \\
\text { A } 1290
\end{array} \\
\hline
\end{array}
$$

nam

Vehicle 1
言旁亳
Casualty 1 －Slight
Driver Male， 21
Postcode：NE 15 8TB
Collisions Hit no other vehicle
Vehicle 2
Casualty 2－Slight
$\substack{\text { Font } \\ \text { None } \\ \text { None }}$




| Vehicle | Motorcycle over 500 cc <br> No tow or articulation |
| :--- | :--- |
| Location | On main carriageway－not in restricted lane <br> Mid junction－on roundabout or on main road |
| Movement | Vehicle moving from South to North <br> Going ahead other <br> No skidding，jack－knifing or overturning <br> Did not leave carriageway |



Road


部高皆皆
None
None within
No physical
None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
Driver Female， 51
Postcode：NE33 2SS
$\begin{array}{ll}\text { Collisions } & \text { Hit no other vehicle } \\ & \text { Front }\end{array}$
든 $\stackrel{\unrhd}{c} \stackrel{\otimes}{\Sigma}$
Vehicle 2
Driver Male， 46
Male， 46
Driver not contacted at time of accident
Postcode：SR4 9SA
Other
Driver Offsid
None
None
Collisions Hit no other vehicle
Casualty 1 －Slight
${ }^{\circ}$


VEH2 WAS STATIONERY AT THE JUNCTION OF THE A1231 AND THE A195 WHEN VEH1 FOR UNKNOWN REASONS COLLIDED WITH

of Location
Description
of Accident

0222469





Not a car passenger
Not a bus or coach passenger
Page 69 of 205

Slight Accident
Involving 2 Vehicle， 1 Casualty
Location $\begin{aligned} & \text { Sunderland } \\ & \text { A } 1231\end{aligned}$
$431217 \mathrm{E}, 556911 \mathrm{~N}$
Slip Road
Road Slip Road
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight－Street Lights Present } \\ \text { Fine without high winds }\end{array}\end{array}$
言童皆
None
None with
No physic
None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
$\begin{array}{ll}\text { Driver } & \text { Not traced，} \\ & \text { Driver not contacted at time of accident }\end{array}$



Vehicle 2
Driver $\begin{array}{ll}\text { Female，} 26 \\ & \text { Driver not contacted at time of accident }\end{array}$
Diver not con
ostcode：
ommuting to／from work

| Back |
| :---: |
| Noner |
| Norene |



|  | Casualty 2－Slight |  |
| :---: | :---: | :---: |
|  | Venicle or iflion passenger | Front seat passenger |
|  | $\begin{aligned} & \text { Male } \\ & \text { NE33 1SB } \end{aligned}$ | Nota bus or coach passenger |
| Description | A1231 AT J J WITH WASHINGTON A 195 |  |
| of Location |  |  |
| Description of Accident | V2 WAS TRAVELLING WEST ON A1231 COLLIDED INTO THE REAR CAUSING D HAVE BEEN AS ARESULT OF A MINOR | ED ON SLIP WITH A195．V2 HAS THEN BEEN STATIONARY AT RAB WHEN V1 HAS AND WHIPLASH TYPE INJURY TO BOTH OCCUPANTS OF V2．THIS APPEARS TO CONCENTRATON ON BEHALF OFTHE DRVER OF Vi． |

0235104


Page 71 of 205
Slight Accident
Involving 2 Vehicle， 2 Casualties
Location $\begin{aligned} & \text { Sunderland } \\ & \text { A } 1231\end{aligned}$
Road $\quad \begin{aligned} & \text { 431362E，556827N } \\ & \text { Slip Road }\end{aligned}$

No physical crossing facility within 50 metres

Vehicle 2
$\begin{array}{ll}\text { Driver } & \text { Male，} 26 \\ & \text { Driver not contacted at time of accident } \\ & \text { Postcode：} \mathrm{NE} 34 \mathrm{G} \mathrm{HS}\end{array}$
Postcode：NE 346 HS
Journey as part of work
Collisions Hit no other vehicle

Not a car passenger
Not a bus or coach passenger

| Casualty 1 －Slight |
| :--- |
| $\begin{array}{l}\text { Drive or rider } \\ \text { Male }\end{array}$ |
| 26 |

${ }_{\text {NE } 34}$ 6HS



SUNDERLAND HIGHWAY AT JN WITH PATTINSON ROAD
Description
of Location
Description
of Accident

 V2. BOTH DRIVERS HAVE STOPPED AT SCENE AND EXCHANGED D $\qquad$





Not a car passenger
Not a bus or coach passenger
Page 77 of 205

Slight Accident
Involving 2 Vehicle, 1 Casualty
Location
nem
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight } \text {-Street Lights Present } \\ \text { Fine withouthigh winds }\end{array} \\ & \text { Dy }\end{array}$
Dry
None
None
None
None with
No physical
None within 50 metres
No physical crossing facility within 50 metres


Vehicle 1
Vehicle 2
$\begin{array}{ll}\text { Driver } & \text { Male, } 46 \\ & \text { Driver not contacted at time of accident } \\ & \text { Postcode: SR7 8JE }\end{array}$ Postoode: SR7 8JE
t known
Back
None
Casualty 1 -Slight
${ }^{\circ}$
$=$
Description
of Accident

## 0247272



Not a car passenger
Not a bus or coach passenger
Page 79 of 205

Vehicle 2 Driver Female, 28

Driver $\begin{aligned} & \text { Female, } 28 \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \text { Negative }\end{aligned}$
高
Hit no
Back
None
Casualty 1-Slight











| Not a car passenger |
| :--- |
| Not a bus or coach passenger |

Vehicle $\quad$| Car |
| :--- |
| No tow or articulation |

Location $\quad$ On main carriageway | Vehicle | $\begin{array}{l}\text { Car } \\ \text { No tow or articulation }\end{array}$ |
| :---: | :--- |
| Location | $\begin{array}{l}\text { On main carriageway - not in restricted lane } \\ \text { Cleared junction or waiting/parked at junction exit }\end{array}$ |
| Movement | $\begin{array}{l}\text { Vehicle moving from South to North } \\ \text { Moving off } \\ \text { No skidding, jack-knifing or overturning } \\ \text { Did not leave carriageway }\end{array}$ |


0252877


| Vehicle | Car <br> No tow or articulation |
| :--- | :--- |
| Location | On main carriageway - not in restricted lane <br> Approaching junction or waiting/parked at junction exit |
| Movement | Vehicle moving from West to South <br> Turning left <br> Skidded <br> Left carriageway straight ahead at junction |
| Nota car passenger |  |
| Nota bus or coach passenger |  |

$\begin{array}{ll}\text { Description } & \text { VEHICLE } 1 \text { TURNNG LEFT OFF THE A1290 INTO THE NISSAN FACTORY WHEN DUE TO SNOWICE ON THE ROAD IT HAS LOST } \\ \text { of Accident }\end{array} \quad$ CONTROLAND GONE STRAIGHT AHEAD AT THE JUNCTION COLLIDIG WITH A LAMP POST. MINOR INJURY TO DRIVER ONLY
Page 81 of 205
0257036

Page 84 of 205
HORSLEY ROAD/SPIRE ROAD, UNDERA1231
Description CONFLICTING REPORTS HOWEVER THE JUNCTION IS A. NOTORIOUSLY DIFFICULT ONE. TRAVELING WEST OFF THEA1231 YOU of Accident
DROP DOWN THE SLIP ROAD, CYCLIST WAS THEN TURNING NORTH (RIGHT) WHEN HE HAS COLLIEED WITH A CAR ALREADY
TRAVELLING NORTH. BOTH BLAME EACH OTHER BUT VEHICLE HAD RIGHT OF WAY AND LOOKING AT POINT OF IMPACT IT TRAVELLING NORTH. BOTH BLAME EACH OTHER BUT VEHICLE HAD RIGHT OF WAY AND LOOKING AT POINT OF IMPACT IT
APPEARS THE CYCLIST HAS PULLED OUT TOO EARLY FOLLOWING ANOTHER CAR AND HIT THE REAR END OF THE NISSAN
Description
of Location
Page 86 of 205

$$
\begin{array}{ll}
\text { Date/Time } & \begin{array}{l}
\text { Tuesday } \\
\\
\\
\\
\\
\text { 20 February 2018 } \\
\text { I7:20 }
\end{array} \\
\text { Junction } & \begin{array}{l}
\text { Roundabout } \\
\\
\\
\\
\\
\text { Automatic traffic signal } \\
\text { A 19 }
\end{array} \\
\text { Contributory } \\
\text { Faied took properly (A) } \\
\text { Vehicle blind spot (A) } \\
\text { Poor turn or manoeuvre (A) }
\end{array}
$$


Motorcycle over 500 cc
No tow or articulation
On main carriageway -On main carriageway - not in restricted lane
Approaching junction or waiting/parked at junction exitAppricle moving from West to East
Overtaking on nerride
Overtaking on nearside
No skidding, jack-knifing or overturning
Did not leave carriageway
Vehicle
Location Movement
Not a car passenger
Not a bus or coach passenger

0260591

| Slight Accident |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Involving 2 Vehicle, 2 Casualties |  |  |  |  |  |
| Location |  | Sunderland |  | Date/Time | Monday |
|  |  | A 1231$431558 \mathrm{E}, 556858 \mathrm{~N}$ |  |  | 15 January 2018 |
|  |  | 17:28 |  |
| Road |  |  |  | Dual Carriageway |  | Junction | Not at or within 20 metres of junction |
|  |  | 70 |  |  |  |  |
| Conditions |  | Darkness - Street Lights present and lit |  | Contributorv <br> Failed to judge other person's path or speed (A) Failed to look properly (B) |  |  |  |
|  |  | Fine without high windsDry |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | None |  |  |  |  |  |
|  |  | None |  |  |  |  |  |
|  |  | None within 50 metres |  |  |  |  |  |
|  |  | No physical crossing fac |  |  |  |  |  |
| Vehicle 1 |  |  |  |  |  |  |  |
| Driver | Male, 47 |  | Vehicle | Car |  |  |  |
|  | Negative |  |  | No tow or articulation |  |  |  |
|  | Postcode: SR3 2UA |  | Location | On main carriageway - not in restricted lane |  |  |  |
|  | Commuting toffrom work |  | Locaion | Not at, or within 20 metres of junction |  |  |  |
| Collisions | Hit no other vehicle |  | Movement | Vehicle moving from West to East |  |  |  |
|  | Front |  |  | Going ahead other |  |  |  |
|  |  |  |  | No skidding, jack | $g$ or overturning |  |  |
|  |  |  |  | Did not leave carriageway |  |  |  |
|  | Casualty 2 - Slight |  |  |  |  |  |  |
|  | Driver or rider |  | Not a car passengerNot a bus or coach passenger |  |  |  |  |
|  | ${ }_{\text {SR3 }}$ MUA ${ }^{\text {Male }}$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Vehicle 2 |  |  |  |  |  |  |  |
| Driver | Female, 24 |  | Vehicle | Car |  |  |  |
|  | Negative |  |  | No tow or articulation |  |  |  |
|  | Postcode: NE34 OPD |  | Location | On main carriageway - not in restricted lane |  |  |  |
|  | Other |  | Lȧı | Not at, or within 20 metres of junction |  |  |  |
| Collision | s Hit no other vehicle |  | Movement | Vehicle moving from West to East |  |  |  |
|  | Back |  |  | Slowing or stopping |  |  |  |
|  |  |  | Did not leave carriageway |  |  |  |
|  | None |  |  |  |  |  |  |  |
|  | Casualty 1 - Slight |  |  |  |  |  |  |
|  | Driver or rider |  | Not a car passenger |  |  |  |  |
|  | FemaleNE34 OPD |  | Nota bus or coach passenger |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |


| Slight Accident |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Involving 3 Vehicle, 1 Casualty |  |  |  |  |  |
| Location |  | Sunderland |  | Date/Time | Tuesday |
|  |  | A 1231 |  |  | 27 February 2018 |
|  |  | 431985E, 556877 |  |  | 18:00 |
| Road |  | Dual Carriageway |  | Junction | Not at or within 20 metres of junction |
|  |  | 70 |  |  |  |
| Conditions |  | Darkness - Street Lights pre | Contributorv <br> Slippery road (due to weather) (A) Travelling too fast for conditions (B) |  |  |
|  |  | Snowing with high winds |  |  |  |
|  |  | Snow |  |  |  |
|  |  | None |  |  |  |
|  |  | None |  |  |  |
|  |  | None within 50 metres |  |  |  |
|  |  | No physical crossing facility |  |  |  |
| Vehicle 1 |  |  |  |  |  |
| Driver | Female, <br> Driver not contacted at time of acciden |  | Vehicle | Car |  |
|  |  |  | No tow or articula |  |
|  | Postoode: |  |  |  | On main carriage | not in restricted lane |
|  | Not kno |  | Location | Onmaincalag | , |
|  |  |  |  | Not at, or within | res of junction |
| Collisions | s Hit no other vehicle |  | Movement | Vehicle moving from West to East |  |
|  | Did not impact |  |  | Slowing or stopping |  |
|  |  |  | No skidding, jack | g or overtuming |
|  | None |  |  | Did not leave carriageway |  |
|  | Non |  |  |  |  |
| Vehicle 2 |  |  |  |  |  |
| Driver | Male, 38 |  |  | Vehicle | Car |  |
|  | Driver not contacted at time of accident |  | No tow or articulation |  |
|  | Postoode: SR6 9TB |  | Location |  | On main carriageway - not in restricted lane |  |
|  | Other |  | Locas |  |  |
|  |  |  |  | Not at, or within 20 metres of junction |  |
| Collision | s Hit no other vehicle |  | Movement | Vehicle moving from West to East |  |
|  | Back |  |  | Changing lane to right |  |
|  |  |  |  |  |  |
|  | None |  |  | Did not leave carriageway |  |
|  | Casualty 1 - Slight |  |  |  |  |
|  | Vehicle or pillion passenger |  | Front seat passenger <br> Not a bus or coach passenger |  |  |
|  |  | emale 46 |  |  |  |  |  |
|  |  | R6 9тв |  |  |  |

0271718

Page 92 of 205

DOWNHILL LANE AT JN WITH WASHINGTON ROAD
Serious Accident
Involving 1 Vehicle, 1 Casualty
Location $\begin{gathered}\text { Sunderand } \\ \text { A } 1231\end{gathered}$
A 1231
$434857 \mathrm{E}, 557386 \mathrm{~N}$
Dual Carriageway
Road $\quad \begin{aligned} & \text { Dual Carriageway } \\ & 70\end{aligned}$
Road
Conditions


Nowamp
None
None
None within 50 metres
No physical crossing facility within 50 metres
Vencict 1
pirien nam
sonsens mis
Collisions Hit no other vehicle

Casualty 1 - Serious
Vehicle or pillion passenger
$\begin{array}{lc}\text { Vehicle or pillion passenger } \\ \text { Male } & 19 \\ \text { SR5 5LE } & \end{array}$
A1231 NEAR JN WITH A19
$\equiv$

V2 WAS TRAVELLING SOUTH ALONG A195 TOWARDS THE VERMONT ROUNDABOUT WHERE THEY WERE TURNING RIGHT ONTO TOWARDS CONCORD. THEY DO NOT STOP OR LOOK AT THE TRAFFIC BEFORE CROSSING. V2 IS TRAVELLING SLOWLY
$\left.\begin{aligned} & \text { Description } \\ & \text { of Location }\end{aligned} \right\rvert\, \begin{aligned} & \text { Description } \\ & \text { of Accident }\end{aligned}$
0259217



Page 95 of 205

| Description <br> of Location | N/A GLOVER ROAD A1290 AT JN WITH BENTNALL BUSINESS PARK |
| :--- | :--- |
|  |  |
| Description | V2 TRAVELLING EAST ALONG GLOVER ROAD AND V1 TURNS RIGHT OUT OF BUISNESS PARK ENTRANCE WHILST V2 UNSIGHTED |
| of Accident | BEHIND CAR INFROM. V2 COLLIDES ONTO OFFSIDE FRONT DRIVERS DOOR PANALE CAUSING DAMAGE AND MINOR INURY TO |


Slight Accident
Involving 2 Vehicle, 1 Casualty
None within 50 metres
No physical crossing facility within 50 metres
Road
Conditions

Postoode: SR5 1LL
Commuting tolfrom work
Collisions Hit no other vehicle
든 은
Vehicle 2
Driver Male, 47
Negative
Postcode: NE28 9NT
ourney as part of work
None
None
Casualty 1-Slight
Not a car passenger
Not a bus or coach passenger
Page 97 of 205
Slight Accident
$\begin{array}{ll}\text { Date/Time } & \begin{array}{l}\text { Sunday } \\ \text { 29 April } 2018 \\ 17: 15\end{array} \\ \text { Sunction } & \text { Not at or within } 20 \text { metres of junction } \\ \text { Contributorv } \\ \text { Impaired by alcohol (A) }\end{array}$

Vehicle 2


Slight Accident

I วั!บวด
Driver Male, 40
ostcode: NE22 7EF
$\begin{array}{ll}\text { Collisions } & \text { Hit no other vehicle } \\ & \text { Front } \\ & \text { None }\end{array}$ $\stackrel{\circ}{5} \stackrel{0}{5}$




Not a car passenger
Not a bus or coach passenger
SR5 4EA
0288186
Involving 1 Vehicle, 3 Casualties
A 19
$434721 \mathrm{E}, 557000 \mathrm{~N}$
Road Dual Cariageway
-
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight - Street Lights Present } \\ \text { Fine without high winds }\end{array}\end{array}$

None within 50 metres
No physical crossing faci
No physical crossing facility within 50 metres Location
Vehicle 1
Driver Female, 43
Positive
Postcode: NE10 8WJ
?
Collisions Hit no other vehicle
Front
None
None
Casualty 1 - Slight
Driver or rider
Female
Casualty 3-Slight
Vehicle or pillion passenger
Rear seat passenger
Not a bus or coach passenger
Rear seat passenger
Nota bus or coach passenger
Not a car passenger
Not a bus or coach passenger

Description SUNDERLAND BY PASS A19 NEAR JN WITH WASHINGTON HIGHWAY A1231
V1 TRAVELLING NORTHBOUND. V1 LOSES CONTROL, COLLIDES WITH CENTRAL BARRIER BEFORE REBOUNDING AND COLLIDING
WITH NEARSIDE BARRIER. V1 THEN COMES TO REST IN CARRIAGEWAY. DRIVER OF V1 FOUND TO BE INTOXICATED AND OVER
Casualty 2 - Slight Vehicle or pillion passenger
Female $\quad 7$
NE10 8WJ
Description
of Location
Page 99 of 205
0307274


[^2] A19. BOTHVEHLCLES
LIGHT. VEHICEL 2 HS STARTED TO MOVE OFF AND VEHICLE 1 HAS COLLIDED WITP THE REAR OF VEHICLE 2 CAUSING DAMAGE
TO BOTH VEHCLES AND INUURY O DRIVER 2. BOTH DRIVERS HAVE STOPPED AND EXCHANGED DETALS, DIVER 1 TAKING DRIVER
N
0310556


Description 8) THE CYCLIST V1 WAS TRAVELLING ON THE FOOTPATH PERPENDICULAR TO THE ROAD, HEADED FROM MCCDONALDS TO BALMSTON VLLLAGE. HE WAS TEMPORARLLY BLINDED BY THE SUN AND FALED TO STOP. HE HAS CYCLED ONTO THE R
AND WAS STRUCK BY VEHICLE 2 AT ALOW SPEED. HE HAS GONE ON TO THE BONNET AND THEN ON TO THE FLOOR.
Description
of Location



Casualty 3-Slight
Lover road A1290
$\begin{array}{ll}\text { Description } & \text { APPARENTLL V2 I TRAVELING SOUTH ON THE A195 NORTHUMBERLAND ROAD, WASHINGTON. AS ITENTERS THE } \\ \text { of Accident } & \text { ROUNDABOUT WITH GLLVER ROAD V1 ENTER THE ROUNDABBUTAND FALLS TG GIE WAY TO V WHICH IS ESTABLISHED ON } \\ & \text { THE ROUNDABOUT AND HAS PRIORITY. V1 COLLIDES WITH THE MID NEAR SIDE (PASSENGER SIDE) CAUSING V2 TO SPIN INTO } \\ & \text { STREET FURNITURE. }\end{array}$ STREET FURNITURE.

Description
of Location
0322212

0321722

0327534


范


Not a car passenger
Not a bus or coach passenger


## Slight Accident

Involving 2 Vehicle, 2 Casualties

None within 50 metres
No physical crossing faciility within 50 metres

## Vehicle 1 <br> $\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male, } 33 \\ \text { Driver not contacted at time of accident }\end{array} \\ & \end{array}$ <br> Drver not con Postode: Not known <br> 


Vehicle 2
$\begin{array}{ll}\text { Driver } & \text { Male, } 24 \\ & \text { Driver not contacted at time of accident }\end{array}$

Collisions
Casualty 1-Slight
Male
NE 371 1BW
0286670

Casualty 2 - Slight
Vehicle or pillion passenger
$\begin{aligned} & \text { Female } \\ & \text { NE37 1UY }\end{aligned} \quad 23$
Front seat passenger
Not a bus or coach passenger
MCDONALDS SPIRE ROAD NEAR JN WITH BARMSTON WAY

Description
of Location
of Location
Description
of Accident

Vehicle 3
Driver Male, 45
Male, 45
Negative
Postode:
Negtode: SR7 8 JW
Commuting tolfrom work Driver

药 $\underset{\substack{\text { Beat } \\ \text { nome } \\ \text { None }}}{\text { and }}$

Casualty 3-Slight Driver or rider
Male

| Male |
| :--- |
| SR7 |
| sJw |

Vehicle 4
Postcode: NE31 2EA
Journey as part of work Collisions Hit no other vehicle言
Description A1290 AT JN WITH CHERRY BLOSSOM WAY

Description
of Location
Description VEHICLE 3 HAD TRAVELLED EAST ON THE A1290 AND WAS WAITING TO TURN RIGHT ONTO CHERRY BLOSSOM WAY, BUT WAS
of Accident $\quad$ HELD UP BY ONCOMING VEHICLES. VEHICLE 2 HAD ALSO TRAVELLLD EASTALONG THE A1 290 AND WAS STATIONARY BEHIND
 THE OPPOSING LANE IN FRONT OF VEHICLE 4 THAT WAS TRAVELING WESTALONG THE


Page 115 of 205



0271514


慈
Contributorv

##  <br>  <br>  <br> Movement

None within 50 metres
No physical crossing facility within 50 metres

suо!!pиoд
Involving 2 Vehicle, 1 Casualty
Location $\begin{aligned} & \text { Sunderand } \\ & \text { A 1290 } \\ & 433956.59377 \mathrm{~N}\end{aligned}$
$\begin{array}{ll} & \text { 433938E, 559377N } \\ \text { Road } & \begin{array}{l}\text { Single Carriageway } \\ 60\end{array}\end{array}$
Conditions $\begin{aligned} & \text { Daylight - Street Lights Present } \\ & \text { Unknown }\end{aligned}$
$\stackrel{\square}{1} \frac{\stackrel{\rightharpoonup}{2}}{2}$
None
None
None wit
Non
$\begin{array}{ll}\text { Vehicle } 2 \\ \text { Driver } & \begin{array}{l}\text { Male, } 37 \\ \\ \text { Not requested } \\ \\ \\ \text { Postcode: NE28 8EG } \\ \text { Not known }\end{array} \\ \text { Collisions } & \begin{array}{l}\text { Hit no other vehicle } \\ \\ \\ \\ \\ \\ \\ \text { Back } \\ \text { None } \\ \text { None }\end{array}\end{array}$
Casualty 1 - Slight


$$
\begin{aligned}
& \text { Vehicle } \\
& \text { Location } \\
& \text { Movement }
\end{aligned}
$$



$$
\begin{aligned}
& \text { Not a car passenger } \\
& \text { Not a bus or coach passenger }
\end{aligned}
$$

Page 120 of 205
0351535


| Date／Time |  | Tuesday <br> 06 November 2018 <br> 17：14 |
| :---: | :---: | :---: |
|  | Junction | Not at or within 20 metres of junction |
| Contributorv <br> Failed to look properly（A） |  |  |
| Vehicle | Car |  |
|  | No tow or articul |  |
| Location | On main carriageway－not in restricted lane |  |
|  | Not at，or within | rres of junction |
| Movement | Vehicle moving from South to North |  |
|  | Going ahead other |  |
|  | Skidded |  |
|  | Did not leave carriageway |  |
| Not a car passenger |  |  |
| Vehicle | Car |  |
|  | No tow or articul |  |
| Location | On main carriageway－not in restricted lane |  |
|  | Not at，or within | res of junction |
| Movement | Vehicle moving from South to North |  |
|  | Going ahead other |  |
|  | No skidding，jack－knifing or overturning |  |


Road
Conditions
None within 50 metres
No physical crossing facility within 50 metres
Casualty 1 －Slight
Vehicle 1
Driver Male， 82
$\begin{array}{ll}\text { Driver } & \text { Male，} 82 \\ & \text { Not requested } \\ & \text { Postcode：NE8 }\end{array}$
등
咅
号
든 은 을

量畐
Vehicle 2 $\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male，} 71 \\ \\ \text { Negative } \\ \\ \text { Postcode：NE2 2PL } \\ \\ \text { Commuting to／from work }\end{array} \\ \text { Collisions } & \begin{array}{l}\text { Hit no other vehicle } \\ \\ \\ \\ \\ \\ \\ \\ \text { Back } \\ \text { None } \\ \text { None }\end{array}\end{array}$
$\square$ Collisions $\begin{array}{ll}\text { Vehicle } 2 \\ \text { Driver } & \text { Male，} 71 \\ & \text { Negative } \\ & \text { Postcode：NE2 2PL } \\ & \text { Commuting tolfrom work } \\ \text { Collisions } & \text { Hit no other vehicle } \\ & \text { Back } \\ & \text { None } \\ & \text { None }\end{array}$

Page 126 of 205


[^3]

$\begin{array}{ll}\text { Description } & \text { SUNDERLAND HIGHWAY (A1231) } \\ \text { of Location }\end{array} \quad \begin{array}{ll}\text { Description } & \text { VEHICLE } 1 \text { TRAVELLING ALONG A1231 EAST BOUND, TOWARDS A19, AND FAILS TO SEE TRAFFIC IN FRONT SLOWING OR } \\ \text { of Accident } & \text { STOPPED, AND COLIDES WITH THE REAR OF VEHICLE 2, WHICH COLLIDES WITH REAR OF VEH } 3 \text {, CAUSING } 5 \text { VEHICLES TO BE } \\ \text { DAMAGED. DRIVER OF VEH 1 TAKEN TO HOSPITAL }\end{array}$




| Description | WESSINGTON WAY (A1231)-49 METRES FROM JUNCTION WITH A1231 |
| :--- | :--- |
| of Location |  |$\quad$| Description | VEHICLE 2 TRAVELLING WEST ON A1231 IN CENTRE LANE TRAVELLING TOWARD A19.V1 TRAVELLING IN OUTSIDE LANE CUTS |
| :--- | :--- |
| of Accident | ACROSS THE PATH OF V2 COLLIDING WITH FRONT NEARSIDE OF VEHICLE CAUSING DAMAGE TO V2 AND WHIPLASH INJURIES TO <br> DRIVER V2. DRIVER V2 FLASHES TO DRIVER V1 TO STOP.BOTH VEHICLES PULL OVER AT THE REAR OF THE GREENS PUBLIC | DRIVER V2. DRIVER V2 FLASHES TO DRIVER V1 TO STOP. BOTH VEHICLES PULL OVER AT THE REAR OF THE GREENS PUBLIC

HOUSE.DRIVER V1 CHECKS HER VEHICLE AND ARGUES NO DAMAGE HAS BEEN CAUSED AND MAKES OFF.

DOWNHILL LANE NEAR JUNCTION WITH DOWNHILL LANE (A1290)
DRIVER OF V2 WAS TRAVELLING ALONG DOWNHILL LANE AND V1 WAS APPROACHING THE JUNCTION TO V2 NEARSIDE. V1
$=$

0812103

合



Not a car passenger
Not a bus or coach passenger
Page 133 of 205

$$
\begin{aligned}
& \text { On main carriageway - not in restricted la } \\
& \text { Not at, or within } 20 \text { metres of junction }
\end{aligned}
$$


 Did not leave carnay

$$
\begin{aligned}
& \text { Vehicle } \\
& \text { Location } \\
& \text { Movement }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Car } \\
& \text { No tow or articulation } \\
& \text { On main carriageway - not in restricted lane }
\end{aligned}
$$

震SUNDERLAND HIGHWAY（A1231）－ 20 METRES FROM JUNCTION WITH A19$\begin{array}{ll}\text { Description } & \text { VEHICLE } 2 \text { SLOWS AT APPROACH TO JUNCTION VEHICLE } 1 \text { FAILS TO SLOW COLLIDING WITH REAR OF VEHICLE } 2 \text { WHICH IS } \\ \text { of Accident } & \text { SUBSEQUENTY PUSHED FORWARD INTO THE REAR OF V3 MINOR INJURY TO LEG OF DRIVER OF V2 WHO RECEIVED TREATMENT }\end{array}$

## Vehicle 3


$\begin{array}{ll}\text { Driver } & \text { Male，} \\ & \text { Not applicable } \\ & \text { Postcode：NE38 7RA } \\ & \text { Other }\end{array}$
Descripition
of Location
Descripion
of Accilient

$$
\begin{aligned}
& \text { Not at, or within } 20 \text { metres of junction } \\
& \text { Vehicle moving from West to East }
\end{aligned}
$$


界量


$$
\begin{aligned}
& \text { Page } 138 \text { of } 205 \\
& \hline
\end{aligned}
$$

## Page 130


$=$

## 0848668

Wednesday
12 June 2019
23:00
Mini roundabout
Give way or uncontrolled
范


Slight Accident
Involving 2 Vehicle, 1 Casualty
Location

No physical crossing facility within 50 metres
$\begin{array}{ll}\text { Vehicle } 1 \\ \text { Driver } & \text { Male, } 55 \\ & \text { Not applicabl } \\ & \text { Postcode: DL } \\ & \text { Not known } \\ \text { Collisions } & \text { Hit no } \\ & \text { Front } \\ & \text { None } \\ & \text { None }\end{array}$
Vehicle 2
Driver Male, 33

| Casualty 1 -Slight |
| :--- |
| $\substack{\text { Diver orider } \\ \text { Male }}$ |
|  |

NISSAN WAY
VI WAS DRIVING ALONG NISSAN WAY SUNDERLAND WHEN IT WAS HIT BY VI
$\equiv$
0856184

Slight Accident

Vehicle 1 No physical crossing facility within 50 metres
Vehicle 1
Not applicable
Postcode：NE 28 6NH
Postcode：NE
Not known
䜌登亳
Involving 2 Vehicle， 1 Casualty
Location Sunderland
Road $\begin{aligned} & \text { 432854E，557027N } \\ & \text { Single Carriageway }\end{aligned}$
Road
Conditions
部高量
None within 50 metres
No physical crossing fac
Vehicle 2
Casualty 1－Slight
备亳膏
primero rider


## 0854033



No tow or articulatio
On main carriagewa
Not at, or within 20
Not at, or within 20 metres of junction Vehicle moving from West to East
Going ahead other No skidding, jack-knifing or overturning

Vehicle
Location
Movement
Not a car passenger
Not a bus or coach passenger
Page 143 of 205

Serious Accident
Involving 2 Vehicle, 1 Casualty
Location Sunderland

432876E, 558022N Road $\quad \begin{aligned} & \text { Single Cariageway } \\ & 30\end{aligned}$
Road
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight - Street Lights Present } \\ \text { Fine without high winds }\end{array}\end{array}$

None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
Driver Male, 18
Postcode: NE8 3HX
Commuting to/from work
$\begin{array}{ll}\text { Collisions } & \text { Hit no other vehicle } \\ & \text { Nearside }\end{array}$

Vehicle 2
$\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male, } 16 \\ \\ \\ \\ \\ \\ \\ \\ \\ \text { Pot applicable } \\ \text { Other } \\ \text { Collisions } \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \text { Fit nont no other vehi } \\ \text { None }\end{array}\end{array}$
Casualty 1-Serious

Friday
05 July 2019
17:12
Not at or within 20 metres of junction
年


Slight Accident
Involving 2 Vehicle, 1 Casualty
$\begin{array}{ll}\text { Location } & \text { Sunderland } \\ & \text { A19 } \\ & 434692 \mathrm{E}, 557718 \mathrm{~N}\end{array}$
Road Dual Carriageway
70
Dayight - Street Lights Present
Fine without high winds
Dry
None
Involvement with previous accident
None within 50 metres
None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1 No physical crossing facility within 50 metres

ostcode: NE38 ONT
ot known
$\begin{array}{ll}\text { Collisions } & \begin{array}{l}\text { Hit no other vehicle } \\ \\ \text { Back }\end{array}\end{array}$

Vehicle 2
$\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male, } 38 \\ \\ \text { Not requested }\end{array} \\ & \text { Postcode: SR3 4NL } \\ & \text { Other } \\ \text { Collisions } & \text { Hit no other vehicle } \\ & \text { Did not impact }\end{array}$
Casualty 1 - Slight


Front seat passenger
Not a bus or coach passenger


A1231-24 METRES FROM JUNCTION WITH A19
$\begin{array}{ll} & \\ \text { Description } & \text { V3 AMBULANCE ON EMERGENCY CALL WITH BLUE LIGHTS AND SIRENS ACTIVATED ENTERS RAB AND SLOWS TO A STOP AT RED } \\ \text { of Accident } & \text { TRAFFIC LIGHT. V2 TRAVELLING EAST ON RAB STOPS SUDDENLY TO ALLOW V3 TO PROCEED, V1 TRAVELLING EAST BEHIND V2 } \\ & \text { HEARS SIRENS AND LOOKS IN REAR MIRRORS FOR EMERGENCY VEHICLE, V1 FAILS TO SEE V2 HAS STOPPED AND COLLIDES } \\ & \text { WITH REAR. }\end{array}$
Description
of Location
Description
of Accident

Serious Accident

Vehicle $1 \begin{aligned} & \\ & \left.\begin{array}{l}\text { None wihin } 50 \text { metres } \\ \text { No physical cossing facility wititin } 50 \text { metres } \\ \hline\end{array}\right)\end{aligned}$ Driver $\begin{gathered}\text { Male，} 23 \\ \text { Negative } \\ \text { Poctode }\end{gathered}$
Postoode： NE 33 9EJ Collisions Hitnoother vehicle
응ㅇ을 을
Casualty 1－Serious

| $\substack{\text { Diver or rider } \\ \text { Male }}$ |
| :--- | :--- |
| 23 |

Vehicle 2

寽亳䯧

0870028
$\left.\begin{array}{lll} & \text { Date／Time } & \begin{array}{l}\text { Saturday } \\ 17 \text { August 2019 } \\ 15: 50\end{array} \\ & \text { Junction } & \text { Not at or within } 20 \text { metres of junction }\end{array}\right]$
Description MARLBOROUGH ROAD－86 METRES FROM JUNCTION WITH KENILWORTH COURT
VEH 1 PULLED AWAY FROM JUNCTION AND HAD TO BRAKE SHARPLY BECAUSE OF ANOTHER VEHICLE IN FRONT CAUSING
PASSENGERS TO BE INJURED
Page 149 of 205
Slight Accident
Involving 1 Vehicle， 3 Casualties
Sunderland
$431708 \mathrm{E}, 557909 \mathrm{~N}$
Single Cariageway
30
Daylight－Street Lights
Fine without high winds
Dry
None
None
None within 50 metres
None within 50 metres
No physical crossing facil
Vehicle 1
Driver $\begin{aligned} & \text { Male，} 48 \\ & \text { Not applicable } \\ & \text { Postcode：} \\ & \text { Journey as part of work } \\ & \text { Collisions } \quad \begin{array}{l}\text { Hit no other vehicle } \\ \\ \text { Did not impact } \\ \text { None } \\ \text { None }\end{array}\end{aligned}$ Nacility within 50 metres
Casualty 2 －Slight

| $\substack{\text { Venicle or orilloon passenger } \\ \text { Female } \\ 30}$ |
| :---: |
| and |

Casualty 1－Slight
Venicie or pillo passenger
Female
30
Casualty 3－Slight
Venicle or pilloon passenger
Male
30
NE2 1 XJ
0885007

WASHINGTON ROAD (A1290)
V1 TRAVELLING NORTH WEST PASSING SLOWER MOVING VEHICLES. FOR REASONS YET TO BE ESTABLISHED RIDER LOOSES
CONTROL AND COLLIDES WITH REAR OF V2
$=$

$$
\text { Page } 152 \text { of } 205
$$

|  |  |
| :---: | :---: |
|  | $\begin{aligned} & \text { E } \\ & \\ & \hline \end{aligned}$ |






| Vehicle | Pedal Cycle <br> No tow or articulation |
| :---: | :--- |
| Location | On main carriageway - <br> Movement |
| Approaching junction or <br> Vehicle moving from No <br> Going ahead other <br> No skidding, jack-knifing <br> Did not leave carriagew |  |
|  |  |

Not a car passenger
Not a bus or coach passenger

Casualty 1 - Slight


Slight Accident
Involving 2 Vehicle, 1 Casualty
Location Sunderland Road Single Carriageway

Road
Conditions
Vehicle 1
Driver $\begin{aligned} & \text { Male, } 30 \\ & \text { Driver not contacted at time of accident }\end{aligned}$
umoux 10 N
Collisions
Vehicle 2
Driver $\begin{aligned} & \text { Male, 26 } \\ & \\ & \\ & \\ & \\ & \\ & \text { Pot applicable } \\ & \end{aligned}$
 Collisions $\begin{array}{ll} & \text { Hit no other vehicle } \\ & \text { Nearside } \\ & \text { None } \\ & \text { None }\end{array}$

응
¿
z
0890678



0898992

药


Page 159 of 205
Slight Accident
Involving 2 Vehicle, 2 Casualties
$\begin{array}{ll}\text { Location } & \begin{array}{l}\text { Sunderland } \\ \text { A 195 } \\ 431315 \mathrm{E} .569943 \mathrm{~N}\end{array}\end{array}$
Road $\quad \begin{aligned} & \text { 431315E, } 556943 \mathrm{~N} \\ & \text { Dual Carriageway }\end{aligned}$
Conditions $\begin{aligned} & \text { Daylight - Street Lights Present } \\ & \text { Raining without high winds }\end{aligned}$

None within 50 metres

Vehicle 2
$\begin{array}{ll}\text { Driver } & \text { Female, 40 } \\ & \text { Driver not contacted at time of accident }\end{array}$

읃 ․․․․․․․
Casualty 1 - Slight

| Driver or rider |
| :--- |
| $\begin{array}{l}\text { Female } \\ \text { NE15 } \\ \text { THR }\end{array}$ |

Nota arar passenger
Nota bus or coach passenger

Slight Accident
Involving 2 Vehicle, 2 Casualties $\qquad$ Conditions

$$
\begin{aligned}
& \text { A } \begin{array}{l}
\text { 4343133E, } 57729 \mathrm{~N} \\
\text { Dual Carriageway }
\end{array}
\end{aligned}
$$

Conditions $\begin{aligned} & \text { Darkness- Street Lights present and lit } \\ & \text { Fine without high winds }\end{aligned}$
Ny
None
None
None within 50 metres
No physical crossing facility

| Date/Time | Tuesday <br> 22 October 2019 <br> $18: 07$ |
| :--- | :--- |
| Junction | Not at or within 20 metres of junction |
| Contributory |  |







$$
\begin{aligned}
& \text { Date/Time } \\
& \text { Junction } \\
& \text { Contributory }
\end{aligned}
$$

Slight Accident
Involving 1 Vehicle, 1 Casualty
Location Sunderland
431214E, 557342N
Road Single Carriageway
Road
Conditions $\begin{aligned} & \text { Darkness - S } \\ & \text { Otter }\end{aligned}$

None
None within 50 metres
No physical crossing faci
$\begin{array}{ll}\text { Driver } & \begin{array}{l}\text { Male, } 0 \\ \\ \\ \\ \\ \\ \\ \\ \\ \text { Driver not contacted at time of accident } \\ \text { Not known }\end{array} \\ \text { Collisions } & \text { Hit no other vehicle } \\ & \text { Front } \\ & \text { None } \\ & \text { None }\end{array}$
Casualty 1 - Slight
Pedestrian
Male
NE 37 3EP
INDUSTRIAL ROAD - 109 METRES FROM JUNCTION WITH UNCLASSIFIED ROAD
Description UNABLE TO ESTABLISH FULL CIRCUMSTANCES OF THISW COLLISION AS THE CALLER HAS NOT KEPT HIS POLICE APPOINTMENT
of Accident

$$
\begin{aligned}
& \text { Dual Carriageway } \\
& 70
\end{aligned}
$$





Page 166 of 205



| Casualty 1 - Slight |
| :--- |
| $\substack{\text { Diver or ider } \\ \text { Male }}$ |
| 11 |

## Slight Accident

| Involving 2 | Vehicle, 1 Casualty |
| :---: | :---: |
| Location | Sunderand |
|  | 431926E, 557758 |
| Road | Single Carriageway <br> 30 |
| Conditions | Dayight-Street Lights Present |
|  | Fine without high winds <br> Dry |
|  | None |
|  | None |
|  | None within 50 metre |

## 

SULGRAVE ROAD - 46 METRES FROM JUNCTION WITH WASHINGTON ROAD (A1290) VEHICLE 2 WAS TRAVELLING NORTH ON SULGRAVE ROAD, VEHICLE 1 HAS COME OUT OF THE JUNCTION TO THE NEAR SIDE
OUT OF CONTROL AND COLLIDED WITH THE FRONT OF VEHICLE 2
$\cong$
Serious Accident
Involving 2 Vehicle, 1 Casualty

Location | Sunderland |
| :---: |
| A 1290 |


Road
Conditions


None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
Driver Not traced, 21 accident
umouy ion
:eporssod
[10늘
Collisions
Vehicle 2
Casualty 1 -Serious


Page 168 of 205

苋

| Vehicle | Car |
| :---: | :---: |
|  | No tow or articulation |
| Location | On main carriageway - not in restricted lane |
|  | Not at, or within 20 metres of junction |
| Movement | Vehicle moving from East to West |
|  | Changing lane to right |
|  | No skidding, jack-nifing or overtuming |
|  | Did not leave carriageway |
| Not a car passenger |  |
| Not a bus or coach passenger |  |
| Vehicle | Car |
|  | No tow or articulation |
| Location | On main carriageway - not in restricted lane |
|  | Not at, or within 20 metres of junction |
| Movement | Venicle moving from East to West |
|  | Going anead other |
|  | No skidding, jack-knifing or overturning |
|  | Did not leave carriageway |

Slight Accident

| Involving 3 Vehicle, 1 Casualty |  |
| :---: | :---: |
| Location | Sunderland |
|  | A 1231 |
|  | 431265E, 556868N |
| Road | Dual Carriageway |
|  | 50 |
| Conditions | Daylight - Street Lights Present |
|  | Fine without high winds |
|  | Dry |
|  | None |
|  | Other object in carriageway |
|  | None within 50 metres |
|  | No physical crossing facility within |

None within 50 metres
No physical crossing faciility within 50 metres
Driver Female, 59
Nostcode known

Vehicle 1

Casualty 1 - Slight
Driver or rider
Female

59
Vehicle 2

0952882

0940476

0978397



CHERRY BLOSSOM WAY - 90 METRES FROM JUNCTION WITH UNCLASSIFIED ROAD
Vehicle 3
5
mmuting to/from work
Hit no other vehicle
Back
None
None
苞
Description
of Location
$\begin{aligned} & \text { Description } \\ & \text { of Accilent }\end{aligned}$
Vehicle 2 $\begin{array}{ll}\text { Collisions } & \begin{array}{l}\text { Hit no other venicle } \\ \\ \\ \text { Back }\end{array}\end{array}$ Oostoode:
Other
Hit no
Front
None
None


0979762


SPIRE ROAD AT JUNCTION WITH THE PEEL CENTRE
Serious Accident
Involving 1 Vehicle, 1 Casualty
Location Sunderland
Road $\begin{aligned} & \text { 432169E, 556813N } \\ & \text { Single Carriageway }\end{aligned}$
Single Carriagewa
30
Conditions $\begin{aligned} & \text { Daylight - Street Lights Present } \\ & \text { Fine without high winds }\end{aligned}$
Dry
None
None
None w
No phys
Vehicle $1 \quad$ No physical crossing facility within 50 metres
No physical crossing facility within 50 metres
nomine

\%


Casualty 1 - Serious
气.
气
U


II
Description HORSLEY ROAD
Description
of Location
Description
of fccident
0963874


$$
\begin{array}{cl}
\text { Vehicle } & \begin{array}{l}
\text { Car } \\
\text { No tow or articulation }
\end{array} \\
\text { Location } & \begin{array}{l}
\text { On main carriageway - not in restricted lane }
\end{array} \\
\text { Movement at, or within } 20 \text { metres of junction } & \begin{array}{l}
\text { Vehicle moving from North to South } \\
\text { Turning left } \\
\text { No skidding, jack-knifing or overturning } \\
\text { Left carriageway nearside }
\end{array}
\end{array}
$$

Slight Accident

| Involving 2 | Vehicle, 1 Casualty |
| :---: | :--- |
| Location | Sunderland <br> A 195 |
| Road | $431294 \mathrm{E}, 556750 \mathrm{~N}$ |
| Conditions | Dual Carriageway <br> Darkness - Street Lights present and lit <br>  <br>  <br>  <br>  <br>  <br>  <br> Raining without high winds <br> Wet/Damp <br> None <br> None |
|  | None within 50 metres |

No physical crossing facility within 50 metres

Vehicle 2
Casualty 1 - Slight
$\begin{array}{ll}\text { Driver or rider } \\ \text { Male } & 25\end{array}$

$$
\begin{array}{ll}
\begin{array}{l}
\text { Description } \\
\text { of Location }
\end{array} & \text { NORTHUMBERLAND WAY (A195) } \\
\text { Description } & \text { APPARENTLY V1 HAS FAILED TO EXIT TO NEARSIDE SAFELY AND COLLIDED WITH V2 WHICH WAS ALREADY IN FRONT OF IT DUE } \\
\text { of Accident } & \text { TO DRIVER BEING INTOXICATED }
\end{array}
$$


0994380



Page 183 of 205
Slight Accident
Involving 2 Vehicle, 2 Casualties
Location Sunderland
432916E, 556849N
気
Conditions
Conditions $\begin{aligned} & \text { Daylight - Street Lights Present } \\ & \text { Other }\end{aligned}$
言
None
None within 50 metres
None within 50 metres
No physical crossing facility within 50 metres
Vehicle
Location
Not a car passenger
Not a bus or coach passenger

Slight Accident
Involving 2 Vehicle, 1 Casualty
$\begin{array}{ll}\text { Location } & \text { Sunderland } \\ & \text { A } 1231 \\ & 434761 \mathrm{E}, 5573 \\ & \text { Dual Carriag }\end{array}$

Road
Conditions

Front seat passenger
Not a bus or coach passenger
Page 185 of 205

$$
\begin{array}{ll}
\text { Vehicle } & \begin{array}{l}
\text { Goods vehicle over } 3.5 \text { tonnes and under } 7.5 \text { tonnes mgw } \\
\text { No tow or articulation }
\end{array} \\
\text { Location } & \text { Footway (pavement) } \\
& \begin{array}{l}
\text { Cleared junction or waiting/parked at junction exit }
\end{array} \\
\text { Movement } & \begin{array}{l}
\text { Vehicle was Parked } \\
\\
\\
\text { Parked } \\
\text { No skidding, jack-knifing or overturning } \\
\text { Did not leave carriageway }
\end{array}
\end{array}
$$

[^4]
Vehicle 3
Driver Not traced,

Driver $\begin{aligned} & \text { Not traced, } \\ & \\ & \\ & \text { Not applicable }\end{aligned}$药 COLLIDED. RIDER OF V2 HAS BEEN EJECTED FROM THE MOTORCYCLE AND COLLIDED WITH A NEARBY PARKED VEHICLE COLLIDED. RIDER
CAUSING INJURY.


$$
\begin{array}{ll}
\text { Vehicle } & \begin{array}{l}
\text { Motorcycle over } 50 \mathrm{cc} \text { and up to } 125 \mathrm{cc} \\
\text { No tow or articulation }
\end{array} \\
\text { Location } & \begin{array}{l}
\text { On main carriageway - not in restricted lane }
\end{array} \\
& \begin{array}{l}
\text { Approaching junction or waiting/parked at junction exit }
\end{array} \\
\text { Movement } & \begin{array}{l}
\text { Vehicle moving from North to South } \\
\text { Going ahead other }
\end{array} \\
& \begin{array}{l}
\text { No skidding, jack-knifing or overturning } \\
\text { Did not leave carriageway }
\end{array}
\end{array}
$$

$$
\text { Page } 187 \text { of } 205
$$


$\pm$

```
1005884
```

Moderately Serious Accident

|  |  |
| :---: | :---: |
| N |  |




BARMSTON WAY - 30 METRES FROM JUNCTION WITH BURNHOPE ROAD
V2 TRAVELLING SOUTH ON BARMSTON WAY WHEN V1 PULLS OUT OF JUNCTION COLLIDING WITH NEARSIDE OF V2 CAUSING Descripition
of Location
Descripition
of Accident


1014844

范 音

Page 194 of 205


Not a car passenger
Not a bus or coach passenger

Casualty 1 - Slight


Serious Accident
1011488
$\begin{array}{ll}\text { Date/Time } & \begin{array}{l}\text { Sunday } \\ \text { 03 January 2021 } \\ 15: 47\end{array} \\ \text { Junction } & \text { Not at or within 20 metres of junction }\end{array}$

$$
\left.\begin{array}{ll}
\text { Vehicle } & \begin{array}{l}
\text { Goods venicle } 7.5 \text { tonnes mgw and over } \\
\text { No tow or articulation }
\end{array} \\
\text { Location } & \begin{array}{l}
\text { On main carriageway - not in restricted lane }
\end{array} \\
& \text { Not at, or within } 20 \text { metres of junction }
\end{array}\right\}
$$

Nota car passenger
Nota bus or coach passenger
IT APPEARS THAT V1 HAS BEEN TRAVELLING WEST ON THE A1231 SUNDERLAND HIGHWAY APPROACHING LAY BY ADJACENT
TO VANEC WHENASA RESULT OF THE DRVER HAVVING AEDICAL EPISODE IT HAA LEFT THE CARRIAGEWAY TO THE NEARSIDE
COLIIING WITH ROADSIDE FURNTURE AND FOLIAGE BEFORE COMING TO A STOP.

$\underset{\text { Casualty } 1 \text {-Serious }}{\substack{\text { Drive orider }}}$

No physical crossing facility within 50 metres
Involving 1 Vehicle, 1 Casualty
$\begin{array}{ll}\text { Location } & \begin{array}{l}\text { Sunderland } \\ \text { A } 1231\end{array} \\ \end{array}$
Road $\quad \begin{aligned} & \text { A33930 C }, 557069 \mathrm{~N} \\ & \text { Dual Cagiageway }\end{aligned}$
Road
Conditions
$\begin{array}{ll}\text { Conditions } & \begin{array}{l}\text { Daylight - Street Lights Present } \\ \text { Fine without high winds }\end{array} \\ & \text { wedin }\end{array}$
None
None
None within 50 metres
No physical crossing fac

| Male |
| :--- |
| NE33 5EN |

Description SUNDERLAND HIGHWAY (A1231)
Description
of Location
1015070


| Vehicle | Car <br> No tow or articulation |
| :---: | :--- |
| Location | On main carriageway - not in restricted lane <br> Not at, or within 20 metres of junction |
| MovementVehicle moving from South to North <br> Changing lane to right <br> No skidding, jack-knifing or overturning <br> Did not leave carriageway |  |
| Not a car passenger |  |
| Not a bus or coach passenger |  |

Slight Accident

$\begin{array}{ll}\text { Location } & \begin{array}{l}\text { Sunderand } \\ \text { A19 } \\ \\ \text { 434629E, 55720 }\end{array} \\ \text { Road } & \text { Slip Road }\end{array}$
Road
Conditions
Conditions $\begin{aligned} & \text { Daylight- Street LLights Present } \\ & \text { Fine without high winds }\end{aligned}$
Dry
None
None
None within 50 metres
No physical crossing facility within 50 metres
Vehicle 1
Driver Male, 58

suo
mim somplo

Casualty 2-Slight


Vehicle 2 Driver Male, 33 Postode: SR5 4NU敦
咅
2 Collisions Hit no other venicle Nearide
None
None

Casualty 1-Slight


1021224


## Page 198 of 205

Slight Accident
Involving 2 Vehicle, 2 Casualties

| Location $\begin{array}{l}\text { Sunderland } \\ \text { A } 1290\end{array}$ |  |
| :--- | :--- |
|  | 43292020 |

Road $\begin{aligned} & \text { 432521E, 558202N } \\ & \text { Single Carriageway } \\ & 30\end{aligned}$
Conditions $\begin{array}{ll}\text { Daylight - Street Lights Present } \\ \text { Snowing without high winds }\end{array}$
Snowing without high winds
Snow
None
None
None
None wit
Zebra Cr

Casualty 1 - Slight
$\begin{array}{ll}\text { Driver or rider } \\ \text { Male } & 20\end{array}$
Casualty 2 - Slight

Vehicle 2
Driver Female
Female, 60
Not applicable
Postcode:
Not known

Collisions
Conditions

SUNDERLAND HIGHWAY (A19) - 65 METRES FROM JUNCTION WITH A19
porpixim

[^5]0997196


Page 200 of 205
Slight Accident
Involving 2 Vehicle, 2 Casualties
Sunderland

No physical crossing facility within 50 metres
Vehicle 1
Driver Male, 18

¢



[^6]Moderately Serious Accident

Page 202 of 205
1036566

Page 204 of 205

## Slight Accident

Involving 2 Vehicle, 1 Casualty
Location Sunderland
Road $\quad \begin{aligned} & \text { Single Carriageway }\end{aligned}$
Conditions
None within 50 metres
No physical crossing facility

Collisions Hit no other vehicle
Casualty 1-Slight
$\stackrel{\infty}{\stackrel{\infty}{\circ}}$
Casualty 3-Slight
Casualty 3-Sizh
Rear seat passenger
Nota aus a cooach passenger
Rear seat passenger
$\begin{array}{ll}\text { Vehicle or pilion passenger } & \begin{array}{l}\text { Rear seat passenger } \\ \text { Male } \\ \text { TS10 } \\ \text { TFH }\end{array} \\ & \text { Nota }\end{array}$
NORTHUMBERLAND WAY (A195) AT JUNCTION WITH GLOVER ROAD (A1290)
V1 WAS TRAVELLING WESTBOUND ON THE A1290 GLOVER ROAD, APPROACHING ROUNDABOUT WITH A195
NORTHUMBERLAND WAY. V2 WAS TRAVELLING SOUTHBOUND ON A195 NORTHUMBERLAND WAY, APPROACHING JUNCTION
WITHA1290 TO THE NEARSIDE. AS V2 HAS ENTERED ROUNDABOUT, V1 HAS DROVE ONTO THE ROUNDABOUT, FAILING TO GIVE
WAY TO ITS OFFSIDE CAUSING COLLISION.
Description
of Location
Description
of Accident


[^0]:    

[^1]:    Casualty 2 －Slight
    $\begin{array}{ll}\text { Cehicle or pillion passenger } \\ \text { Female } & 48 \\ \text { Fen }\end{array}$

[^2]:    
    of Accident

[^3]:    Casualty 1 - Slight
    

    Vehicle 2
    $\begin{array}{ll} & \text { Postode: DH5 9AT } \\ \text { Commuting tolfrom work } \\ \text { Collisions } & \begin{array}{l}\text { Hit no other vehicle } \\ \\ \\ \\ \text { Front } \\ \text { None } \\ \text { None }\end{array}\end{array}$

[^4]:    FERRYBOAT LANE AT JUNCTION WITH CULLERCOATS ROAD

    FERRYBOAT LANE AT JUNCTION WITH CULLERCOATS ROAD
    Descripition
    of Location
    Descripion
    of Accident
    $\begin{array}{ll}\text { Description } & \text { V1 HAS BEEN TRAVELLING NORTHBOUND ON FERRYBOAT LANE V2 HAS BEEN TRAVELLING SOUTHBOUND ON FERRYBOAT } \\ \text { of Accident } & \text { LANE. V1 HAS SLOWED ON APPROACH TO THE JUNCTION OF CULLERCOATS ROAD TO THE OFFSIDE. V1 HAS CROSSED THE } \\ & \text { SOUTHBOUND CARRIAGEWAY TO ENTER THE JUNCTION, DURING WHICH IT HAS PULLED INTO THE PATH OF V2. VEHICLES HAVE } \\ & \text { COLLIDED. RIDER OF V2 HAS BEEN EJECTED FROM THE MOTORCYCLE AND COLLIDED WITHA NEARBY PARKED VEHICLE }\end{array}$

[^5]:    
    WAS TRAVELLING NORTHBOUND ON THE A19 AI
    VEHICLE 1 COLIDES WITHTHE REAR OF V2.
    Description
    of Accident
    WAS TRAVELLING NORTHBOUND ON THE A19 AND TAKES THE OFFSLIP TO THE A1231. FOR REASONS TO BE ESTABLISHED,
    VEHICIE 1 COLIDES WITHTHE REAR OF 2 .

[^6]:    WASHINGTON ROAD (A1290) - 100 METRES FROM JUNCTION WITH BARMSTON LANE
    V1 WAS TRAVELLING BEHIND V2. V2 BRAKED SHARPLY AT PED CROSSIING.V1 APPLIED BRAKES SHARPLY BUT SKIDDED IN ICY
    CONDITIONS AND HIT REAR V2. BOTH DRIVERS STOPPED AT SCENE AND SPOKE FROM DETALLS KNOWN V1 TO BLAME GIVEN
    Description
    of Location
    Description
    of Accident

