



**Proposed Sports Hall and Classrooms,
Redmoor Academy,
Wykin Road,
Hinckley**

PIA Analysis

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1 Background

- 1.1 Edwards and Edwards Consultancy Ltd. is a 'Highway and Transportation Consultancy' specialising in giving advice to clients on highway development control matters. Our dedicated team have over 200 years' combined experience dealing with development control matters in both the public and private sectors. We have been engaged by the Redmoor High School Academy Trust, to carry out an analysis of road traffic accident records as requested by the Highway Authority in their response to the application for development at Redmoor Academy.
- 1.2 Redmoor High School Academy Trust have submitted a planning application to Hinckley and Bosworth B C for the erection of a new Sports Hall, classrooms, car parking, landscaping and solar panels, LPA ref 23/01164/FUL.
- 1.3 Due to housing development, Leicestershire County Council are required to increase secondary school places, and funding for this increase is available from Section 106 Monies. The proposed development will accommodate up to an additional 195 pupils at the school and will require an additional 13 staff.
- 1.4 In their response to the planning application, the Highway Authority requested additional information be submitted in support of the application. One of the items that they asked for was an analysis of the Personal Injury Collisions which may have occurred within the vicinity of the site access.
- 1.5 The applicants have purchased the accident data for a distance of 500 metres from the main site access on Wykin Road and also for the same distance from the pedestrian access that is located off Stoke Road.
- 1.6 This report considers the accident data that has been purchased from the County Council to see if there is any particular road safety problem, that may be exacerbated by the additional traffic predicted by the proposed development.

2 ACCIDENT ANALYSIS

- 2.1 The accident information that was obtained from the County Council was for a 5-year period for an area of 500 metres around the site, from 1 January 2019 to the 31st of December 2023 has been attached as **Appendix A** for information.
- 2.2 The accident records show that over the 5-year period there were a total of 12 accidents within the 500 metres search area. 10 of these accidents were classed as slight injury accidents and 2 were classed as serious injury accidents.
- 2.3 It should be noted that the location of the Academy is such that there only 3 roads around the school site that would provide access to the wider road network. These routes are Wykin Road to the west, Stoke Road to the north and Hollycroft to the southeast.
- 2.4 Of the 12 accidents that occurred during this period, 5 of them occurred on routes that any additional traffic generated by the development would not be expected or likely to use. Therefore for 5 of the accidents the development would have no impact and would not exacerbate any highway safety issue.
- 2.5 It should be noted that no accident was recorded at either the main site access or within the vicinity of the pedestrian access off Stoke Road. Neither were there any accidents on the section of Wykin Road from the main site access up to and including its junction with the A47 Normandy Way.
- 2.6 It is likely that as the additional student places are required to cater for the increased demand from new developments, that the majority of additional traffic will use the route from the A47 along Wykin Road due to the large new residential development at Hollycroft Grange to the west of the site off Normandy Way.
- 2.7 These accident records show that there has been no recorded accidents along the route most likely to be used by the majority of the traffic generated.
- 2.8 Of the remaining 7 accidents, 3 are shown to have occurred at the roundabout junction of A47 Normandy Way with the C6103 Stoke Road, 1 occurred at the junction of Stoke Road with Hollycroft, and 3 others occurred at different locations

on Hollycroft although the exact location of one of those is given in the accident report as unknown.

- 2.9 Consideration is therefore given to the details, location and potential reason for each of the 7 accidents on routes that the proposed development is likely to have an impact upon. Although it should be noted that in real terms, the actual impact on these routes is likely to be relatively small.
- 2.10 3 of the accidents recorded occurred at the junction of the A47 Normandy Way/Stoke Road. However the 3 accidents that occurred at this junction all occurred outside of normal school opening and closing times, when the proposed development is unlikely to generate any additional traffic movements. One of the accidents occurred at 2.40pm, one at 7.17pm and the other at 9.48pm. Therefore the additional traffic generated by the school would not impact on any of these accidents. It is also the case that as the A47 is a very busy route, the percentage increase in traffic resulting from the development will have a negligible impact at this junction.
- 2.11 Looking in more detail at each of the 3 accidents, there is no identifiable pattern in the type of accident or a particular movement that would be a cause of concern. One accident appeared to involve a rear end shunt between two vehicles. These vehicles were entering the roundabout from the eastern leg of the A47. One of the accidents involved a collision with a cyclist 'mid junction' on the roundabout, with a car travelling from east to west, colliding with a pedal cycle travelling from north to south on the roundabout. The third involved a car and a cyclist both travelling in a southerly direction on Stoke Road on the approach the roundabout.
- 2.12 It is therefore considered that there is no particular pattern to any of these accidents and that each accident is likely to have been down to driver error. Therefore I am of the opinion that the proposed development would not exacerbate any highway safety issue at this roundabout junction. This is especially the case as the development will only be likely to lead to a negligible increase in use of this junction and also as all of the recorded accidents occurred outside of normal school opening and closing times.
- 2.13 One of the recorded accidents is shown to have occurred at mini-roundabout junction of Stoke Road with Hollycroft and Wykin Road. This mini roundabout would have been installed by the Highway Authority. Therefore as part of the design of the

roundabout, Safety Audits must have been carried out, and it should be assumed that the Highway Authority were satisfied that this junction design was safe and suitable.

- 2.14 Nevertheless, the one accident that occurred at this junction would appear to have involved a car pulling out in front of a pedal cycle turning right at the junction. One accident in a 5-year period would not suggest that there is a particular accident problem with this junction and that the accident was probably caused by driver or rider error. On that basis I am of the view that there can be no accident pattern that the proposed development would be likely to exacerbate.
- 2.15 Although the map provided by the County Council suggests that two accidents occurred at this junction, this is not the case. One of those accidents occurred at a private access off Stoke Road close to, but not at the mini-roundabout junction. The accident involved a vehicle reversing out of the private drive and colliding with a pedestrian.
- 2.16 This accident is clearly down to driver error rather than any particular highway safety problem, and again would not be exacerbated by the increased traffic likely to be generated by the development. It is also the case that this accident occurred at a time (11.20am) when the proposed development is unlikely to result in any additional vehicular or pedestrian movements.
- 2.17 There was accident that occurred on Hollycroft on 21 May 2020, for which the report states that its exact location was not known. The details also say that the accident did not occur at or within 20 metres of a road junction. This accident involved 3 vehicles all of which were reported to have been travelling in a northerly direction. It would perhaps be the case that the first car in the accident slowed or stopped, but the two following cars did not, resulting in a 3-car shunt.
- 2.18 As this is the only accident of this type over the 5-year period, I am of the opinion that it would have been caused by driver error and not down to a highway safety issue and not one that would be exacerbated by the proposed development.
- 2.19 The final accident occurred on Hollycroft at its junction with Lismore Drive. This accident involved a car turning right out of Lismore Drive and colliding with a motorcyclist travelling northbound on Hollycroft. Again this would appear to have

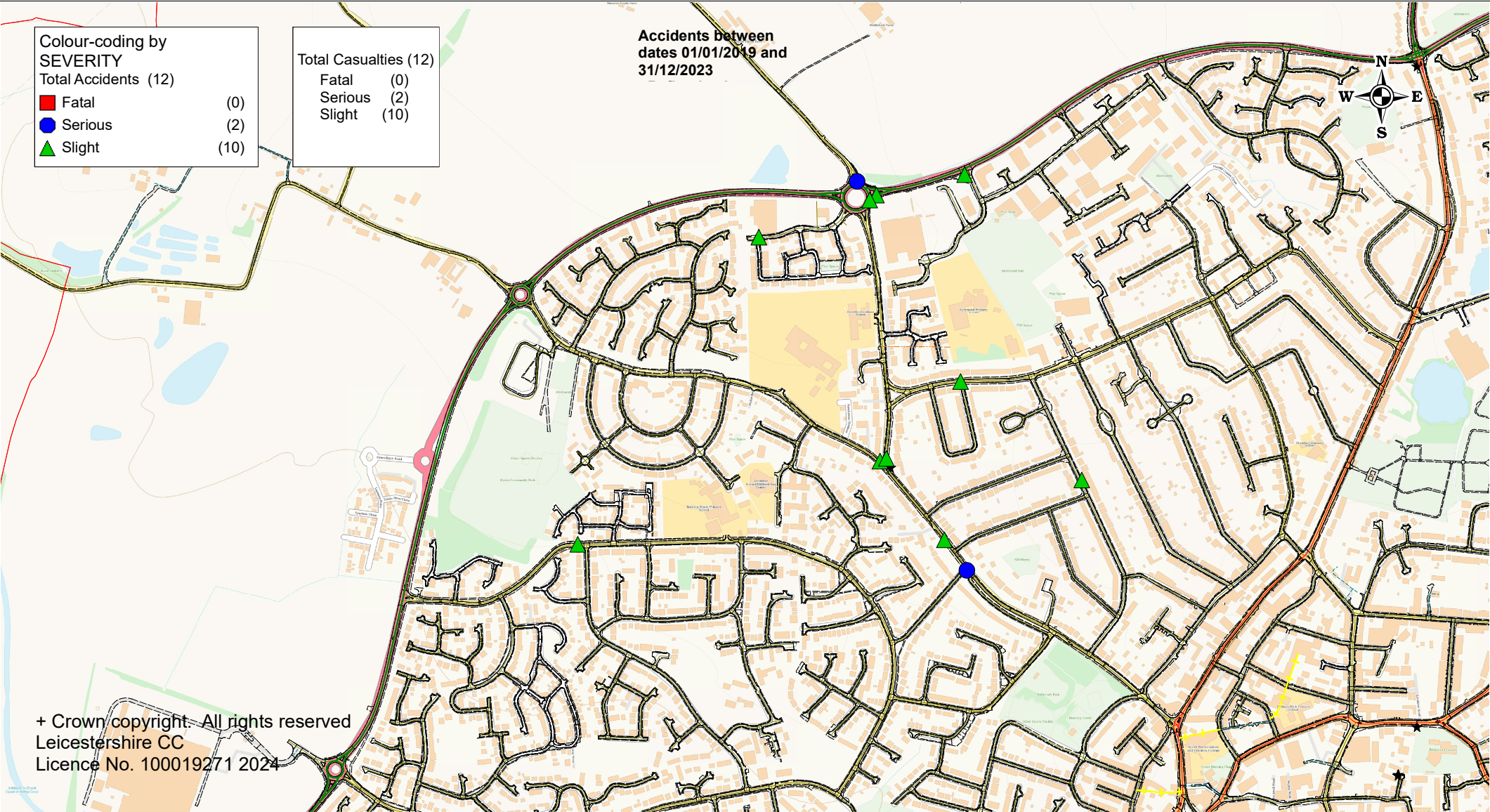
been a one-off accident, down to driver error and not down to any particular highway safety issue.

- 2.20 It is also the case that the proposed development would not result in any increased movements of vehicles turning right out of Lismore Drive. Therefore the proposed development would not exacerbate this potential issue.
- 2.21 This report has considered all of the accidents reported in the accident data obtained from the County Council on the routes that the additional traffic likely to be generated by the proposed development are likely to impact.
- 2.22 For the route that the development is most likely to have the most impact, Wykin Road between the site and the A47, there have been no accidents and therefore the proposal will not have any impact on existing highway safety issues.
- 2.23 For the other 2 routes on which accidents have occurred, I am of the opinion that based on the details provided for each accident, that there are no patterns of accidents that would suggest there is an existing highway safety issue. I am also of the opinion that given the proposal is likely to have a relatively small impact on any of these routes, it will not result in any unacceptable impact of the highway.
- 2.24 On the basis of the above, I believe that there should be no reasonable highway safety grounds to refuse the application on the basis of paragraphs 114 or 115 of the revised NPPF 2023.

Duncan Clarke
Edwards & Edwards Consultancy Ltd

Project No 12439
Date April 2024

Appendix A. Accident data



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SCALE	1 : 11860
DATE	21/03/2024
DRAWING No.	
DRAWN BY	



S2E Redmoor Academy

Accidents between dates01/01/2019 and 31/12/2023(60) months

Selection:Notes:

; Refined using Accidents within selected Polygons -Data

Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Selected Polygon:S2E Redmoor Academy 21.03.2024

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900227	28/03/2019	441896	294804	Fine without high winds	Dry	Daylight	Slight
Location:WYKIN ROAD HINCKLEY MINI ROUNABOUT JW STOKE ROAD							

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Jct Approach	Going ahead but other	NW	SE
Pedal Cycle	Jct Approach	Going ahead but other	NE	SW

Casualties:

Class	Severity
Driver / Rider	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900255	10/02/2019	441888	295399	Fine without high winds	Dry	Daylight	Slight
Location:A47 NORMANDY WAY HINCKLEY ROUNDABOUT JW STOKE ROAD							

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering roundabout	Going ahead but held up	NE	SW
Taxi/Private hire car	Entering roundabout	Stopping	NE	SW

Casualties:

Class	Severity
Driver / Rider	Slight

Accidents between dates 01/01/2019 and 31/12/2023 (60) months
Selection: Notes:
; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900366	10/04/2019	441873	295388	Fine without high winds	Dry	Daylight	Slight

Location: A47 NORMANDAY HINCKLEY ROUNDABOUT JW STOKE ROAD

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering roundabout	Starting	E	W
Pedal Cycle	Mid Junction - on roundabout or main road	Going ahead other	N	S

Casualties:

Class	Severity
Driver / Rider	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900805	30/07/2019	442076	294982	Raining without high winds	Snow	Daylight	Slight

Location: TUDOR ROAD HINCKLEY JW BURLEIGH ROAD

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Mid Junction - on roundabout or main road	Starting	E	W
Goods 7.5 tonnes mgw and over	Mid Junction - on roundabout or main road	Going ahead other	E	W
Goods 7.5 tonnes mgw and over	Mid Junction - on roundabout or main road	Parked	Parked	Parked

Casualties:

Class	Severity
Driver / Rider	Slight

Accidents between dates 01/01/2019 and 31/12/2023 (60) months
Selection: Notes:
; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201901233	26/11/2019	441910	294810	Raining without high winds	Wet/Damp	Daylight	Slight

Location: C6103 STOKES ROAD HINCKLEY OUTSIDE NUMBER 6.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering main road	Reversing	E	W

Casualties:

Class	Severity
Pedestrian	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202000146	25/02/2020	442347	294762	Fine without high winds	Dry	Daylight	Slight

Location: STANLEY ROAD HINCKLEY OUTSIDE HOUSE NO. 65

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering main road	Starting	NE	SW

Casualties:

Class	Severity
Pedestrian	Slight

Accidents between dates 01/01/2019 and 31/12/2023 (60) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202001124	21/05/2020	442040	294628	Fine without high winds	Dry	Daylight	Slight

Location: C6103 HOLLYCROFT HINCKLEY EXACT LOCATION & DIRECTION UNKNOWN.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Going ahead other	SE	NW
Car	Not at, or within 20M of Jct	Going ahead other	SE	NW
Car	Not at, or within 20M of Jct	Going ahead other	SE	NW

Casualties:

Class	Severity
Driver / Rider	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202100323	18/05/2021	442085	295445	Fine without high winds	Dry	Daylight	Slight

Location: CORNFIELD HINCKLEY JW NORMANY WAY.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Jct Approach	Waiting to turn left	S	W
Car	Jct Approach	Going ahead other	S	N

Casualties:

Class	Severity
Driver / Rider	Slight

Accidents between dates 01/01/2019 and 31/12/2023 (60) months
Selection: Notes:
; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202101519	15/03/2021	441845	295430	Fine without high winds	Dry	Darkness: street lighting unknown	Serious

Location: C6103 STOKE ROAD HINCKLEY JW NORMANDY WAY.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Jct Approach	Going ahead other	N	S
Pedal Cycle	Jct Approach	Going ahead other	N	S

Casualties:

Class	Severity
Driver / Rider	Serious

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202200194	05/03/2022	442090	294560	Fine without high winds	Dry	Daylight	Serious

Location: C6103 HOLLYCROFT HINCKLEY JW LISMORE DRIVE.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Leaving main road	Turning right	NW	SW
Motor Cycle over 50 cc and up to 125cc	Mid Junction - on roundabout or main road	Going ahead other	SE	NW

Casualties:

Class	Severity
Driver / Rider	Serious

Accidents between dates 01/01/2019 and 31/12/2023 (60) months
Selection: Notes:
; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity			
202200476	14/06/2022	441220	294618	Fine without high winds	Dry	Darkness: street lights present and lit	Slight			
Location: OUTLANDS DRIVE HINCKLEY JW CLIFTON WAY.										
Vehicles:										
Type	Junct_Locn	Manvres	Movef	Movet						
Car	Jct Approach	Going ahead right bend	SW	E						
Casualties:										
Class	Severity									
Driver / Rider	Slight									

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202301157	18/11/2023	441625	295305	Fine without high winds	Wet/Damp	Daylight	Slight
Location: SWORD DRIVE HINCKLEY OUTSIDE HALFORDS.							
Vehicles:							
Type	Junct_Locn	Manvres	Movef	Movet			
Car	Not at, or within 20M of Jct	Going ahead other	W	E			
Car	Not at, or within 20M of Jct	Starting	W	E			
Casualties:							
Class	Severity						
Driver / Rider	Slight						

Number of records in selection: 12

Accidents between dates 01/01/2019 and 31/12/2023 (60) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Police Ref.	Date	Cas.	Sev.	P2W	Cycs	Peds	Ch	60+	Vis.	Manv.	Road Cond.	Time	Location
Selected Polygon:S2E Redmoor Academy 21.03.2024													
201900255	10/02/2019	1	Slight	0	0	0	0	0	Light	No turn	Dry	1420	A47 NORMANDY WAY HINCKLEY ROUNDABOUT JW STOKE ROAD
201900227	28/03/2019	1	Slight	0	1	0	1	0	Light	No turn	Dry	1510	WYKIN ROAD HINCKLEY MINI ROUNABOUT JW STOKE ROAD
201900366	10/04/2019	1	Slight	0	1	0	0	0	Light	No turn	Dry	1917	A47 NORMANDAY HINCKLEY ROUNDABOUT JW STOKE ROAD
201900805	30/07/2019	1	Slight	0	0	0	0	0	Light	No turn	Snow	1259	TUDOR ROAD HINCKLEY JW BURLEIGH ROAD
201901233	26/11/2019	1	Slight	0	0	1	0	1	Light	No turn	Wet/Damp	1105	C6103 STOKE ROAD HINCKLEY OUTSIDE NUMBER 6.
202000146	25/02/2020	1	Slight	0	0	1	1	0	Light	No turn	Dry	1545	STANLEY ROAD HINCKLEY OUTSIDE HOUSE NO. 65
202001124	21/05/2020	1	Slight	0	0	0	0	0	Light	No turn	Dry	1155	C6103 HOLLYCROFT HINCKLEY EXACT LOCATION & DIRECTION UN
202101519	15/03/2021	1	Serious	0	1	0	0	0	Dark	No turn	Dry	2148	C6103 STOKE ROAD HINCKLEY JW NORMANDY WAY.
202100323	18/05/2021	1	Slight	0	0	0	0	0	Light	Left	Dry	1108	CORNFIELD HINCKLEY JW NORMANY WAY.
202200194	05/03/2022	1	Serious	1	0	0	0	0	Light	Right	Dry	1640	C6103 HOLLYCROFT HINCKLEY JW LISMORE DRIVE.
202200476	14/06/2022	1	Slight	0	0	0	0	0	Dark	No turn	Dry	2300	OUTLANDS DRIVE HINCKLEY JW CLIFTON WAY.
202301157	18/11/2023	1	Slight	0	0	0	0	0	Light	No turn	Wet/Damp	1145	SWORD DRIVE HINCKLEY OUTSIDE HALFORDS.
Column Totals		12		1	3	2	2	1					
No. of Accidents				1	3	2	2	1					
Total number of accidents listed:		12											

Accidents between dates 01/01/2019 and 31/12/2023 (60) months
Selection: Notes:
; Refined using Accidents within selected Polygons -Data
Requests 2024 ("S2E Redmoor Academy 21.03.2024")

Table 1 - Accidents by Month

	2019	2020	2021	2022	2023	Total
January	-	-	-	-	-	0
February	1	1	-	-	-	2
March	1	-	1	1	-	3
April	1	-	-	-	-	1
May	-	1	1	-	-	2
June	-	-	-	1	-	1
July	1	-	-	-	-	1
August	-	-	-	-	-	0
September	-	-	-	-	-	0
October	-	-	-	-	-	0
November	1	-	-	-	1	2
December	-	-	-	-	-	0
TOTAL	5	2	2	2	1	12

Table 2 - Casualties by Month

	2019	2020	2021	2022	2023	Total
January	-	-	-	-	-	0
February	1	1	-	-	-	2
March	1	-	1	1	-	3
April	1	-	-	-	-	1
May	-	1	1	-	-	2
June	-	-	-	1	-	1
July	1	-	-	-	-	1
August	-	-	-	-	-	0
September	-	-	-	-	-	0
October	-	-	-	-	-	0
November	1	-	-	-	1	2
December	-	-	-	-	-	0
TOTAL	5	2	2	2	1	12

Table 3 - All Accidents by Severity

	2019	2020	2021	2022	2023	Total
Fatal	0	0	0	0	0	0
Serious	0	0	1	1	0	2
Slight	5	2	1	1	1	10
TOTAL	5	2	2	2	1	12

Table 4 - Casualties by Severity

	2019	2020	2021	2022	2023	Total
Fatal	0	0	0	0	0	0
Serious	0	0	1	1	0	2
Slight	5	2	1	1	1	10
TOTAL	5	2	2	2	1	12