

COTSWOLD
TRANSPORT
PLANNING

James Spreckley Limited

Land South of Glewstone
Crossroads, Herefordshire

Technical Note

October 2021



**Land South of Glewstone Crossroads,
Herefordshire**

Technical Note Issue 01

21-0588

October 2021

1. Introduction

- 1.1 Cotswold Transport Planning Ltd (CTP) have been appointed by James Spreckley Limited to provide a Technical Note (TN) in support of a planning application for two residential dwellings on land south of Glewstone crossroads in Glewstone, Herefordshire.
- 1.2 Outline planning permission is sought for two residential dwellings, with all matters reserved except for access, on land south of Glewstone crossroads, served via a new access in the form of a vehicle crossover with Glewstone in the village of Glewstone.
- 1.3 This TN addresses the following transportation matters:
 - i) Assessment of the site location and local highway network;
 - ii) Review of local highway safety;
 - iii) Suitability of the access arrangements;
 - iv) Trip generation and predicted impact on the local highway network.
- 1.4 This TN has been informed by a detailed site visit undertaken on the Thursday 19th August 2021.

2. Site Location and Local Highway Network

- 2.1 The application site will be accessed via a new vehicle access off Glewstone. The application site location is demonstrated on the drawing contained in **Appendix A**.
- 2.2 Glewstone forms three roads which lead to and go through the centre of Glewstone village. To the northwest it links to the A4137, to the east and south it links to the A40. In the vicinity of the application site through Glewstone village, the road has a 30mph speed limit, is unilluminated and is generally single vehicle width measuring between 3.5m and 4.5m in the vicinity of the application site.



2.3 Marstow Footpath 15 (MF15) is approximately 250m east of the application site and has a north to south alignment. The footpath provides access to other Public Rights of Way (PROW). **Figure 2.1** demonstrates the PROW network in the vicinity of the site.

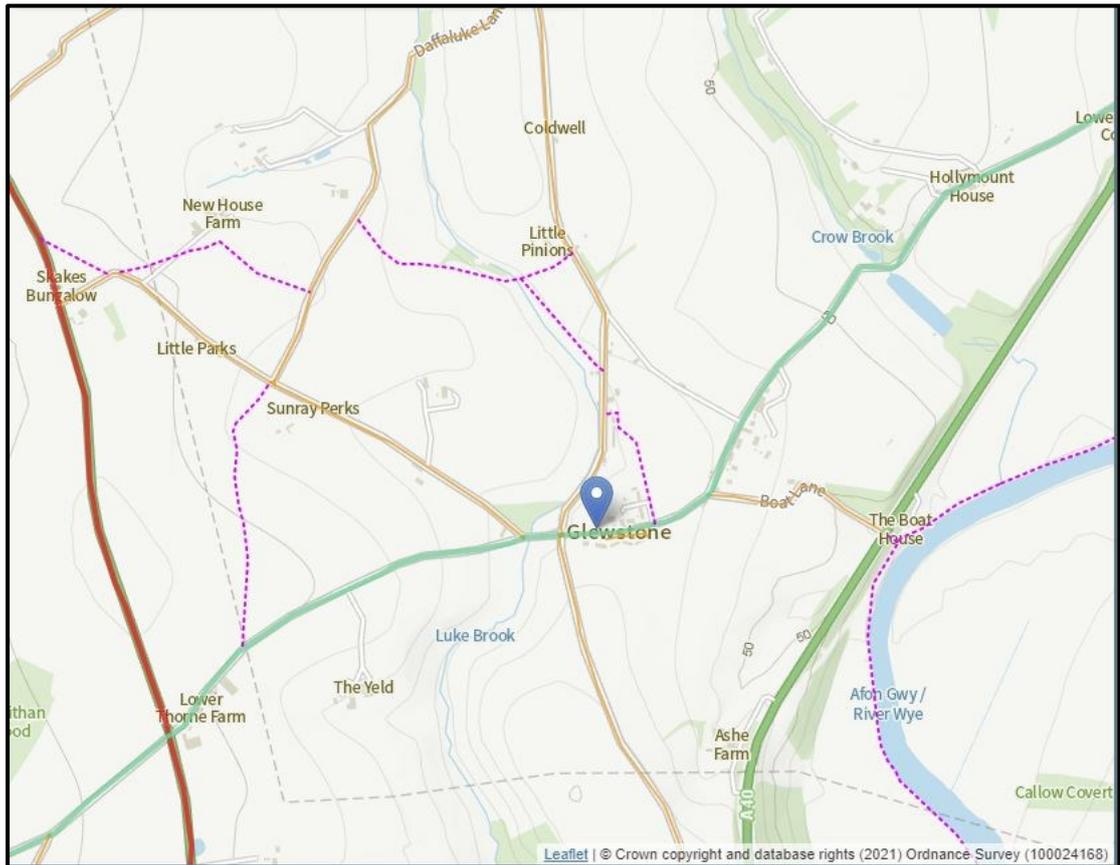


Figure 2.1 – PROW Network in the vicinity of the application site



- 2.4 The existing environs of Glewstone in the vicinity of the application site is demonstrated in **Photographs 2.1** and **2.2**.



Photograph 2.1 – Looking east on Glewstone along the application site frontage



Photograph 2.2 – Looking west on Glewstone.

- 2.5 An Automatic Traffic Count (ATC) survey was undertaken by Streetwise Services Limited between Thursday 2nd September 2021 and Wednesday 8th September 2021.
- 2.6 The ATC demonstrated average weekday traffic flows of 358 and 379 vehicles eastbound and westbound, respectively. There were average speeds of 26.9mph and 27.0mph eastbound and westbound, respectively, with 85th percentile speeds of 33.4mph and 33.5mph eastbound and westbound, respectively. The full results of the ATC are contained in **Appendix B**.

Local Highway Safety

- 2.7 The CrashMap database has been reviewed to determine whether any Personal Injury Collisions (PICs) have occurred on the local highway network within the most recent five-year review period available to June 2020.
- 2.8 An extract from the CrashMap database confirming the above is contained in **Appendix C**.



2.9 The review has confirmed that no PICs have taken place during this period in the immediate vicinity of the site on Glewstone, which indicates that there is not an existing highway safety concern. Considering the amount of traffic likely to be generated by the proposed residential dwellings as set out in **Section 7**, the safe and efficient operation of the local highway network is expected to continue.

3. Site Accessibility

3.1 In terms of pedestrian access, Glewstone does not benefit from formal footway provision and therefore it operates as a shared surface.

3.2 A copy of the extent of adopted highway is contained in **Appendix D**.

3.3 The nearest bus stops in the vicinity of the application site is the 'Cross' bus stops located approximately 20m east of the application site at the Glewstone crossroads. There are no formal bus stop provision with the stops operating as 'hail and ride'. The bus stop provides access to the No.31 bus services which provides an outbound and inbound service to Ross-on-Wye on weekdays at 10.59am and 2.01pm. In addition, the No.54 bus service sets down at the bus stops twice a weekday. The bus stop timetables are contained in **Appendix E**.

3.4 There are no formal cycle routes located in proximity to the site. Based on the existing traffic flows and average speeds on Glewstone it is considered that the shared surface will be suitable for cyclists.

4. Development Proposals

4.1 Outline planning permission is sought for two residential dwellings, with all matters reserved except for access, on land south of Glewstone crossroads, served via a new access in the form of a vehicle crossover with Glewstone in the village of Glewstone.

4.2 An illustrative site layout is contained in **Appendix F**.

5. Site Access Arrangements

5.1 CTP believe that any new or intensified vehicle access and road junction should be reviewed and justified as being safe and suitable, so that there will be no highway safety harm arising from an increase in use of an existing access or the operation of a new vehicular access.



5.2 It is proposed that a new vehicle crossover access is provided to serve the development off Glewstone. The proposed site access arrangements are provided at **Appendix G**.

5.3 The proposed site access comprises a 4.8m wide shared surface with a dropped kerb vehicle crossover arrangement. It is proposed that the site shall be designed in accordance with Herefordshire Highway Design Guide for New Developments (2006) for a shared private drive.

Visibility Splay Assessment

5.4 A traffic survey was undertaken in the form of an ATC by Streetwise Services Ltd, an independent traffic surveyor, in the vicinity of the centre of the application site frontage on Glewstone. The survey was undertaken between Thursday 2nd September 2021 and Thursday 8th September 2021. For eastbound traffic, the 85th percentile speed was 33.4mph and for westbound traffic, 33.5mph. The traffic survey is included at **Appendix B**.

5.5 In order to calculate the required visibility splays the following visibility parameters have been utilised in accordance with Manual for Streets (MfS) and Manual for Streets 2 (MfS2), given that average speeds are below 40mph, and the design speed is below 37mph with greater than 5% Ordinary Goods Vehicle (OGV1);

- i) Reaction Time – 1.5 Seconds; and
- ii) Deceleration Rate – 3.68 m/s.

5.6 A drawing demonstrating suitable junction visibility splays of 2.4m x 52.7m to the west in accordance with an 85th percentile eastbound speeds of 33.4mph, and 2.4m x 52.9m to the east in accordance with an 85th percentile westbound speeds of 33.5mph, can be provided within land under the control of the applicant or the adopted highway is included as **Appendix G**.

5.7 Suitable forward visibility splays of 55.3m for right turners in accordance with an 85th percentile westbound speeds of 33.5mph, and 55.1m to the rear of vehicles waiting to turn right in accordance with an 85th percentile eastbound speeds of 33.4mph, is also demonstrated on the drawing contained at **Appendix G**.



Swept Path Analysis

- 5.8 A swept path analysis of the proposed site access has been undertaken, which demonstrates that an estate car can simultaneously access and egress the proposed site access. A drawing demonstrating the swept path analysis is included as **Appendix H**.

Refuse Collection

- 5.9 Refuse collection for the existing dwellings on Glewstone take place from the kerbside. It is anticipated that the proposed dwellings will be served from the kerbside as per the existing arrangement for dwellings located on Glewstone.

Fire Tender Access

- 5.10 A fire tender will be able to access the furthest point of all plots within 45m, in accordance with Building Regulations guidance.

Parking

- 5.11 Parking provision shall be provided in accordance with the Herefordshire Highway Design Guide for New Developments (2006), which states that parking for residential dwellings outside Hereford City central area should be provided as follows:
- iii) One Bed Dwelling – One Car Parking Space and One Cycle Space;
 - iv) Two/Three Bed Dwellings – Two Car Parking Space and One Cycle Space per Bedroom; and
 - v) Four + Bed Dwellings – Three Car Parking Space and One Cycle Space per Bedroom.
- 5.12 Car parking will be provided in accordance with the relevant standards. Each dwelling will be provided with a 7kw mode 3 or mode 4 electric vehicle charge point. This will take the form of a wall mounted charge point attached to the garage.

6. Shared Surfaces and Quiet Lanes

Shared Surfaces

- 6.1 Glewstone currently operates as a shared surface routes for all road users. There is currently no history of collisions, which would indicate an existing highway safety concern with the shared surface nature of the lane.



- 6.2 Given that there is no history of collisions it is likely pedestrians and cyclists consider that they are in a safe environment with low traffic volumes and speeds.
- 6.3 MfS at paragraph 2.2.7 page 16, identifies that *“lanes in rural areas can provide other functions than just movement, including various leisure activities such as walking, cycling and horse riding”*.
- 6.4 MfS2 identifies in section 2 (paragraphs 2.7.10, 2.1.11, 2.7.12, 2.8.2 and 2.8.4 pg 24-26) that many rural villages and rural lanes are unlikely to conform to a standardised highway layout where carriageways are often narrow and where footways may be narrow or non-existent. It also identifies that as a result of this vehicle speeds are often low. MfS2 also recognises that the urbanisation of rural lanes and streets is not desirable and that a place sensitive approach should be used. On this basis, it is not considered that an existing highway, which does not conform to modern day design standards should preclude the granting of planning permission.
- 6.5 In summary, it is considered that the existing highway network is suitable for all road users and the proposed development will not have an unacceptable impact on highway safety or a severe impact on the local roads.

Quiet Lanes

- 6.6 CTP consider that Glewstone is consistent with the criteria set out in the Department for Transport (DfT) Circular 02/2006, in relation to the definition of a ‘Quiet Lane’.
- 6.7 The DfT Circular suggests that:
- i. Quiet Lanes are minor rural roads or networks of minor rural roads appropriate for shared use by walkers, cyclists, horse riders and other vehicles;*
 - ii. Have low flows of motorised vehicles travelling at low speeds and are suitable for shared use by walkers, cyclists, equestrians and motorists;*
 - iii. They should be rural in character, though they do not necessarily have to be in a rural area;*
 - iv. Should have no more than about 1000 motor vehicles per day usually with the 85th percentile speed below 35mph; and*
 - v. Pedestrians, cyclists and equestrians should feel able to use them safely.*



6.8 Based on the weeklong ATC there is a daily weekday average of 737 two-way vehicle movements. Based on the ATC survey and the proposed development trip generation set out in **Section 7**, there will not be more than 1000 motor vehicle movements per day. In addition, the ATC demonstrated 85th percentile speeds lower than 35mph. It is therefore considered that Glewstone conforms to the quiet lane guidance as set out in the DfT Circular.

6.9 On this basis, it is not considered that an existing highway, which does not conform to modern day design standards should preclude the granting of planning permission, as it has been demonstrated that Glewstone is safe and suitable for use.

7. Trip Generation

7.1 Available TRICS sites for privately-owned houses were filtered to provide a comparable assessment to that proposed, based on the following selection criteria:

- i) Sites located in Great Britain, excluding Greater London;
- ii) Sites comprising 5 - 20 privately owned dwellings;
- iii) Weekday surveys, when traffic flows are highest;
- iv) Sites located in suburban and edge of town areas; and
- v) Sites with a five-mile radius population of < 250,000.

7.2 A summary of the TRICS result is provided in **Table 7.1**, with the full report provided at **Appendix I**.

Time	TRICS Trip Rates			Estimated Trips (2 Dwellings)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
AM Peak (08:00 - 09:00)	0.084	0.289	0.373	0	1	1
PM Peak (17:00 - 18:00)	0.265	0.145	0.410	1	0	1
12-hour (07:00 - 19:00)	2.097	2.244	4.341	4	4	8

Table 7.1: TRICS Summary of Vehicle Trips

**Subject to Cumulative Rounding*

7.3 The proposed development is expected to generate one vehicle trips in the AM and PM peak hours, respectively, with approximately 8 daily traffic movements.

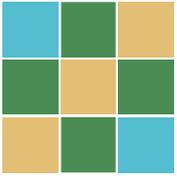
7.4 On this basis, the forecast vehicle trips are not considered to have severe or a material impact on the operation of the local highway network.



8. Conclusion

- 8.1 CTP have been appointed by James Spreckley Limited to provide a TN in support of an outline planning application for two residential dwellings on land south of Glewstone crossroads in Glewstone, Herefordshire.
- 8.2 Outline planning permission is sought for two residential dwellings, with all matters reserved except for access, on land south of Glewstone crossroads, served via a new access in the form of a vehicle crossover with Glewstone in the village of Glewstone.
- 8.3 The TN has demonstrated the following:
- i) A review of the local highway network and collision data in the vicinity of the site indicates that there are no apparent problems in relation to the current operation or safety of the local highways;
 - ii) Access to the site is safe and suitable; and
 - iii) Forecast vehicle trip generation is not considered to be significant.
- 8.4 CTP concludes that approval of this planning application will not result in a severe or unacceptable impact upon the safety or operation of the surrounding local highway network, and as such there are no significant highways and transportation matters that would preclude Herefordshire Council from approving this planning application.

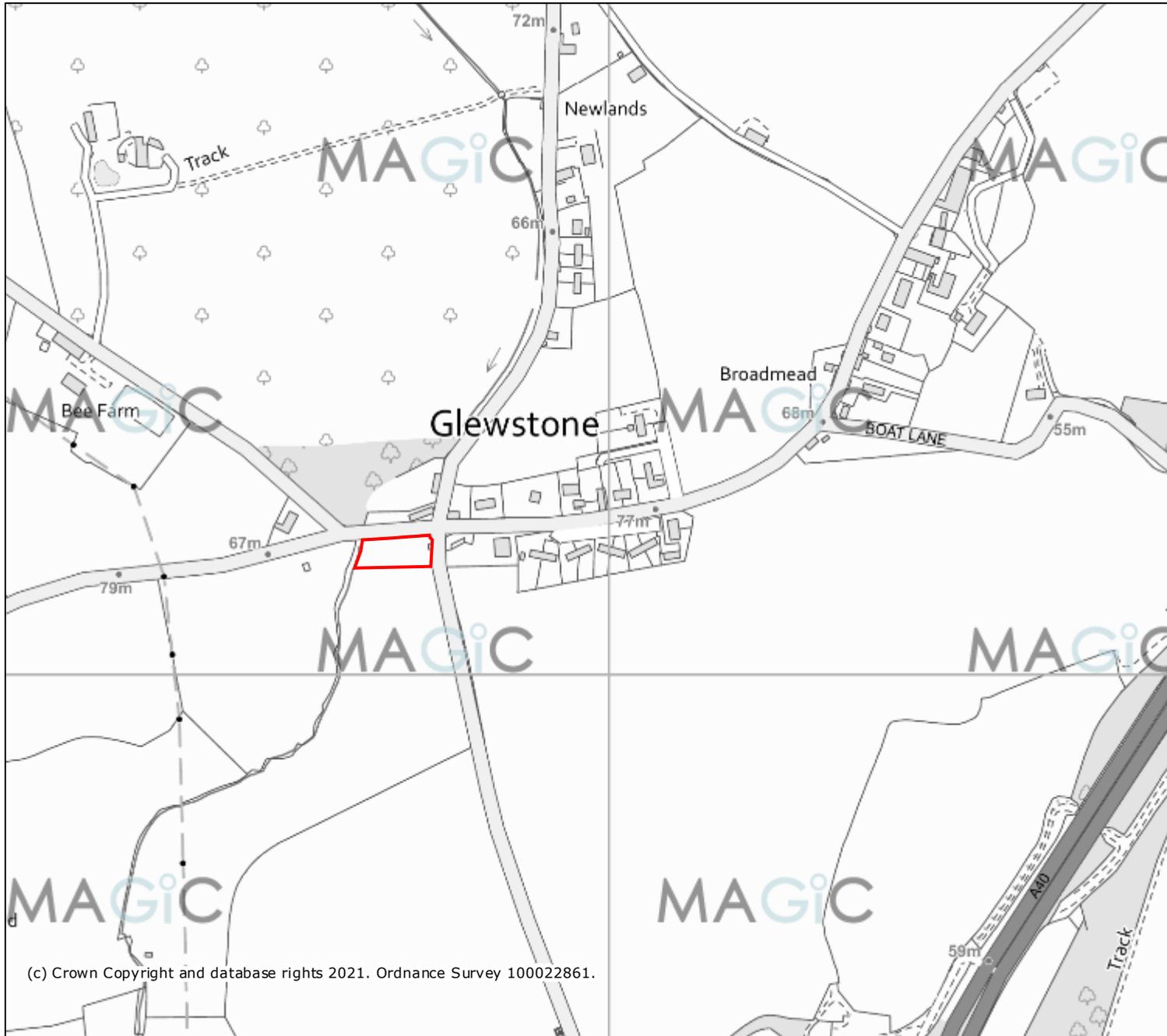
Enclosures – Appendix A, B, C, D, E, F, G, H, I



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Appendix A

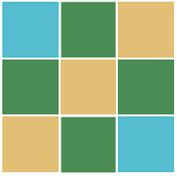
Site Location Plan



(c) Crown Copyright and database rights 2021. Ordnance Survey 100022861.

Projection = OSGB36
xmin = 355300
ymin = 221600
xmax = 356600
ymax = 222600

Map produced by MAGiC on 5 February, 2021.
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Appendix B

ATC Traffic Survey

Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.

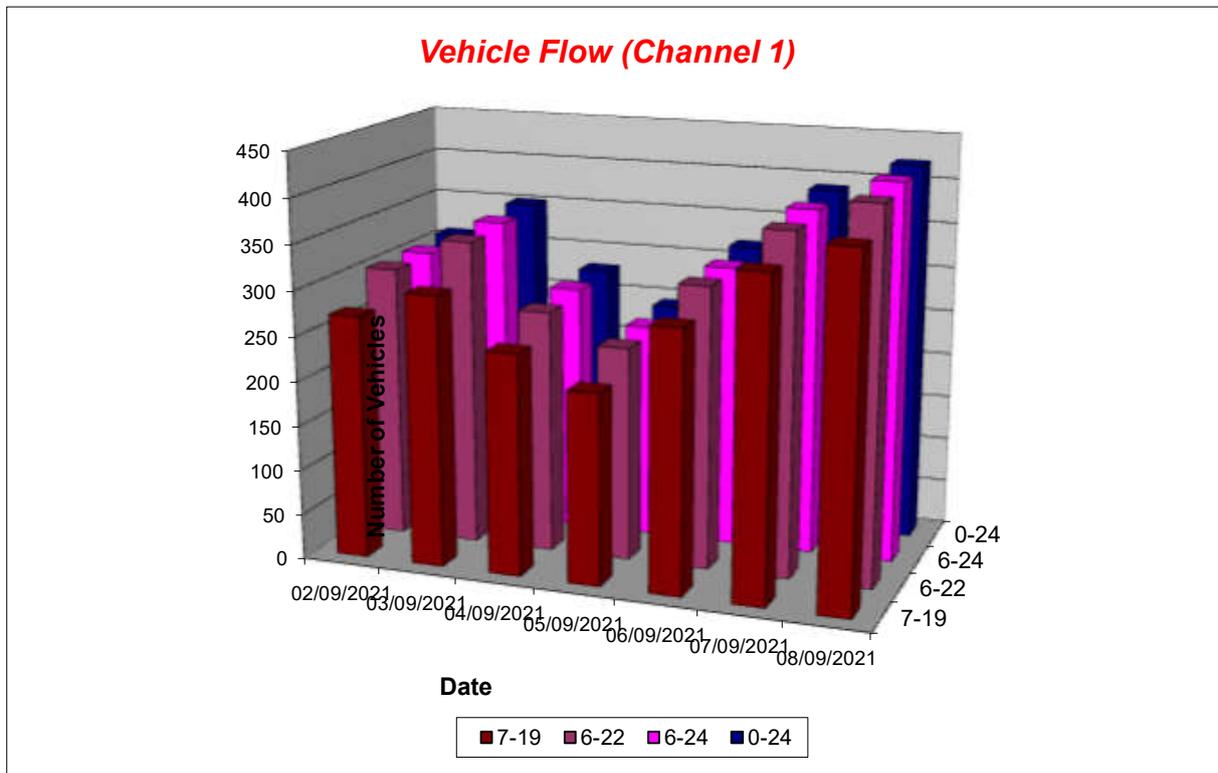


Channel 1 - Eastbound

Vehicle Flow

Week 1

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5 Day Ave	7 Day Ave
1	0	1	0	1	1	0	0	0	0
2	1	0	1	1	0	0	1	0	1
3	1	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	0	0	0
5	0	0	0	0	0	0	0	0	0
6	2	4	2	1	3	4	2	3	3
7	15	10	6	4	7	7	8	9	8
8	13	19	7	8	24	18	20	19	16
9	35	26	21	8	23	36	49	34	28
10	20	18	27	10	28	32	38	27	25
11	30	22	25	32	22	28	47	30	29
12	24	28	20	25	16	26	41	27	26
13	19	26	32	19	25	34	36	28	27
14	23	28	24	13	28	37	29	29	26
15	18	24	16	21	27	36	25	26	24
16	19	27	23	21	22	30	29	25	24
17	27	37	21	23	21	35	22	28	27
18	27	32	19	21	27	25	26	27	25
19	16	14	11	11	26	16	23	19	17
20	10	14	11	6	6	7	11	10	9
21	7	11	5	8	8	7	5	8	7
22	1	5	2	8	3	4	3	3	4
23	0	4	4	2	1	3	4	2	3
24	1	1	2	0	0	3	3	2	1
7-19	271	301	246	212	289	353	385	320	294
6-22	304	341	270	238	313	378	412	350	322
6-24	305	346	276	240	314	384	419	354	326
0-24	309	351	279	243	319	389	422	358	330



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

Average Speed

Week 1

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
1	-	33.0	-	28.0	23.0	-	-
2	28.0	-	28.0	28.0	-	-	28.0
3	43.0	-	-	-	-	-	-
4	-	-	-	-	38.0	28.0	-
5	-	-	-	-	-	-	-
6	30.5	31.8	23.0	18.0	29.7	34.2	33.0
7	31.7	26.0	30.5	26.8	28.7	30.1	28.6
8	28.4	29.8	25.9	31.8	30.5	28.8	26.2
9	28.0	28.0	27.0	29.2	30.8	27.0	22.6
10	25.0	27.2	28.4	26.0	26.8	27.1	26.3
11	25.5	26.4	28.8	28.2	27.3	27.1	26.2
12	26.1	29.2	27.5	25.8	27.7	23.6	24.6
13	26.7	27.4	28.6	25.4	30.0	24.6	25.5
14	26.0	27.1	29.5	28.0	28.2	24.8	24.6
15	26.3	28.0	25.5	27.0	26.0	24.0	25.0
16	28.3	26.7	25.6	30.7	23.9	27.3	21.8
17	28.0	25.4	27.0	23.4	24.0	24.4	22.5
18	25.4	26.4	29.6	27.0	27.1	26.8	22.6
19	27.1	27.6	27.1	28.0	26.8	28.0	27.3
20	28.5	29.1	28.0	29.7	24.7	28.0	27.5
21	26.6	26.6	25.0	28.6	29.2	28.7	27.0
22	28.0	28.0	30.5	32.4	26.3	23.0	29.7
23	-	28.0	29.2	30.5	38.0	26.3	28.0
24	33.0	28.0	40.5	-	-	26.3	26.3

10-12	25.8	28.0	28.2	27.1	27.5	25.4	25.4
14-16	27.3	27.3	25.6	28.9	25.0	25.5	23.3
0-24	27.1	27.4	27.9	27.5	27.5	26.1	24.9

7 Day Ave 26.9

85th Percentile

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
1	-	33.6	-	28.5	23.4	-	-
2	28.7	-	28.1	28.9	-	-	28.1
3	43.5	-	-	-	-	-	-
4	-	-	-	-	38.4	28.8	-
5	-	-	-	-	-	-	-
6	33.6	38.5	28.8	18.3	33.3	43.6	38.8
7	38.3	38.3	33.3	33.8	43.1	33.8	38.4
8	33.3	33.6	38.0	33.4	33.2	33.0	33.5
9	33.8	33.6	38.3	38.3	34.0	33.2	33.5
10	28.0	33.3	38.4	38.9	33.1	33.1	38.2
11	33.8	33.3	33.3	33.6	38.4	28.1	33.3
12	28.8	38.8	33.9	33.6	38.4	33.3	33.1
13	33.7	38.8	34.0	33.4	38.5	33.1	33.6
14	33.0	33.6	33.4	33.1	33.2	33.0	33.2
15	33.4	34.0	33.3	33.6	33.5	28.5	33.9
16	33.9	33.9	33.2	38.7	33.3	33.7	28.1
17	33.8	33.2	38.2	33.9	33.6	28.5	28.4
18	33.4	33.7	38.6	33.8	33.5	33.8	28.3
19	34.0	34.0	33.4	33.0	33.2	33.1	33.9
20	33.9	33.2	33.4	43.5	33.9	38.2	43.8
21	33.1	33.5	33.7	38.9	33.7	38.7	38.3
22	28.9	33.1	33.3	38.4	33.5	33.5	33.7
23	-	34.0	38.6	33.7	38.4	28.4	33.3
24	33.4	28.7	48.2	-	-	28.1	28.1

10-12	33.5	33.0	33.2	33.5	38.1	33.7	33.0
14-16	33.8	33.6	33.6	38.5	33.8	33.9	28.3
0-24	33.1	33.1	33.1	33.5	33.5	33.5	33.8

7 Day Ave 33.4

Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

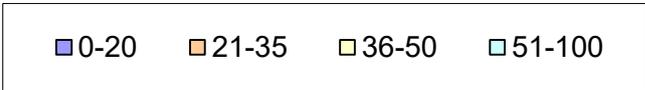
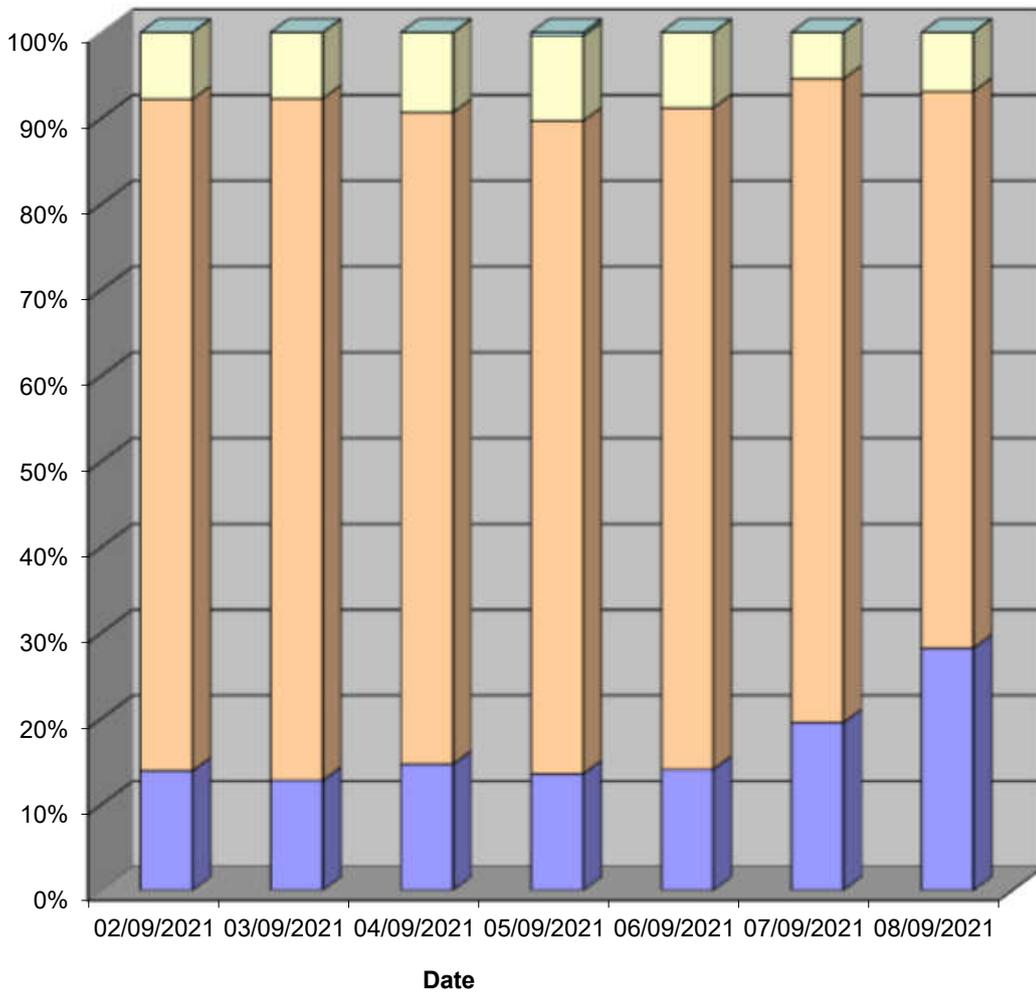
Speed Summary

Week 1

Speed (MPH)	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
0-20	43	45	41	33	45	76	119
21-35	242	279	212	185	246	292	274
36-50	24	27	26	24	28	21	29
51-100	0	0	0	1	0	0	0

TOTAL	309	351	279	243	319	389	422
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Speed Summary (MPH)



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



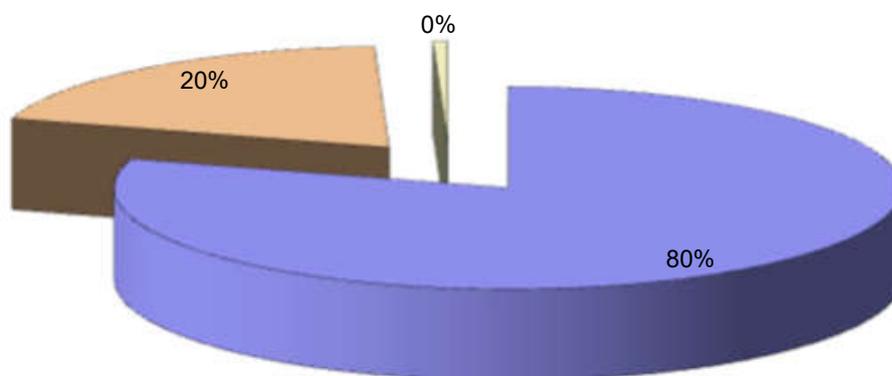
Channel 1 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
02/09/2021				
7-19	210	61	0	271
6-22	235	69	0	304
6-24	235	70	0	305
0-24	238	71	0	309
03/09/2021				
7-19	237	64	0	301
6-22	270	71	0	341
6-24	275	71	0	346
0-24	279	72	0	351
04/09/2021				
7-19	214	32	0	246
6-22	233	37	0	270
6-24	239	37	0	276
0-24	241	38	0	279
05/09/2021				
7-19	186	26	0	212
6-22	207	31	0	238
6-24	208	32	0	240
0-24	211	32	0	243
06/09/2021				
7-19	223	65	1	289
6-22	241	71	1	313
6-24	242	71	1	314
0-24	245	73	1	319
07/09/2021				
7-19	272	77	4	353
6-22	292	82	4	378
6-24	297	83	4	384
0-24	300	85	4	389
08/09/2021				
7-19	300	76	9	385
6-22	318	85	9	412
6-24	325	85	9	419
0-24	327	86	9	422
Average				
7-19	235	57	2	294
6-22	257	64	2	322
6-24	260	64	2	326
0-24	263	65	2	330

Total Vehicle Class Distribution



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.

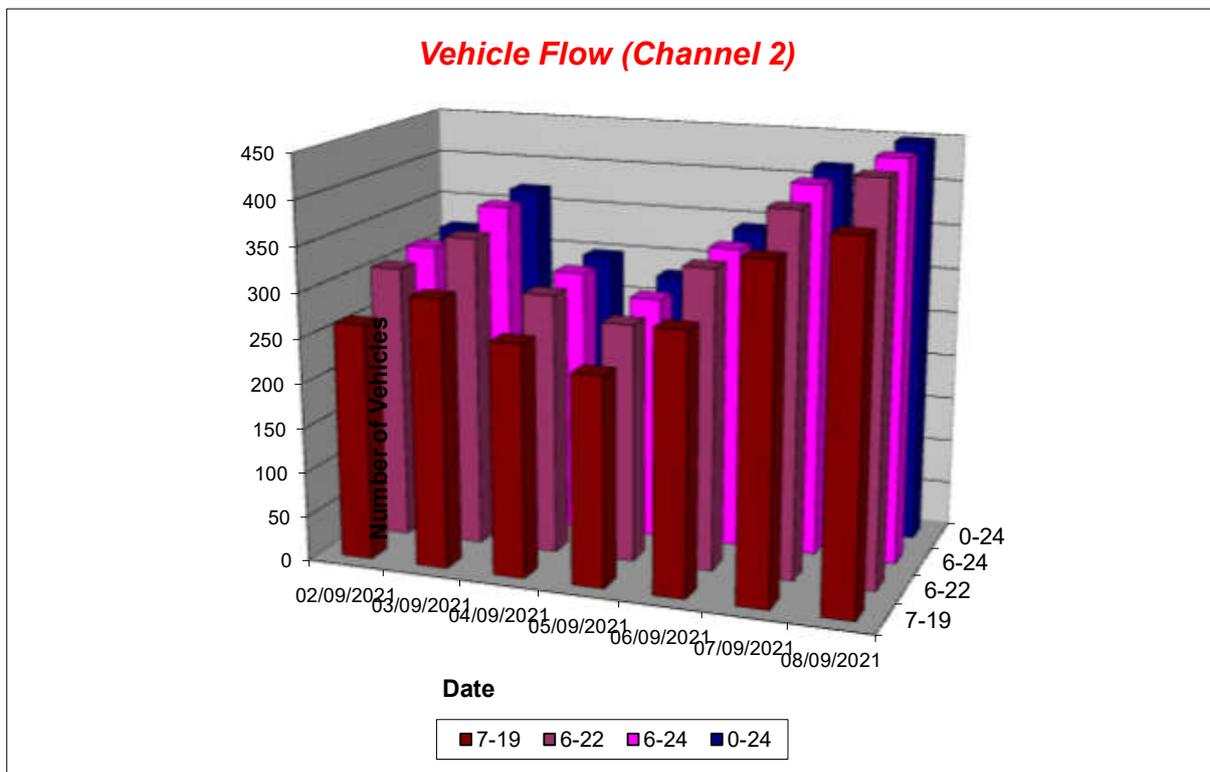


Channel 2 - Westbound

Vehicle Flow

Week 1

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5 Day Ave	7 Day Ave
1	0	1	0	0	2	1	0	1	1
2	1	0	0	2	0	0	0	0	0
3	1	1	1	1	0	0	2	1	1
4	0	0	0	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	3	2	0	2	2	2	1	2	2
7	4	8	4	1	5	3	5	5	4
8	15	14	5	4	15	26	22	18	14
9	17	17	13	2	25	33	41	27	21
10	26	20	15	14	19	27	35	25	22
11	15	30	28	27	16	29	35	25	26
12	31	17	17	25	20	29	38	27	25
13	21	24	31	26	33	35	26	28	28
14	27	29	26	29	40	29	28	31	30
15	25	26	29	22	27	41	36	31	29
16	16	32	19	21	24	34	44	30	27
17	29	30	29	27	27	50	40	35	33
18	29	30	30	21	27	20	33	28	27
19	13	31	17	15	16	15	20	19	18
20	17	24	12	10	20	12	23	19	17
21	13	4	9	14	12	8	9	9	10
22	9	11	7	8	8	11	5	9	8
23	3	13	3	6	3	8	4	6	6
24	4	6	3	2	0	3	2	3	3
7-19	264	300	259	233	289	368	398	324	302
6-22	307	347	291	266	334	402	440	366	341
6-24	314	366	297	274	337	413	446	375	350
0-24	319	370	298	280	341	416	449	379	353



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
1	-	18.0	-	-	25.5	38.0	-
2	28.0	-	-	25.5	-	-	-
3	33.0	33.0	38.0	33.0	-	-	28.0
4	-	-	-	38.0	-	-	-
5	-	-	-	-	-	-	-
6	31.3	33.0	-	28.0	38.0	20.5	18.0
7	23.0	28.6	31.8	33.0	33.0	29.7	28.0
8	27.3	26.2	22.0	25.5	27.0	27.2	27.1
9	25.9	28.6	22.6	28.0	28.0	25.3	24.0
10	25.3	27.5	26.0	25.1	26.7	27.1	25.3
11	26.3	26.7	28.4	25.2	29.6	24.7	24.7
12	26.1	26.8	24.2	25.6	26.8	25.2	23.8
13	25.4	26.1	26.4	29.0	27.2	24.7	23.8
14	23.4	26.0	25.9	26.6	27.8	23.4	25.0
15	26.6	27.8	27.3	23.7	25.4	27.0	24.9
16	28.9	28.8	26.9	27.8	28.2	26.8	24.5
17	26.8	25.2	26.1	27.6	26.5	25.0	25.6
18	29.7	30.3	28.8	28.2	27.1	27.5	24.4
19	26.8	27.8	30.1	30.0	29.9	24.7	27.5
20	27.7	28.2	29.2	34.0	28.8	29.7	28.4
21	31.8	25.5	29.7	30.1	28.0	29.2	34.4
22	28.6	26.2	29.4	34.9	27.4	29.8	29.0
23	29.7	29.2	31.3	32.2	36.3	36.8	31.8
24	29.2	28.0	38.0	30.5	-	33.0	30.5

10-12	26.2	26.7	26.8	25.4	28.0	25.0	24.2
14-16	27.5	28.3	27.2	25.7	26.7	26.9	24.7
0-24	26.9	27.5	27.3	27.7	27.7	26.3	25.4

7 Day Ave 27.0

85th Percentile

Hr Ending	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
1	-	18.2	-	-	33.0	38.5	-
2	28.3	-	-	28.8	-	-	-
3	33.2	34.0	38.5	33.2	-	-	33.1
4	-	-	-	39.0	-	-	-
5	-	-	-	-	-	-	-
6	38.5	38.1	-	28.1	48.4	24.0	18.5
7	28.3	33.0	38.2	33.1	43.4	33.2	38.8
8	33.3	33.3	28.6	28.8	33.3	33.4	33.8
9	28.0	33.5	33.5	33.4	34.0	33.4	33.3
10	33.5	33.9	33.7	33.5	33.8	38.3	34.0
11	33.2	33.5	33.9	33.1	33.7	33.5	33.8
12	33.9	33.4	33.4	33.1	33.4	38.1	28.7
13	33.6	33.8	33.3	33.2	38.7	33.5	33.9
14	33.8	33.8	33.3	38.0	38.3	29.0	33.9
15	33.9	33.7	38.2	33.7	33.4	33.6	33.4
16	33.3	33.7	33.5	33.5	33.4	33.9	33.1
17	33.5	34.0	33.2	33.6	33.9	33.7	34.0
18	33.1	33.3	33.6	38.2	33.1	33.4	33.8
19	33.6	33.5	38.4	33.5	33.6	28.7	33.7
20	33.4	33.4	33.9	38.7	33.3	38.1	33.4
21	39.0	38.7	33.5	33.8	33.1	33.8	38.0
22	38.1	33.2	38.2	43.4	33.2	38.7	33.2
23	33.9	33.4	33.7	38.9	38.1	43.5	43.2
24	38.6	43.5	43.7	38.7	-	48.2	38.5

10-12	33.3	33.8	33.6	33.1	33.4	33.2	33.4
14-16	33.1	33.5	38.8	33.6	34.0	33.3	33.1
0-24	33.5	33.4	33.2	33.7	33.5	33.8	33.3

7 Day Ave 33.5

Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

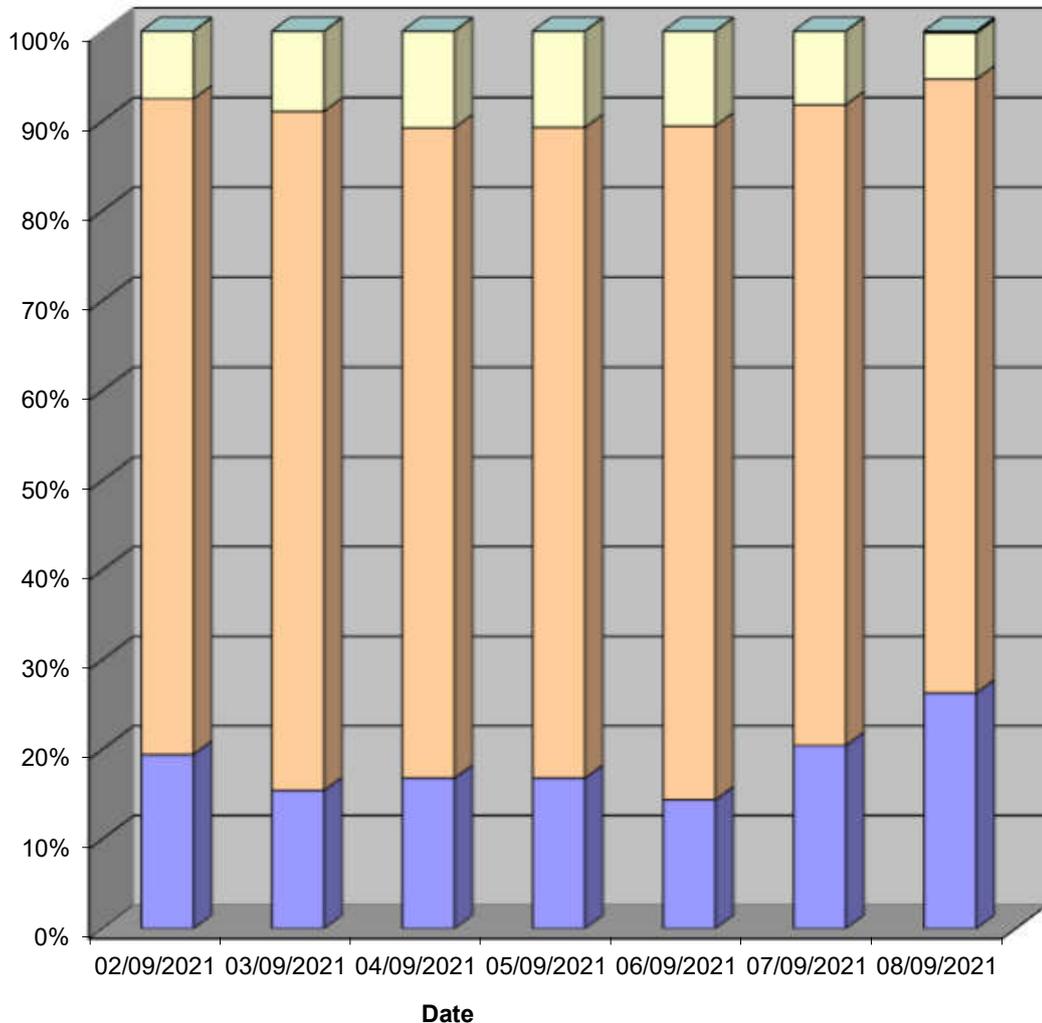
Speed Summary

Week 1

Speed (MPH)	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday
0-20	62	57	50	47	49	85	118
21-35	233	280	216	203	256	297	307
36-50	24	33	32	30	36	34	23
51-100	0	0	0	0	0	0	1

TOTAL	319	370	298	280	341	416	449
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Speed Summary (MPH)



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



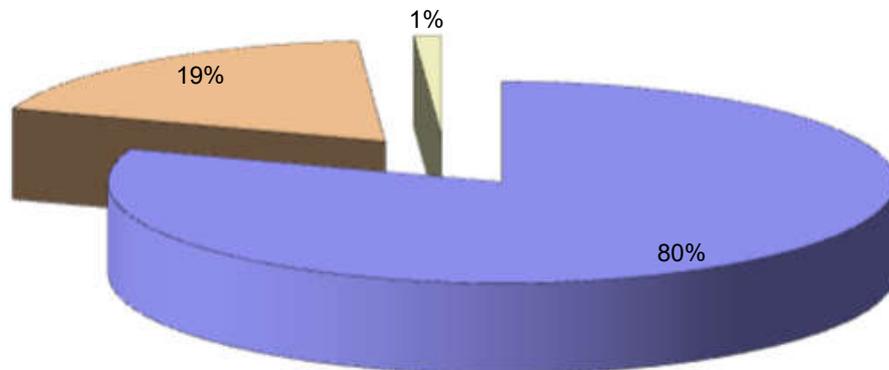
Channel 2 - Westbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
02/09/2021				
7-19	205	59	0	264
6-22	241	66	0	307
6-24	246	68	0	314
0-24	250	69	0	319
03/09/2021				
7-19	246	54	0	300
6-22	288	59	0	347
6-24	302	64	0	366
0-24	305	65	0	370
04/09/2021				
7-19	228	31	0	259
6-22	254	37	0	291
6-24	258	39	0	297
0-24	258	40	0	298
05/09/2021				
7-19	204	29	0	233
6-22	233	33	0	266
6-24	239	35	0	274
0-24	244	36	0	280
06/09/2021				
7-19	224	64	1	289
6-22	258	74	2	334
6-24	261	74	2	337
0-24	263	76	2	341
07/09/2021				
7-19	282	74	12	368
6-22	311	79	12	402
6-24	320	81	12	413
0-24	322	82	12	416
08/09/2021				
7-19	302	82	14	398
6-22	337	89	14	440
6-24	342	90	14	446
0-24	344	91	14	449
Average				
7-19	242	56	4	302
6-22	275	62	4	341
6-24	281	64	4	350
0-24	284	66	4	353

Total Vehicle Class Distribution



Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	309	351	279	243	319	389	422	358	330
Mean Speed	27.1	27.4	27.9	27.5	27.5	26.1	24.9	26.6	26.9
85%ile Speed	33.1	33.1	33.1	33.5	33.5	33.5	33.8	33.4	33.4
No. Vehicles > 30 MPH Limit	85	109	102	86	107	91	91	97	93
% Vehicles > 30 MPH Limit	27.5	31.1	36.6	27.2	33.5	23.4	21.6	27.4	28.7
No. Vehicles > 45 MPH	1	1	1	1	0	0	1	1	1
% Vehicles > 45 MPH	0.3	0.3	0.4	0.4	0.0	0.0	0.2	0.2	0.2

Channel 2 - Westbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	318	370	288	280	341	416	448	375	383
Mean Speed	28.9	27.5	27.3	27.7	27.7	26.3	25.4	26.9	27.0
85%ile Speed	33.5	33.4	33.2	33.7	33.5	33.8	33.3	33.5	33.5
No. Vehicles > 30 MPH Limit	101	131	87	104	121	110	118	116	110
% Vehicles > 30 MPH Limit	31.7	35.4	29.2	37.1	35.5	26.4	26.3	31.1	31.7
No. Vehicles > 45 MPH	1	1	0	2	2	1	1	1	1
% Vehicles > 45 MPH	0.3	0.3	0.0	0.7	0.6	0.2	0.2	0.3	0.3

Channels 1+2 - Eastbound & Westbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	628	721	577	523	660	805	871	737	684
Mean Speed	27.0	27.5	27.6	27.6	27.6	26.2	25.2	26.7	26.9
85%ile Speed	33.3	33.3	33.1	33.6	33.5	33.6	33.5	33.4	33.4
No. Vehicles > 30 MPH Limit	186	240	189	170	228	201	209	213	203
% Vehicles > 30 MPH Limit	29.6	33.3	32.8	32.5	34.5	25.0	24.0	29.3	30.2
No. Vehicles > 45 MPH	2	2	1	3	2	1	2	2	2
% Vehicles > 45 MPH	0.3	0.3	0.2	0.6	0.3	0.1	0.2	0.3	0.3

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HDV + 2 Axle (Class modified) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
5	Rigid 2 Axle HDV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HDV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HDV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Glewstone ATC 1, Glewstone (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	207	237	211	183	224	275	305	250	235
Mean Speed	28.8	28.1	28.5	27.6	28.4	26.9	26.8	27.8	27.9
85%ile Speed	33.3	34.5	34.4	33.9	35.0	33.1	34.4	34.0	34.1
No. Vehicles > 30 MPH Limit	57	77	77	49	70	60	73	67	66
% Vehicles > 30 MPH Limit	27.5	32.5	36.5	26.8	31.3	21.8	23.9	27.4	28.6
No. Vehicles > 45 MPH	1	1	1	1	0	0	1	1	1
% Vehicles > 45 MPH	0.5	0.4	0.5	0.5	0.0	0.0	0.3	0.2	0.3

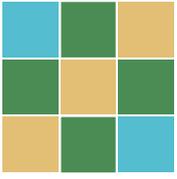
Channel 2 - Westbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	229	279	221	226	247	287	313	271	257
Mean Speed	27.7	27.5	29.5	29.6	29.2	28.1	26.7	27.9	28.3
85%ile Speed	34.1	33.8	35.8	34.9	36.1	35.4	33.8	34.6	34.8
No. Vehicles > 30 MPH Limit	70	99	68	82	92	81	80	84	82
% Vehicles > 30 MPH Limit	30.6	35.5	30.8	36.3	37.2	28.2	25.6	31.4	32.0
No. Vehicles > 45 MPH	1	1	0	2	1	1	1	1	1
% Vehicles > 45 MPH	0.4	0.4	0.0	0.9	0.4	0.3	0.3	0.4	0.4

Channels 1+2 - Eastbound & Westbound

	02/09/2021 Thursday	03/09/2021 Friday	04/09/2021 Saturday	05/09/2021 Sunday	06/09/2021 Monday	07/09/2021 Tuesday	08/09/2021 Wednesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	436	516	432	409	471	562	618	521	492
Mean Speed	28.2	27.8	29.0	28.6	28.8	27.5	26.8	27.8	28.1
85%ile Speed	33.7	34.2	35.1	34.4	35.5	34.2	34.1	34.3	34.5
No. Vehicles > 30 MPH Limit	127	176	145	131	162	141	153	152	148
% Vehicles > 30 MPH Limit	29.1	34.1	33.6	32.0	34.4	25.1	24.8	29.5	30.4
No. Vehicles > 45 MPH	2	2	1	3	1	1	2	2	2
% Vehicles > 45 MPH	0.5	0.4	0.2	0.7	0.2	0.2	0.3	0.3	0.4

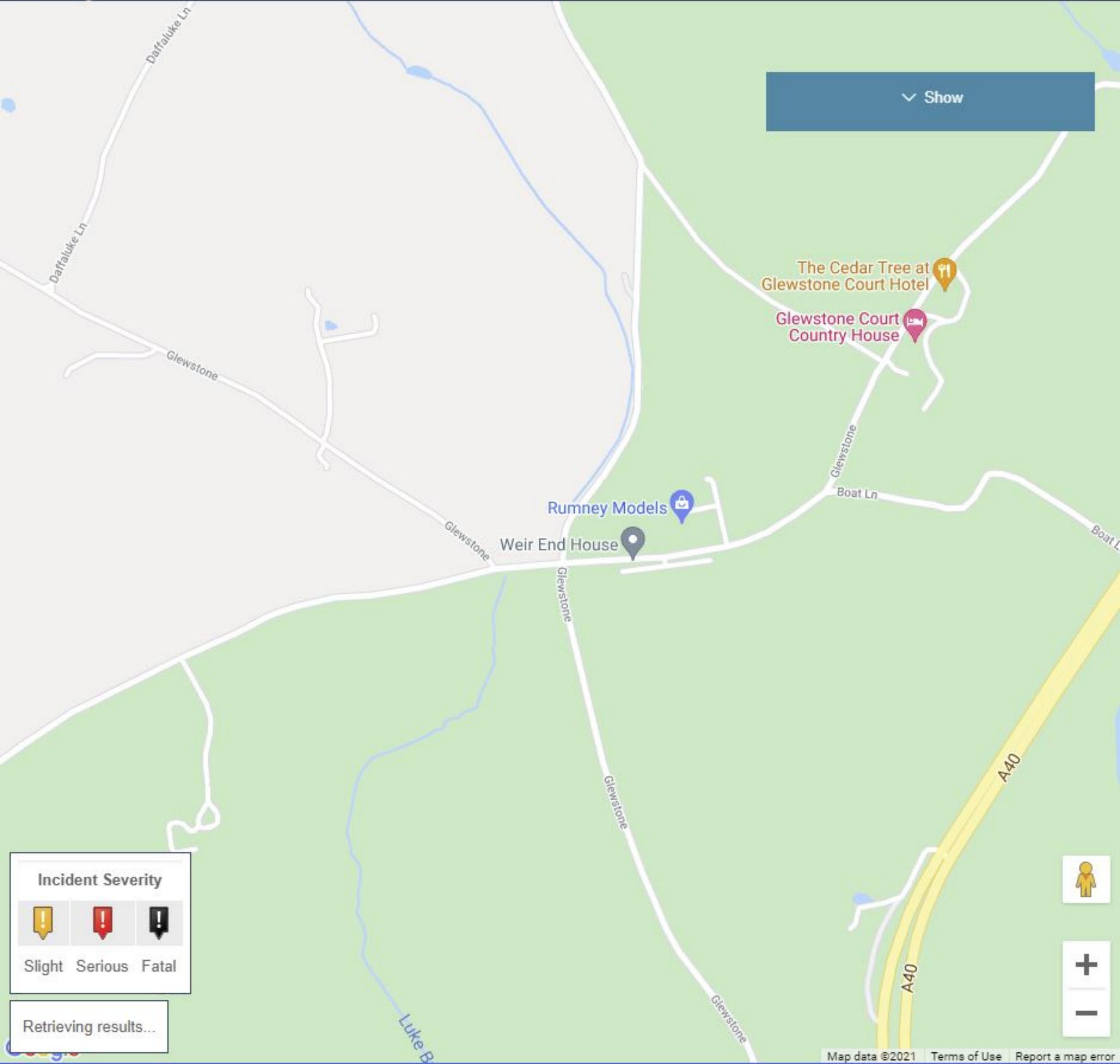
Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.



COTSWOLD
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Appendix C

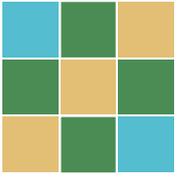
CrashMap Personal Injury
Collision Data Map Extract



Incident Severity

Slight	Serious	Fatal

Retrieving results...



COTSWOLD
TRANSPORT
PLANNING

Appendix D

Adopted Highway Boundary



LOCATION: GLEWSTONE

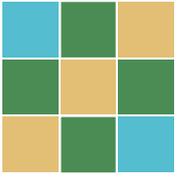
SCALE 1:2000

This plan is based on information that is currently available to the County of Herefordshire District Council. It is given on the strict understanding that neither the Council or any of its officers will be held responsible for the accuracy of this information or accept any liability whatsoever for any error or omission therein, or direct or consequential loss or damage arising from the interpretation or use of the information supplied. With regard to scale, this plan may be subject to distortions in scale and any measurements scaled from this plan may not match measurements between the same points on the ground. Please also be aware that the Ordnance Survey mapping that forms the basis of this plan may be up to 2 metres out at this scale. The enquirer should rely on the results of their own investigations.

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 Plough Lane, Hereford, HR4 0WZ.
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COTSWOLD
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Appendix E

Bus Timetables

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Service Restrictions	H
Whitchurch, adj Highway Star Diner	1040
Whitchurch, opp Crown Hotel	1041
Llangrove, opp School	1047
Llangarron, adj Shelter	1053
The Thorn, Thorn Farm House (NE-bound)	1057
Glewstone, Cross (E-bound)	1059
§ Ross-on-Wye, adj The Bridge at Wilton	1105
§ Ross-on-Wye, Wilton Road (SE-bound)	1106
§ Ross-on-Wye, Edde Cross Street (N-bound)	1107
§ Greytree, Greytree Road (Opposite 3)	1108
§ Ross-on-Wye, Five Ways (E-bound)	1108
§ Ross-on-Wye, Station Street (E-bound)	1109
Ross-on-Wye, Cantilupe Road (Stand 4)	1110

Saturdays

no service

Sundays

no service

Service Restrictions: H - Operates only on Thursdays

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Service Restrictions	H
Notes	s
Ross-on-Wye, Cantilupe Road (Stand 4)	1350
§ Ross-on-Wye, Wilton Road (NW-bound)	1351
§ Ross-on-Wye, opp The Bridge at Wilton	1354
Glewstone, Cross (W-bound)	1401
The Thorn, Thorn Farm House (SW-bound)	1403
§ Llangarron, opp Church	1406
Llangarron, opp Shelter	1407
Llangrove, adj School	1413
Whitchurch, adj Crown Hotel	14171
Whitchurch, opp Highway Star Diner	1418

Saturdays

no service

Sundays

no service

Service Restrictions: H - Operates only on Thursdays

Notes: s - Sets down only

1 - sets down only

§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at www.nextbuses.mobi (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.

SMS Code	Stop Name	Street	ATCO Code
herapgw	Whitchurch, adj Highway Star Diner	Old Ross Road	2090A20423
heradata	Whitchurch, opp Crown Hotel	Old Ross Road	2090A042700
herajmpt	Llangrove, opp School	Whitchurch to Llangrove Road	2090A19003
heradtdw	Llangarron, adj Shelter	unclassified road	2090A118403
herapjgd	The Thorn, Thorn Farm House (NE-bound)	unclassified road	2090A20483
heragdpm	Glewstone, Cross (E-bound)	unclassified road	2090A142500
heramwjd	Ross-on-Wye, adj The Bridge at Wilton	Wilton Road	2090A20060
heramwgv	Ross-on-Wye, Wilton Road (SE-bound)	Wilton Road	2090A20056
heramwgt	Ross-on-Wye, Edde Cross Street (N-bound)	Edde Cross Street	2090A20054
heradtjw	Greytree, Greytree Road (Opposite 3)	Greytree Road	2090A121400
heragwgp	Ross-on-Wye, Five Ways (E-bound)	Greytree Road	2090A18575
heramwdp	Ross-on-Wye, Station Street (E-bound)	Station Street	2090A20034
herapwdj	Ross-on-Wye, Cantilupe Road (Stand 4)	Cantilupe Road	2090A042102

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

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NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.

SMS Code	Stop Name	Street	ATCO Code
herapwdj	Ross-on-Wye, Cantilupe Road (Stand 4)	Cantilupe Road	2090A042102
heratjgp	Ross-on-Wye, Wilton Road (NW-bound)	Wilton Road	2090A0106220
heramwja	Ross-on-Wye, opp The Bridge at Wilton	Wilton Road	2090A20058
herajmpa	Glewstone, Cross (W-bound)	unclassified road	2090A18993
herapjga	The Thorn, Thorn Farm House (SW-bound)	unclassified road	2090A20481
herajmpj	Llangarron, opp Church	Llangarron to Glewstone Road	2090A18999
heradtdt	Llangarron, opp Shelter	unclassified road	2090A118401
heradtdp	Llangrove, adj School	Llangrove to Whitchurch Road	2090A118300
herapjgj	Whitchurch, adj Crown Hotel	unclassified road	2090A20488
herapjad	Whitchurch, opp Highway Star Diner	Old Ross Road	2090A20425

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Service Restrictions	F
Notes	s
Bridstow, opp School	0930
§ Bridstow, opp Whitecross Cottages	0930
Peterstow, opp Post Office	0933
Winters Cross, opp Lower Everstone Cottage	0936
Wilson Cross, opp Wilson Farm	0940
Glewstone, Cross (W-bound)	0943
The Thorn, Thorn Farm House (SW-bound)	0945
Llangarron, opp Shelter	0949
Llangrove, adj School	0955
Welsh Newton Common, adj Telephone Box	1008
Welsh Newton, adj Church	1014
§ Buckholt, nr Old Mill Farm	1017
§ Buckholt, opp St John's Church	1018
§ Manson, nr Old Inn Cottage	1018
§ Monmouth, before Royal Oak	1019
§ Monmouth, after Highfield Close	1020
§ Monmouth, nr Brocklands	1020
§ Monmouth, before Haberdashers' School	1020
§ Monmouth, before The Gardens	1021
Monmouth, after Clinic	10221
Monmouth, at Agincourt Square	1025
Monmouth, Bus Station (In YYY)	1027

Saturdays

no service

Sundays

no service

Service Restrictions: F - Operates only on Fridays

Notes: s - Sets down only

1 - sets down only

§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

0

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Service Restrictions	F
Notes	s
Monmouth, Bus Station (In YYY)	1250
Monmouth, at Agincourt Square	1252
§ Manson, nr Old Inn Cottage	1255
Welsh Newton, opp Church	1303
Welsh Newton Common, adj Telephone Box	13091
Llangrove, opp School	1321
Llangarron, adj Shelter	1328
§ Llangarron, adj Church	1328
The Thorn, Thorn Farm House (NE-bound)	1332
Glewstone, Cross (E-bound)	1334
Wilson Cross, adj Wilson Farm	1337
Winters Cross, adj Lower Everstone Cottage	1341
Peterstow, adj Post Office	1343
§ Bridstow, adj Whitecross Cottages	1344
§ Bridstow, adj Poolmill Turn	1344
Bridstow, adj School	1345

Saturdays

no service

Sundays

no service

Service Restrictions: F - Operates only on Fridays

Notes: s - Sets down only

1 - sets down only

§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at www.nextbuses.mobi (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.

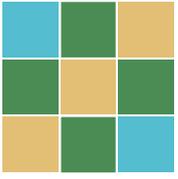
SMS Code	Stop Name	Street	ATCO Code
heragtdt	Bridstow, opp School	A49 Hereford Road	2090A18462
heramtw	Bridstow, opp Whitecross Cottages	A49	2090A20012
heragtdg	Peterstow, opp Post Office	A49	2090A18468
herajmjg	Winters Cross, opp Lower Everstone Cottage	Wilson Road	2090A18983
herajmjt	Wilson Cross, opp Wilson Farm	unclassified road	2090A18989
herajmpa	Glewstone, Cross (W-bound)	unclassified road	2090A18993
herapjga	The Thorn, Thorn Farm House (SW-bound)	unclassified road	2090A20481
heradtdt	Llangarron, opp Shelter	unclassified road	2090A118401
heradtdp	Llangrove, adj School	Llangrove to Whitchurch Road	2090A118300
herajmtm	Welsh Newton Common, adj Telephone Box	unclassified road	2090A19015
heradwdp	Welsh Newton, adj Church	A466	2090A125900
gweagpw	Buckholt, nr Old Mill Farm	Hereford Road	5330AWB33493
gweagta	Buckholt, opp St John's Church	Hereford Road	5330AWB33494
gweagwj	Manson, nr Old Inn Cottage	Hereford Road	5330AWB33488
gwejmat	Monmouth, before Royal Oak	Hereford Road	5330AWB31212
gwejgmj	Monmouth, after Highfield Close	Hereford Road	5330AWB31210
gwejgmd	Monmouth, nr Brocklands	Hereford Road	5330AWB31214
gwegmgw	Monmouth, before Haberdashers' School	Hereford Road	5330ANZ16911
gwegtj	Monmouth, before The Gardens	Hereford Road	5330ANZ16908
gwejmda	Monmouth, after Clinic	Dixton Road	5330AWB31322
gwejmw	Monmouth, at Agincourt Square	Priority Street	5330AWB31205
gwejpdg	Monmouth, Bus Station (In YYY)	Monnow Street	5330AWB31203

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at www.nextbuses.mobi (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.

SMS Code	Stop Name	Street	ATCO Code
gwejpgd	Monmouth, Bus Station (In YYY)	Monnow Street	5330AWB31203
gwemjtg	Monmouth, at Agincourt Square	Priory Street	5330AWB31204
gweagwm	Manson, nr Old Inn Cottage	Hereford Road	5330AWB33489
heragpmw	Welsh Newton, opp Church	A466	2090A18400
herajmtm	Welsh Newton Common, adj Telephone Box	unclassified road	2090A19015
herajmpt	Llangrove, opp School	Whitchurch to Llangrove Road	2090A19003
heradtdw	Llangarron, adj Shelter	unclassified road	2090A118403
herajmpg	Llangarron, adj Church	Herbert's Hill Road	2090A18997
herapjgd	The Thorn, Thorn Farm House (NE-bound)	unclassified road	2090A20483
heragdpm	Glewstone, Cross (E-bound)	unclassified road	2090A142500
herajmjw	Wilson Cross, adj Wilson Farm	unclassified road	2090A18991
herajmjd	Winters Cross, adj Lower Everstone Cottage	Wilson Road	2090A18981
heradtdg	Peterstow, adj Post Office	A49	2090A117701
heramtwp	Bridstow, adj Whitecross Cottages	A49	2090A20010
heragtdp	Bridstow, adj Poolmill Turn	A49 Ross Road	2090A18460
heragtdw	Bridstow, adj School	A49 Ross Road	2090A18464

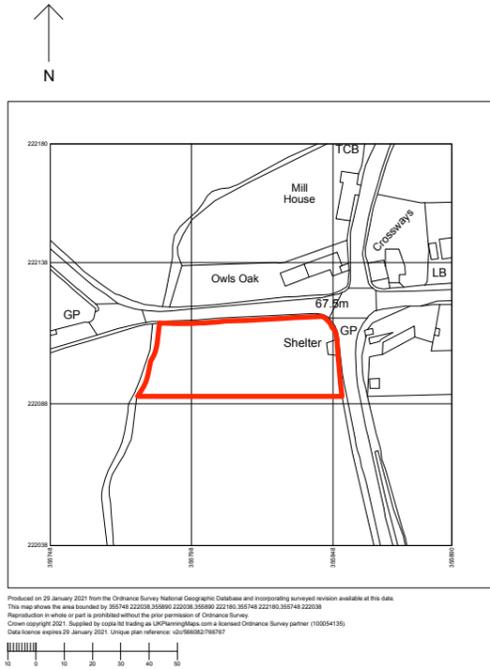
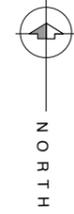


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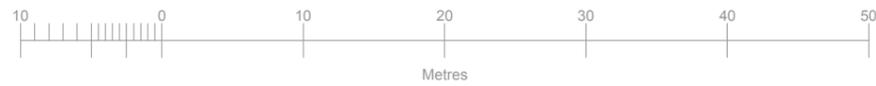
Appendix F

Illustrative Site Layout

Do not scale from this drawing all dimensions must be checked on site.

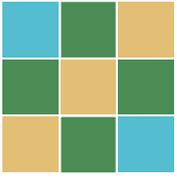


S i t e p l a n a s p r o p o s e d



A - Access position amended - October 2021

<p>JAMES SPRECKLEY MRICS FIAV</p> <p>Brimmoop House Brimmoop Hereford HR4 7AS tel: 01432 761777 fax: 01432 761722</p>	<p>■ This is not a complete working drawing: for Planning and Building Regulation use only. Additional information may be required as the work proceeds.</p> <p>□ This is a scheme based on an enlarged O.S. extract and as such is subject to a site survey.</p> <p>■ Services and ground investigations were not available at the date of this drawing.</p> <p>■ Crown Copyright Reserved. This drawing is for use only with named site and is Copyright.</p>	<p>January 2021 Scale 1:2500 :500 @A3</p> <p>□ Preliminary □ First issue ■ Revision</p>
	<p>Proposed residential development at Glewstone, Herefordshire.</p> <p>Site location plan & site plan as proposed.</p>	<p>Drawing No 1822.00A</p>

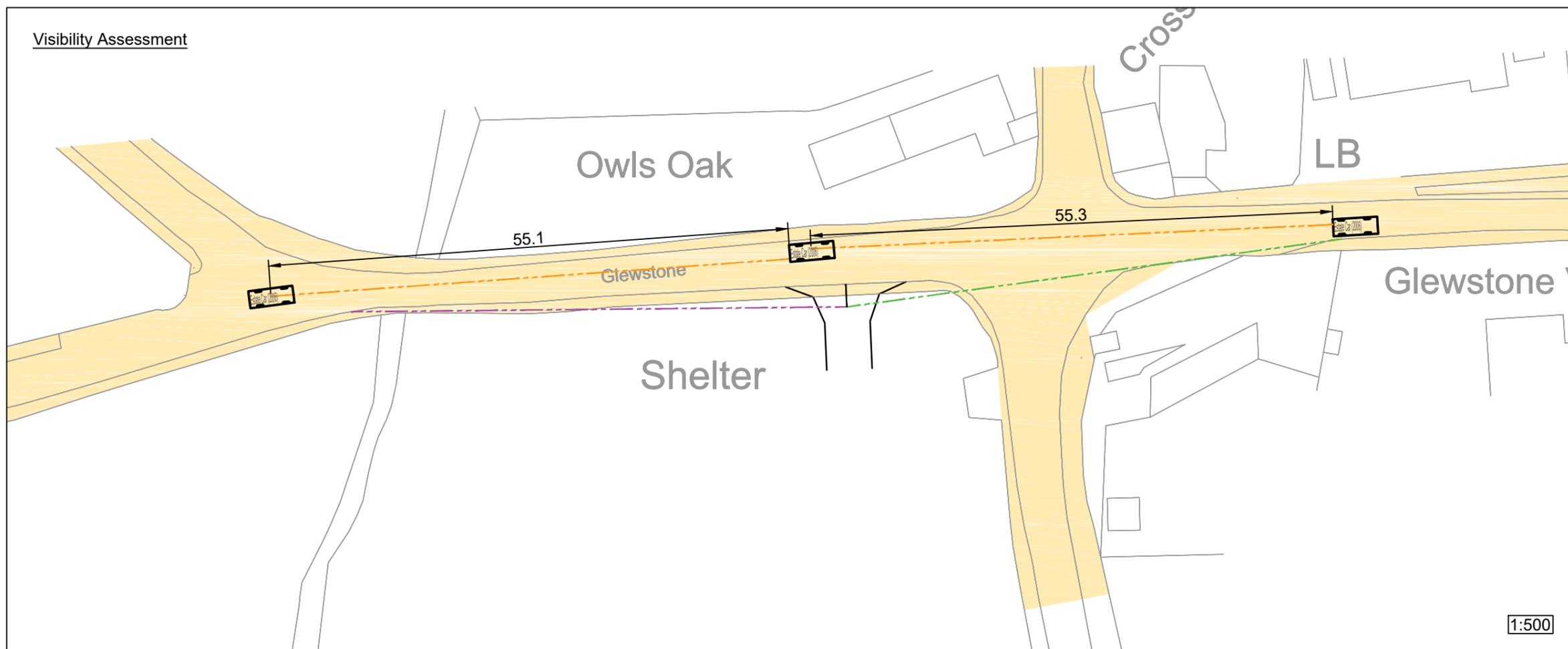


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Appendix G

Site Access Arrangements

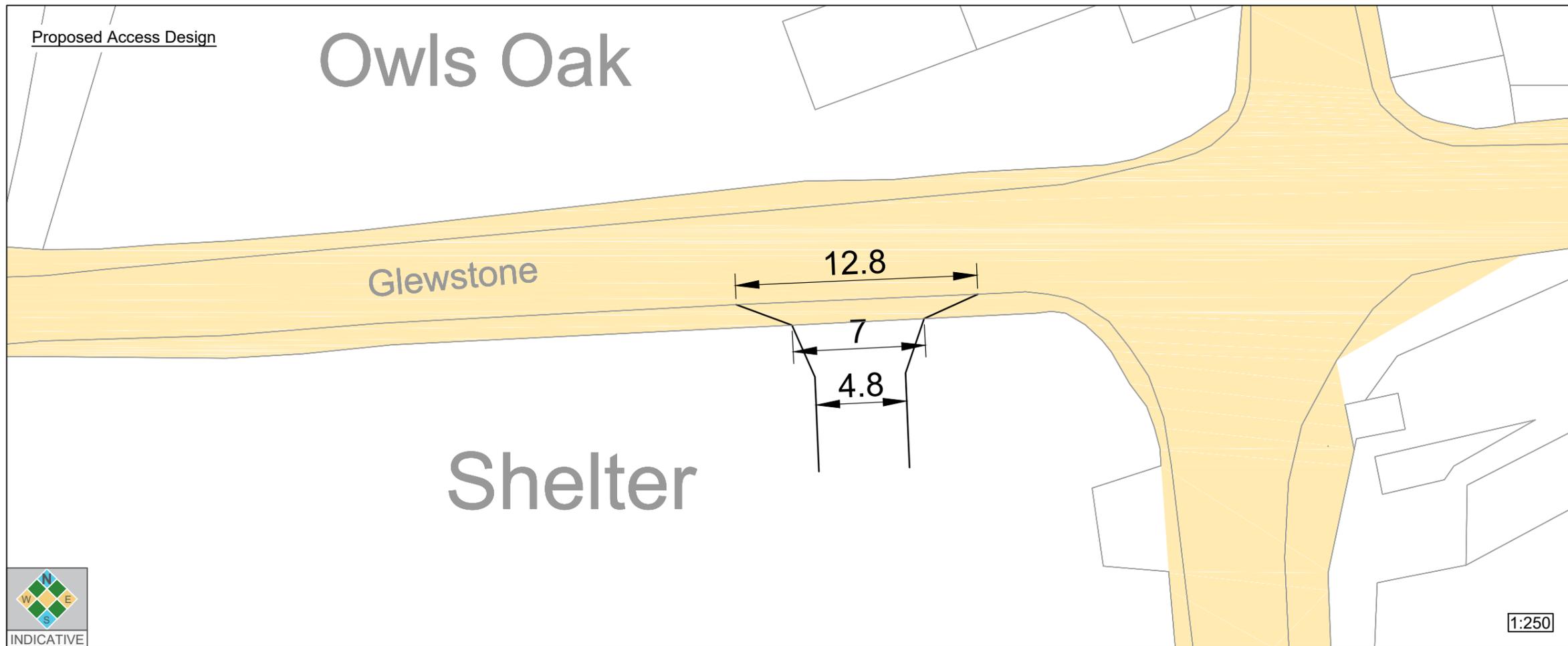
Visibility Assessment



- Notes:
1. Ordnance Survey, (c) Crown Copyright 2020. All rights reserved. Licence number 100022432.
 2. Do not scale from this drawing work from figured dimensions only.
 3. All dimensions are shown in metres unless noted otherwise.
 4. Highway boundary information has been provided by Herefordshire Council and has been overlaid by Cotswold Transport Planning onto the topographical survey on a best fit basis. CTP accepts no liability for the accuracy of the data provided and the highway boundary information shown is subject to checks by a licensed conveyancer.

- KEY:
- Visibility Splay 2.4m x 52.7m
Based on a Recorded 85th Percentile Eastbound speeds of 33.4 mph
 - Visibility Splay 2.4m x 52.9m
Based on a Recorded 85th Percentile Westbound speeds of 33.5 mph
 - Forward Visibility Splay
 - Highway Boundary
(Transcribed Highway Boundary based on Herefordshire Council)

Proposed Access Design



Rev	Date	Details	Drawn by	Checked by



CLIENT:
James Spreckley Ltd

PROJECT:
Land South of Glewstone Crossroads

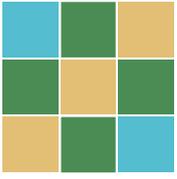
TITLE:
Site Access Arrangements & Visibility Assessment

STATUS:
INFORMATION

SCALE @ A3: As Shown	DATE: 14.10.2021	DRAWN: FA	CHECKED: MW	APPROVED: MG
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JOB NO: 21-0588	DRAWING NO: SK01	REVISION: -
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Appendix H

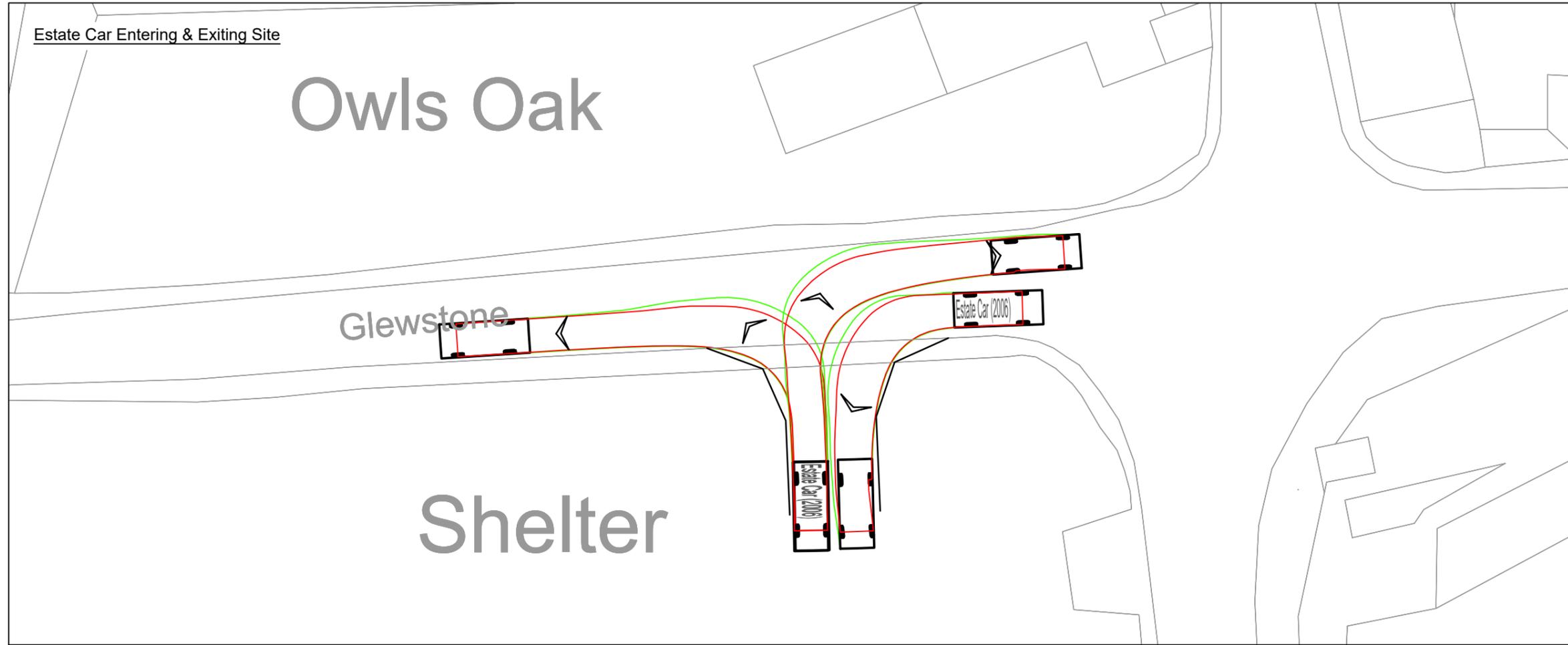
Site Access Arrangements -
Swept Path Analysis

Estate Car Entering & Exiting Site

Owls Oak

Glewstone

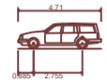
Shelter



Notes:

1. Ordnance Survey, (c) Crown Copyright 2020. All rights reserved. Licence number 100022432.
2. Do not scale from this drawing work from figured dimensions only.
3. All dimensions are shown in metres unless noted otherwise.
4. Swept Path Analysis is based on vehicle profile below.

Vehicle Profile



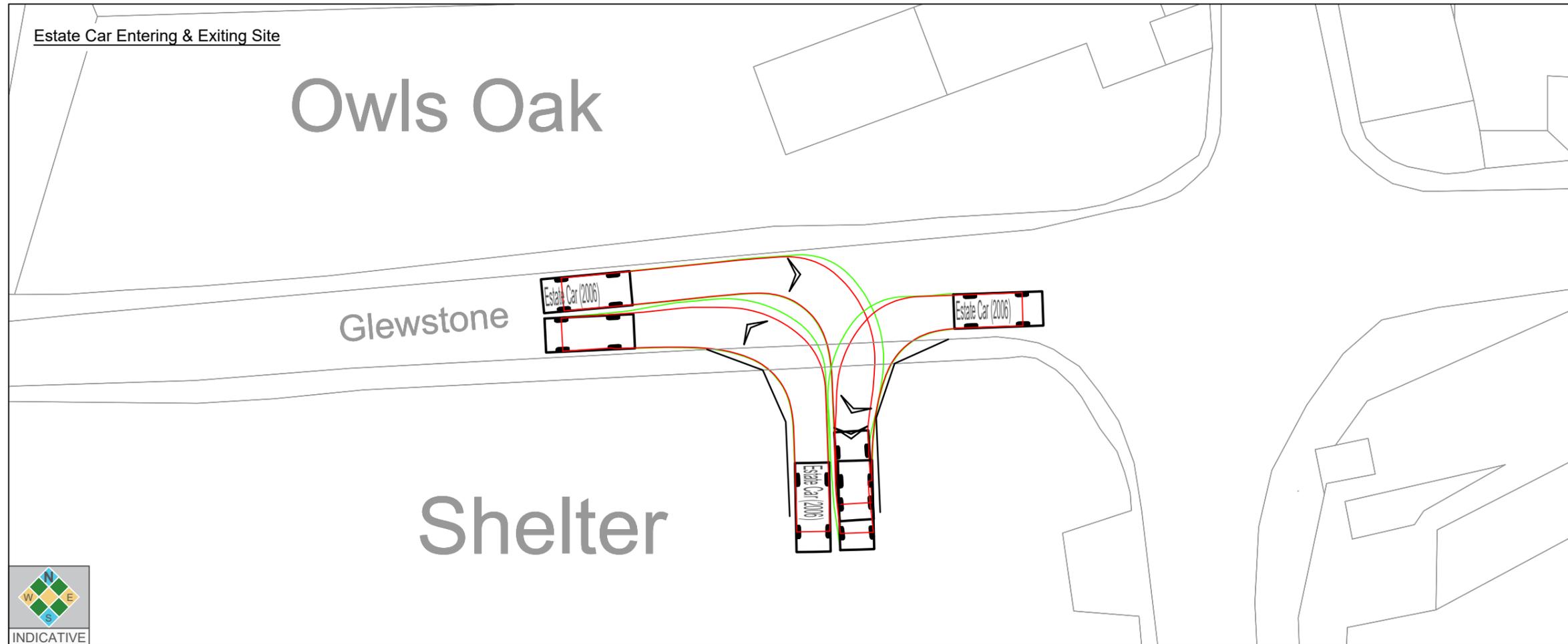
Estate Car (2006)	4.710m
Overall Length	1.804m
Overall Width	1.442m
Min Body Ground Clearance	0.297m
Max Track Width	1.756m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.950m

Estate Car Entering & Exiting Site

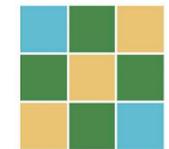
Owls Oak

Glewstone

Shelter



Rev	Date	Details	Drawn by	Checked by



**COTSWOLD
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PLANNING**

CLIENT:

James Spreckley Ltd

PROJECT:

**Land South of Glewstone
Crossroads**

TITLE:

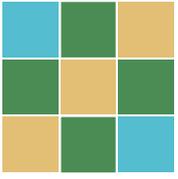
**Site Access Arrangements
Swept Path Analysis -
Estate Car**

STATUS:

INFORMATION

SCALE @ A3:	DATE:	DRAWN:	CHECKED:	APPROVED:
1 : 250	14.10.2021	FA	MW	MG

JOB NO:	DRAWING NO:	REVISION:
21-0588	SP01	-



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Appendix I

TRICS Data

Calculation Reference: AUDIT-701101-210917-0916

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED
 TOTAL VEHICLES

Selected regions and areas:

04	EAST ANGLIA	
	NF NORFOLK	2 days
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
10	WALES	
	VG VALE OF GLAMORGAN	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: No of Dwellings
 Actual Range: 10 to 18 (units:)
 Range Selected by User: 5 to 20 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 09/09/20

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Wednesday	4 days
Thursday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	5 days
Directional ATC Count	1 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	5

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	6
------------------	---

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

C3 6 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000 1 days
10,001 to 15,000 3 days
15,001 to 20,000 2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000 2 days
50,001 to 75,000 2 days
75,001 to 100,000 1 days
125,001 to 250,000 1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0 3 days
1.1 to 1.5 3 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No 6 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present 6 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	NF-03-A-03 HALING WAY THETFORD	DETACHED HOUSES	NORFOLK
	Edge of Town Residential Zone Total No of Dwellings:	10	
	Survey date: WEDNESDAY	16/09/15	Survey Type: MANUAL
2	NF-03-A-10 HUNSTANTON ROAD HUNSTANTON	MIXED HOUSES & FLATS	NORFOLK
	Edge of Town Residential Zone Total No of Dwellings:	17	
	Survey date: WEDNESDAY	12/09/18	Survey Type: DIRECTIONAL ATC COUNT
3	NY-03-A-13 CATTERICK ROAD CATTERICK GARRISON OLD HOSPITAL COMPOUND Suburban Area (PPS6 Out of Centre) Residential Zone	TERRACED HOUSES	NORTH YORKSHIRE
	Total No of Dwellings:	10	
	Survey date: WEDNESDAY	10/05/17	Survey Type: MANUAL
4	SF-03-A-05 VALE LANE BURY ST EDMUNDS	DETACHED HOUSES	SUFFOLK
	Edge of Town Residential Zone Total No of Dwellings:	18	
	Survey date: WEDNESDAY	09/09/15	Survey Type: MANUAL
5	SH-03-A-06 ELLESMERE ROAD SHREWSBURY	BUNGALOWS	SHROPSHIRE
	Edge of Town Residential Zone Total No of Dwellings:	16	
	Survey date: THURSDAY	22/05/14	Survey Type: MANUAL
6	VG-03-A-01 ARTHUR STREET BARRY	SEMI-DETACHED & TERRACED	VALE OF GLAMORGAN
	Edge of Town Residential Zone Total No of Dwellings:	12	
	Survey date: MONDAY	08/05/17	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	6	14	0.096	6	14	0.229	6	14	0.325
08:00 - 09:00	6	14	0.084	6	14	0.289	6	14	0.373
09:00 - 10:00	6	14	0.084	6	14	0.193	6	14	0.277
10:00 - 11:00	6	14	0.217	6	14	0.181	6	14	0.398
11:00 - 12:00	6	14	0.133	6	14	0.157	6	14	0.290
12:00 - 13:00	6	14	0.217	6	14	0.217	6	14	0.434
13:00 - 14:00	6	14	0.157	6	14	0.157	6	14	0.314
14:00 - 15:00	6	14	0.169	6	14	0.133	6	14	0.302
15:00 - 16:00	6	14	0.193	6	14	0.205	6	14	0.398
16:00 - 17:00	6	14	0.253	6	14	0.157	6	14	0.410
17:00 - 18:00	6	14	0.265	6	14	0.145	6	14	0.410
18:00 - 19:00	6	14	0.229	6	14	0.181	6	14	0.410
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.097			2.244			4.341

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

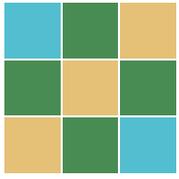
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Parameter summary

Trip rate parameter range selected: 10 - 18 (units:)
 Survey date range: 01/01/13 - 09/09/20
 Number of weekdays (Monday-Friday): 6
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys automatically removed from selection: 0
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.



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