

## TECHNICAL NOTE

### MILTON HEIGHTS STRATEGIC HOUSING ALLOCATION

#### APPRAISAL OF SITE DELIVERABILITY – HIGHWAYS & TRANSPORT

##### 1.0 Introduction

- 1.1 This report has been prepared by Glanville Consultants on behalf of the Hartwright family to assess at a high-level, the deliverability of the 400 dwellings at Milton Heights identified in the draft Vale of White Horse Local Plan 2031 from a highways and transport perspective. The Hartwright family control the majority of the land identified for allocation. The location of the site, as detailed in the draft Local Plan, is provided at Appendix A.
- 1.2 The draft Local Plan indicates that development of the site will require a number of infrastructure improvements, including a suggestion that a major upgrade of A4130 Milton Hill between the access point and Milton Interchange will be necessary. Opportunities to provide pedestrian and cycle route links from the site to North West Valley Park over the A34 are also highlighted.
- 1.3 This report assesses the site access and the impact of development of the scale identified on key junctions in the vicinity of the site, and seeks to establish what, if any, highways and transport infrastructure improvements are required to deliver the scheme.

##### 2.0 Visibility Splays

- 2.1 The provision of appropriate visibility splays is a fundamental consideration when providing access to any development site. Before proceeding with more in-depth analysis it has therefore been necessary to firstly establish if sufficient visibility can be achieved from the proposed point from which the site would achieve access and other key junctions in the vicinity.

###### *Site Access*

- 2.2 Access will be achieved via a simple priority 'T' junction from Milton Hill (sometimes known locally as Potash Lane), which is currently subject to the national speed limit (60mph). In order to establish the extent of visibility required at the access, Automatic Traffic Counters were commission approximately 160 metres north and south of the likely access location, and were in place between 4 and 10 December 2014 inclusive.
- 2.3 The results of the speed survey have been interrogated and the recorded 85<sup>th</sup> percentile speeds are presented in the table below, while the full speed data is provided at Appendix B.

*Table 1: Results of Speed Survey – 85<sup>th</sup> percentile speeds*

Direction of Travel	ATC 1 (North of Access)	ATC 2 (South of Access)
Northbound	47mph	49mph
Southbound	45mph	35.1mph

Note: Speeds highlighted in red are those critical in this instance

- 2.4 Given that the 85<sup>th</sup> percentile speeds at this location are above 37mph / 60kph, reference has been made to Table 10.1 of Manual for Streets 2 which, in line with TD9/93 of the Design Manual for Roads and Bridges, quotes a reaction time of 2 seconds and 'absolute' and 'desirable' minimum deceleration rates of 0.375g and 0.25g respectively when calculating stopping sight distances ('Y' distance splays) in instances where the design speed is above 37mph / 60kph.
- 2.5 Using the results of the speed survey, these factors have been applied to the stopping sight distance calculation and the corresponding splay lengths are set out in the Table 2.

*Table 2: Desirable and Absolute Minimum Splay Lengths*

Stopping Sight Distance	Visibility to Right	Visibility to Left
Desirable Minimum	125.2m	144.1m
Absolute Minimum	97.8m	111.6m

- 2.6 The more onerous of these splays are plotted on drawing TR8140378/01, provided at Appendix C. The drawing illustrates that the visibility splays can be achieved to the nearside kerb from the prescribed 'X' distance of 2.4m. The splay falls entirely within the site boundary or within the public highway.
- 2.7 It is therefore concluded that an access appropriate to serve the proposed allocation can be provided on Milton Hill.
- 2.8 The two junctions forming part of the strategic network nearest the site, namely the A4130 / Trenchard Avenue and the A4130 Abingdon Road / Milton Hill priority 'T' junctions have also been assessed.

*A4130 / Trenchard Avenue*

- 2.9 Visibility to the right at this junction is already excellent but to the left, visibility appears restricted by vegetation. In order to establish the extent at which visibility should be improved to the left, an ATC was laid approximately 120 metres west of the junction for the same period as identified above. The table below sets out the results of the speed survey in this location.

*Table 3: Results of Speed Survey – 85<sup>th</sup> percentile speeds*

Direction of Travel	ATC 3 (West of junction)
Westbound	45.5mph
Eastbound	42.6mph

- 2.10 Using the results of the speed survey, these factors have been applied to the stopping sight distance calculation and the corresponding splay lengths are set out in Table 4.

*Table 4: Desirable and Absolute Minimum Splay Lengths*

<b>Stopping Sight Distance</b>	<b>Visibility to Left</b>
Desirable Minimum	114.5m
Absolute Minimum	89.9m

- 2.11 Drawing TR8140378/02 provided at Appendix C details the more onerous of the two splays plotted onto an OS base. It is clear that the desirable splay is readily achievable within land forming the public highway, following the cutting back of vegetation. To the right, the full Design Manual for Roads and Bridges standard for the posted speed limit for 40mph (2.4 x 120 metres) is shown for completeness.
- 2.12 It is therefore concluded that the junction provides adequate visibility to support the additional traffic which would be generated by the proposed allocation.

*Milton Hill / A4130 Abingdon Road*

- 2.13 Visibility to the left at this junction is good as existing, but to the right visibility is currently very poor due to the narrow width of the public highway verge and vegetation forming the field boundary which abuts it. However, land within the Hartwright family's ownership would be used to provide visibility to the right to full Design Manual for Roads Bridges standard for the posted national speed limit (60mph – 2.4 x 215 metres) as shown on drawing TR8140378/03 provided at Appendix C.
- 2.14 It is therefore concluded that the junction provides adequate visibility to support the additional traffic which would be generated by the proposed allocation.

*Summary*

- 2.15 It can be concluded that, in terms of junction visibility at the proposed site access or at the junctions at either end of Milton Hill / Trenchard Avenue, there are no constraints that would prevent development of the full quantum of 400 dwellings at the strategic housing site.

### **3.0 Trip Generation & Assignment**

- 3.1 The site currently generates little, if any traffic on the local road network. For the purposes of a robust assessment, all trips will be assumed to be 'new' to the local road network.
- 3.2 The site will provide a mix of affordable and open market dwellings, and therefore reference to the TRICS database under the land use 'Residential' and 'Mixed Private / Affordable Housing' has been made to estimate traffic generation. Sites with similar characteristics and locations have been chosen to generate average trip rates. The resulting trip rates are shown in Table 5 and a copy of the TRICS output can be found in Appendix D.

*Table 5: Average Trip Rates 'Mixed Private / Affordable Housing'*

Period	Trip Rates (per dwelling)		
	Inbound	Outbound	Two-Way
AM Peak (08:00 to 09:00)	0.128	0.324	0.452
PM Peak (17:00 to 18:00)	0.242	0.140	0.382
Daily (07:00 to 19:00)	1.885	1.924	3.809

- 3.3 On the basis of the above trip rates, 400 units can reasonably be expected to generate traffic in line with that set out in Table 6.

*Table 6: Traffic Generation from 400 Units*

Period	Traffic Generation (vehicles)		
	Inbound	Outbound	Two-Way
AM Peak (08:00 to 09:00)	51	130	181
PM Peak (17:00 to 18:00)	97	56	153
Daily (07:00 to 19:00)	754	770	1524

- 3.4 In order to determine how these trips are likely to be assigned to local highway network, Census 'Travel to Work' data has been interrogated for the Hendreds ward, in which the site is located. Using this data, the proportion of traffic that would route through the Milton Interchange, the proportion that would use A4130 travelling towards Steventon and the proportion that would route southbound on Milton Hill to access the A4130 has been established. Table 7 below sets out the corresponding assignment of the predicted trips to the highway network.

*Table 7: Trip Assignment*

Destination	Percentage of traffic	Proportion of traffic from development	
		AM Peak	PM Peak
Through Milton Interchange	46%	83	70
A4130 Towards Steventon	22%	40	34
A4130 from Milton Hill (South)	32%	58	49
<b>Total</b>	<b>100%</b>	<b>181</b>	<b>153</b>

## 4.0 Development Impact Appraisal

- 4.1 As shown in Table 7, once traffic from the development disperses across the local road network, its impact on the Milton Interchange will be minimal. Only 83 two-way movements in the AM peak and 70 two-way movements in the PM peak would use this junction which is considerably below the daily fluctuation of traffic at the Interchange, and therefore it is considered that it will have a negligible impact.
- 4.2 In order to assess the development's impact on the two junctions forming part of the strategic network nearest the site, namely the A4130 / Trenchard Avenue and the A4130 Abingdon Road / Milton Hill priority 'T' junctions, manual classified turning counts and queue length surveys were carried out at these two locations on Tuesday 9 December 2014 across the AM and PM peak periods.

- 4.3 An assessment year of 2019 has been selected as the earliest potential date for the completion of the initial phases of the development. The surveyed traffic flows have therefore been factored up using growth rates derived from *TEMPRO* v6.2 to enable a percentage impact appraisal to be undertaken. Assuming the previously described assignment pattern, and if completed in its entirety, the proposed development would be expected to alter traffic levels at the two junctions by the percentages summarised in the following table.

*Table 8: Percentage Impact Assessment*

Junction	2019	
	AM	PM
A4130 / Trenchard Avenue	6%	5%
A4130 / Milton Hill	4%	3%

- 4.4 Clearly the above represents a worst-case / unrealistic scenario, as the development would likely be built-out in phases over several years. It should also be noted that as the background traffic increases over time, the above percentages would reduce as the traffic generation from the development would remain constant. However, the results provide a useful indication of the impact on the local highway network.
- 4.5 Despite the relatively modest increase in traffic at these junctions, junction capacity assessments have been undertaken for both junctions.

## 5.0 Junction Capacity Analysis

- 5.1 The following modelling work has been undertaken using the nationally recognised software package Junctions 8. The junction models have been constructed using geometry derived through an interrogation of OS datum.
- 5.2 In order to ensure that the results of the junction capacity assessments are representative of actual operating conditions, all models have been calibrated using the queue length data recorded at each junction during the traffic surveys.
- 5.3 Turning to the presentation of the results of the capacity analysis, throughout the remainder of this report, the following acronyms are applied:

RFC - Ratio of Flow to Capacity  
Q - Queue length (vehicles)

- 5.4 It is generally accepted that RFC values of 0.85 or less indicate that a junction is operating within capacity as this gives some margin for error in the prediction of capacity and variations in traffic flow. Therefore, junctions are only identified as operating over capacity if these values are exceeded.

### *2019 – Do Nothing*

- 5.5 Prior to assessing the performance of the junctions with the addition of development associated traffic, it is first important to understand how they would be operating in 2019 without development. Therefore, both junctions have been modelled using the 2014 baseline survey data factored up to 2019 levels, and the results are presented in the following tables.

*Table 9: 2019 'Do Nothing', A4130 / Trenchard Avenue*

Ref.	Movement	Weekday AM		Weekday PM	
		RFC	Q	RFC	Q
B-C	Trenchard to A4130 West	0.05	0.06	0.03	0.03
B-A	Trenchard to A4130 East	0.15	0.19	0.20	0.25
C-AB	A4130 West to Trenchard or A4130 East	0.15	0.44	0.08	0.15

- 5.6 With RFCs significantly below 0.85 it is clear that the junction will operate well within capacity in the 2019 'Do Nothing' scenario. The junction is already wide with good visibility, and the lack of a dedicated right-turn lane on the A4130 does not appear to materially affect capacity.

*Table 10: 2019 'Do Nothing', A4130 Abingdon Road / Milton Hill*

Ref.	Movement	Weekday AM		Weekday PM	
		RFC	Q	RFC	Q
B-C	Milton Hill to A4130 West	0.16	0.23	0.04	0.04
B-A	Milton Hill to A4130 East	0.05	0.06	0.00	0.00
C-B	A4130 to Milton Hill	0.16	0.20	0.04	0.04

- 5.7 The modelling shows that the junction will operate well within capacity in the 2019 'Do Nothing' scenario. The junction is lightly trafficked and the presence of a right-turn lane on the A4130 minimises delays for right-turners to Milton Hill (Potash Lane).

#### *2019 – Do Something*

- 5.8 The predicted development traffic has been assigned to the network in the proportions identified in Section 3 and added to the 2019 traffic flows in order to assess the performance of the junctions. The results of the modelling are presented in the tables below.

*Table 11: 2019 'Do Something', A4130 / Trenchard Avenue*

Ref.	Movement	Weekday AM		Weekday PM	
		RFC	Q	RFC	Q
B-C	Trenchard to A4130 West	0.15	0.20	0.07	0.07
B-A	Trenchard to A4130 East	0.58	1.42	0.44	0.74
C-AB	A4130 West to Trenchard or A4130 East	0.24	1.06	0.22	0.83

- 5.9 The junction remains within capacity with small increases to the RFC values and corresponding queue lengths. The largest increase in RFC is for the right-turn movement from Trenchard Avenue toward the Milton Interchange, due to the high flows over the major arm. There is a corresponding increase in queue length and delay for this movement, but the RFC value remains well below the theoretical maximum value of 0.85 in both peak periods, suggesting it will continue to operate within capacity well beyond the assessment year of 2019 with allowance for the addition of development traffic.

*Table 10: 2019 'Do Something', A4130 Abingdon Road / Milton Hill*

Ref.	Movement	Weekday AM		Weekday PM	
		RFC	Q	RFC	Q
B-C	Milton Hill to A4130 West	0.25	0.39	0.07	0.07
B-A	Milton Hill to A4130 East	0.08	0.09	0.01	0.01
C-B	A4130 to Milton Hill	0.19	0.24	0.09	0.10

- 5.10 The addition of development traffic has a negligible impact on the A4130 / Milton Hill junction, with RFC values remaining well below 0.85. The right-turn movement from Milton Hill continues to operate with a minimal RFC due to the low levels of right-turn traffic.

#### *Summary*

- 5.11 The results of the junction analysis do not highlight any capacity issues in 2019 with the addition of development traffic, and suggests the junctions will continue to operate within capacity beyond this assessment year without any modifications being necessary.

## **6.0 Mitigation**

### *A4130*

- 6.1 As noted in the introduction, the draft Local Plan suggests a 'major upgrade of A4130 Milton Hill will be required between the access point and Milton Interchange'. This statement is somewhat ambiguous and it is not immediately clear what improvements the local Highway Authority envisage.
- 6.2 The above statement is referring to an upgrade of A4130 between the junction with Trenchard Avenue and the Milton Interchange. As established in the preceding sections, the predicted level of traffic generation from the development does not warrant any alteration to the Milton Interchange itself, nor does it suggest a 'major upgrade' of the A4130 on the multiple-lane approach to this junction is necessary to accommodate development traffic.

### *Localised Mitigation*

- 6.3 The draft Local Plan also refers to local mitigation, and 'footways, crossing points, traffic management etc.' are given as examples.

- 6.4 Localised mitigation funded by the site promoter, such as improvements to the footway / cycle link on A4130 between Trenchard Avenue and the Milton Interchange, a possible change in priority at the Trenchard Avenue / Milton Hill junction and the addition of street lighting and a reduced speed limit on Milton Hill are realistic options that would benefit not only the development, but also existing residents.
- 6.5 Such straight-forward improvements would not prohibit the development of the site and will be investigated as part of the full multi-modal Transport Assessment required at the planning application stage.

#### *Pedestrian / Cycle link over A34*

- 6.6 The provision of such a footway / cycle link to integrate the site the future North West Valley Park development is a matter that will require further consideration. There is already a link across the A34 via the Milton Interchange. The viability of an additional link would be researched in consultation with the Highways Agency in preparation of the Transport Assessment.

## **7.0 Sustainability**

- 7.1 The full multi-modal Transport Assessment required at the planning application stage would review the site in detail from a sustainability perspective. The purpose of this section is to highlight that despite a somewhat rural appearance, the site is in fact well located in terms of sustainable travel.
- 7.2 The nearest employment centres are Milton Business & Technology Centre, Milton Park, Harwell Innovation Campus and Didcot. The site is conveniently located adjacent to St. Blaise Church of England Primary School, while the nearest secondary schools are located in Didcot. Future residents of the site are able to access all these facilities by foot, cycle or public transport.

### Walking

- 7.3 It is generally accepted that two kilometres is acceptable walking distance to work or nearby facilities and amenities. As such, the site is within walking distance of the shops at Milton Interchange service station, the employment centre of Milton Park, the shops, pubs and restaurants in Steventon and pub at Milton Hill as well as St. Blaise Church of England Primary School located to the east of the site.
- 7.4 Milton Hill has a continuous footway on its eastern side, north from the site access location to Trenchard Avenue, which also has a footway on the southern side which connects to the footway on A4130.
- 7.5 A shared footway / cycleway is available from Trenchard Avenue heading east to the Milton Interchange. Milton Interchange offers comprehensive controlled crossing facilities which enable pedestrians to cross the interchange to access the service station or Milton Park.

### Cycling

- 7.6 It is generally accepted that five kilometres is acceptable cycling distance to work or nearby facilities and amenities. This would suggest that the village of Milton, Milton Park, Milton Hill, Didcot, Harwell, and Harwell Innovation Campus, as well as southern areas of Abingdon are accessible by cycling.



- 7.7 Residents cycling to Abingdon are able to use Hanson Way, a traffic free route, which can be accessed from Sutton Courtenay. Those cycling to Milton Park are able to use the shared footway / cycleway available from Trenchard Avenue to access Milton Interchange, which offers facilities and Toucan crossings for cyclists to access Milton Park or the shared footway / cycleway to Didcot along the A4130. Although cycle facilities are not available to Harwell, Harwell Innovation Campus and Milton Hill, the nature of the route is such that I would not discourage cyclists.

### Public Transport

#### *Buses*

- 7.8 The nearest bus stops us stops are located on A4130 Abingdon Road near the junction with Trenchard Avenue, which is a short walk from the site. Frequent services are available to Didcot and surrounding areas.

#### *Rail*

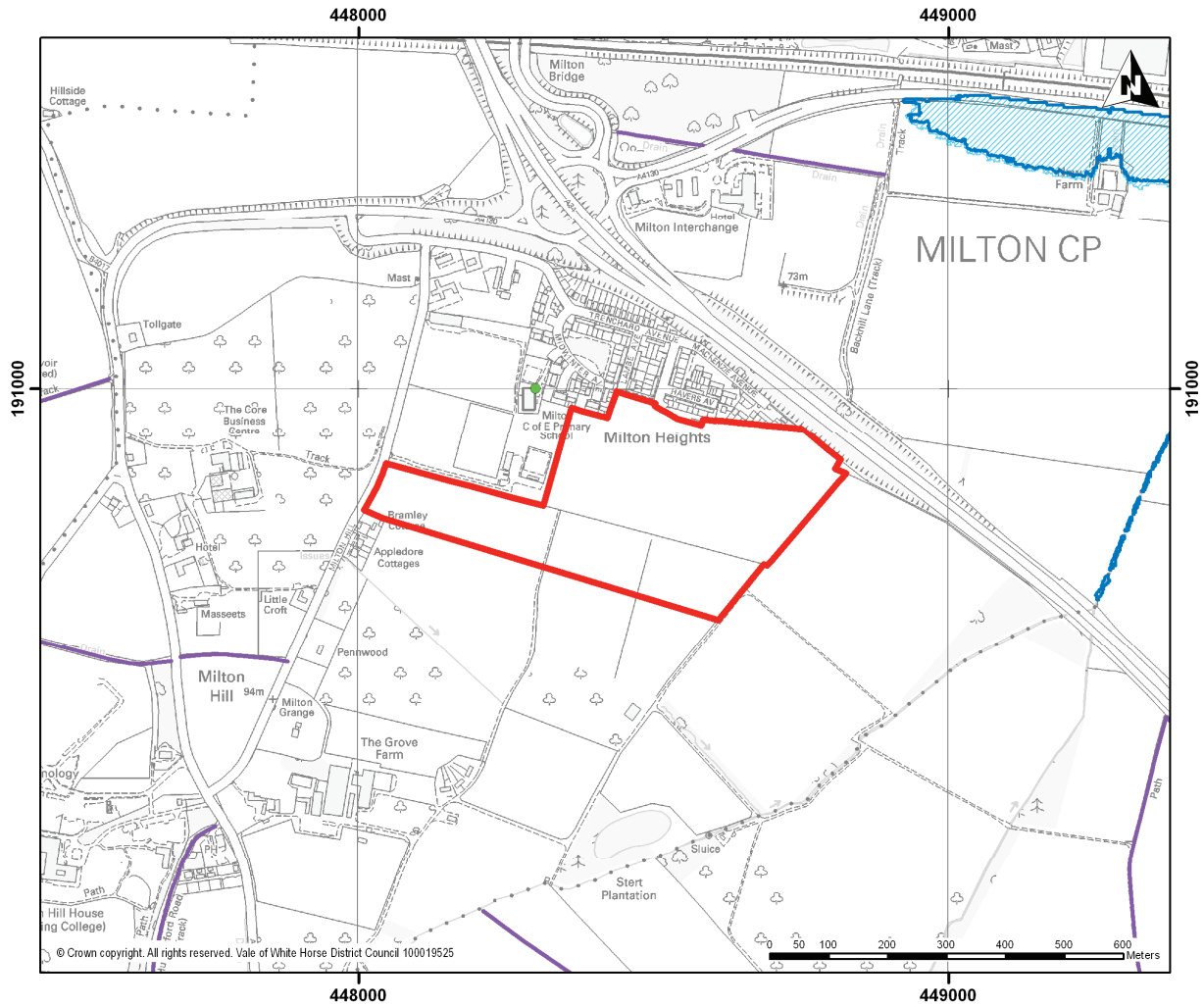
- 7.9 The nearest railway station is Didcot Parkway, located approximately 5 kilometres from the site. The railway station is therefore close enough to cycle and access by bus. Services X2, 36 and X36 from the above stops connect to the railway station.





















## **8.0 Summary & Conclusion**

- 8.1 This report has been prepared by Glanville Consultants on behalf of the Hartwright family to assess at a high-level, the deliverability of the 400 dwellings at Milton Heights identified in the draft Vale of White Horse Local Plan 2031 from a highways and transport perspective. The Hartwright family control the majority of the land identified for allocation.
- 8.2 The assessment of the strategic site location in terms of trip generation, local junction capacity and the impact on the Milton Interchange has not highlighted any reasons why the full quantum of development noted in the draft Local Plan could not be delivered.
- 8.3 The requirement for a 'major upgrade of A4130 Milton Hill will be required between the access point and Milton Interchange' has been assessed, and it has been found that no such upgrade is required to deliver the development, but more localised mitigation measures could be provided.
- 8.4 It has been shown that despite the site's rural appearance, it is in fact well located in terms of accessibility to shops, services, employment opportunities and schools by means other than the private car.
- 8.5 Any planning application proposing to develop the site for residential purposes would be accompanied by a full multi-modal Transport Assessment, containing further in-depth analysis of the highways and transport impact of the development. However, based on the findings of this report, it can be concluded that there are no highways and transportation grounds that would constitute a 'severe' cumulative impact in the context of the National Planning Policy Framework, and thus the local authority can be confident that the strategic housing site can be delivered.

## **Appendices**

**Appendix A**  
**Strategic Housing Site Location**



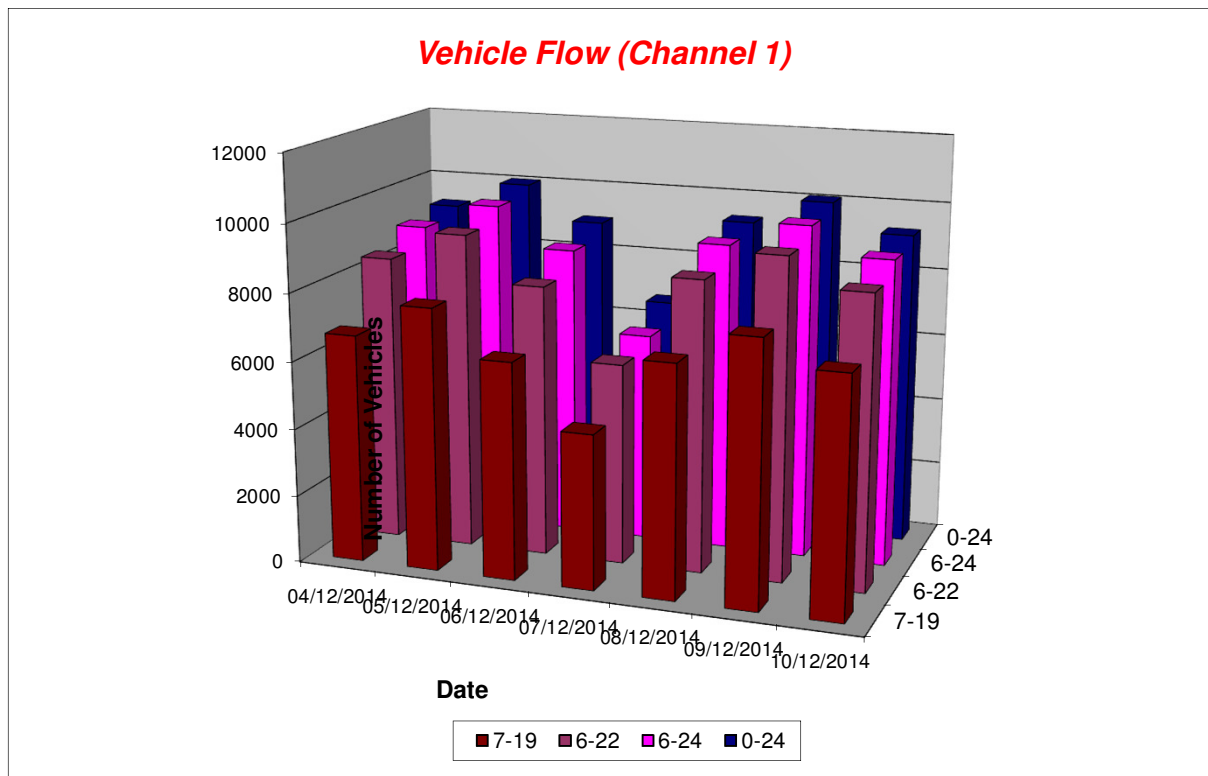
- |   |  |   |
|---|--|---|
|  Strategic housing site    |  Great Western Community Forest |  Local Nature Reserves         |
|  Listed buildings          |  Green Belt                     |  National Nature Reserves      |
|  District Outline          |  SSSI                           |  Protected Species             |
|  Mineral Consultation Area |  Scheduled Ancient Monuments    |  Special Areas of Conservation |
|  Local Wildlife Sites      |  Historic Park and Gardens      |  Public Rights of Way          |
|  Conservation Area         |  Ancient Woodland               |  Flood Zone 3                  |
|  AONB                      |  |  Flood Zone 2                  |

**Appendix B**  
**Speed Surveys**

# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Westbound					Vehicle Flow			Week 1	
	04/12/2014	05/12/2014	06/12/2014	07/12/2014	08/12/2014	09/12/2014	10/12/2014		
Hr Ending	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	5 Day Ave	7 Day Ave
1	90	126	174	215	82	115	103	103	129
2	35	58	115	137	38	60	36	45	68
3	20	22	45	57	16	25	16	20	29
4	17	11	28	35	15	10	15	14	19
5	22	15	17	14	23	11	22	19	18
6	51	23	21	14	46	26	47	39	33
7	184	82	52	16	152	94	193	141	110
8	524	514	121	52	488	510	556	518	395
9	767	764	260	134	754	738	749	754	595
10	629	752	492	272	680	625	598	657	578
11	470	505	491	353	475	444	447	468	455
12	233	449	360	321	208	434	214	308	317
13	416	524	578	462	425	615	417	479	491
14	404	618	739	504	444	721	512	540	563
15	458	597	655	514	521	487	502	513	533
16	577	700	649	458	572	684	548	616	598
17	687	743	628	449	569	809	816	725	672
18	852	833	708	516	884	899	869	867	794
19	724	741	716	524	787	762	746	752	714
20	655	639	658	500	633	658	675	652	631
21	538	556	545	493	573	595	438	540	534
22	368	339	367	367	429	370	321	365	366
23	289	203	279	166	298	185	278	251	243
24	215	218	305	111	215	205	146	200	202
7-19	6741	7740	6397	4559	6807	7728	6974	7198	6707
6-22	8486	9356	8019	5935	8594	9445	8601	8896	8348
6-24	8990	9777	8603	6212	9107	9835	9025	9347	8793
0-24	9225	10032	9003	6684	9327	10082	9264	9586	9088



# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Westbound

Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	43.1	40.5	37.7	37.5	42.9	40.2	42.7
2	41.3	40.5	37.6	36.9	41.3	40.5	41.1
3	40.9	44.8	38.9	35.8	40.0	44.6	40.0
4	46.2	43.9	36.6	36.2	45.3	41.5	45.3
5	34.6	44.2	36.7	38.5	33.3	45.0	34.6
6	43.2	41.6	34.8	37.8	43.8	43.3	42.7
7	39.3	40.0	37.0	36.4	38.7	39.9	38.8
8	36.0	40.4	37.3	37.0	35.9	40.6	35.8
9	34.2	39.3	37.6	38.0	34.4	39.3	34.1
10	35.7	39.1	37.7	37.3	35.5	39.0	35.4
11	36.9	41.9	37.5	37.3	36.6	41.9	37.1
12	37.3	41.6	37.0	38.2	37.2	41.9	37.7
13	36.8	40.5	37.6	36.9	37.2	40.4	37.2
14	37.6	42.0	37.3	37.7	37.2	42.1	42.2
15	38.4	41.8	38.3	36.9	38.4	41.5	41.4
16	35.7	41.0	37.7	37.8	35.5	40.7	39.2
17	36.1	40.8	37.1	38.0	35.9	40.7	38.5
18	33.2	38.1	37.6	38.0	33.6	38.0	35.7
19	33.2	36.6	38.2	37.3	33.1	36.5	37.8
20	35.8	39.4	37.5	37.5	35.6	39.3	38.2
21	37.7	40.9	39.1	37.1	37.5	41.0	37.4
22	38.0	41.6	37.5	36.7	38.3	41.5	41.7
23	38.5	42.5	38.5	37.3	38.4	42.4	42.1
24	37.9	41.8	36.8	36.2	37.5	41.7	44.0

10-12	37.1	41.7	37.3	37.7	36.8	41.9	37.3
14-16	36.9	41.3	38.0	37.3	36.9	41.0	40.2
0-24	36.2	40.2	37.7	37.4	36.1	40.2	38.0

7 Day Ave 38.0

Channel 1 - Westbound

85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	48.7	48.6	49.0	43.7	48.9	48.7	48.2
2	48.5	48.3	43.4	43.9	53.7	48.9	48.5
3	48.6	53.3	48.3	43.8	48.5	53.5	48.3
4	53.3	53.8	43.2	43.0	53.4	48.1	53.3
5	43.3	53.8	38.2	43.5	43.1	53.8	43.0
6	53.8	48.6	38.6	38.9	53.8	53.4	48.5
7	48.0	49.0	43.4	38.4	48.5	48.5	43.2
8	43.8	48.9	43.4	43.7	43.8	48.5	43.9
9	38.8	43.2	43.7	48.5	38.6	43.2	43.6
10	43.7	43.7	43.3	43.5	38.8	43.3	43.8
11	43.0	49.0	48.6	43.5	43.0	48.1	43.9
12	43.4	48.2	43.2	48.4	43.2	48.6	43.3
13	43.9	48.5	48.2	43.4	43.1	48.2	43.5
14	43.8	48.1	43.6	48.3	43.1	48.9	48.1
15	43.4	49.0	48.1	43.1	43.3	48.1	48.6
16	44.0	48.7	48.5	48.2	43.1	48.4	48.4
17	43.9	48.0	43.9	49.0	43.0	48.3	44.0
18	38.1	43.6	48.3	48.1	38.5	43.9	43.1
19	38.9	43.1	48.8	48.4	38.7	43.8	43.9
20	43.4	43.1	43.4	43.4	43.5	43.3	43.6
21	43.5	48.8	48.3	43.5	43.8	48.7	43.3
22	43.8	48.3	48.9	43.2	43.1	48.3	48.1
23	43.1	48.0	48.6	43.5	43.2	48.1	48.5
24	43.6	48.3	43.6	43.3	43.7	48.0	53.2

10-12	43.5	48.4	48.4	43.6	43.5	48.3	44.0
14-16	43.3	48.3	48.1	43.5	43.4	48.8	48.1
0-24	43.6	48.9	48.6	43.2	43.1	48.3	43.0

7 Day Ave 45.5

# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

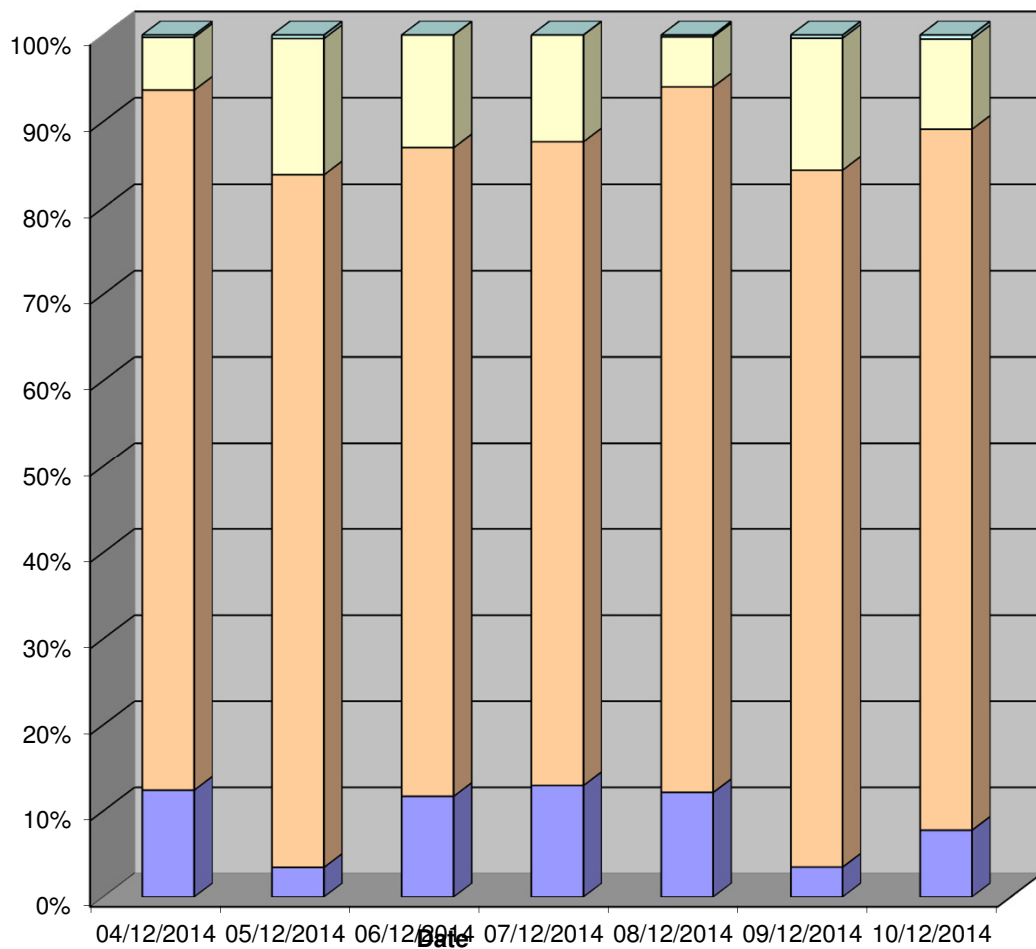
Channel 1 - Westbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	1145	345	1053	865	1132	350	718
31-45	7492	8064	6776	4993	7636	8156	7536
46-60	564	1582	1174	826	539	1540	968
61-	24	41	0	0	20	36	42
<b>TOTAL</b>	<b>9225</b>	<b>10032</b>	<b>9003</b>	<b>6684</b>	<b>9327</b>	<b>10082</b>	<b>9264</b>

**Speed Summary (MPH)**



0-30 31-45 46-60 61-

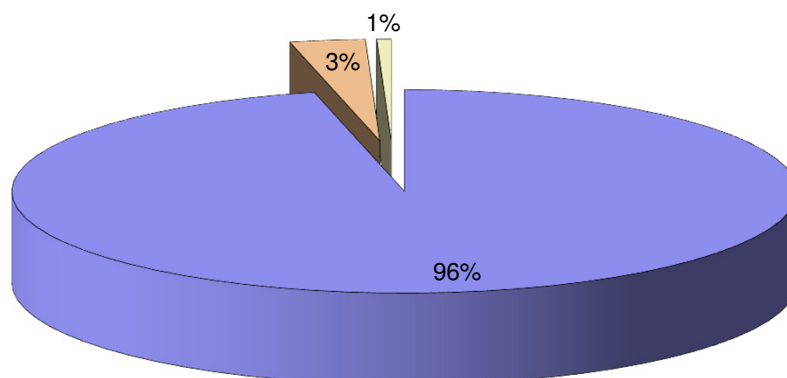


# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Westbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	6422	269	50	6741
6-22	8121	309	56	8486
6-24	8616	317	57	8990
0-24	8840	323	62	9225
05/12/2014				
7-19	7403	282	55	7740
6-22	8982	311	63	9356
6-24	9395	318	64	9777
0-24	9642	325	65	10032
06/12/2014				
7-19	6227	141	29	6397
6-22	7823	164	32	8019
6-24	8401	170	32	8603
0-24	8792	177	34	9003
07/12/2014				
7-19	4306	233	20	4559
6-22	5652	260	23	5935
6-24	5922	267	23	6212
0-24	6390	271	23	6684
08/12/2014				
7-19	6514	244	49	6807
6-22	8265	274	55	8594
6-24	8770	281	56	9107
0-24	8982	284	61	9327
09/12/2014				
7-19	7401	269	58	7728
6-22	9089	290	66	9445
6-24	9471	297	67	9835
0-24	9713	301	68	10082
10/12/2014				
7-19	6672	249	53	6974
6-22	8264	280	57	8601
6-24	8681	287	57	9025
0-24	8911	291	62	9264
Average				
7-19	6421	241	45	6707
6-22	8028	270	50	8348
6-24	8465	277	51	8793
0-24	8753	282	54	9088

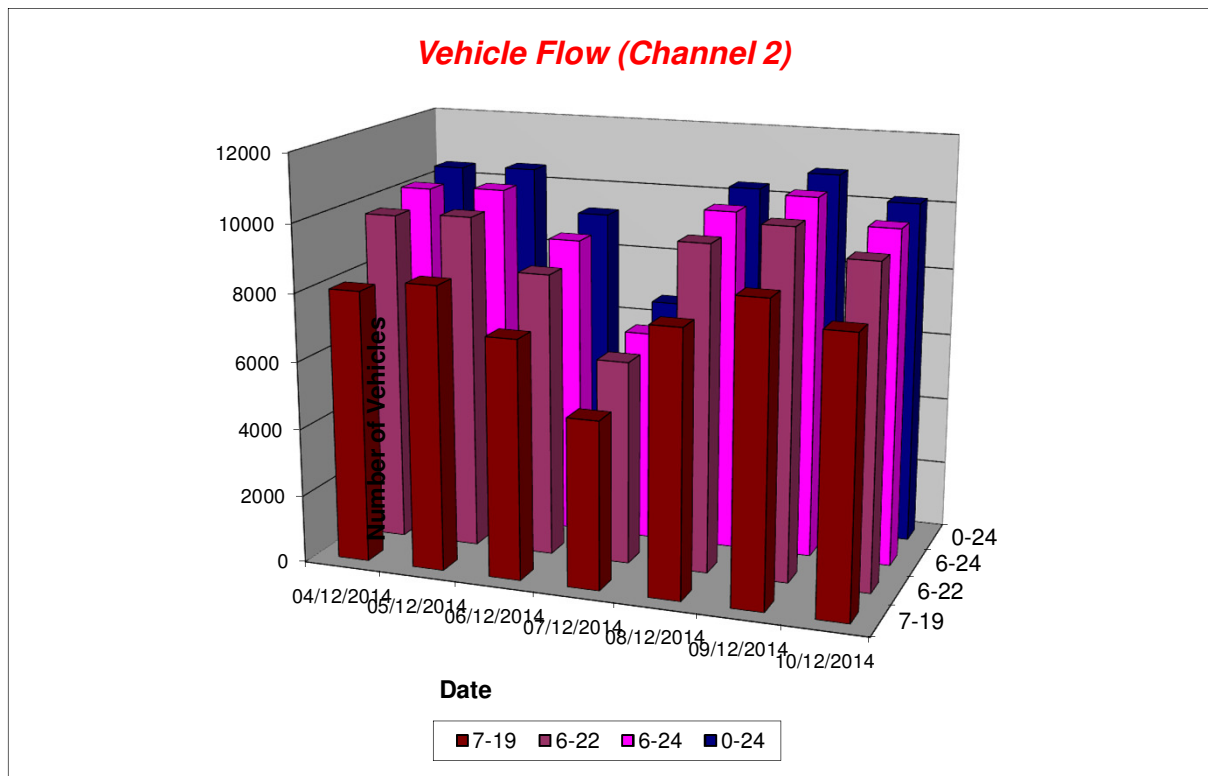
**Total Vehicle Class Distribution**



# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Eastbound								Vehicle Flow	Week 1
Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday	5 Day Ave	7 Day Ave
1	44	105	125	155	39	113	45	69	89
2	23	34	73	86	25	36	20	28	42
3	12	16	30	37	11	14	12	13	19
4	21	20	38	50	22	20	21	21	27
5	36	14	25	22	39	13	36	28	26
6	136	58	58	42	134	58	154	108	91
7	465	225	134	37	416	219	448	355	278
8	910	578	208	88	873	899	887	829	635
9	1096	1127	396	204	920	1045	1207	1079	856
10	729	714	608	335	715	739	706	721	649
11	504	662	626	448	473	730	496	573	563
12	442	530	525	458	372	552	444	468	475
13	437	609	582	465	395	531	445	483	495
14	570	601	851	569	691	641	573	615	642
15	547	614	730	570	513	622	538	567	591
16	537	681	654	457	586	796	487	617	600
17	759	795	708	509	830	805	815	801	746
18	805	819	650	474	825	812	854	823	748
19	699	655	515	377	601	612	615	636	582
20	551	510	506	385	646	554	468	546	517
21	399	449	405	365	458	430	285	404	399
22	321	310	276	275	298	258	196	277	276
23	285	195	283	168	260	178	340	252	244
24	104	189	247	91	202	218	103	163	165
7-19	8035	8385	7053	4954	7794	8784	8067	8213	7582
6-22	9771	9879	8374	6016	9612	10245	9464	9794	9052
6-24	10160	10263	8904	6275	10074	10641	9907	10209	9461
0-24	10432	10510	9253	6667	10344	10895	10195	10475	9757



# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

## Channel 2 - Eastbound

## Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	41.5	37.6	37.6	36.4	40.9	37.4	41.4
2	40.0	40.1	36.5	37.2	39.0	40.8	39.5
3	38.4	41.4	37.0	36.9	38.0	40.9	40.1
4	38.6	40.6	34.8	36.2	38.6	40.4	38.6
5	39.0	41.2	37.7	36.9	40.2	40.7	40.0
6	38.0	38.5	36.5	37.0	38.5	39.2	38.1
7	35.8	39.1	37.7	35.7	36.0	38.8	35.9
8	31.2	38.1	37.5	36.9	31.6	37.9	31.2
9	28.4	33.7	38.4	38.0	28.0	33.9	28.7
10	31.9	35.0	37.0	37.9	32.1	35.2	32.0
11	34.7	37.6	37.6	36.8	33.8	37.6	34.3
12	35.8	39.4	36.7	37.5	35.6	39.2	35.4
13	34.1	39.1	37.8	36.8	34.3	39.0	34.4
14	35.2	38.5	36.8	38.0	35.2	38.4	38.5
15	34.7	38.8	37.3	36.9	34.5	38.8	38.6
16	35.0	39.3	37.5	36.7	34.8	39.3	36.6
17	33.2	38.0	37.3	37.2	33.5	37.8	34.1
18	30.1	35.4	37.8	37.7	30.4	35.0	32.5
19	30.8	35.7	36.9	37.2	30.3	36.1	33.7
20	32.9	36.7	37.8	37.4	32.7	36.4	35.4
21	36.3	39.1	36.8	37.5	36.6	38.8	35.5
22	36.4	38.3	37.0	37.5	36.7	38.1	38.0
23	35.2	39.7	37.9	36.9	35.1	39.7	39.2
24	37.2	39.5	37.3	37.7	37.7	39.2	42.1

10-12	35.2	38.4	37.2	37.1	34.6	38.3	34.8
14-16	34.9	39.1	37.4	36.8	34.7	39.1	37.6
0-24	33.1	37.4	37.3	37.3	33.2	37.4	34.2

7 Day Ave

35.7

## Channel 2 - Eastbound

## 85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	48.3	43.3	48.7	43.6	48.2	43.6	53.8
2	48.5	48.3	43.5	43.3	48.2	48.8	48.3
3	43.9	48.2	43.6	43.1	43.3	43.5	43.7
4	43.5	48.5	43.2	43.2	43.8	48.2	43.4
5	43.4	48.2	43.5	43.1	48.1	48.9	48.8
6	43.8	43.6	43.7	43.4	48.5	48.4	43.7
7	43.8	48.4	48.8	44.0	43.8	43.3	43.4
8	38.7	43.9	48.4	43.5	38.8	43.8	38.1
9	33.7	43.5	48.9	48.5	33.3	43.2	33.4
10	39.0	43.2	43.7	44.0	39.0	43.4	38.3
11	38.3	43.7	43.1	43.2	38.8	43.2	38.7
12	43.5	43.7	48.6	48.4	43.7	43.9	43.3
13	38.4	43.6	48.7	43.4	38.9	43.6	38.8
14	38.7	43.8	43.0	48.3	43.9	43.4	43.2
15	38.2	43.2	48.4	43.5	43.4	43.4	43.6
16	43.4	43.8	48.4	43.1	43.1	43.9	44.0
17	38.5	43.2	43.3	43.5	39.0	43.6	43.2
18	38.8	44.0	44.0	44.0	38.8	43.9	38.9
19	38.5	43.1	43.8	43.6	38.7	43.5	43.1
20	38.4	43.1	43.7	43.9	38.4	43.3	44.0
21	43.5	48.8	43.4	43.7	43.0	43.9	43.6
22	43.2	43.4	43.7	43.4	43.2	43.3	43.6
23	43.6	48.5	43.3	43.7	43.2	48.3	48.9
24	43.5	43.1	48.4	43.1	43.5	43.2	48.6

10-12	38.7	43.1	48.4	43.8	38.4	43.3	38.2
14-16	43.9	43.2	48.9	43.7	38.1	43.0	43.9
0-24	38.4	43.0	48.1	43.5	38.3	43.7	43.1

7 Day Ave

42.6

# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

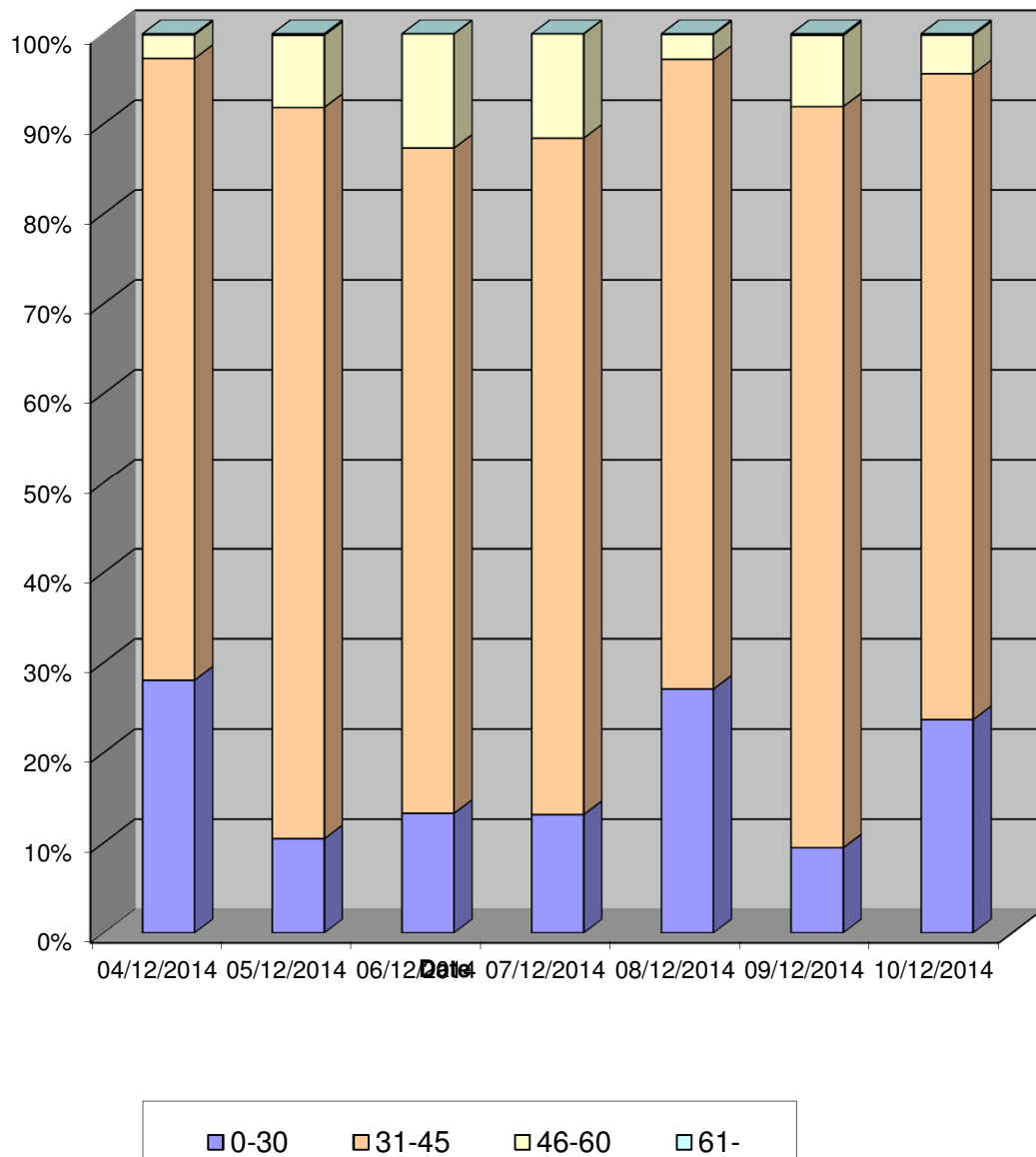
Channel 2 - Eastbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	2924	1097	1227	875	2797	1029	2412
31-45	7223	8553	6850	5019	7254	8985	7331
46-60	274	843	1176	773	285	864	438
61-	11	17	0	0	8	17	14
<b>TOTAL</b>	<b>10432</b>	<b>10510</b>	<b>9253</b>	<b>6667</b>	<b>10344</b>	<b>10895</b>	<b>10195</b>

**Speed Summary (MPH)**

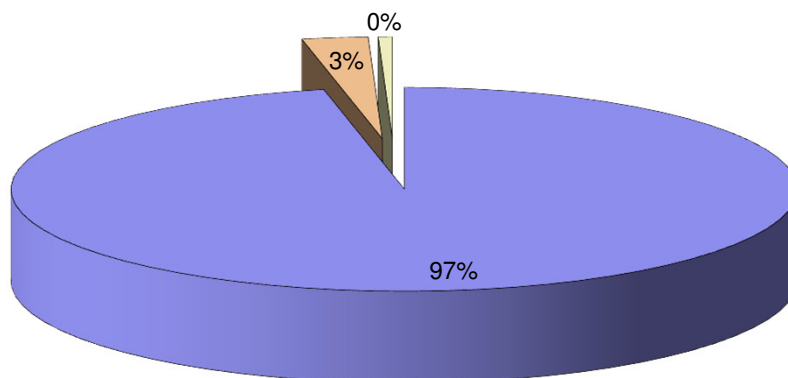


# Milton Heights ATC, A4130

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Eastbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	7753	243	39	8035
6-22	9428	283	60	9771
6-24	9799	288	73	10160
0-24	10057	299	76	10432
05/12/2014				
7-19	8063	273	49	8385
6-22	9522	301	56	9879
6-24	9899	307	57	10263
0-24	10130	318	62	10510
06/12/2014				
7-19	6896	133	24	7053
6-22	8189	155	30	8374
6-24	8711	158	35	8904
0-24	9050	166	37	9253
07/12/2014				
7-19	4720	220	14	4954
6-22	5753	243	20	6016
6-24	6004	247	24	6275
0-24	6389	252	26	6667
08/12/2014				
7-19	7530	225	39	7794
6-22	9294	258	60	9612
6-24	9737	263	74	10074
0-24	9997	270	77	10344
09/12/2014				
7-19	8486	246	52	8784
6-22	9910	276	59	10245
6-24	10299	282	60	10641
0-24	10543	287	65	10895
10/12/2014				
7-19	7802	222	43	8067
6-22	9165	251	48	9464
6-24	9607	252	48	9907
0-24	9885	259	51	10195
Average				
7-19	7321	223	37	7582
6-22	8752	252	48	9052
6-24	9151	257	53	9461
0-24	9436	264	56	9757

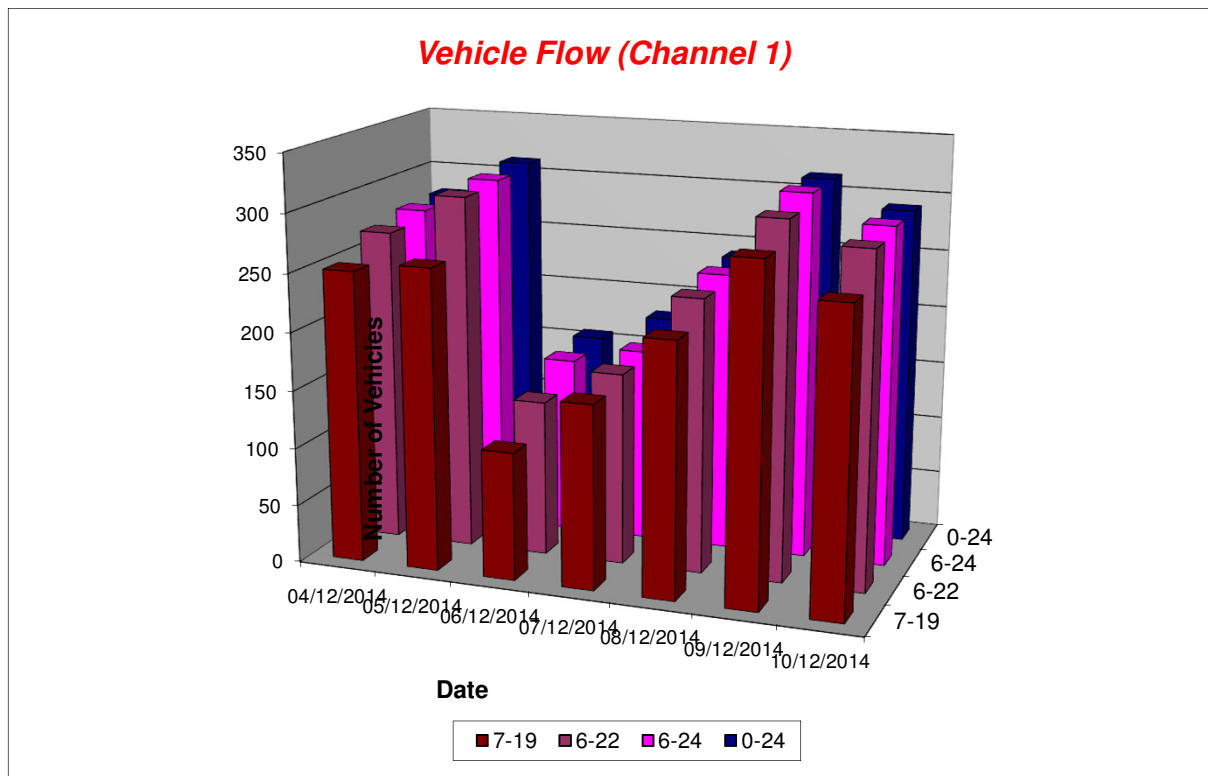
**Total Vehicle Class Distribution**



# Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound								Vehicle Flow	Week 1
Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday	5 Day Ave	7 Day Ave
1	0	3	3	11	0	0	0	1	2
2	1	1	0	2	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
7	3	1	1	1	3	4	3	3	2
8	24	17	1	2	21	32	25	24	17
9	30	41	2	1	62	94	78	61	44
10	22	21	7	7	23	18	25	22	18
11	8	11	6	7	6	7	8	8	8
12	13	15	9	17	4	9	4	9	10
13	54	20	13	31	11	7	10	20	21
14	13	12	17	22	6	14	13	12	14
15	13	21	15	46	14	14	11	15	19
16	16	37	15	5	20	21	22	23	19
17	21	29	7	7	18	22	20	22	18
18	24	29	7	7	19	26	26	25	20
19	13	6	11	6	13	23	16	14	13
20	8	4	5	3	8	9	16	9	8
21	3	30	11	1	1	4	6	9	8
22	5	11	7	2	6	1	3	5	5
23	5	2	7	1	2	7	5	4	4
24	2	1	12	1	3	2	0	2	3
7-19	251	259	110	158	217	287	258	254	220
6-22	270	305	134	165	235	305	286	280	243
6-24	277	308	153	167	240	314	291	286	250
0-24	279	312	157	180	240	314	291	287	253



# Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	43.0	46.3	36.2	-	-	-
2	18.0	47.0	-	39.5	-	-	-
3	-	-	47.0	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	16.0	-	-	-	-	-	-
7	42.3	37.0	44.0	46.0	52.0	38.0	44.7
8	39.4	37.3	54.0	38.5	41.7	37.1	38.4
9	43.1	40.9	36.5	47.0	44.8	38.8	44.2
10	39.8	39.0	36.1	39.3	39.2	37.3	39.2
11	36.6	36.5	37.2	37.0	33.2	31.3	34.6
12	31.8	33.1	33.6	35.4	35.3	33.1	34.0
13	39.6	35.3	36.3	30.9	28.6	29.0	27.7
14	33.9	35.7	35.8	31.0	31.5	26.2	37.7
15	34.8	35.2	38.1	30.6	36.3	35.9	38.1
16	34.7	42.0	38.0	35.8	38.5	35.6	34.6
17	39.4	40.9	31.4	34.9	35.1	39.6	40.4
18	39.8	38.3	39.7	42.6	36.7	32.5	35.8
19	38.1	34.3	40.8	43.3	40.0	38.3	33.1
20	37.6	40.3	35.2	46.0	33.8	40.8	29.7
21	37.3	31.3	34.6	36.0	52.0	36.8	42.5
22	35.4	38.9	32.0	41.5	41.2	42.0	40.3
23	40.4	30.5	31.9	37.0	41.5	33.9	42.0
24	32.0	36.0	27.6	52.0	25.0	44.0	-

10-12	33.7	34.5	35.0	35.8	34.0	32.3	34.4
14-16	34.7	39.5	38.1	31.1	37.6	35.7	35.8
0-24	38.4	37.8	35.9	34.2	39.2	36.5	38.5

7 Day Ave 37.4

Channel 1 - Northbound

85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	49.0	51.4	53.5	-	-	-
2	-	-	-	43.4	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
7	47.0	-	-	-	58.5	44.7	52.6
8	48.0	43.6	-	39.6	49.0	44.4	47.0
9	54.3	50.0	38.3	-	50.9	48.0	50.5
10	49.0	45.0	37.6	44.1	46.7	42.9	50.0
11	39.9	46.5	42.3	43.6	39.3	36.2	37.9
12	40.4	41.9	44.8	44.6	47.3	42.0	45.3
13	46.1	44.5	44.2	38.5	40.5	37.1	35.6
14	43.0	40.4	41.6	39.7	40.3	34.1	43.8
15	40.8	48.0	43.7	38.0	42.4	45.1	46.5
16	44.8	48.0	47.9	42.4	44.6	40.0	43.4
17	45.0	48.0	44.7	41.4	45.9	44.9	44.7
18	47.6	44.0	48.0	52.2	50.3	39.3	46.3
19	46.6	43.0	52.0	54.0	51.2	47.7	41.5
20	45.0	48.2	40.0	49.5	41.9	48.2	39.0
21	46.0	37.7	43.0	-	-	44.3	46.8
22	42.8	51.5	37.5	47.5	48.3	-	43.2
23	49.8	38.6	43.1	-	44.0	40.3	44.4
24	36.2	-	35.0	-	30.8	47.5	-

10-12	39.9	46.5	42.3	43.6	39.3	36.2	37.9
14-16	44.0	48.0	47.7	38.5	44.2	41.9	44.2
0-24	47.0	47.0	44.6	44.0	49.0	45.0	48.0

7 Day Ave 47.0

## Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

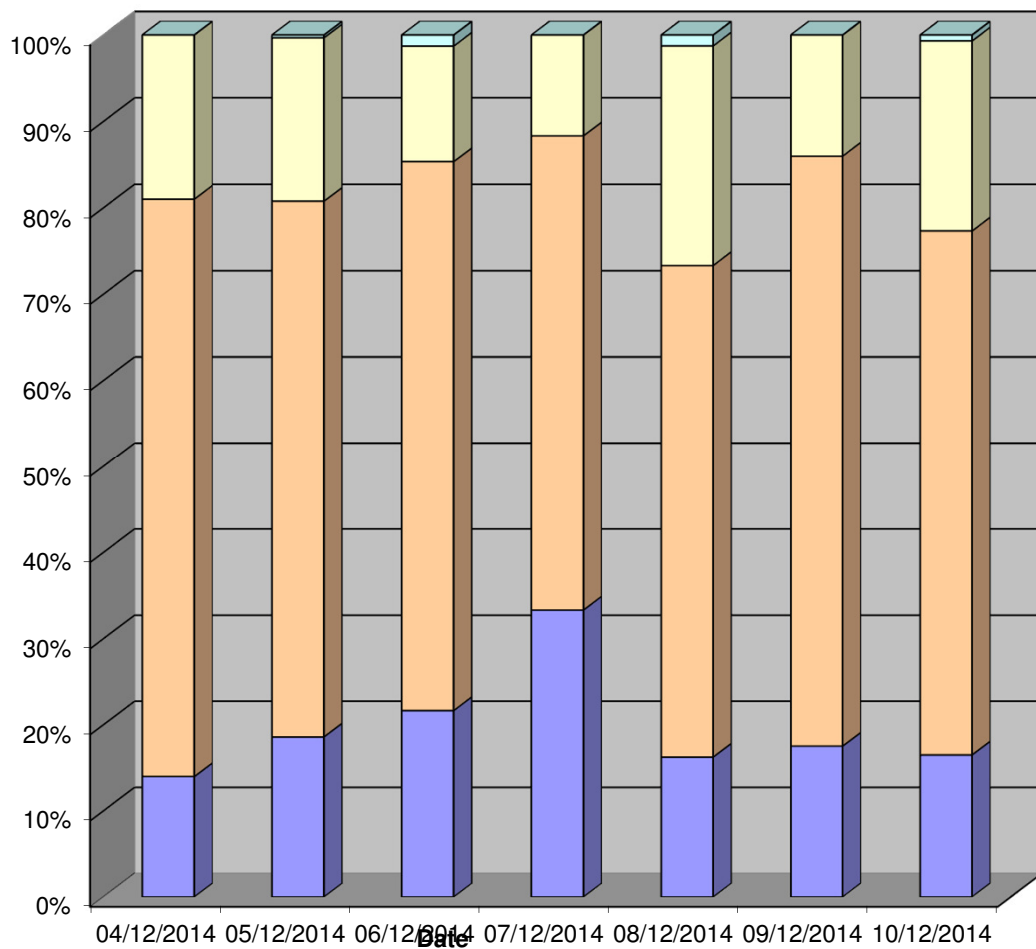
Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	39	58	34	60	39	55	48
31-45	187	194	100	99	137	215	177
46-60	53	59	21	21	61	44	64
61-	0	1	2	0	3	0	2
<b>TOTAL</b>	<b>279</b>	<b>312</b>	<b>157</b>	<b>180</b>	<b>240</b>	<b>314</b>	<b>291</b>

**Speed Summary (MPH)**



0-30 31-45 46-60 61-

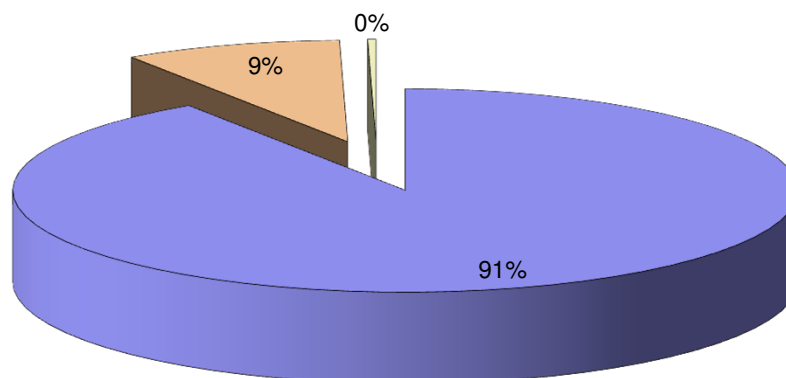


# Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	221	30	0	251
6-22	237	32	1	270
6-24	244	32	1	277
0-24	245	33	1	279
05/12/2014				
7-19	233	23	3	259
6-22	277	25	3	305
6-24	280	25	3	308
0-24	284	25	3	312
06/12/2014				
7-19	102	8	0	110
6-22	124	10	0	134
6-24	143	10	0	153
0-24	147	10	0	157
07/12/2014				
7-19	145	13	0	158
6-22	151	14	0	165
6-24	153	14	0	167
0-24	166	14	0	180
08/12/2014				
7-19	199	18	0	217
6-22	215	19	1	235
6-24	219	20	1	240
0-24	219	20	1	240
09/12/2014				
7-19	252	35	0	287
6-22	268	37	0	305
6-24	277	37	0	314
0-24	277	37	0	314
10/12/2014				
7-19	238	19	1	258
6-22	265	20	1	286
6-24	270	20	1	291
0-24	270	20	1	291
Average				
7-19	199	21	1	220
6-22	220	22	1	243
6-24	227	23	1	250
0-24	230	23	1	253

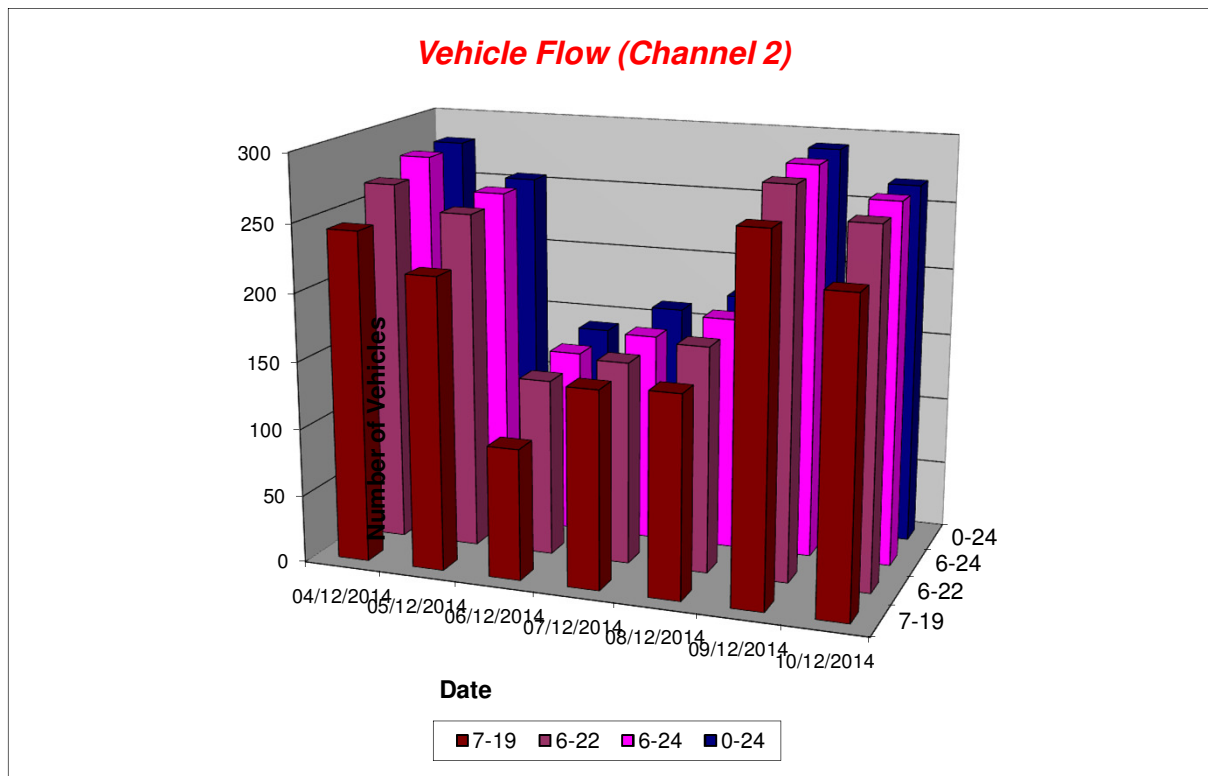
**Total Vehicle Class Distribution**



## Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Southbound								Vehicle Flow	Week 1
Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday	5 Day Ave	7 Day Ave
1	0	0	2	3	0	0	0	0	1
2	1	0	1	4	0	0	0	0	1
3	0	1	0	0	0	0	1	0	0
4	0	0	1	0	0	0	0	0	0
5	1	0	0	0	0	1	0	0	0
6	0	0	0	0	3	1	0	1	1
7	7	4	0	0	5	4	4	5	3
8	12	10	3	0	14	20	11	13	10
9	52	18	5	2	29	72	48	44	32
10	21	11	10	15	12	37	16	19	17
11	5	10	8	15	2	13	2	6	8
12	12	7	10	44	4	6	6	7	13
13	43	16	6	31	11	10	8	18	18
14	17	11	11	8	10	12	15	13	12
15	10	14	11	8	13	14	15	13	12
16	20	15	10	3	19	23	43	24	19
17	20	26	6	5	12	23	23	21	16
18	23	31	6	8	12	22	23	22	18
19	9	47	11	7	11	14	18	20	17
20	5	11	16	3	6	8	22	10	10
21	2	9	13	1	4	3	5	5	5
22	9	9	5	0	3	4	3	6	5
23	10	3	1	2	4	2	4	5	4
24	1	2	5	3	2	2	1	2	2
7-19	244	216	97	146	149	266	228	221	192
6-22	267	249	131	150	167	285	262	246	216
6-24	278	254	137	155	173	289	267	252	222
0-24	280	255	141	162	176	291	268	254	225



# Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

## Channel 2 - Southbound

## Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	-	50.0	41.3	-	-	-
2	36.0	-	23.0	39.5	-	-	-
3	-	39.0	-	-	-	-	38.0
4	-	-	43.0	-	-	-	-
5	44.0	-	-	-	-	32.0	-
6	-	-	-	-	33.7	31.0	-
7	28.4	35.3	-	-	37.6	29.5	26.5
8	32.9	40.1	31.3	-	36.5	33.6	37.0
9	36.3	37.6	39.8	45.5	37.1	39.2	37.2
10	37.0	35.2	35.5	35.0	35.7	32.8	36.6
11	28.6	35.3	38.8	35.3	41.0	34.2	40.0
12	31.8	32.0	34.1	30.7	34.8	33.0	34.0
13	37.5	32.4	46.8	32.3	31.5	28.3	29.1
14	32.7	34.4	36.5	28.9	33.8	36.4	34.7
15	38.7	33.8	30.9	30.6	35.6	32.6	37.1
16	34.2	29.9	38.7	37.7	39.5	35.6	35.9
17	39.8	40.1	30.3	32.0	38.8	33.7	37.4
18	46.9	35.0	39.3	32.8	37.8	39.1	39.4
19	39.9	38.4	36.6	40.6	42.9	33.8	32.7
20	43.6	42.4	33.3	38.0	47.8	37.9	34.7
21	31.5	28.7	34.7	38.0	39.0	38.0	45.6
22	41.6	43.8	39.4	-	26.0	37.5	43.7
23	37.6	39.0	44.0	37.5	33.5	31.0	35.0
24	37.0	38.0	35.6	36.0	26.5	44.5	43.0

10-12	30.8	33.9	36.2	31.9	36.8	33.8	35.5
14-16	35.7	31.8	34.6	32.5	37.9	34.4	36.2
0-24	37.2	36.4	36.2	33.4	37.1	35.6	36.3

7 Day Ave

36.1

## Channel 2 - Southbound

## 85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	-	59.8	43.8	-	-	-
2	-	-	-	49.7	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	37.6	-	-
7	36.4	42.3	-	-	43.4	31.6	36.7
8	42.8	45.3	39.6	-	44.1	39.2	47.0
9	45.0	41.5	50.8	48.7	42.8	46.4	43.0
10	47.0	43.0	40.0	40.0	45.7	39.2	43.5
11	34.2	38.7	48.8	40.0	43.8	41.6	41.4
12	41.2	36.2	44.0	38.0	35.6	41.5	35.8
13	44.0	41.5	53.5	39.0	39.5	34.0	38.9
14	43.2	42.5	47.5	35.9	40.3	46.8	47.3
15	45.3	37.4	49.5	35.0	40.8	39.3	43.9
16	40.2	38.0	47.0	42.3	48.0	42.7	41.0
17	49.2	54.0	43.3	40.6	47.0	50.0	47.4
18	54.2	45.0	45.3	41.8	46.7	49.7	53.2
19	48.8	49.0	43.0	49.3	52.0	40.0	37.5
20	47.6	56.5	41.8	41.4	57.8	44.9	40.9
21	41.0	40.2	45.4	-	47.1	44.2	56.8
22	52.2	55.2	45.4	-	31.1	42.2	46.7
23	45.3	43.8	-	37.9	40.6	36.6	42.7
24	-	39.4	38.4	42.8	26.9	49.1	-

10-12	34.2	38.7	48.8	40.0	43.8	41.6	41.4
14-16	43.0	38.0	48.0	38.0	47.4	42.6	41.5
0-24	47.0	44.0	47.0	41.0	46.0	45.0	43.0

7 Day Ave

45.0

## Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

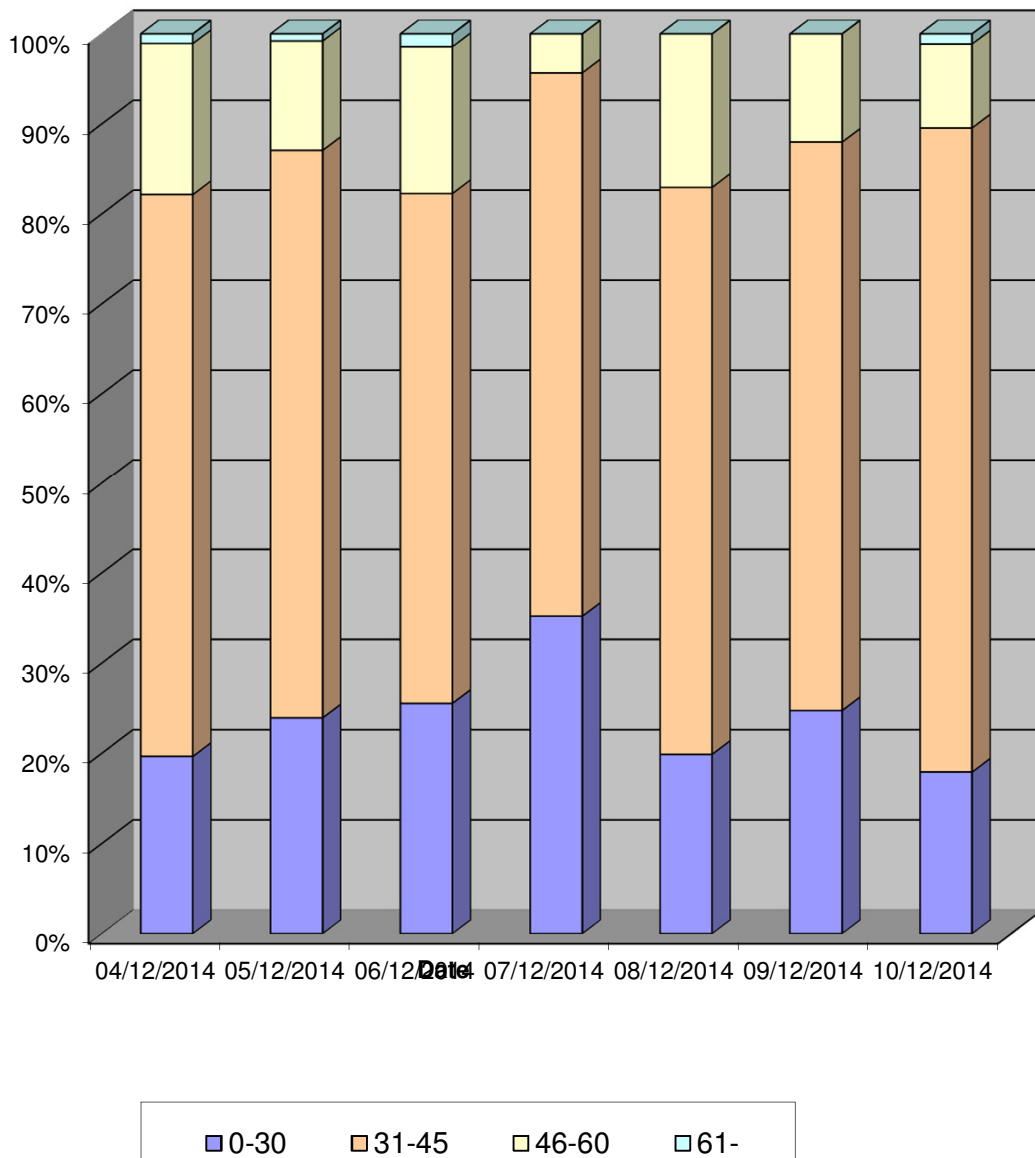
Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	55	61	36	57	35	72	48
31-45	175	161	80	98	111	184	192
46-60	47	31	23	7	30	35	25
61-	3	2	2	0	0	0	3
<b>TOTAL</b>	<b>280</b>	<b>255</b>	<b>141</b>	<b>162</b>	<b>176</b>	<b>291</b>	<b>268</b>

**Speed Summary (MPH)**

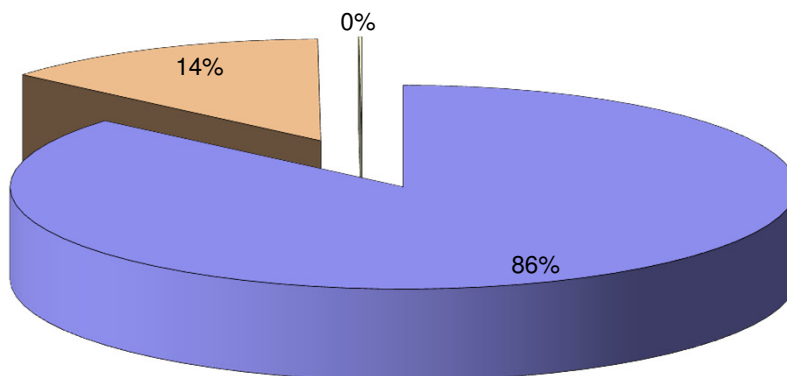


## Milton Heights ATC, Milton Hill (North)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Southbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	203	41	0	244
6-22	222	45	0	267
6-24	233	45	0	278
0-24	234	46	0	280
05/12/2014				
7-19	195	20	1	216
6-22	224	24	1	249
6-24	229	24	1	254
0-24	230	24	1	255
06/12/2014				
7-19	86	11	0	97
6-22	117	14	0	131
6-24	123	14	0	137
0-24	125	16	0	141
07/12/2014				
7-19	135	11	0	146
6-22	139	11	0	150
6-24	144	11	0	155
0-24	149	13	0	162
08/12/2014				
7-19	123	26	0	149
6-22	139	28	0	167
6-24	144	29	0	173
0-24	147	29	0	176
09/12/2014				
7-19	227	39	0	266
6-22	241	44	0	285
6-24	245	44	0	289
0-24	246	45	0	291
10/12/2014				
7-19	191	37	0	228
6-22	220	41	1	262
6-24	225	41	1	267
0-24	226	41	1	268
Average				
7-19	166	26	0	192
6-22	186	30	0	216
6-24	192	30	0	222
0-24	194	31	0	225

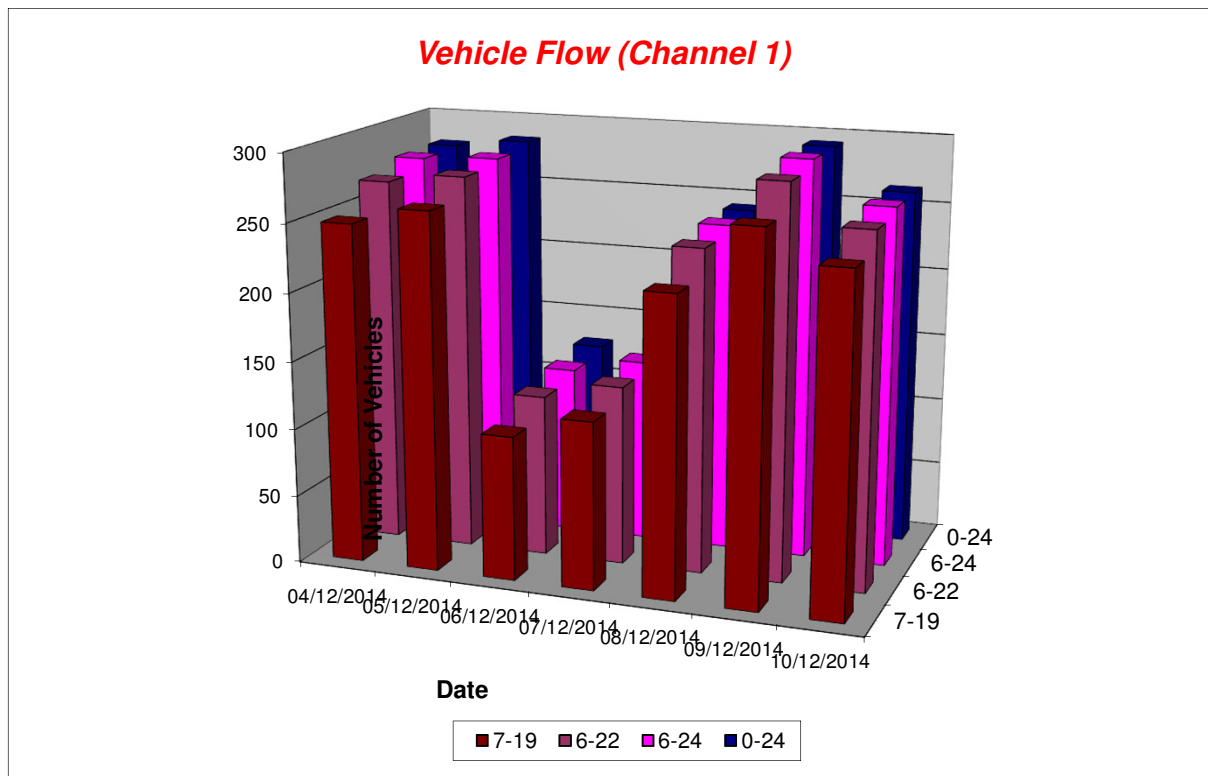
**Total Vehicle Class Distribution**



# Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound								Vehicle Flow	Week 1
Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday	5 Day Ave	7 Day Ave
1	0	3	3	3	0	0	0	1	1
2	1	1	0	1	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	2	1	0	1	2	5	1	2	2
8	22	13	1	2	17	24	21	19	14
9	34	36	2	1	62	100	81	63	45
10	21	27	7	10	29	21	25	25	20
11	8	12	6	6	5	4	5	7	7
12	13	9	12	33	4	9	2	7	12
13	54	23	11	23	10	4	15	21	20
14	15	13	13	13	9	15	10	12	13
15	11	16	22	12	13	9	9	12	13
16	15	39	7	4	19	22	24	24	19
17	19	26	9	5	15	21	17	20	16
18	20	32	8	9	23	24	24	25	20
19	17	16	8	5	12	14	11	14	12
20	9	3	4	5	10	7	5	7	6
21	5	5	7	1	1	7	4	4	4
22	4	5	2	2	6	1	4	4	3
23	6	3	4	1	2	5	5	4	4
24	2	1	1	2	3	1	0	1	1
7-19	249	262	106	123	218	267	244	248	210
6-22	269	276	119	132	237	287	258	265	225
6-24	277	280	124	135	242	293	263	271	231
0-24	278	284	128	139	242	293	263	272	232



# Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	45.0	50.0	58.3	-	-	-
2	11.0	47.0	-	48.0	-	-	-
3	-	-	42.0	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
7	33.0	50.0	-	47.0	56.0	36.2	39.0
8	42.1	37.7	55.0	36.0	42.5	37.9	36.4
9	41.0	41.3	18.0	57.0	44.1	41.0	42.8
10	41.6	38.6	30.1	35.2	37.9	36.7	37.0
11	35.9	31.9	33.0	34.5	33.6	29.0	38.2
12	29.8	31.4	30.9	36.1	27.5	29.4	24.5
13	38.5	38.3	29.7	29.7	29.5	42.3	28.8
14	40.2	33.1	37.1	37.2	32.7	31.2	37.9
15	35.6	39.9	36.1	34.4	34.2	35.8	41.4
16	38.0	42.1	42.3	39.8	41.3	36.3	35.3
17	38.3	41.5	38.0	37.6	33.5	35.9	36.8
18	39.9	37.3	30.6	36.6	32.1	32.1	38.8
19	39.6	34.1	42.4	45.6	42.8	41.3	38.5
20	42.3	43.3	32.8	42.8	31.3	35.3	38.6
21	35.2	39.4	33.3	34.0	60.0	32.9	45.8
22	33.0	42.0	41.5	29.5	42.0	54.0	40.8
23	42.0	24.7	30.3	40.0	42.0	42.0	48.4
24	34.0	40.0	32.0	32.0	27.0	55.0	-

10-12	32.1	31.7	31.6	35.8	30.9	29.3	34.3
14-16	37.0	41.5	37.6	35.8	38.4	36.2	37.0
0-24	38.8	38.7	35.1	36.3	38.5	37.5	38.9

7 Day Ave

38.0

Channel 1 - Northbound

85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	50.2	55.7	63.8	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
7	42.8	-	-	-	56.7	45.0	-
8	50.0	45.8	-	36.7	49.6	48.7	49.0
9	50.1	50.8	22.2	-	50.0	48.2	50.0
10	48.0	48.0	36.1	40.0	49.0	47.0	44.0
11	40.9	44.4	40.3	46.0	40.0	35.2	42.8
12	40.2	36.0	43.1	44.4	37.3	37.2	29.1
13	47.0	50.7	47.0	38.0	35.0	49.9	34.9
14	49.9	41.8	43.0	48.2	43.8	39.7	48.7
15	41.5	50.5	42.0	42.0	43.2	45.6	45.8
16	47.9	52.3	45.0	45.8	46.3	44.0	45.0
17	44.3	50.3	50.6	44.4	39.9	45.0	46.8
18	48.2	47.4	40.8	47.6	44.1	42.1	46.7
19	51.4	44.5	53.3	54.0	50.4	53.2	51.5
20	49.8	48.8	42.4	50.0	40.7	43.1	45.2
21	48.6	42.6	41.3	-	-	50.2	49.7
22	42.6	57.6	46.8	43.9	52.3	-	48.1
23	45.5	33.8	36.2	-	45.5	46.8	50.4
24	38.2	-	-	46.0	33.1	-	-

10-12	40.9	44.4	40.3	46.0	40.0	35.2	42.8
14-16	47.0	52.0	44.0	42.8	46.0	45.0	45.0
0-24	49.0	49.0	47.0	48.0	49.0	47.0	49.0

7 Day Ave

49.0

## Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

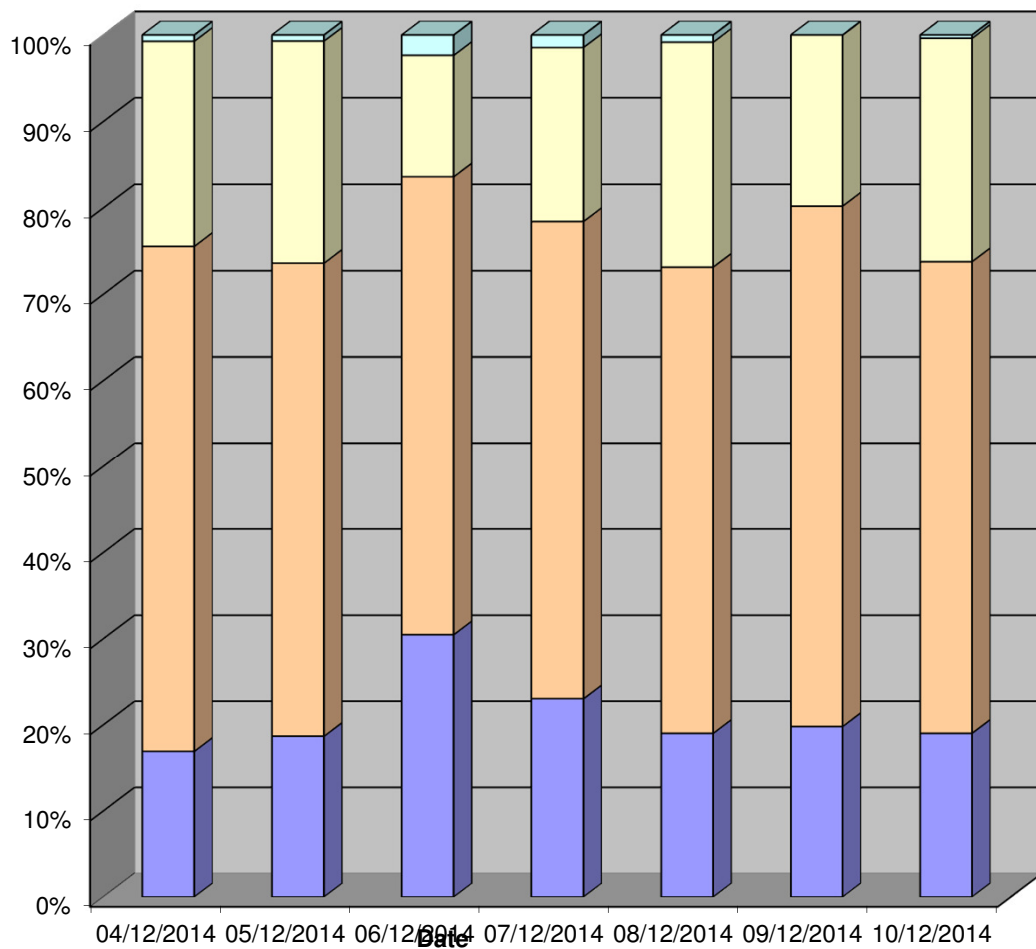
Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	47	53	39	32	46	58	50
31-45	163	156	68	77	131	177	144
46-60	66	73	18	28	63	58	68
61-	2	2	3	2	2	0	1
<b>TOTAL</b>	<b>278</b>	<b>284</b>	<b>128</b>	<b>139</b>	<b>242</b>	<b>293</b>	<b>263</b>

### Speed Summary (MPH)



■ 0-30
 ■ 31-45
 ■ 46-60
 ■ 61-

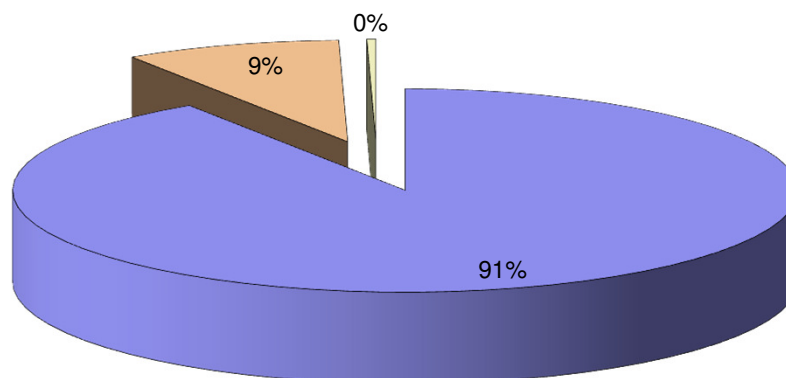


# Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 1 - Northbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	222	27	0	249
6-22	239	29	1	269
6-24	247	29	1	277
0-24	248	29	1	278
05/12/2014				
7-19	239	20	3	262
6-22	253	20	3	276
6-24	257	20	3	280
0-24	261	20	3	284
06/12/2014				
7-19	98	8	0	106
6-22	110	9	0	119
6-24	115	9	0	124
0-24	118	10	0	128
07/12/2014				
7-19	112	11	0	123
6-22	121	11	0	132
6-24	124	11	0	135
0-24	128	11	0	139
08/12/2014				
7-19	199	19	0	218
6-22	216	20	1	237
6-24	220	21	1	242
0-24	220	21	1	242
09/12/2014				
7-19	234	33	0	267
6-22	252	35	0	287
6-24	258	35	0	293
0-24	258	35	0	293
10/12/2014				
7-19	226	17	1	244
6-22	238	19	1	258
6-24	243	19	1	263
0-24	243	19	1	263
Average				
7-19	190	19	1	210
6-22	204	20	1	225
6-24	209	21	1	231
0-24	211	21	1	232

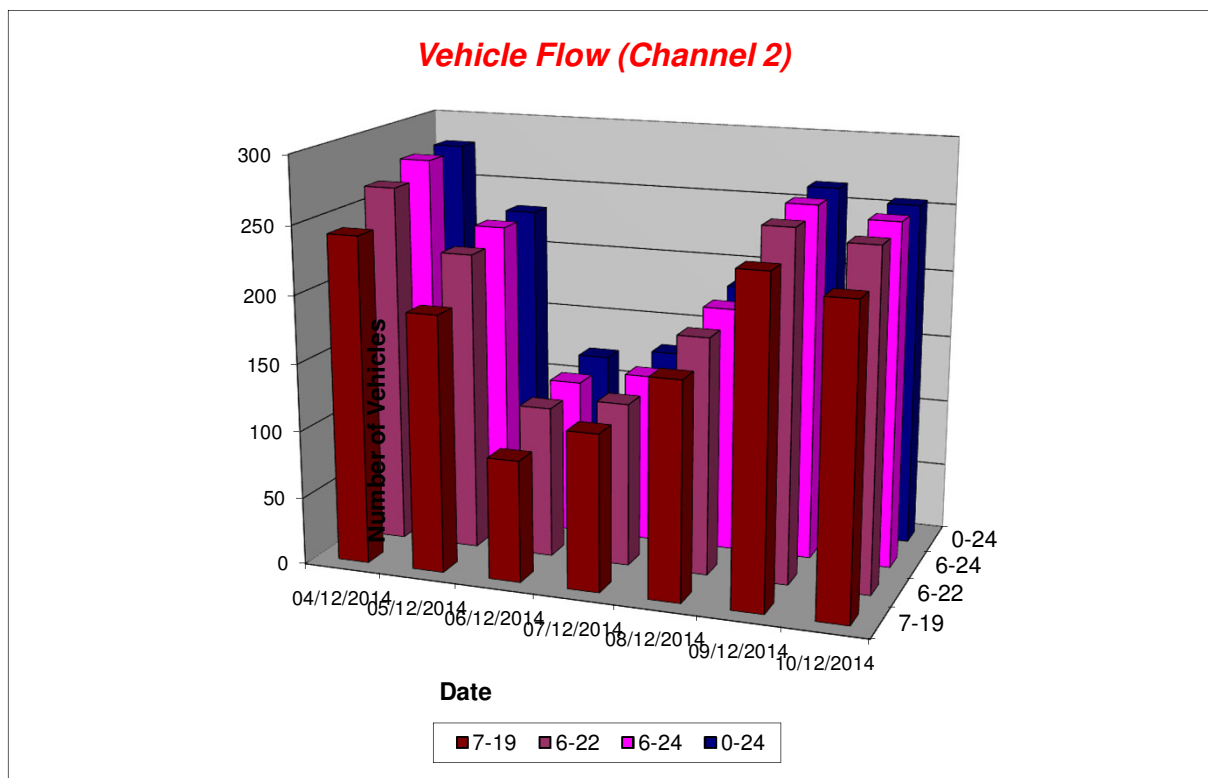
**Total Vehicle Class Distribution**



## Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Southbound									Vehicle Flow	Week 1
Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday		5 Day Ave	7 Day Ave
1	0	0	2	0	0	0	0		0	0
2	1	0	1	3	0	0	0		0	1
3	0	1	0	0	0	0	0		0	0
4	0	0	1	0	0	0	0		0	0
5	1	0	1	0	0	1	0		0	0
6	0	0	0	0	3	1	1		1	1
7	7	4	0	0	4	4	4		5	3
8	10	7	1	0	10	16	10		11	8
9	51	20	7	2	33	71	47		44	33
10	20	12	9	0	15	23	17		17	14
11	7	10	7	11	6	14	4		8	8
12	13	7	13	34	4	5	3		6	11
13	42	15	4	27	9	11	11		18	17
14	17	9	11	7	13	8	17		13	12
15	4	13	6	13	11	11	16		11	11
16	25	18	10	4	22	24	46		27	21
17	20	21	6	2	10	24	23		20	15
18	23	21	7	9	14	18	19		19	16
19	10	37	9	7	13	14	12		17	15
20	6	7	13	4	5	8	9		7	7
21	2	11	7	1	5	4	8		6	5
22	9	9	2	0	1	2	3		5	4
23	10	7	3	2	5	3	4		6	5
24	1	2	1	3	2	2	1		2	2
7-19	242	190	90	116	160	239	225		211	180
6-22	266	221	112	121	175	257	249		234	200
6-24	277	230	116	126	182	262	254		241	207
0-24	279	231	121	129	185	264	255		243	209



# Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Southbound

Average Speed

Week 1

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	-	57.5	-	-	-	-
2	38.0	-	26.0	39.0	-	-	-
3	-	37.0	-	-	-	-	-
4	-	-	43.0	-	-	-	-
5	41.0	-	39.0	-	-	37.0	-
6	-	-	-	-	36.7	32.0	32.0
7	29.9	34.3	-	-	36.8	30.5	30.8
8	38.4	45.6	24.0	-	37.5	29.6	36.4
9	35.8	34.5	37.0	47.5	33.6	35.9	34.1
10	35.7	36.9	34.8	-	34.1	31.6	31.8
11	31.6	29.1	35.1	33.5	30.8	36.1	35.8
12	32.9	38.7	32.2	29.1	36.8	24.2	39.0
13	34.3	36.2	43.8	29.7	33.6	25.5	30.5
14	34.5	35.0	33.3	31.9	36.0	40.5	36.9
15	35.0	31.2	37.8	27.5	32.8	32.4	34.6
16	35.9	33.8	37.3	37.3	38.1	34.9	36.3
17	39.6	38.6	37.3	35.5	39.4	36.4	37.2
18	42.4	32.8	26.9	34.1	35.7	36.4	37.3
19	36.9	38.7	36.3	39.7	39.2	33.1	30.7
20	37.7	44.9	27.0	42.8	41.6	30.3	32.6
21	13.0	33.7	35.4	35.0	48.0	25.5	37.5
22	39.4	42.3	56.5	-	42.0	42.5	46.7
23	42.0	35.4	32.0	36.0	36.4	30.0	31.5
24	36.0	40.0	31.0	36.0	29.5	45.5	42.0

10-12	32.5	33.1	33.2	30.2	33.2	32.9	37.1
14-16	35.8	32.7	37.5	29.8	36.3	34.1	35.9
0-24	36.3	36.3	34.7	32.1	36.1	34.0	35.1

7 Day Ave 35.1

Channel 2 - Southbound

85th Percentile

Hr Ending	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
1	-	-	71.2	-	-	-	-
2	-	-	-	43.7	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	37.4	-	-
7	39.1	39.4	-	-	44.2	37.2	37.2
8	48.7	53.1	-	-	45.7	43.5	44.6
9	47.0	45.0	48.4	48.6	44.4	44.5	47.1
10	49.1	45.0	42.2	-	43.5	43.7	39.6
11	38.2	36.3	42.5	39.0	42.0	43.1	43.1
12	48.2	47.4	44.2	41.1	40.1	34.2	43.2
13	44.0	50.9	50.5	39.0	41.6	33.5	39.0
14	40.2	47.2	45.5	44.0	44.2	48.0	48.6
15	41.7	44.6	52.0	33.2	39.0	40.5	44.8
16	45.0	43.0	51.9	39.6	48.9	47.7	44.0
17	50.3	47.0	44.3	41.5	51.6	46.0	49.0
18	51.7	41.0	35.3	42.8	42.2	49.4	59.6
19	45.7	45.6	48.8	58.1	56.4	44.2	40.4
20	51.5	59.1	36.6	50.1	48.8	41.6	42.8
21	13.0	39.5	44.2	-	58.2	40.6	49.6
22	51.6	53.2	65.3	-	-	43.6	53.9
23	53.0	53.6	37.1	38.8	45.2	36.1	37.7
24	-	46.3	-	46.3	30.6	49.4	-

10-12	38.2	36.3	42.5	39.0	42.0	43.1	43.1
14-16	44.8	43.5	53.0	37.2	48.2	45.9	44.0
0-24	48.0	47.0	46.0	41.8	46.4	45.0	45.0

7 Day Ave 46.0

## Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

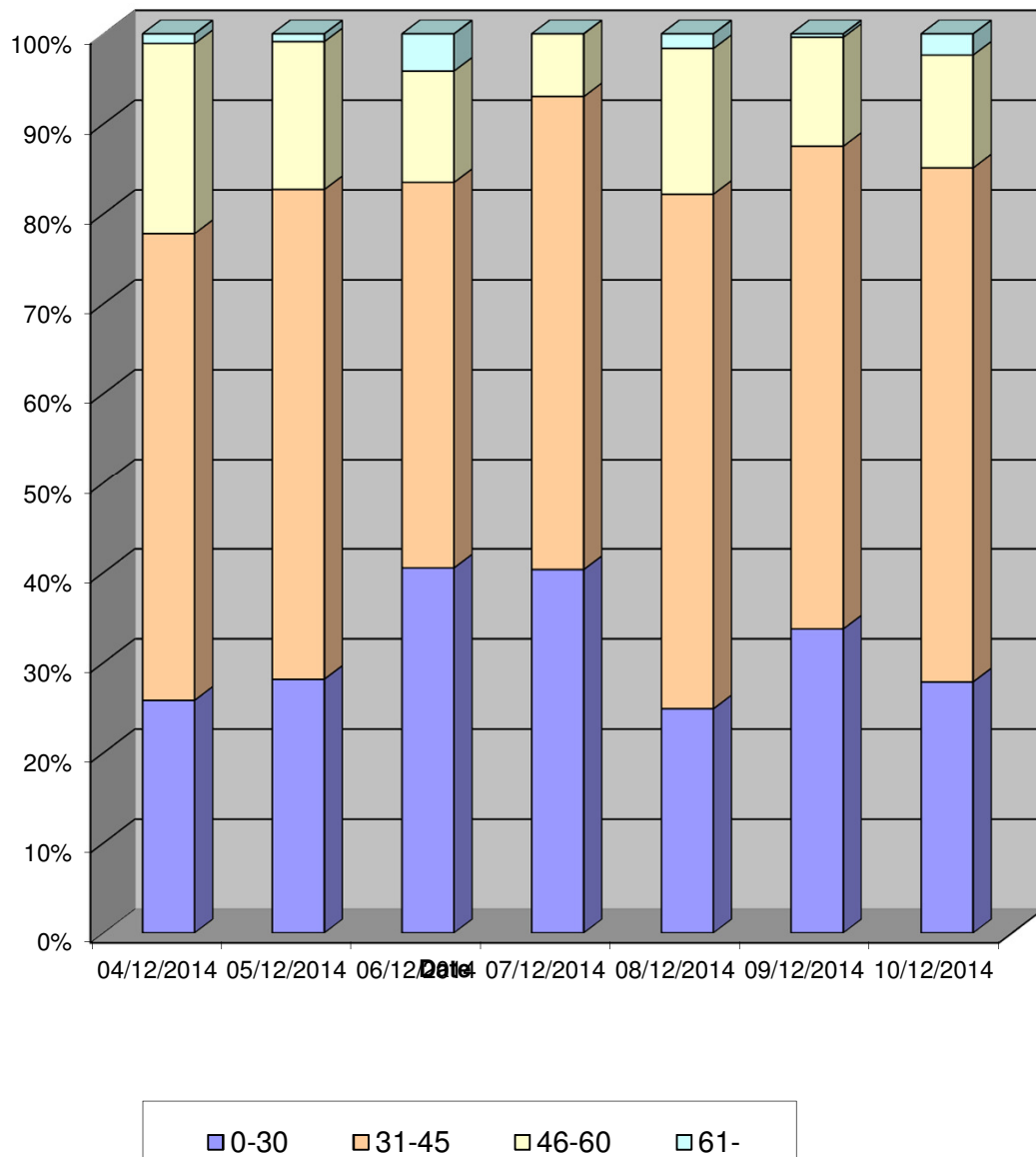
Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	04/12/2014 Thursday	05/12/2014 Friday	06/12/2014 Saturday	07/12/2014 Sunday	08/12/2014 Monday	09/12/2014 Tuesday	10/12/2014 Wednesday
0-30	72	65	49	52	46	89	71
31-45	145	126	52	68	106	142	146
46-60	59	38	15	9	30	32	32
61-	3	2	5	0	3	1	6
<b>TOTAL</b>	<b>279</b>	<b>231</b>	<b>121</b>	<b>129</b>	<b>185</b>	<b>264</b>	<b>255</b>

**Speed Summary (MPH)**

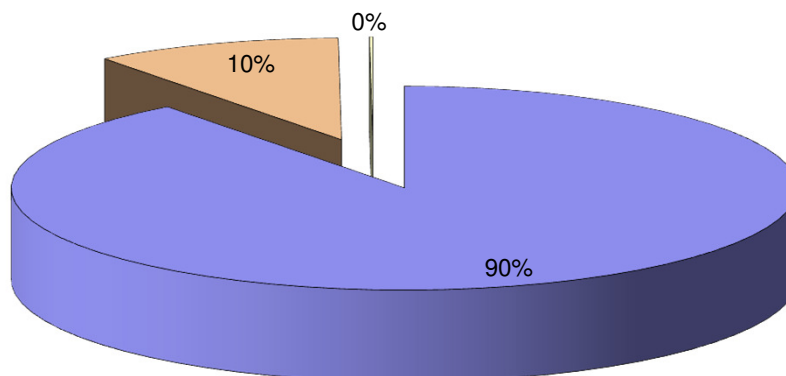


## Milton Heights ATC, Milton Hill (South)

Produced by PCC Traffic Information Consultancy Ltd.

Channel 2 - Southbound		Vehicle Class		Week 1
Classes	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
Day / Time				
04/12/2014				
7-19	214	28	0	242
6-22	236	30	0	266
6-24	247	30	0	277
0-24	248	31	0	279
05/12/2014				
7-19	181	8	1	190
6-22	209	11	1	221
6-24	217	12	1	230
0-24	218	12	1	231
06/12/2014				
7-19	83	7	0	90
6-22	103	9	0	112
6-24	107	9	0	116
0-24	110	11	0	121
07/12/2014				
7-19	106	10	0	116
6-22	111	10	0	121
6-24	116	10	0	126
0-24	118	11	0	129
08/12/2014				
7-19	138	22	0	160
6-22	152	23	0	175
6-24	158	24	0	182
0-24	161	24	0	185
09/12/2014				
7-19	207	32	0	239
6-22	220	37	0	257
6-24	225	37	0	262
0-24	226	38	0	264
10/12/2014				
7-19	205	20	0	225
6-22	226	22	1	249
6-24	231	22	1	254
0-24	232	22	1	255
Average				
7-19	162	18	0	180
6-22	180	20	0	200
6-24	186	21	0	207
0-24	188	21	0	209

**Total Vehicle Class Distribution**



**Appendix C**  
**Visibility Splays**

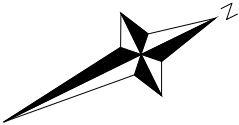


VISIBILITY SPLAYS – TO THE LEFT



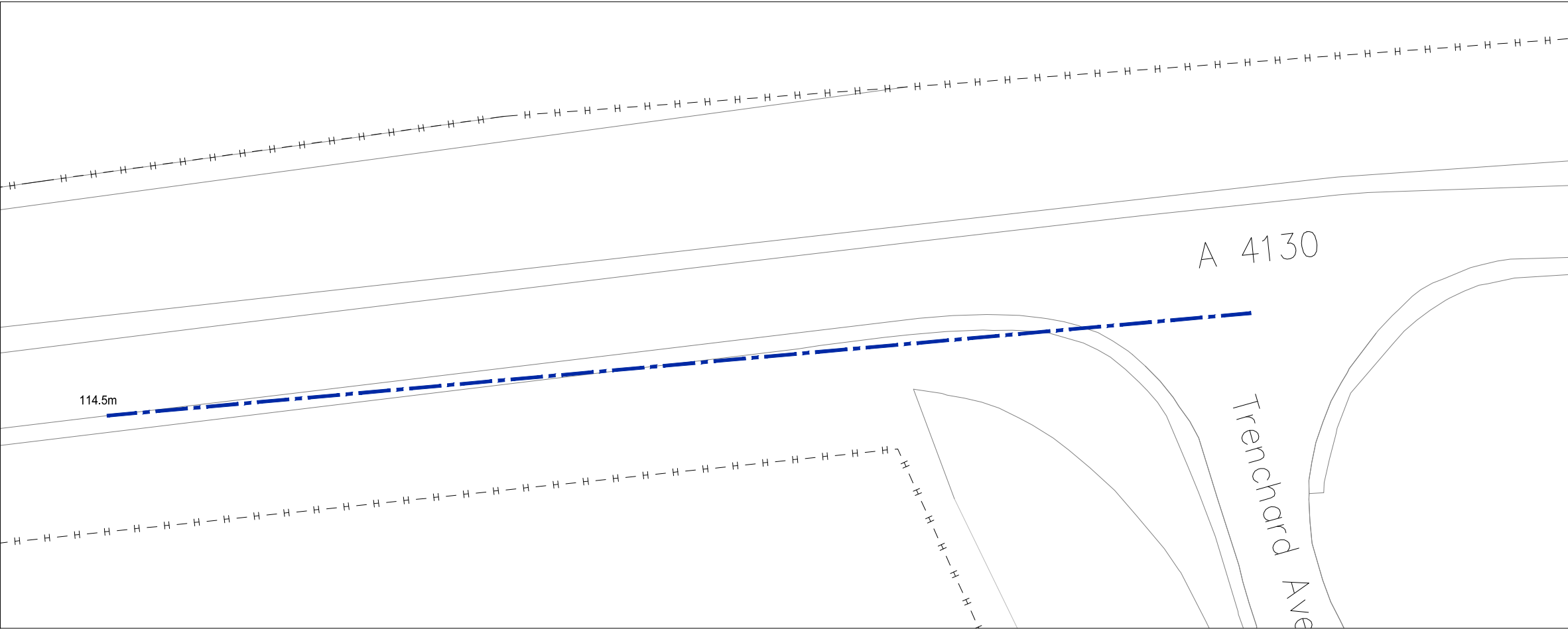
VISIBILITY SPLAYS – TO THE RIGHT

NOTE  
Reproduced from Ordnance Survey digital data with the permission of the Controller of Her Majesty's Stationery Office, Crown copyright (AL814229).

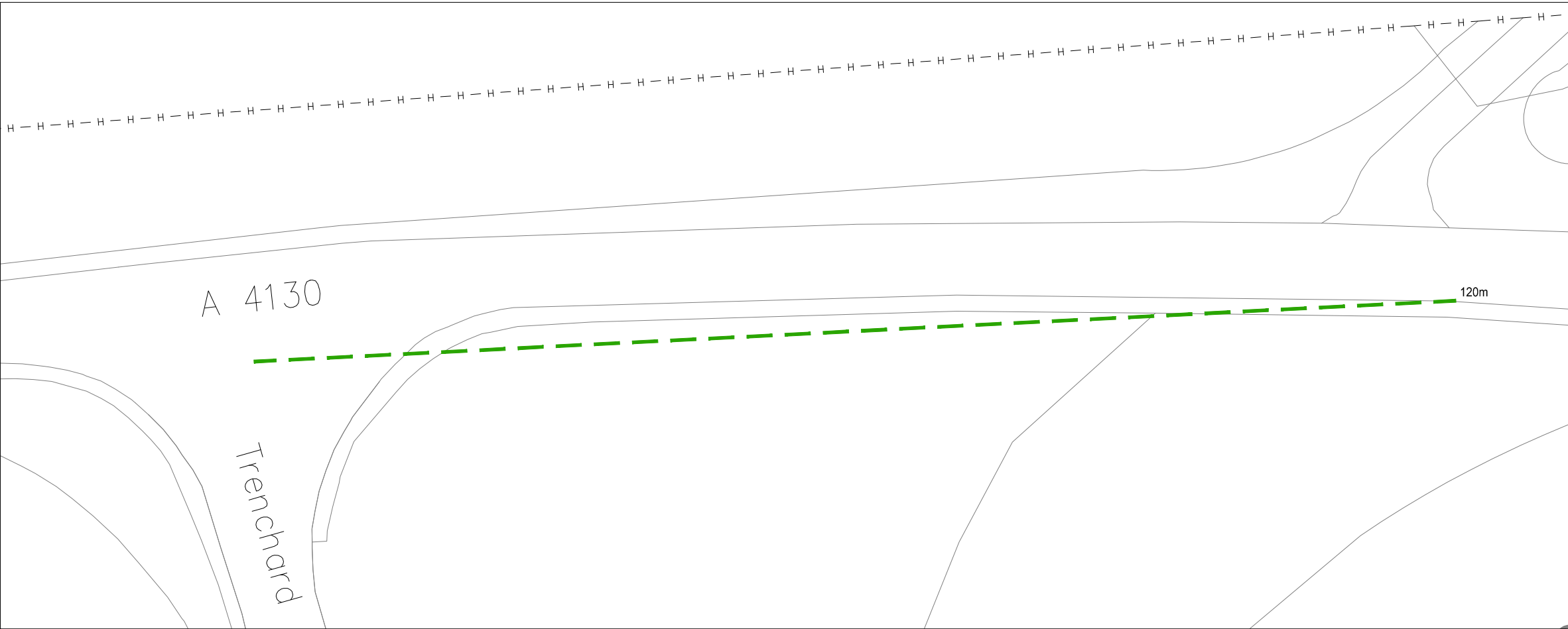


- KEY
- Strategic Housing site boundary
  - - - 2.4m x 'y'm desirable minimum visibility splays
  - - - 2.4m x 'y'm absolute minimum visibility splays
  - H - H - Highway boundary

Rev.	Description	Date	Chkd
 <b>Glanville</b> Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 817799 postbox@glanvillegroup.com www.glanvillegroup.com			
Client :		Hartwright Family	
Project :		Milton Heights Strategic Housing Allocation	
Title :		Proposed Access & Visibility Splays	
Project Engineer :		B. East	Scale : 1: 500 @ A3
Project Director :		T. Foxall	Date : December 2014
Status :			



DESIRABLE VISIBILITY SPLAY – TO THE LEFT



VISIBILITY SPLAY – TO THE RIGHT

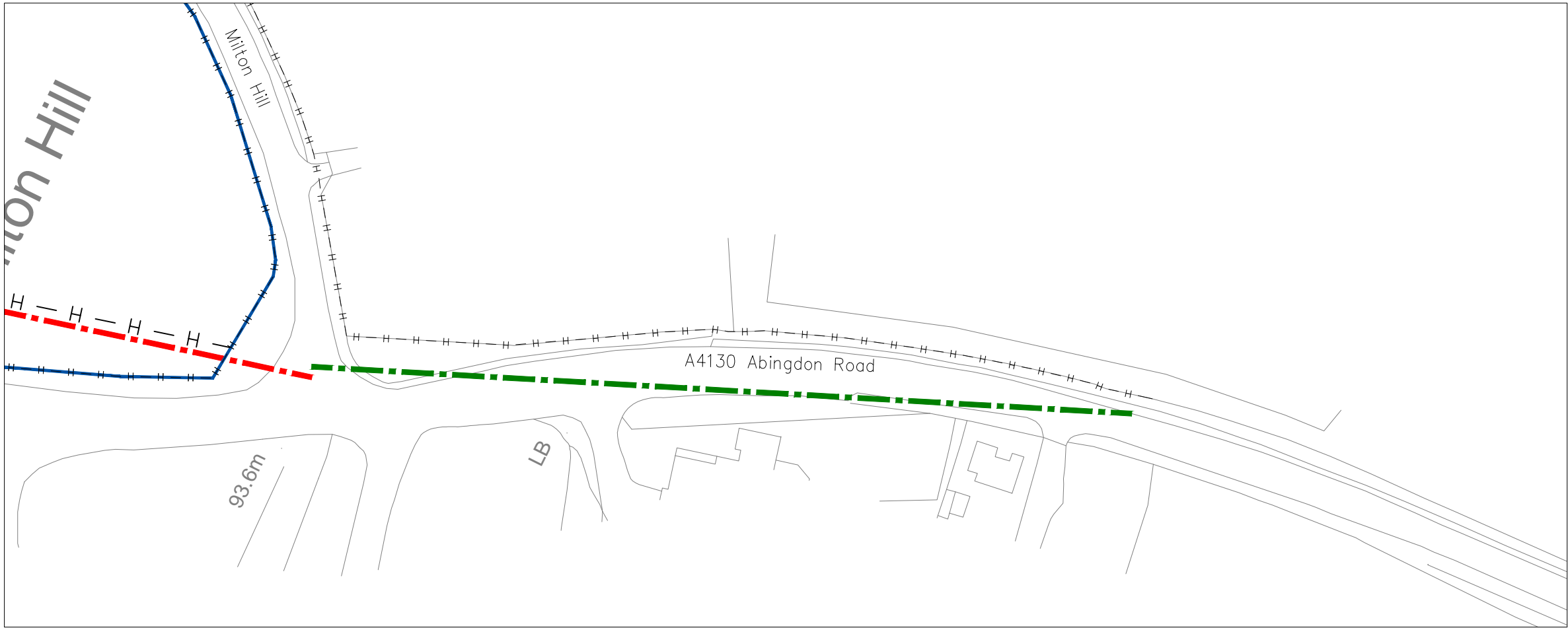
**NOTE**  
Reproduced from Ordnance Survey digital data with the permission of the Controller of Her Majesty's Stationery Office, Crown copyright (AL814229).

**KEY**

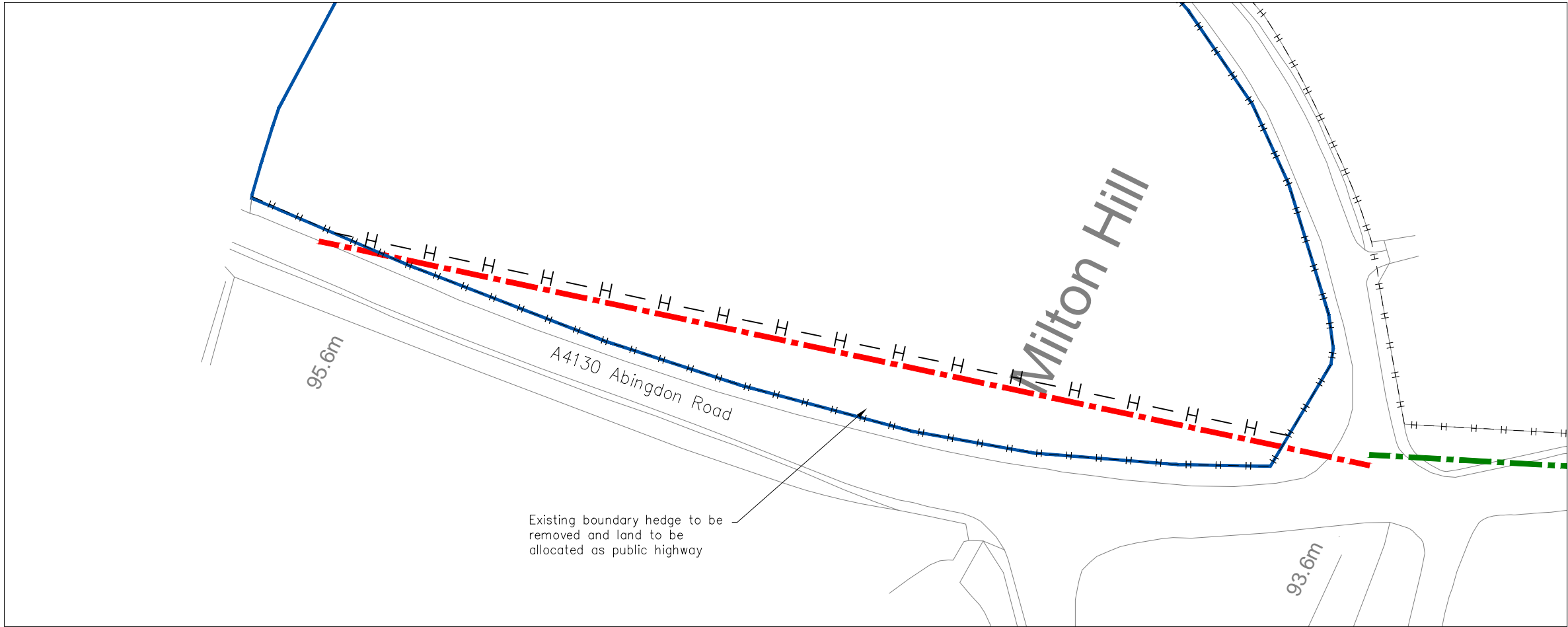
- 2.4m x 114.5m desirable minimum visibility splay
- 2.4m x 120m visibility splay
- Highway boundary

Rev.	Description	Date	Chkd
 <b>Glanville</b> Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 817799 postbox@glanvillegroup.com www.glanvillegroup.com			
Client : Hartwright Family			
Project : Milton Heights Strategic Housing Allocation			
Title : Trenchard Avenue / A4130 Abingdon Road Visibility Splays			
Project Engineer : B. East		Scale :	1: 500 @ A3
Project Director : T. Foxall		Date :	December 2014
Status :			
Drawing No. TR8140378/02			Rev



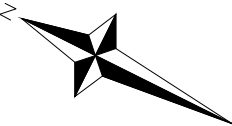


VISIBILITY SPLAY – TO THE LEFT



VISIBILITY SPLAY – TO THE RIGHT

NOTE  
Reproduced from Ordnance Survey digital data with the permission of the Controller of Her Majesty's Stationery Office, Crown copyright (AL814229).



- KEY
- Extent of land within promoters control
  - 2.4m x 215m visibility splays
  - 4.5m x 164.4m visibility splay
  - Existing highway boundary
  - Proposed highway boundary

Rev.	Description	Date	Chkd
 <div><b>Glanville</b> Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 817799 postbox@glanvillegroup.com www.glanvillegroup.com</div>			
Client : Hartwright Family			
Project : Milton Heights Strategic Housing Allocation			
Title : Milton Hill / A4130 Abingdon Road Visibility Splays			
Project Engineer : B. East		Scale :	1: 1000 @ A3
Project Director : T. Foxall		Date :	December 2014
Status :			
Drawing No. TR8140378/03			Rev

**Appendix D**  
**TRICS Output**

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : M - MIXED PRIVATE/AFFORDABLE HOUSING  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	HC HAMPSHIRE	1 days
	RE READING	1 days
	SC SURREY	1 days
05	EAST MIDLANDS	
	LE LEICESTERSHIRE	1 days
08	NORTH WEST	
	MS MERSEYSIDE	2 days
09	NORTH	
	DH DURHAM	1 days

## Filtering Stage 2 selection:

Parameter: Number of dwellings  
 Actual Range: 16 to 500 (units: )  
 Range Selected by User: 14 to 1874 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 08/05/14

Selected survey days:

Tuesday	1 days
Wednesday	3 days
Thursday	1 days
Friday	4 days

Selected survey types:

Manual count	9 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town	9
--------------	---

Selected Location Sub Categories:

Residential Zone	8
Built-Up Zone	1

## Filtering Stage 3 selection:

Use Class:

C3	9 days
----	--------

Population within 1 mile:

1,001 to 5,000	3 days
5,001 to 10,000	2 days
10,001 to 15,000	1 days
20,001 to 25,000	1 days
25,001 to 50,000	2 days

## Filtering Stage 3 selection (Cont.):

Population within 5 miles:

5,001 to 25,000	3 days
75,001 to 100,000	2 days
125,001 to 250,000	3 days
250,001 to 500,000	1 days

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	4 days
1.6 to 2.0	1 days

Travel Plan:

Yes	3 days
No	6 days

LIST OF SITES relevant to selection parameters

1	DH-03-M-02 PUDSEY WALK	SEMI DET. & DETACHED		DURHAM
	DARLINGTON Edge of Town Residential Zone			
	Total Number of dwellings:	39		
	Survey date: WEDNESDAY	10/11/10		Survey Type: MANUAL
2	ES-03-M-03 FIELD END	MIXED HOUSES		EAST SUSSEX
	MARESFIELD Edge of Town Residential Zone			
	Total Number of dwellings:	68		
	Survey date: WEDNESDAY	02/10/13		Survey Type: MANUAL
3	ES-03-M-04 SOUTH COAST ROAD	MIXED HOUSING		EAST SUSSEX
	PEACEHAVEN Edge of Town Residential Zone			
	Total Number of dwellings:	188		
	Survey date: FRIDAY	25/10/13		Survey Type: MANUAL
4	HC-03-M-04 HUNTS POND ROAD TITCHFIELD NEAR FAREHAM	HOUSES & FLATS		HAMPSHIRE
	Edge of Town Residential Zone			
	Total Number of dwellings:	282		
	Survey date: TUESDAY	11/12/12		Survey Type: MANUAL
5	LE-03-M-01 RYDER ROAD BRAUNSTONE FRITH LEICESTER	SEMI DETACHED		LEICESTERSHIRE
	Edge of Town Residential Zone			
	Total Number of dwellings:	16		
	Survey date: THURSDAY	27/09/12		Survey Type: MANUAL
6	MS-03-M-02 LOVEL ROAD SPEKE LIVERPOOL	TERRACED		MERSEYSIDE
	Edge of Town Residential Zone			
	Total Number of dwellings:	27		
	Survey date: FRIDAY	21/06/13		Survey Type: MANUAL
7	MS-03-M-03 LOVEL ROAD SPEKE LIVERPOOL	SEMI DETACHED/TERRACED		MERSEYSIDE
	Edge of Town Residential Zone			
	Total Number of dwellings:	24		
	Survey date: FRIDAY	21/06/13		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	RE-03-M-01 OXFORD ROAD	BLOCKS OF FLATS	READING
	READING Edge of Town Built-Up Zone		
	Total Number of dwellings:	79	
	Survey date: FRIDAY	03/11/06	Survey Type: MANUAL
9	SC-03-M-06 ST ANNE'S DRIVE	HOUSES & FLATS	SURREY
	REDHILL Edge of Town Residential Zone		
	Total Number of dwellings:	500	
	Survey date: WEDNESDAY	11/12/13	Survey Type: MANUAL

Glanville Foxhall Road Didcot

Licence No: 225601

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING  
VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

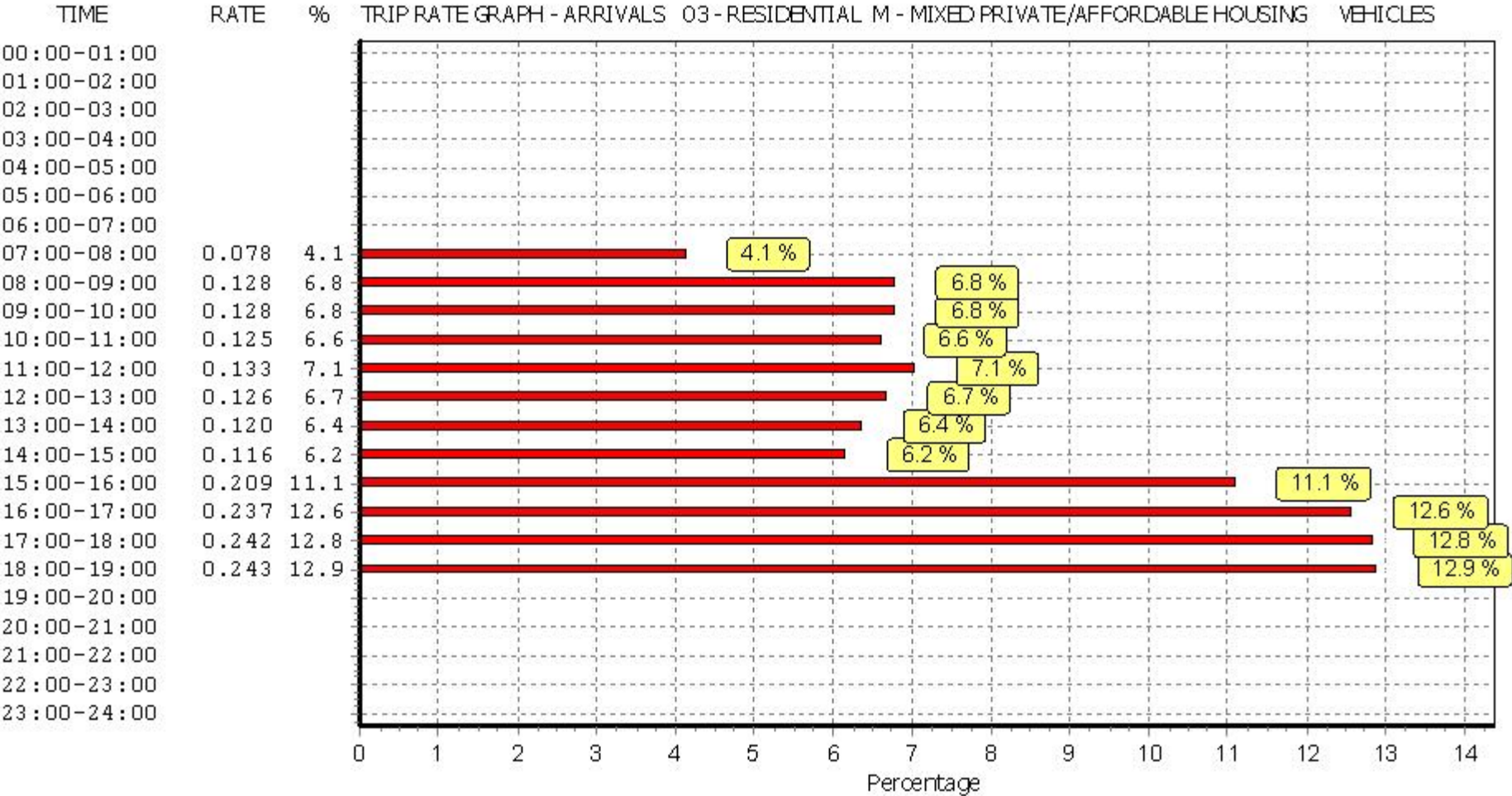
Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	9	136	0.078	9	136	0.209	9	136	0.287
08:00 - 09:00	9	136	0.128	9	136	0.324	9	136	0.452
09:00 - 10:00	9	136	0.128	9	136	0.155	9	136	0.283
10:00 - 11:00	9	136	0.125	9	136	0.148	9	136	0.273
11:00 - 12:00	9	136	0.133	9	136	0.111	9	136	0.244
12:00 - 13:00	9	136	0.126	9	136	0.146	9	136	0.272
13:00 - 14:00	9	136	0.120	9	136	0.137	9	136	0.257
14:00 - 15:00	9	136	0.116	9	136	0.146	9	136	0.262
15:00 - 16:00	9	136	0.209	9	136	0.150	9	136	0.359
16:00 - 17:00	9	136	0.237	9	136	0.144	9	136	0.381
17:00 - 18:00	9	136	0.242	9	136	0.140	9	136	0.382
18:00 - 19:00	9	136	0.243	9	136	0.114	9	136	0.357
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.885			1.924			3.809

#### Parameter summary

Trip rate parameter range selected: 16 - 500 (units: )  
 Survey date range: 01/01/06 - 08/05/14  
 Number of weekdays (Monday-Friday): 9  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 2

Glanville Foxhall Road Didcot

Licence No: 225601





Glanville Foxhall Road Didcot

Licence No: 225601

