

**PROPOSED RESIDENTIAL DEVELOPMENT**  
**NORTHFIELD FARM, GLOUCESTERSHIRE, GL54 4LL**  
**TECHNICAL NOTE 4**  
**23<sup>RD</sup> NOVEMBER 2023**

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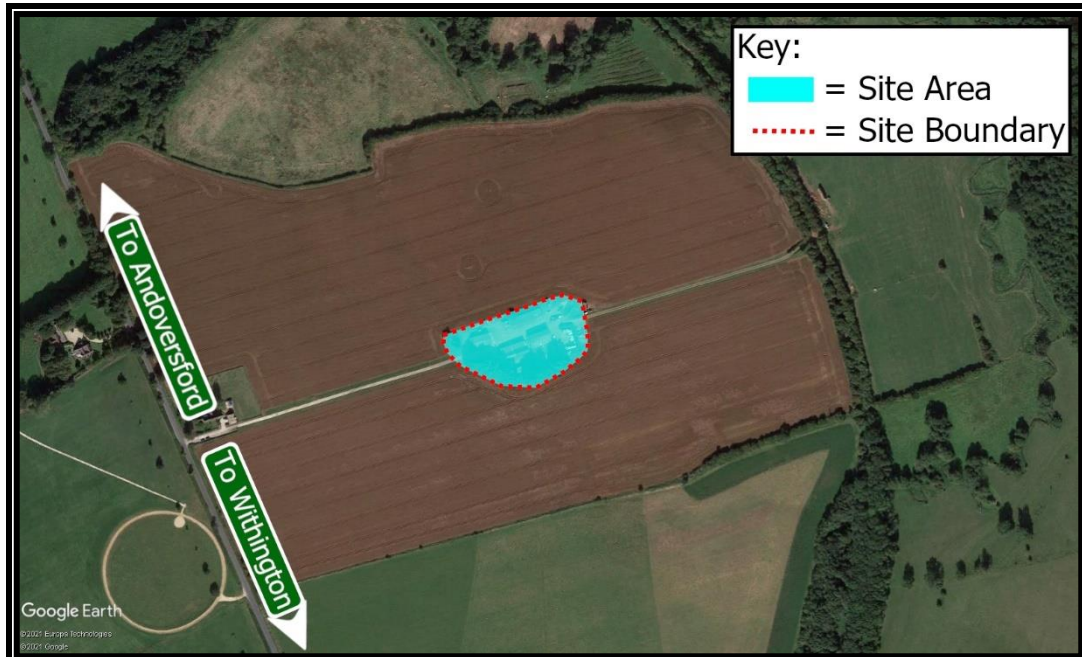
**1.0 Introduction**

- 1.1 Connect Consultants Limited is a firm of transport planning and highways design consultants that have been instructed with regards to proposals for a residential development on the site of Northfield Farm, between Andoversford to the north and Withington to the south, in Gloucestershire.
- 1.2 This Technical Note 4 has been produced to provide an appraisal of the transport matters relating to the proposed development, including the site's accessibility and vehicular access arrangements.
- 1.3 The proposals are similar to a previous planning application (LPA reference 22/00605/FUL) which is the subject of Gloucestershire County Council's (GCC) highway consultation response dated 18<sup>th</sup> April 2022.
- 1.4 GCC noted in their response that the proposed development is *"likely to generate a similar number of vehicle movements to the existing agricultural use and will therefore be unlikely to cause a severe cumulative impact"*.
- 1.5 GCC also considered the vision splays where the site access meets Withington Road to be acceptable.

**2.0 Site Location**

- 2.1 The proposal site is located on the site of Northfield Farm.
- 2.2 The site is currently occupied by redundant farm buildings and is bound to the north by a residential dwelling, but is otherwise surrounded by undeveloped land.
- 2.3 The site is accessed via an unmade track that, at its western end, forms a priority T-junction with a road that for the purposes of this report will be referred to as Withington Road.
- 2.4 **Figure 1** below shows the proposal site in its local context.

**Figure 1 – Site Context**



Source: Google Earth.

### 3.0 Access to Facilities

3.1 Numerous facilities are available within both Andoversford and Withington as shown in **Figure 2** and **Figure 3**. Andoversford is approximately 3.4km distant to the north and Withington approximately 2km distant to the south.

**Figure 2 – Local Facilities (Andoversford)**



Source: Google Earth. N.B. All locations approximate.

**Figure 3 – Local Facilities (Withington)**



Source: Google Earth. N.B. All Locations Approximate.

- 3.2 The proposed dwellings therefore benefit from being within close proximity of a range of local services.

#### **4.0 Proposed Development**

##### Introduction & Built Form

- 4.1 The proposed development includes a total of five residential dwellings, converted from existing barns on the proposal site. The proposed site layout can be seen at **Appendix 1**. The units are referred to as units 1 to 5, respectively.
- 4.2 Units 1, 5 and 4 are 5-bed, units 2 and 3 are 3-bed.

##### Car Parking

- 4.3 Gloucestershire County Council (GCC) have previously indicated that they wish to see the their own, GCC parking standards applied to the development site. This would necessitate the 5-bed units having 3 car parking spaces each and the 3-bed units having 2 car parking spaces each.
- 4.4 GCC have previously indicated that garages are not counted as parking spaces.
- 4.5 Based on the above, the parking provision for the site can be seen at **Appendix 1**. All units have their parking spaces annotated with the words 'parking' at a rate of 2 or 3 spaces per unit, respectively.
- 4.6 Each dwelling has sufficient space within the curtilage of each plot to accommodate the occasional visitor parking.

##### Electric Vehicle Charging

- 4.7 Each dwelling will have a 7kw electric vehicle charging point as a minimum. This can be suitable conditioned if considered necessary.

- 4.8 It is noted that Annex 2 of the National Planning Policy Framework defines a sustainable mode of transport as follows:-

*"Any..means of transport with overall low impact on the environment, including ..ultra low and zero emission vehicles."*

#### Cycle Parking

- 4.9 Each unit has its own garage or car port. Each dwelling will have dedicated cycle parking.
- 4.10 Each car port/garage will have a built-in electric outlet to allow electric cycles to be charged; they are charged via a standard domestic 3-pin plug and do not require dedicated provision.
- 4.11 The proposed development therefore accords with local car and cycle parking standards.

#### Internal Layout

- 4.12 It is proposed that any gates providing access to driveways/parking areas will open inward, to the driveways. This is shown on the site layout plan at **Appendix 1**.

#### Proposed Access Arrangements onto the Highway

- 4.13 Vehicular, pedestrian and cycle access to the proposed dwellings will be via the existing junction onto Withington Road, to the southwest of the proposal site.
- 4.14 To inform visibility splay requirements, an Automatic Traffic Count (ATC) survey was conducted on Withington Road over the period between Saturday 14<sup>th</sup> August 2021 to Friday 20<sup>th</sup> August 2021. The ATC surveys continuously recorded vehicular flow as well as vehicular speeds across each hour-long period. A copy of the survey results can be seen at **Appendix 2**.
- 4.15 The ATC survey showed that the 85<sup>th</sup> percentile speed over the survey period was 55.1mph for southbound traffic and 53.7mph for northbound. Using the Stopping Sight Distance (SSD) calculation found in paragraph 10.1.5 of Manual for Streets 2 (MfS2) with a reaction time of 2 seconds and a deceleration rate of 0.25 this equates to a desirable minimum SSD of 176m to the north and a desirable minimum SSD of 168m to the south.
- 4.16 The drawing provided at **Appendix 3**, shows the visibility distances quoted above are achievable in both directions from the location of the existing access junction.
- 4.17 It is noted that the above values of 176m and 168m are based on the Design Manual for Roads and Bridges (DMRB) reaction time of 2 seconds and 0.25g deceleration rate (which is quoted in MfS2). The vision splays cannot be achieved to an object height of 0.26m for the entire splay length, but nevertheless, from a practical perspective, the splays provide suitable vision.
- 4.18 For lesser design speeds, a higher deceleration rate of up to 0.45g can be used and a quicker reaction time of 1.5 seconds.

- 4.19 At the site in question, unlike a motorway or typical trunk road where the DMRB is intended to be used, it is not possible to drive in the same manner as one would on a typical trunk road or motorway; a high degree of alertness and concentration is needed due to the road alignment, nature and type. Drivers who are travelling towards the higher end of the speed range recorded would be driving with this level of alertness, and would have an expectation that they would need to decelerate at a greater rate than the 0.25g figure in DRMB. It is therefore reasonable to also consider a lesser reaction time and a greater rate of deceleration.
- 4.20 If this is assumed to be the case and that drivers are therefore in a more prepared state to brake or alter their speed due to the prevailing road conditions and the reduced 1.5 second reaction time and 0.45g deceleration rate are applied, then the sightlines become 108m and 104m respectively. These sightlines are again achievable and might be more reflective of the actual driving conditions.
- 4.21 As noted above, the splays were previously considered to be acceptable to GCC, especially as they note that the proposals will not intensify traffic movements.

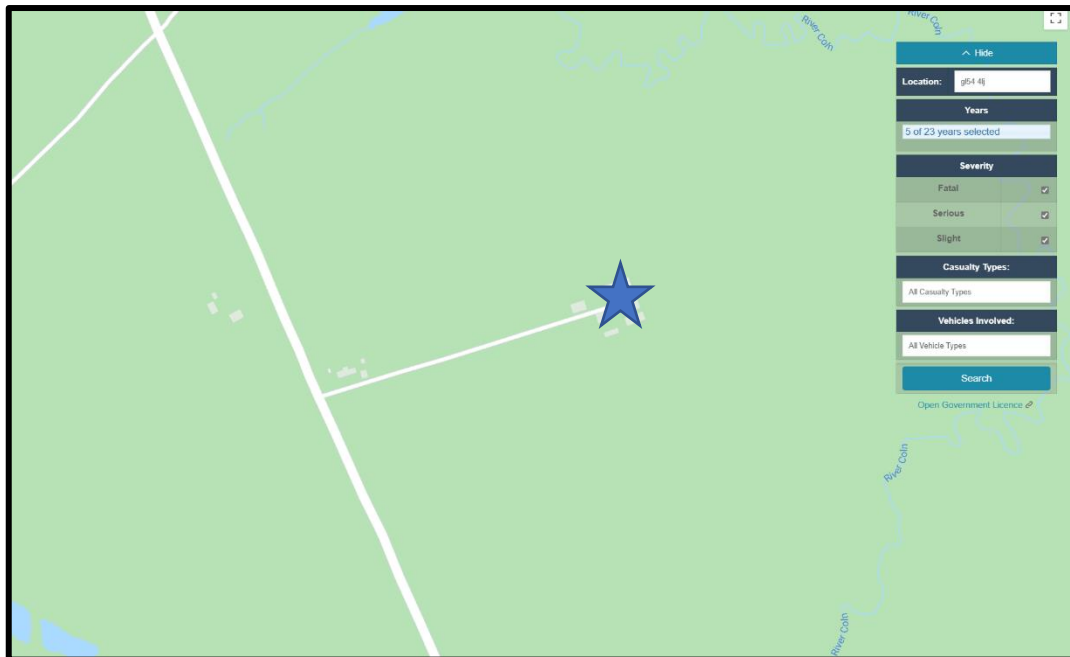
## 5.0 Traffic Data

- 5.1 The ATC survey described in paragraph 4.14 of this note also recorded hourly traffic flows on Withington Road. The survey showed that two-way traffic flows on Withington Road did not exceed 40 vehicles in any given hour period.
- 5.2 Withington Road is therefore a very lightly trafficked road, and is probably used by broadly the same drivers each day, with very few unfamiliar drivers.
- 5.3 It is typically accepted that a typical house would generate approximately seven vehicle movements each day, one or two of which taking place in each of the weekday AM and PM peak hours.
- 5.4 The vehicular trip generation of five residential units would be minimal, and the proposed development would not have a material effect on local road conditions.
- 5.5 The existing farm buildings themselves would have vehicle movements associated with them; when these are taken into consideration the net traffic effect of the proposal, is therefore negligible.

## 6.0 Collision Analysis

- 6.1 Collision Analysis has been undertaken for the proposed site access junction location, including the areas to the north and south of the proposal site on Withington Road.
- 6.2 Collision data has been obtained from CrashMap, an online database of personal injury collisions, collected and approved for release by the DfT.
- 6.3 The collision records in the study area have been reviewed over the five-year period of 2017 to 2022 inclusive.
- 6.4 **Figure 4** shows that there have been no collisions on Withington Road within the vicinity of the site access. Crashmap actually indicates that there have been no collisions in the vicinity of the site access over the past 24 years, this being the entirety of the database collection period.

**Figure 4 – Collision Study Area**



Source: Crashmap.com N.B. The site is denoted by a Blue Star.

## 7.0 Summary and Conclusions

### Summary

- 7.1 Connect Consultants Limited is a firm of transport planning and highways design consultants that have been instructed with regards to proposals for a residential development on the site of Northfield Farm, between Andoversford to the north and Withington to the south, in Gloucestershire.
- 7.2 The proposed development includes a total of five residential dwellings, converted from existing barns on the proposal site. The site is approximately 3.4km distant from Andoversford and 2km distant from Withington. Both of these locations have a range of facilities and amenities.
- 7.3 The development accords with car and cycle parking standards.
- 7.4 A traffic and speed survey has been conducted on Withington Road. It has been shown that sightlines suitable for the speed of traffic are achievable at the site access.
- 7.5 There is no history of collisions at the access or on the adjoining highway.
- 7.6 The vehicular trip generation of five residential units would be minimal, and the net traffic effect of the proposal is therefore negligible in terms of highway safety and traffic conditions.

### Conclusion

- 7.7 On the basis of the above, it is concluded that the development is acceptable from a transport perspective.

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Appendix 1	-	Proposed Site Layout
Appendix 2	-	ATC Data
Appendix 3	-	Visibility

# Appendix 1





**Key**

 Grass	 Gravel	 Tree planting
 Hedge	 Setts	 Field
 Planting	 Pond	

**Planning**  
 This drawing has been prepared for workstages up to planning application purposes only and is not intended for construction. The scale bar should only be used to check the drawing has been reproduced to the correct size. No responsibility can be accepted for errors made by others in "scaling" from this drawing.

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Scale 1:200 10m



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**Planning**  
**Proposed Site Plan**  
 Northfield Farm, Andoversford  
 Lowe Holdings Ltd  
 Scale: 1 : 200@A1 Date: Sept 2023  
 Drawn/Checked: PS/DG Drg No: 3136-003

Rev: B

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**Appendix 2**

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**Job Number & Title: SS456**

**Site Location: Withington Road, Cheltenham**

**Survey Date: 14th August 2021**

**Site Location Plan**





SS456 Witherington Road, Cheltenham

SATURDAY, 14 AUGUST 2021

Site	Location	Lat / Long	Direction	Start Date	End Date	Posted Speed Limit (PSL)	Total Vehicles	5 Day Ave.	7 Day Ave.	Posted Speed Limit (PSL)		110%(PSL) + 2 (SL1)		DfT PSL+15 (SL2)		Mean Speed	85%ile Speed
										>PSL	>PSL%	>SL1	>SL1%	>SL2	>SL2%		
1	Witherington Road, Cheltenham	N51.85279, W-1.96587	Northbound	Saturday, 14 August 2021	Friday, 20 August 2021	60	4293	632	613	193	4.5	41	1.0	8	0.2	44.2	53.7
			Southbound	Saturday, 14 August 2021	Friday, 20 August 2021		4072	601	582	209	5.1	30	0.7	6	0.1	45.9	55.1
			Two-Way	Saturday, 14 August 2021	Friday, 20 August 2021		8365	1233	1195	402	5	71	1	14	0	45	55



Job Name/ Title		Site	Location												
Saturday, 14 August 202 to Friday, 20 August 2021		1	Witherington Road, Cheltenham (N51.85279, W-1.96587)												
		Direction	Two-Way												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
<b>Saturday, 14 August 2021</b>															
0000	24	0	22	2	0	0	0	0	0	0	0	0	0	0	
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0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	3	0	2	1	0	0	0	0	0	0	0	0	0	0	
0500	9	0	9	0	0	0	0	0	0	0	0	0	0	0	
0600	12	1	8	3	0	0	0	0	0	0	0	0	0	0	
0700	32	0	28	4	0	0	0	0	0	0	0	0	0	0	
0800	35	3	28	4	0	0	0	0	0	0	0	0	0	0	
0900	79	3	67	9	0	0	0	0	0	0	0	0	0	0	
1000	81	3	69	9	0	0	0	0	0	0	0	0	0	0	
1100	104	3	95	6	0	0	0	0	0	0	0	0	0	0	
1200	108	6	86	14	0	0	0	0	1	0	1	0	0	0	
1300	100	3	78	15	1	3	0	0	0	0	0	0	0	0	
1400	76	6	64	6	0	0	0	0	0	0	0	0	0	0	
1500	71	3	57	10	0	0	0	0	1	0	0	0	0	0	
1600	69	2	58	9	0	0	0	0	0	0	0	0	0	0	
1700	84	6	71	7	0	0	0	0	0	0	0	0	0	0	
1800	93	1	86	6	0	0	0	0	0	0	0	0	0	0	
1900	66	1	57	7	0	0	0	0	1	0	0	0	0	0	
2000	34	1	32	1	0	0	0	0	0	0	0	0	0	0	
2100	30	0	29	1	0	0	0	0	0	0	0	0	0	0	
2200	17	0	16	1	0	0	0	0	0	0	0	0	0	0	
2300	17	0	14	1	1	1	0	0	0	0	0	0	0	0	
07-19	932	39	787	99	1	3	0	0	2	0	1	0	0	0	
06-22	1074	42	913	111	1	3	0	0	3	0	1	0	0	0	
06-00	1108	42	943	113	2	4	0	0	3	0	1	0	0	0	
00-00	1148	42	980	116	2	4	0	0	3	0	1	0	0	0	

Job Name/ Title		Site	1		Location	Witherington Road, Cheltenham (N51.85279, W-1.96587)									
Saturday, 14 August 202		to	Friday, 20 August 2021		Direction	Two-Way									
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<b>Sunday, 15 August 2021</b>															
0000	13	0	11	0	0	2	0	0	0	0	0	0	0	0	
0100	6	0	4	2	0	0	0	0	0	0	0	0	0	0	
0200	2	0	2	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0500	2	0	2	0	0	0	0	0	0	0	0	0	0	0	
0600	6	0	4	2	0	0	0	0	0	0	0	0	0	0	
0700	20	3	15	2	0	0	0	0	0	0	0	0	0	0	
0800	35	5	23	7	0	0	0	0	0	0	0	0	0	0	
0900	65	5	50	8	0	0	0	0	0	0	0	0	0	2	
1000	95	1	91	3	0	0	0	0	0	0	0	0	0	0	
1100	75	6	65	4	0	0	0	0	0	0	0	0	0	0	
1200	87	5	75	6	0	0	1	0	0	0	0	0	0	0	
1300	143	5	133	3	2	0	0	0	0	0	0	0	0	0	
1400	83	2	78	3	0	0	0	0	0	0	0	0	0	0	
1500	82	2	73	6	0	0	0	0	1	0	0	0	0	0	
1600	94	8	81	3	0	0	1	0	1	0	0	0	0	0	
1700	80	5	72	3	0	0	0	0	0	0	0	0	0	0	
1800	63	0	60	2	0	0	0	0	0	1	0	0	0	0	
1900	23	0	23	0	0	0	0	0	0	0	0	0	0	0	
2000	34	1	28	5	0	0	0	0	0	0	0	0	0	0	
2100	25	0	23	2	0	0	0	0	0	0	0	0	0	0	
2200	9	0	8	1	0	0	0	0	0	0	0	0	0	0	
2300	8	0	5	2	1	0	0	0	0	0	0	0	0	0	
07-19	922	47	816	50	2	0	2	0	2	1	0	0	0	2	
06-22	1010	48	894	59	2	0	2	0	2	1	0	0	0	2	
06-00	1027	48	907	62	3	0	2	0	2	1	0	0	0	2	
00-00	1050	48	926	64	3	2	2	0	2	1	0	0	0	2	

Job Name/ Title		Site	1		Location	Witherington Road, Cheltenham (N51.85279, W-1.96587)									
Saturday, 14 August 202		to	Friday, 20 August 2021		Direction	Two-Way									
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<b>Monday, 16 August 2021</b>															
0000	6	0	5	0	1	0	0	0	0	0	0	0	0	0	
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0200	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
0300	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
0400	3	0	3	0	0	0	0	0	0	0	0	0	0	0	
0500	10	0	8	2	0	0	0	0	0	0	0	0	0	0	
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1000	82	0	75	7	0	0	0	0	0	0	0	0	0	0	
1100	78	0	65	13	0	0	0	0	0	0	0	0	0	0	
1200	94	0	78	16	0	0	0	0	0	0	0	0	0	0	
1300	92	4	69	18	0	0	1	0	0	0	0	0	0	0	
1400	125	1	107	15	0	2	0	0	0	0	0	0	0	0	
1500	100	0	77	21	0	1	1	0	0	0	0	0	0	0	
1600	106	0	86	20	0	0	0	0	0	0	0	0	0	0	
1700	103	2	87	14	0	0	0	0	0	0	0	0	0	0	
1800	77	0	71	6	0	0	0	0	0	0	0	0	0	0	
1900	43	1	40	2	0	0	0	0	0	0	0	0	0	0	
2000	29	0	26	3	0	0	0	0	0	0	0	0	0	0	
2100	12	0	10	2	0	0	0	0	0	0	0	0	0	0	
2200	15	0	13	2	0	0	0	0	0	0	0	0	0	0	
2300	15	0	14	1	0	0	0	0	0	0	0	0	0	0	
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06-00	1204	12	1003	184	0	3	2	0	0	0	0	0	0	0	
00-00	1230	12	1025	187	1	3	2	0	0	0	0	0	0	0	



Job Name/ Title		Site	Location												
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		Direction	Two-Way												
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<b>Tuesday, 17 August 2021</b>															
0000	9	0	8	1	0	0	0	0	0	0	0	0	0	0	
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0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	4	0	4	0	0	0	0	0	0	0	0	0	0	0	
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0600	18	0	16	2	0	0	0	0	0	0	0	0	0	0	
0700	64	4	52	8	0	0	0	0	0	0	0	0	0	0	
0800	76	0	60	16	0	0	0	0	0	0	0	0	0	0	
0900	79	0	68	9	0	0	1	0	1	0	0	0	0	0	
1000	95	1	79	11	0	0	2	0	0	0	0	2	0	0	
1100	100	3	80	17	0	0	0	0	0	0	0	0	0	0	
1200	101	3	84	12	0	0	1	0	1	0	0	0	0	0	
1300	67	5	49	12	0	1	0	0	0	0	0	0	0	0	
1400	85	4	74	7	0	0	0	0	0	0	0	0	0	0	
1500	80	1	67	12	0	0	0	0	0	0	0	0	0	0	
1600	93	2	76	13	0	0	0	0	1	1	0	0	0	0	
1700	89	2	82	5	0	0	0	0	0	0	0	0	0	0	
1800	61	1	50	10	0	0	0	0	0	0	0	0	0	0	
1900	39	7	29	3	0	0	0	0	0	0	0	0	0	0	
2000	24	0	24	0	0	0	0	0	0	0	0	0	0	0	
2100	25	0	20	4	0	0	1	0	0	0	0	0	0	0	
2200	20	0	19	1	0	0	0	0	0	0	0	0	0	0	
2300	15	0	14	1	0	0	0	0	0	0	0	0	0	0	
07-19	990	26	821	132	0	1	4	0	3	1	0	2	0	0	
06-22	1096	33	910	141	0	1	5	0	3	1	0	2	0	0	
06-00	1131	33	943	143	0	1	5	0	3	1	0	2	0	0	
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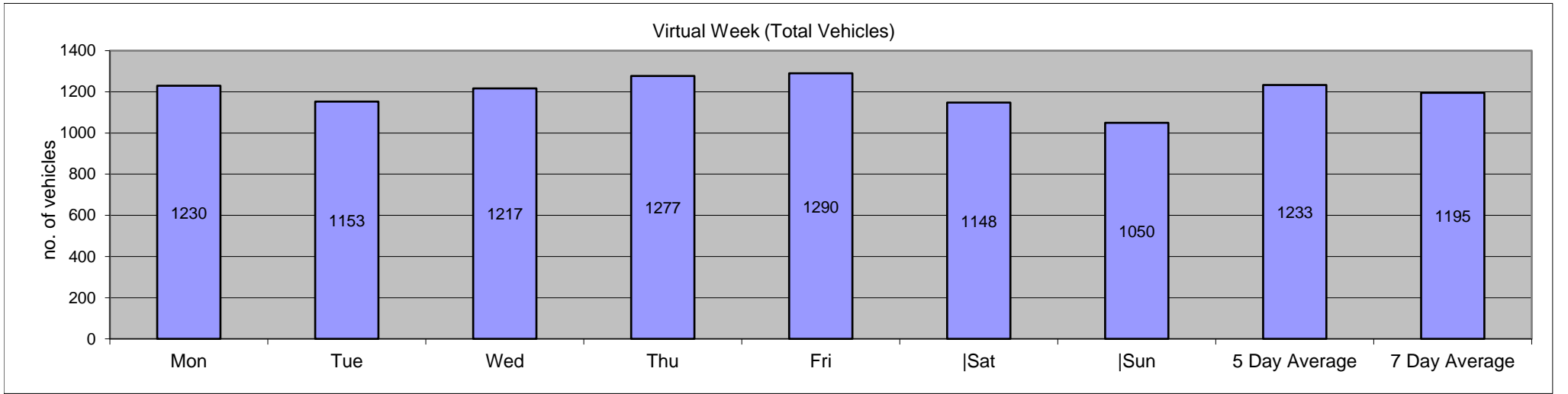
Job Name/ Title		Site	1	Location	Witherington Road, Cheltenham (N51.85279, W-1.96587)										
Saturday, 14 August 202 to Friday, 20 August 2021		Direction		Two-Way											
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
<b>Wednesday, 18 August 2021</b>															
0000	17	0	16	1	0	0	0	0	0	0	0	0	0	0	
0100	3	0	2	1	0	0	0	0	0	0	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	6	0	5	1	0	0	0	0	0	0	0	0	0	0	
0500	9	0	9	0	0	0	0	0	0	0	0	0	0	0	
0600	16	1	12	3	0	0	0	0	0	0	0	0	0	0	
0700	52	1	45	5	0	1	0	0	0	0	0	0	0	0	
0800	77	2	60	15	0	0	0	0	0	0	0	0	0	0	
0900	75	0	54	19	0	0	1	0	1	0	0	0	0	0	
1000	101	4	82	14	1	0	0	0	0	0	0	0	0	0	
1100	95	1	75	17	0	0	1	0	0	1	0	0	0	0	
1200	87	3	72	9	0	1	1	0	0	1	0	0	0	0	
1300	75	1	58	16	0	0	0	0	0	0	0	0	0	0	
1400	94	2	71	17	0	2	2	0	0	0	0	0	0	0	
1500	102	3	80	17	0	0	1	0	1	0	0	0	0	0	
1600	105	5	78	18	0	3	0	0	1	0	0	0	0	0	
1700	86	1	76	9	0	0	0	0	0	0	0	0	0	0	
1800	76	5	62	7	0	0	2	0	0	0	0	0	0	0	
1900	47	3	42	2	0	0	0	0	0	0	0	0	0	0	
2000	27	0	24	3	0	0	0	0	0	0	0	0	0	0	
2100	33	0	28	2	0	0	0	0	1	2	0	0	0	0	
2200	27	0	22	0	0	0	0	0	3	2	0	0	0	0	
2300	7	0	6	1	0	0	0	0	0	0	0	0	0	0	
07-19	1025	28	813	163	1	7	8	0	3	2	0	0	0	0	
06-22	1148	32	919	173	1	7	8	0	4	4	0	0	0	0	
06-00	1182	32	947	174	1	7	8	0	7	6	0	0	0	0	
00-00	1217	32	979	177	1	7	8	0	7	6	0	0	0	0	

Job Name/ Title		Site	Location												
Saturday, 14 August 202 to Friday, 20 August 2021		1	Witherington Road, Cheltenham (N51.85279, W-1.96587)												
		Direction	Two-Way												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
<b>Thursday, 19 August 2021</b>															
0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0100	2	0	2	0	0	0	0	0	0	0	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	3	0	3	0	0	0	0	0	0	0	0	0	0	0	
0500	9	0	9	0	0	0	0	0	0	0	0	0	0	0	
0600	19	0	15	4	0	0	0	0	0	0	0	0	0	0	
0700	50	2	36	12	0	0	0	0	0	0	0	0	0	0	
0800	95	0	72	23	0	0	0	0	0	0	0	0	0	0	
0900	75	1	62	11	0	0	0	0	1	0	0	0	0	0	
1000	82	3	62	15	0	1	0	0	1	0	0	0	0	0	
1100	106	3	83	18	0	0	0	0	2	0	0	0	0	0	
1200	98	2	76	18	2	0	0	0	0	0	0	0	0	0	
1300	71	1	49	18	1	0	0	0	1	1	0	0	0	0	
1400	77	3	62	9	1	0	0	0	1	1	0	0	0	0	
1500	91	2	71	17	0	0	1	0	0	0	0	0	0	0	
1600	111	0	95	12	0	0	0	0	3	0	0	0	0	1	
1700	107	5	88	10	0	0	0	0	4	0	0	0	0	0	
1800	90	1	79	10	0	0	0	0	0	0	0	0	0	0	
1900	48	1	41	6	0	0	0	0	0	0	0	0	0	0	
2000	64	1	51	12	0	0	0	0	0	0	0	0	0	0	
2100	52	0	47	5	0	0	0	0	0	0	0	0	0	0	
2200	14	0	12	2	0	0	0	0	0	0	0	0	0	0	
2300	13	0	12	1	0	0	0	0	0	0	0	0	0	0	
07-19	1053	23	835	173	4	1	1	0	13	2	0	0	0	1	
06-22	1236	25	989	200	4	1	1	0	13	2	0	0	0	1	
06-00	1263	25	1013	203	4	1	1	0	13	2	0	0	0	1	
00-00	1277	25	1027	203	4	1	1	0	13	2	0	0	0	1	

Job Name/ Title		Site	Location												
Saturday, 14 August 202 to Friday, 20 August 2021		1	Witherington Road, Cheltenham (N51.85279, W-1.96587)												
		Direction	Two-Way												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
Friday, 20 August 2021															
0000	9	0	8	1	0	0	0	0	0	0	0	0	0	0	
0100	4	0	4	0	0	0	0	0	0	0	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	3	0	2	1	0	0	0	0	0	0	0	0	0	0	
0500	13	0	11	2	0	0	0	0	0	0	0	0	0	0	
0600	12	0	10	2	0	0	0	0	0	0	0	0	0	0	
0700	60	4	44	12	0	0	0	0	0	0	0	0	0	0	
0800	79	1	54	24	0	0	0	0	0	0	0	0	0	0	
0900	75	2	55	15	0	3	0	0	0	0	0	0	0	0	
1000	103	2	83	17	0	1	0	0	0	0	0	0	0	0	
1100	122	4	96	21	0	0	0	0	1	0	0	0	0	0	
1200	90	2	72	15	0	0	0	1	0	0	0	0	0	0	
1300	101	4	76	18	0	2	0	0	1	0	0	0	0	0	
1400	83	4	67	11	0	0	1	0	0	0	0	0	0	0	
1500	93	1	82	10	0	0	0	0	0	0	0	0	0	0	
1600	105	3	88	13	0	0	1	0	0	0	0	0	0	0	
1700	95	3	82	10	0	0	0	0	0	0	0	0	0	0	
1800	84	1	80	3	0	0	0	0	0	0	0	0	0	0	
1900	37	2	33	2	0	0	0	0	0	0	0	0	0	0	
2000	44	0	39	5	0	0	0	0	0	0	0	0	0	0	
2100	38	0	34	4	0	0	0	0	0	0	0	0	0	0	
2200	24	0	16	8	0	0	0	0	0	0	0	0	0	0	
2300	16	0	14	2	0	0	0	0	0	0	0	0	0	0	
07-19	1090	31	879	169	0	6	2	1	2	0	0	0	0	0	
06-22	1221	33	995	182	0	6	2	1	2	0	0	0	0	0	
06-00	1261	33	1025	192	0	6	2	1	2	0	0	0	0	0	
00-00	1290	33	1050	196	0	6	2	1	2	0	0	0	0	0	

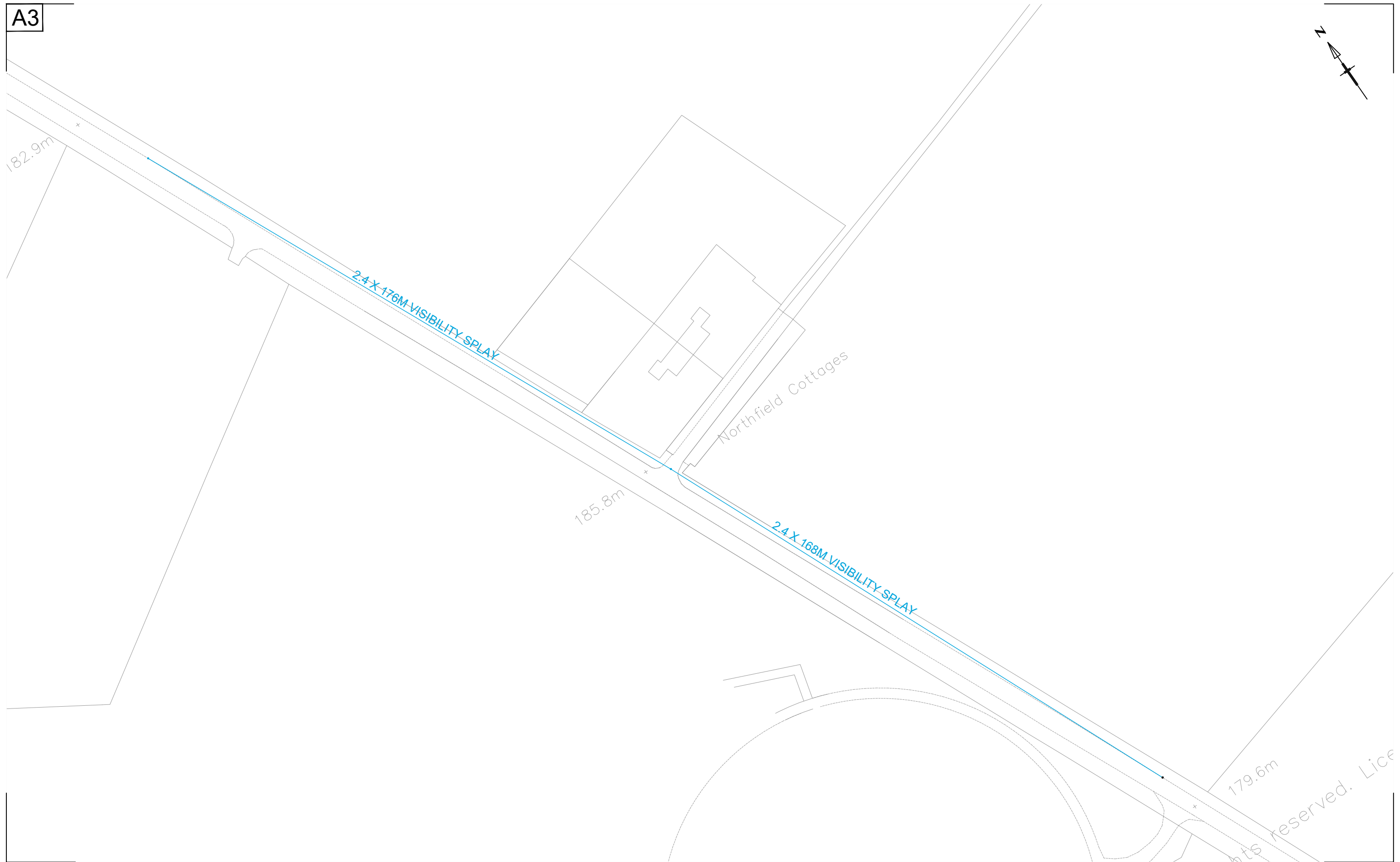
Job Name/ Title		Site	Location												
Saturday, 14 August 202 to Friday, 20 August 2021		1	Witherington Road, Cheltenham (N51.85279, W-1.96587)												
		Direction	Two-Way												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
<b>Average Day</b>															
0000	11	0	10	1	0	0	0	0	0	0	0	0	0	0	
0100	4	0	3	0	0	0	0	0	0	0	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0400	3	0	3	0	0	0	0	0	0	0	0	0	0	0	
0500	8	0	8	1	0	0	0	0	0	0	0	0	0	0	
0600	15	0	12	3	0	0	0	0	0	0	0	0	0	0	
0700	49	2	38	8	0	0	0	0	0	0	0	0	0	0	
0800	67	2	50	15	0	0	0	0	0	0	0	0	0	0	
0900	75	2	60	12	0	0	0	0	0	0	0	0	0	0	
1000	91	2	77	11	0	0	0	0	0	0	0	0	0	0	
1100	97	3	80	14	0	0	0	0	0	0	0	0	0	0	
1200	95	3	78	13	0	0	0	0	0	0	0	0	0	0	
1300	93	3	73	14	1	1	0	0	0	0	0	0	0	0	
1400	89	3	75	10	0	1	0	0	0	0	0	0	0	0	
1500	88	2	72	13	0	0	0	0	0	0	0	0	0	0	
1600	98	3	80	13	0	0	0	0	1	0	0	0	0	0	
1700	92	3	80	8	0	0	0	0	1	0	0	0	0	0	
1800	78	1	70	6	0	0	0	0	0	0	0	0	0	0	
1900	43	2	38	3	0	0	0	0	0	0	0	0	0	0	
2000	37	0	32	4	0	0	0	0	0	0	0	0	0	0	
2100	31	0	27	3	0	0	0	0	0	0	0	0	0	0	
2200	18	0	15	2	0	0	0	0	0	0	0	0	0	0	
2300	13	0	11	1	0	0	0	0	0	0	0	0	0	0	
07-19	1012	29	833	137	1	3	3	0	4	1	0	0	0	0	
06-22	1137	32	942	150	1	3	3	0	4	1	0	0	0	0	
06-00	1168	32	969	153	1	3	3	0	4	1	0	0	0	0	
00-00	1195	32	993	155	2	3	3	0	4	1	0	0	0	0	

Job Name/ Title				Site	1	Location	Witherington Road, Cheltenham (N51.85279, W-1.96587)								
Saturday, 14 August 202		to	Friday, 20 August 2021			Direction	Two-Way								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC	
<b>Virtual Week</b>															
Mon	1230	12	1025	187	1	3	2	0	0	0	0	0	0	0	
Tue	1153	33	964	144	0	1	5	0	3	1	0	2	0	0	
Wed	1217	32	979	177	1	7	8	0	7	6	0	0	0	0	
Thu	1277	25	1027	203	4	1	1	0	13	2	0	0	0	1	
Fri	1290	33	1050	196	0	6	2	1	2	0	0	0	0	0	
Sat	1148	42	980	116	2	4	0	0	3	0	1	0	0	0	
Sun	1050	48	926	64	3	2	2	0	2	1	0	0	0	2	
<b>5 Day Average</b>															
[--]	1233	27	1009	181	1	4	4	0	5	2	0	0	0	0	
<b>7 Day Average</b>															
[--]	1195	32	993	155	2	3	3	0	4	1	0	0	0	0	
<b>Total Vehicles</b>															
[--]	8365	225	6951	1087	11	24	20	1	30	10	1	2	0	3	



# Appendix 3

A3



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 <p>78 BROAD STREET, CHIPPING SODBURY, BRISTOL. BS37 6AG          Tel: 01454 320 220 Web: www.connect-consultants.com          Fax: 01454 320 099 Email: bristol@connect-consultants.com</p>	 	client	title		date	drawn by	checked by
		project	NORTHFIELD FARM ACCESS VISIBILITY SPLAYS		NOVEMBER 2023	T.A.S	J.S
		PROPOSED DEVELOPMENT NORTHFIELD FARM			scale	status	
				1:1000	PLANNING		
				drawing number	rev.		
				21048 - 010	B		