

**NOISE IMPACT STUDY – Project: 21068.00**

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**1545 Woodroffe Avenue Circle K**  
Nepean, ON

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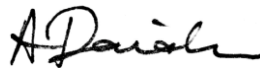
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April 26, 2021

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## Revision History

Version	Description	Author	Reviewed	Date
1	Initial Report	DSF	AD, DF	April 26, 2021

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### **Appendix A**

Road Traffic Data & Sample Calculations

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Stationary Noise Sample Calculations

## 1 Introduction

McIntosh Perry Consulting Engineers (McIntosh Perry) has retained Aercoustics Engineering Limited (Aercoustics) to prepare an Environmental Noise Impact Study (ENIS) for the proposed Circle K development including a Circle K store, gas bar, carwash, and restaurant with drive-thru located at 1545 Woodroffe Avenue in Nepean, Ontario.

The purpose of this study was to examine the noise environment of the proposed development and evaluate its impact on the surrounding noise sensitive receptors. This study also investigates the noise controls required for the development to abide by the noise guidelines of Ontario's Ministry of the Environment, Conservation and Parks (MECP) and the City of Ottawa. This report considered the MECP guideline NPC-300 "Stationary and Transportation Sources – Approval and Planning" (August 2013) and the City of Ottawa's Environmental Noise Control Guidelines (January 2016).

Figure 1 provides a key plan showing the proposed development location. Figure 2 shows the site plan of the proposed development.

The proposed site is located on the northeast corner of Woodroffe Avenue and Medhurst Drive in the City of Ottawa. The development includes a Circle K store, gas bar, carwash with vacuum island and air machine, and a Tim Hortons restaurant with drive-thru. The adjacent land-uses include noise sensitive residential townhouses and a vacant lot to the west.

This report is based on the following information:

- Site plan provided by McIntosh Perry, received on April 9, 2021;
- Noise sources and operating times based on information provided by Circle K and from the previous Noise Report and Addendum by Valcoustics Canada Limited, issued on March 4, 2015 and November 13, 2015, respectively; and
- Road traffic information provided by the City of Ottawa.

The dominant road traffic sources in the subject study area include Woodroffe Avenue and Medhurst Drive.

## 2 Guidelines and Criteria

The site plan is shown in Figure 2 and the receptor locations are shown in Figures 3 to 5. This site is considered an MECP Class 1 area, as traffic noise (manmade activity) dominates the sound environment during all times of day. The noise level limits pertaining to stationary noise sources have been established based on the MECP guideline NPC-300. For sound from a stationary source, the sound level limit at a point of reception, expressed in terms of the one-hour equivalent sound level ( $L_{eq-1hr}$ ), is the higher of the applicable exclusion limit value given in Table 1, or the background sound level for that point of reception.

Table 1: Noise Exclusion Limits – Stationary Noise Sources – Classes 1, 2, 3, and 4

Time of Day	Sound Level Exclusion Limit*	Sound Level Exclusion Limit*	Sound Level Exclusion Limit*	Sound Level Exclusion Limit*
	Class 1 Area	Class 2 Area	Class 3 Area	Class 4 Area
	Outdoor Points of Reception			
Day (07:00 to 19:00)	50 dBA	50 dBA	45 dBA	55 dBA
Evening (19:00 to 23:00)	50 dBA	45 dBA	40 dBA	55 dBA
	Plane of Window of Noise Sensitive Spaces			
Day (07:00 to 19:00)	50 dBA	50 dBA	45 dBA	60 dBA
Evening (19:00 to 23:00)	50 dBA	50 dBA	40 dBA	60 dBA
Night (23:00 to 07:00)	45 dBA	45 dBA	40 dBA	55 dBA

\*or the minimum existing hourly background sound level  $L_{eq}$ , whichever is higher

The outdoor sound level limits for stationary sources apply only to daytime and evening hours while sound level limits apply at all times for the Plane of Window of a noise sensitive space. In general, outdoor points of reception will be protected during the nighttime as a consequence of meeting the sound level limits at the adjacent Plane of Window of noise sensitive spaces.

Based on the predicted noise levels due to traffic, the minimum hourly background sound levels are higher than and supersede the exclusion limits at several receptors.

Noise impact calculations were performed in accordance with the MECP Guidelines and by the Guidelines of the Ontario Road Noise Analysis Method for Environment and Transportation (ORNAMENT). Sample copies of the traffic noise predictions from MECP's Road and Rail Traffic Noise Prediction Model STAMSON (Version 5.04) are included in Appendix A. The 24-hour AADT and hourly vehicle distribution was calculated based on traffic data obtained for Woodroffe Avenue and Medhurst Drive, using the posted speed limit of 80 km/h.

Ambient noise monitoring was also conducted on site by Aercoustics from March 31, 2021 to April 6, 2021. The results of the monitoring were in line with the calculated traffic impact at the site and support the calculated minimum hourly background sound levels.

Based on the operating conditions of the proposed development, it is understood that operations during the nighttime period from 06:00 to 07:00 will be busier than operations for the remainder of the nighttime period from 23:00 to 06:00. As a result, three (3) unique operational periods were evaluated in this study:

- Daytime maximum hourly operations (07:00 – 23:00);
- Nighttime maximum hourly operations (23:00 – 06:00);
- Early morning maximum hourly operations (06:00 – 07:00).

The minimum background sound levels for each scenario were determined based on the lowest one-hour period during the operational periods listed above.

Table 2 lists the sound level limits at each receptor location, based on either the exclusion limit or the minimum hourly background sound level ( $L_{eq-1hr}$ ) due to traffic noise.

Table 2: Summary of Applicable Sound Level

Receptor	Daytime (07:00 to 23:00) Sound Level Limit	Nighttime (23:00 to 06:00) Sound Level Limit	Early Morning (06:00 to 07:00) Sound Level Limit
R01	65 dBA*	54 dBA*	64 dBA*
R02	58 dBA*	45 dBA	57 dBA*
R03	50 dBA	45 dBA	56 dBA*
R04	50 dBA	45 dBA	45 dBA
R05	50 dBA	45 dBA	53 dBA*
R06	50 dBA	45 dBA	53 dBA*
R07	50 dBA	45 dBA	45 dBA
R08	50 dBA	45 dBA	45 dBA
R09	50 dBA	45 dBA	45 dBA
R10	71 dBA*	45 dBA	70 dBA*
R11	53 dBA*	-	-

\*Based on minimum existing hourly background sound level at the receptor location.

The receptor R11 has been placed within the outdoor green space for drainage located northeast of the site and does not belong to a residential area. As a result, the MECP guidelines for stationary noise at an outdoor point of reception are not applicable to this location. However, the noise impact of the proposed development has been considered at this location to ensure the noise from the development remains below the applicable limits in the event residents use this space.

### 3 Noise Level Predictions

Stationary noise sources were identified and modelled based on the site plan and additional information provided by Circle K, as well as the previous noise impact study. The acoustically significant noise sources considered in the analysis are listed in Table 3 below, including their maximum hourly operation for each time period.

Table 3: List of Stationary Noise Sources and Hourly Operation at the Proposed Development

Source	Daytime (07:00 to 23:00) Hourly Operation	Nighttime (23:00 to 06:00) Hourly Operation	Early Morning (06:00 to 07:00) Hourly Operation
Rooftop HVAC units	100% capacity	50% capacity	50% capacity
Rooftop Condensers/ Compressor	100% capacity	100% capacity	100% capacity
Carwash Rooftop MUA unit	100% capacity	100% capacity	100% capacity
Carwash Entrance/Exit	13 vehicles*	1 vehicle*	7 vehicles*
Vacuums	30 minutes	6 minutes	6 minutes
Air Machine	60 minutes	6 minutes	60 minutes
Drive-Thru Speakers	60 minutes	8 minutes	60 minutes
Idling Cars	13 vehicles at carwash, 14 vehicles at drive-thru	2 vehicles at drive-thru	14 vehicles at drive-thru

\*Assumption that the carwash entrance/exit doors are open for 1 minute per vehicle.

The noise from cars travelling through the facility were also included in the analysis. It is assumed that up to 200 car passbys are expected to occur per hour during daytime, 170 car passbys expected per hour during early morning, and car passbys at other times are acoustically insignificant.

The source sound levels used in this analysis were based on similar equipment from Aercoustics' database as well as measurements of equipment in the previous noise impact study.

A Noise Source Summary Table listing the noise sources of the facility can be found in Appendix B.

It is also understood that the architectural design includes a parapet (1.5 m high) on both the Circle K store and carwash rooftops, surrounding mechanical equipment. This has been included in the model and is considered integral to the noise control design.

## 4 Noise Control Recommendations

### 4.1 Predicted Sound Level Impact

The stationary noise source prediction model was generated using Datakustik's CadnaA Noise Prediction Software. This model is based on established noise prediction methods

outlined in the ISO 9613-2 standard “Acoustic – Attenuation of sound during propagation outdoors – Part 2: General method and calculation”. Noise levels were predicted using conditions of downwind propagation, generally with hard ground in paved areas. The worst-case receptor heights were taken as 4.5 m for the 2-storey residences.

Table 4 below shows the results of the worst-case noise predictions on the surrounding receptors.

Table 4: Maximum predicted sound levels at critical receptor locations

Receptor	Daytime (07:00 to 23:00) Sound Level (dBA)			Nighttime (23:00 to 06:00) Sound Level (dBA)			Early Morning (06:00 to 07:00) Sound Level (dBA)		
	Predicted	Limit	Exceedance	Predicted	Limit	Exceedance	Predicted	Limit	Exceedance
	R01	60	65	No	51	54	No	57	64
R02	53	58	No	43	45	No	50	57	No
R03	50	50	No	41	45	No	47	56	No
R04	49	50	No	41	45	No	45	45	No
R05	50	50	No	43	45	No	47	53	No
R06	50	50	No	43	45	No	47	53	No
R07	49	50	No	43	45	No	45	45	No
R08	44	50	No	39	45	No	42	45	No
R09	44	50	No	41	45	No	42	45	No
R10	54	71	No	45	45	No	50	70	No
R11	52	53	No	-	-	-	-	-	-

As shown, the MECP sound level limits are not exceeded at any of the residential receptors. Therefore, no noise mitigation measures are required to address stationary noise sources.

## 5 Conclusions

Aercoustics has conducted an Environmental Noise Impact Study for the proposed Circle K development at 1545 Woodroffe Avenue in Nepean, Ontario. The purpose of this study was to provide noise control recommendations for the Circle K store, gas bar, carwash, and restaurant with drive thru operations in order to satisfy the MECP noise guidelines at the sensitive receptors.

The applicable sound level limits were developed using MECP exclusion limits and minimum existing background sound levels based on traffic noise calculations and the worst-case noise impact from the development to the receptors was evaluated. Based on the analysis, no noise controls are required to meet the sound level limits.





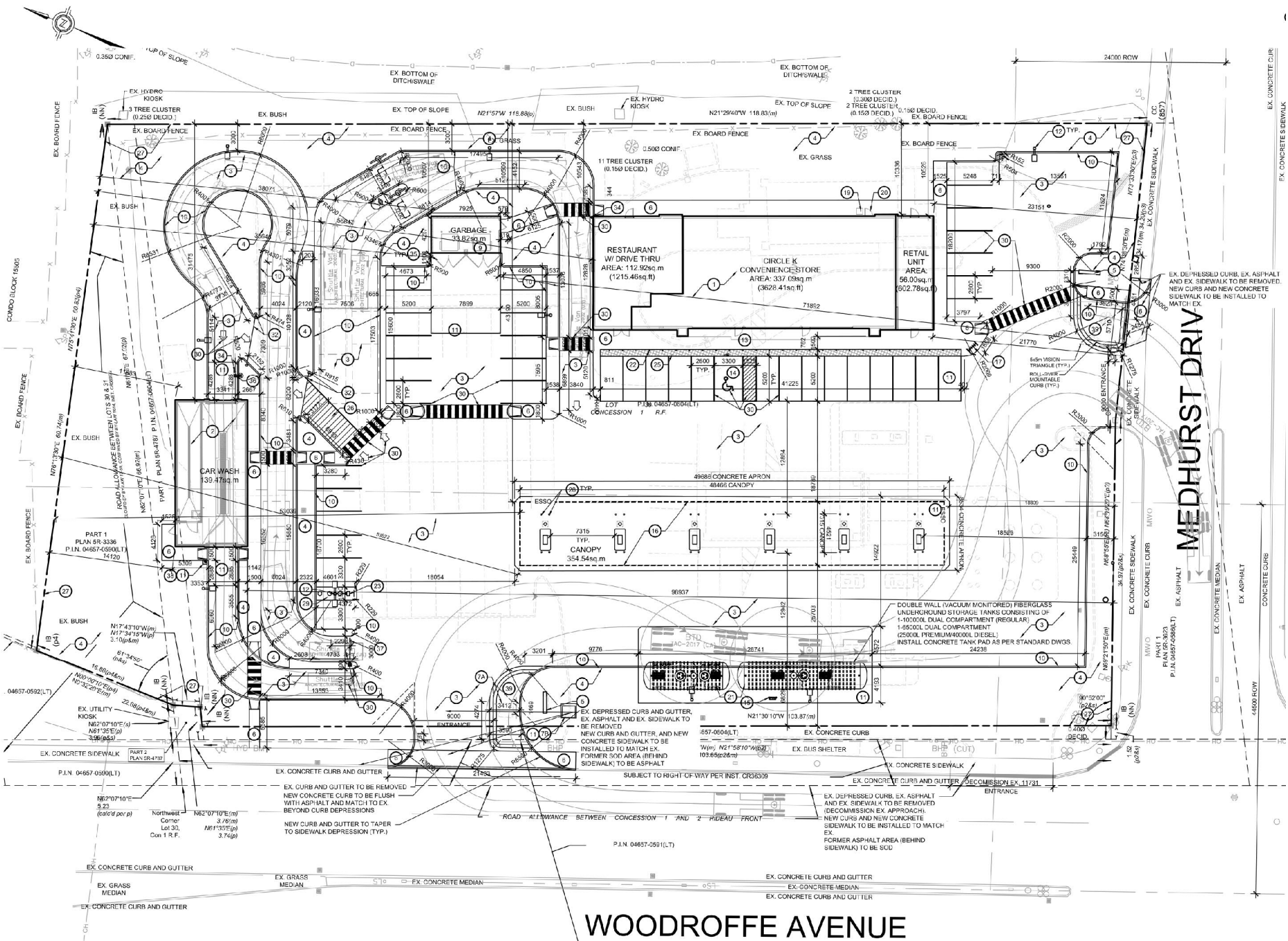
Project ID: 21068.00  
 Scale: NTS  
 Drawn by: DSF  
 Reviewed by: DF  
 Date: Apr 23, 2021  
 Revision: 1

**Project Name**  
 1545 Woodroffe Avenue Circle K

**Figure Title**  
 Key Plan



**Figure 1**



# WOODROFFE AVENUE

**Project ID:** 21068.00

**Project Name**

1545 Woodroffe Avenue Circle K



Scale: NTS

Drawn by: DSF

Reviewed by: DF

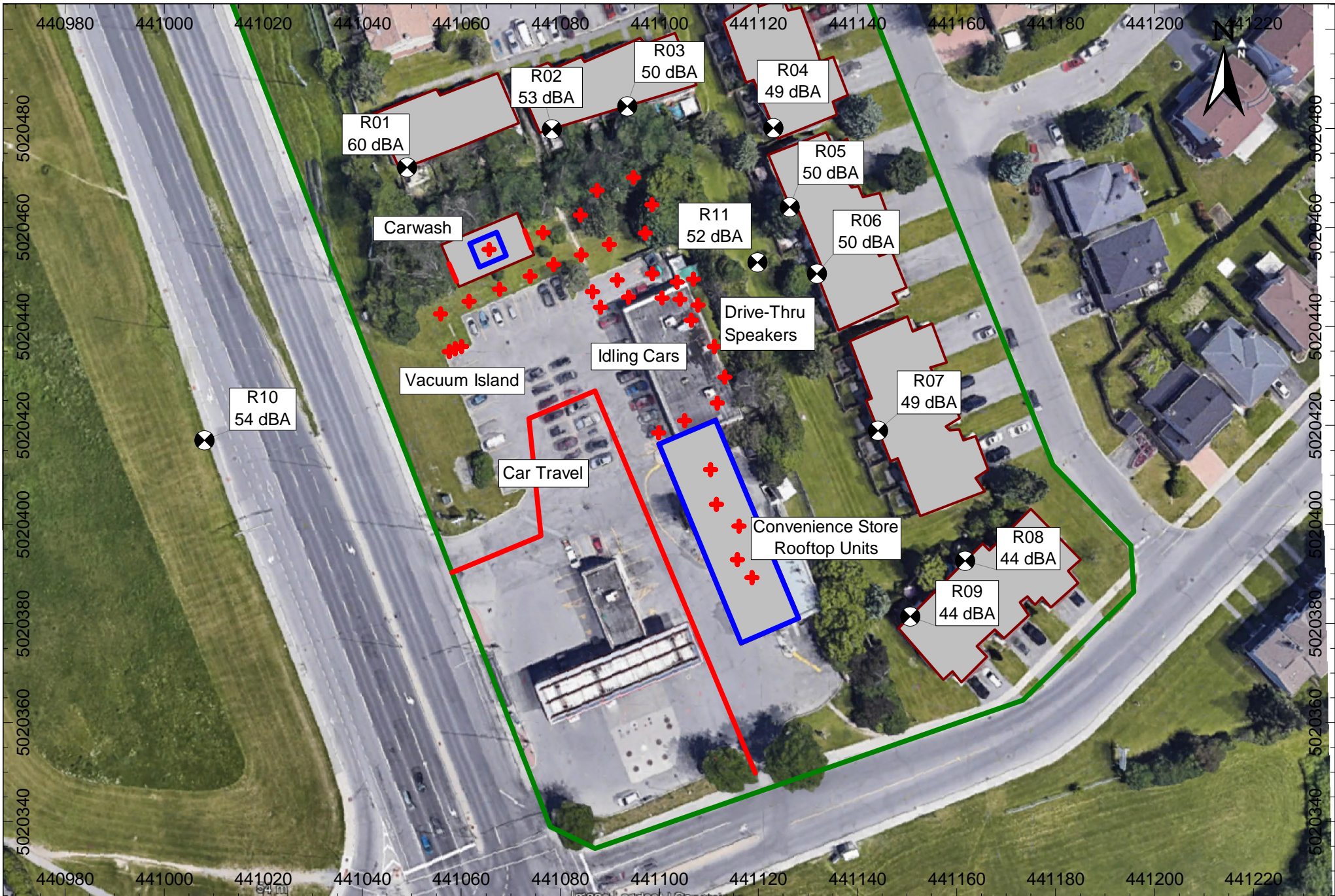
Date: Apr 23, 2021

Revision: 1

**Figure Title**

Site Plan

**Figure 2**



Project ID: 21068.00

Project Name

1545 Woodroffe Avenue Circle K

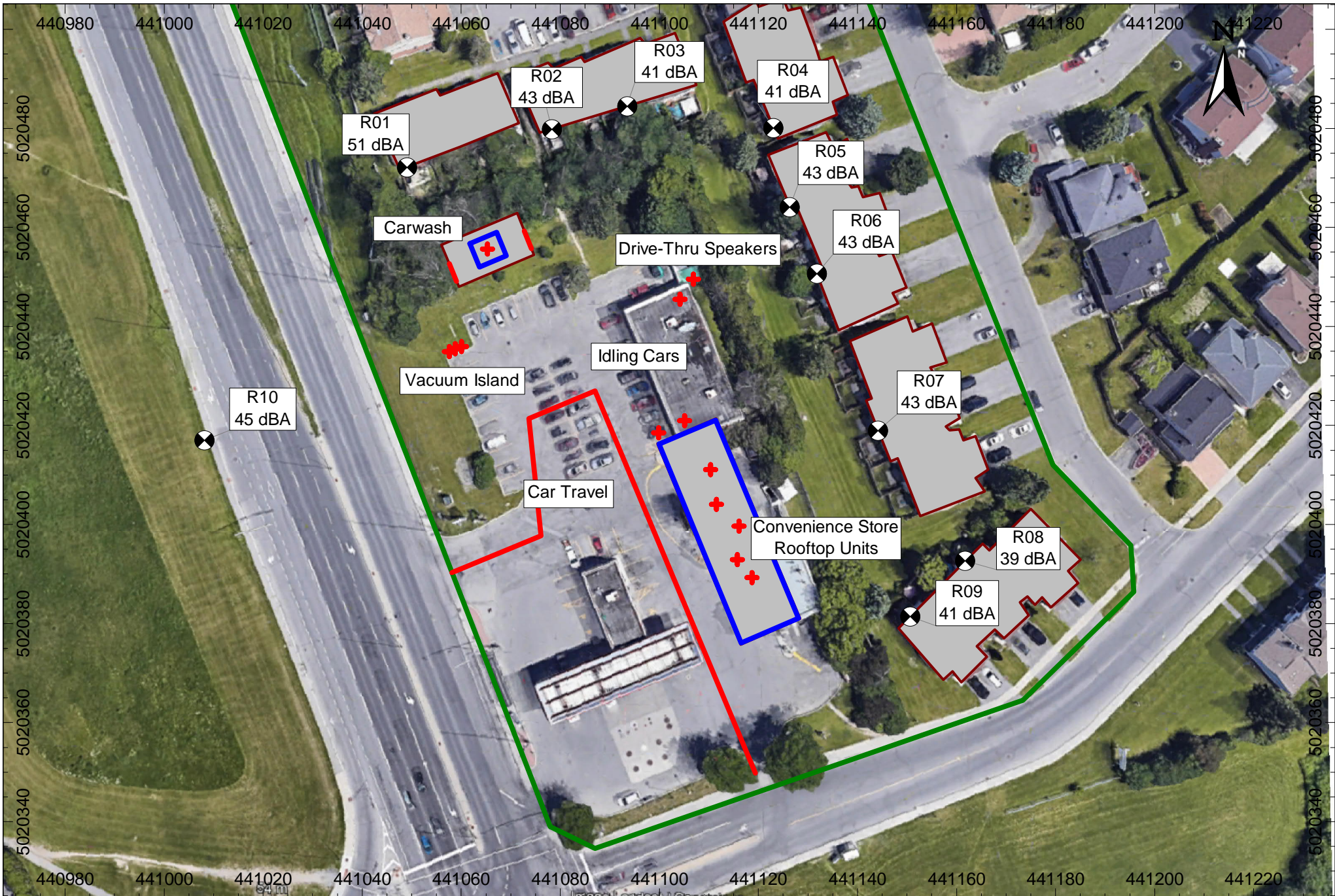


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 Reviewed by: DF  
 Date: April 23, 2021  
 Revision: 1

Figure Title

Noise Sensitive Receptors and Daytime Stationary Noise Sources (07:00 - 23:00)

**Figure 3**



Project ID: 21068.00

Scale: As Indicated  
 Drawn by: DSF  
 Reviewed by: DF  
 Date: April 23, 2021  
 Revision: 1

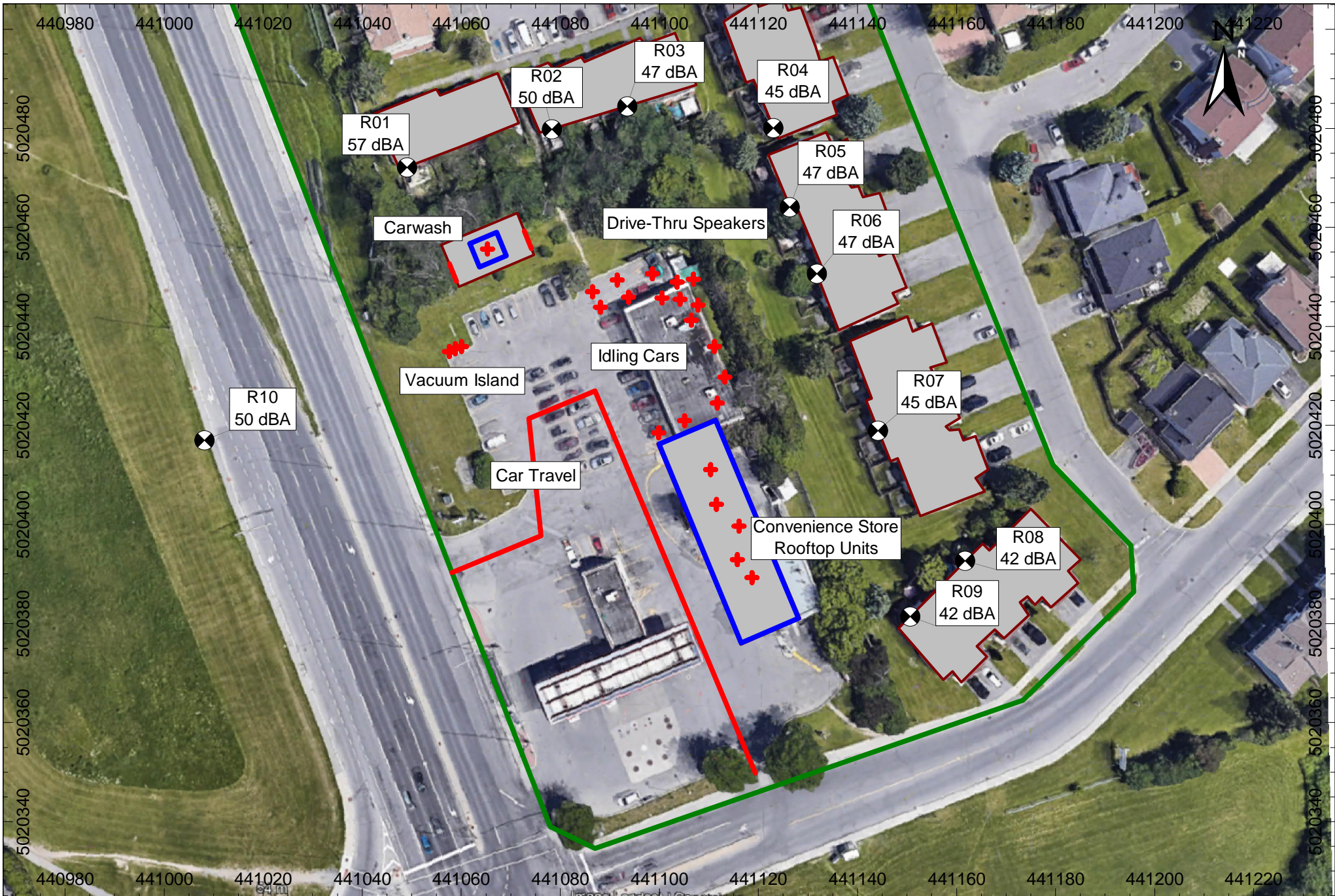
Project Name

1545 Woodroffe Avenue Circle K

Figure Title

Noise Sensitive Receptors and Nighttime Stationary Noise Sources (23:00 - 06:00)

**Figure 4**



Project ID: 21068.00

Scale: As Indicated  
 Drawn by: DSF  
 Reviewed by: DF  
 Date: April 23, 2021  
 Revision: 1

Project Name

1545 Woodroffe Avenue Circle K

Figure Title

Noise Sensitive Receptors and Early Morning Stationary Noise Sources (06:00 - 07:00)

**Figure 5**

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**Appendix A**  
Road Traffic Data & Sample Calculations

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## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

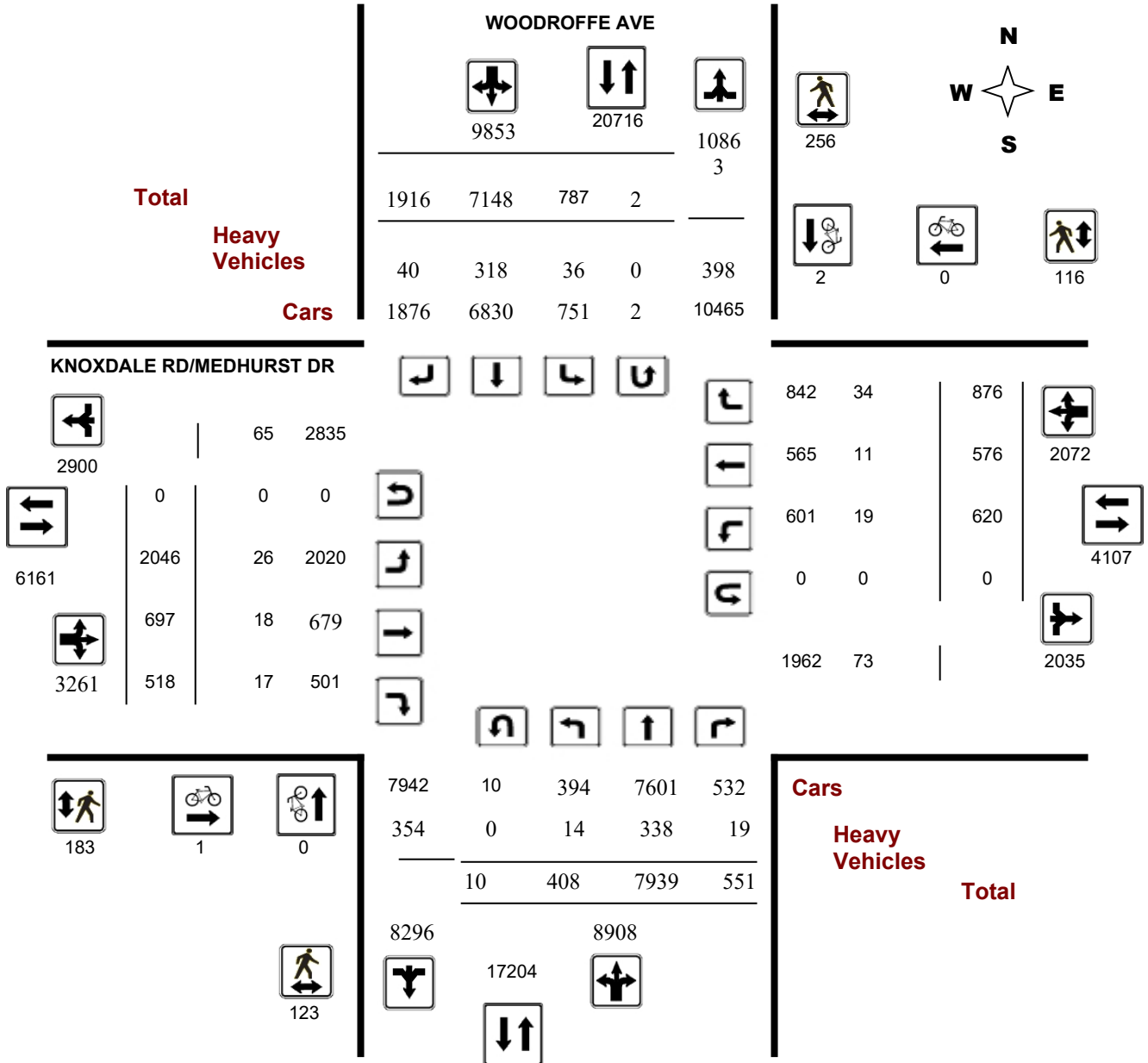
**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Diagram



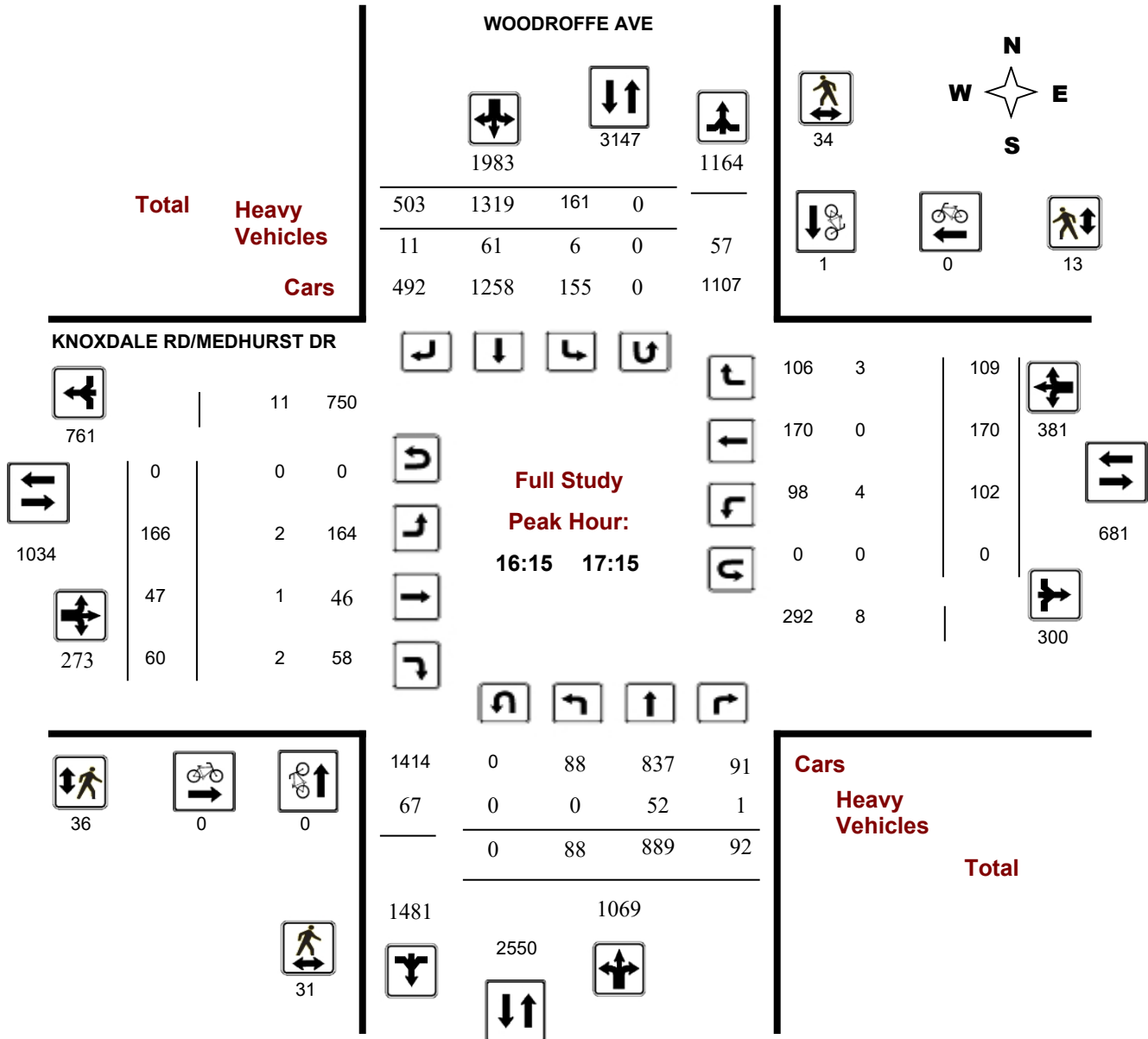
**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Peak Hour Diagram







# Transportation Services - Traffic Services

## Turning Movement Count - Peak Hour Diagram

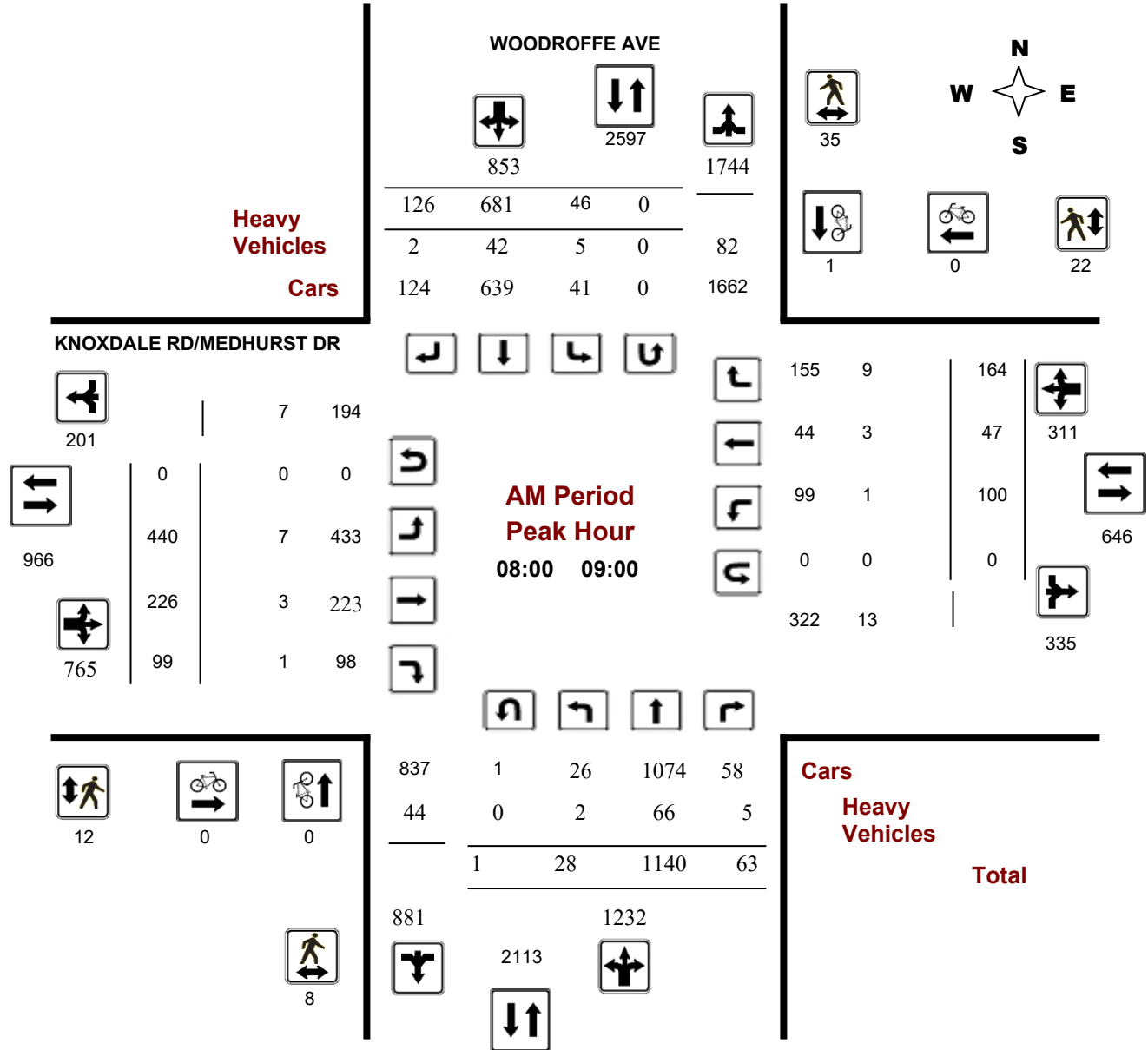
### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

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**WO No:** 37418

**Device:** Miovision



**Comments**

## Turning Movement Count - Peak Hour Diagram

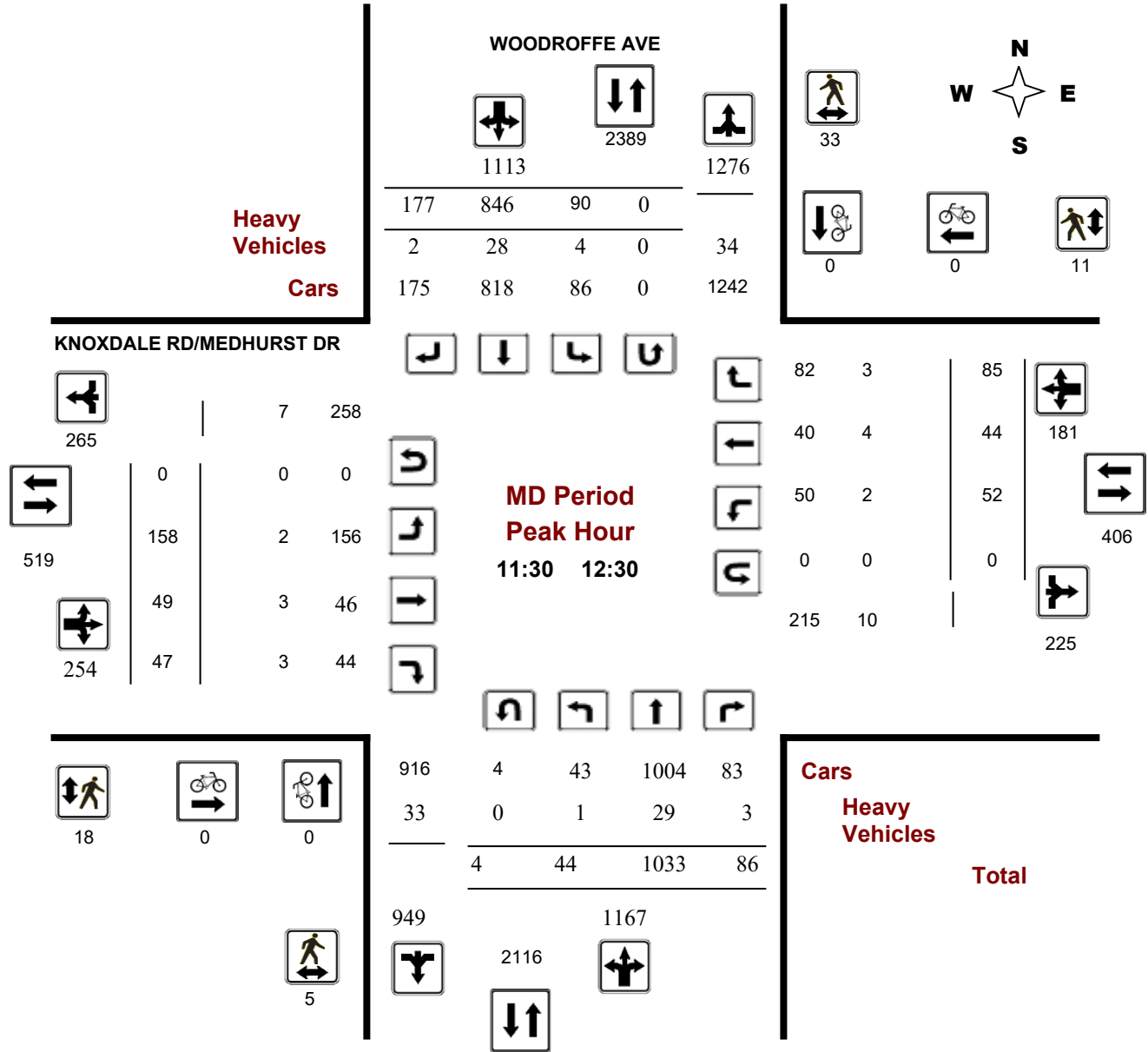
### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**Start Time:** 07:00

**WO No:** 37418

**Device:** Miovision



**Comments**

## Turning Movement Count - Peak Hour Diagram

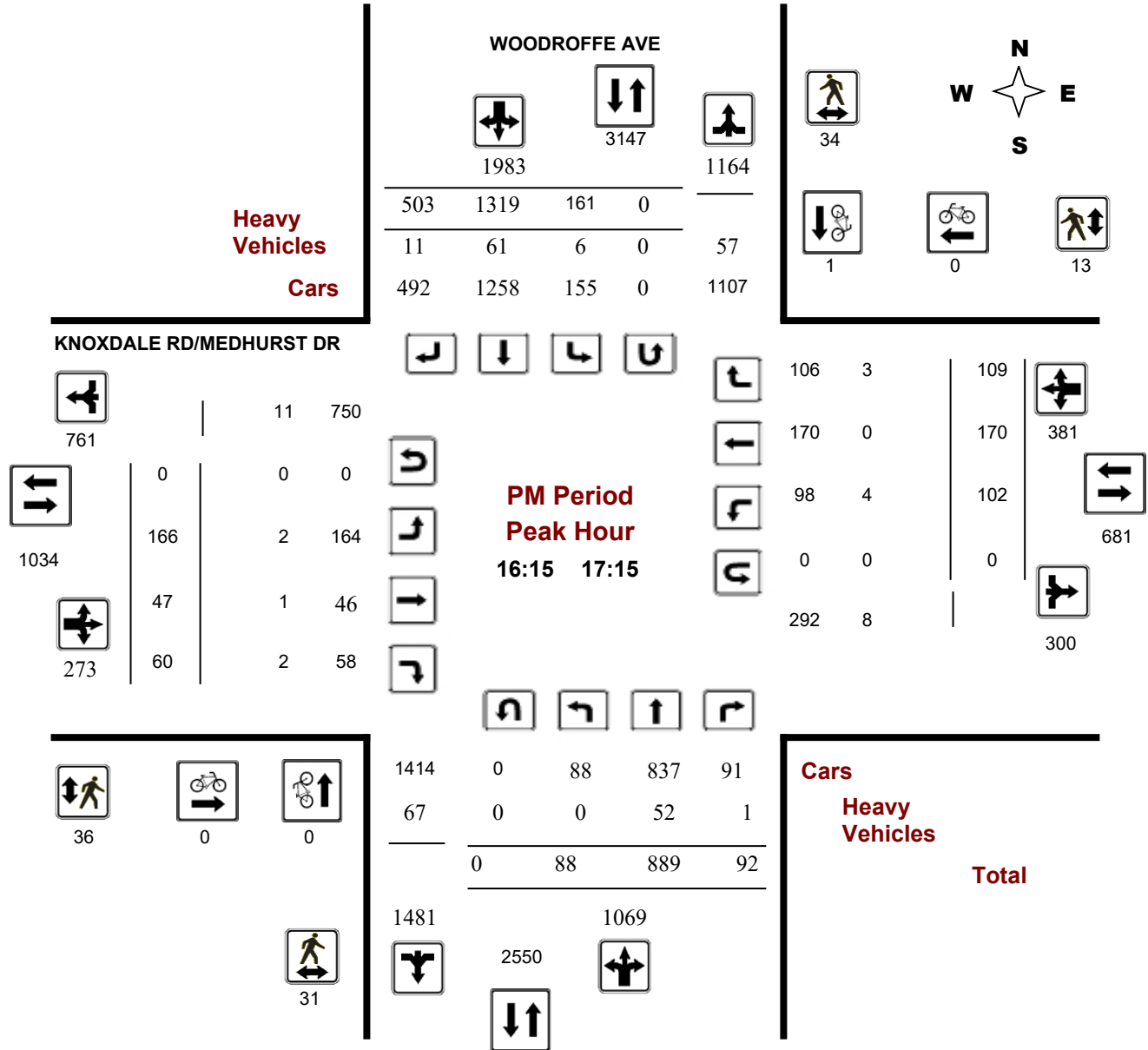
### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**Start Time:** 07:00

**WO No:** 37418

**Device:** Miovision



**Comments**



# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Summary (8 HR Standard)

**Survey Date:** Tuesday, January 16, 2018

**Total Observed U-Turns**

**AADT Factor**

Northbound: 10      Southbound: 2  
Eastbound: 0      Westbound: 0

1.10

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Period	Northbound				Southbound				Eastbound					Westbound			STR TOT	Grand Total	
	LT	ST	RT	NB TOT	LT	ST	RT	SB TOT	STR TOT	LT	ST	RT	EB TOT	LT	ST	RT			WB TOT
07:00 08:00	23	1138	39	1200	49	526	63	638	1838	339	135	88	562	73	35	128	236	798	2636
08:00 09:00	28	1140	63	1231	46	681	126	853	2084	440	226	99	765	100	47	164	311	1076	3160
09:00 10:00	30	1200	50	1280	64	580	98	742	2022	376	81	57	514	69	28	102	199	713	2735
11:30 12:30	44	1033	86	1163	90	846	177	1113	2276	158	49	47	254	52	44	85	181	435	2711
12:30 13:30	49	788	54	891	95	735	155	985	1876	158	41	43	242	65	38	98	201	443	2319
15:00 16:00	68	899	77	1044	135	1294	317	1746	2790	191	50	68	309	76	76	90	242	551	3341
16:00 17:00	85	858	84	1027	147	1302	489	1938	2965	174	50	56	280	96	168	100	364	644	3609
17:00 18:00	81	883	98	1062	161	1184	491	1836	2898	210	65	60	335	89	140	109	338	673	3571
<b>Sub Total</b>	408	7939	551	8898	787	7148	1916	9851	18749	2046	697	518	3261	620	576	876	2072	5333	24082
<b>U Turns</b>	10			10	2			2	12	0			0	0			0	0	12
<b>Total</b>	418	7939	551	8908	789	7148	1916	9853	18761	2046	697	518	3261	620	576	876	2072	5333	24094
<b>EQ 12Hr</b>	581	11035	766	12382	1097	9936	2663	13696	26078	2844	969	720	4533	862	801	1218	2881	7414	33492
Note: These values are calculated by multiplying the totals by the appropriate expansion factor.																<b>1.39</b>			
<b>AVG 12Hr</b>	639	12139	843	13621	1207	10930	2929	15066	28687	3128	1066	792	4986	948	881	1340	3169	8155	36842
Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.																<b>1.10</b>			
<b>AVG 24Hr</b>	837	15902	1104	17843	1581	14318	3837	19736	37579	4098	1396	1038	6532	1242	1154	1755	4151	10683	48262
Note: These volumes are calculated by multiplying the Average Daily 12 hr. totals by 12 to 24 expansion factor.																<b>1.31</b>			

Note: U-Turns provided for approach totals. Refer to 'U-Turn' Report for specific breakdown.



# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study 15 Minute Increments

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Northbound

Southbound

Eastbound

Westbound

Time Period	LT	ST	RT	N TOT	LT	ST	RT	S TOT	STR TOT	LT	ST	RT	E TOT	LT	ST	RT	W TOT	STR TOT	Grand Total
07:00 07:15	4	275	6	285	4	107	15	126	411	60	9	11	80	12	10	31	53	133	544
07:15 07:30	6	302	14	322	15	118	19	152	474	96	19	24	139	14	8	35	57	196	670
07:30 07:45	5	318	12	335	14	135	15	164	499	83	42	17	142	23	7	29	59	201	700
07:45 08:00	8	243	7	258	16	166	14	196	454	100	65	36	201	24	10	33	67	268	722
08:00 08:15	6	284	14	304	9	153	25	187	491	107	59	27	193	24	13	37	74	267	758
08:15 08:30	4	267	13	284	12	186	33	231	515	95	58	25	178	23	16	49	88	266	781
08:30 08:45	5	292	18	315	14	178	30	222	537	131	57	25	213	24	10	41	75	288	825
08:45 09:00	14	297	18	329	11	164	38	213	542	107	52	22	181	29	8	37	74	255	797
09:00 09:15	8	284	12	304	15	143	27	185	489	132	36	17	185	20	7	25	52	237	726
09:15 09:30	9	261	14	284	13	142	21	176	460	100	17	18	135	22	11	33	66	201	661
09:30 09:45	7	333	10	350	22	150	29	201	551	71	10	11	92	16	6	24	46	138	689
09:45 10:00	7	322	14	343	14	145	21	180	523	73	18	11	102	11	4	20	35	137	660
11:30 11:45	6	271	11	288	16	174	30	220	508	37	16	11	64	13	11	30	54	118	626
11:45 12:00	13	247	33	293	23	203	51	277	570	33	8	8	49	8	10	11	29	78	648
12:00 12:15	15	272	24	311	23	236	41	300	611	40	9	17	66	9	13	18	40	106	717
12:15 12:30	14	243	18	275	28	233	55	316	591	48	16	11	75	22	10	26	58	133	724
12:30 12:45	16	205	14	235	26	188	41	255	490	33	11	12	56	14	10	23	47	103	593
12:45 13:00	9	203	14	226	24	173	35	232	458	43	10	14	67	23	11	25	59	126	584
13:00 13:15	10	187	15	212	18	194	41	253	465	47	7	4	58	15	4	28	47	105	570
13:15 13:30	14	193	11	218	28	180	38	246	464	35	13	13	61	13	13	22	48	109	573
15:00 15:15	21	208	23	252	34	277	58	369	621	49	15	16	80	12	19	22	53	133	754
15:15 15:30	25	229	16	270	32	322	74	428	698	44	15	18	77	20	11	20	51	128	826
15:30 15:45	13	214	23	250	35	304	97	436	686	53	10	17	80	31	25	24	80	160	846
15:45 16:00	12	248	15	275	34	391	88	513	788	45	10	17	72	13	21	24	58	130	918
16:00 16:15	19	203	19	241	36	314	122	472	713	58	13	12	83	17	41	24	82	165	878
16:15 16:30	13	229	20	262	31	356	111	498	760	32	6	13	51	31	50	28	109	160	920
16:30 16:45	32	211	20	263	41	314	127	482	745	46	16	12	74	26	43	23	92	166	911
16:45 17:00	21	215	25	261	40	318	129	487	748	38	15	19	72	22	34	25	81	153	901
17:00 17:15	22	234	27	283	49	331	136	516	799	50	10	16	76	23	43	33	99	175	974
17:15 17:30	24	210	29	263	39	295	141	475	738	59	15	13	87	27	40	19	86	173	911
17:30 17:45	15	221	20	256	32	307	109	448	704	50	18	15	83	21	29	24	74	157	861
17:45 18:00	21	218	22	261	41	251	105	397	658	51	22	16	89	18	28	33	79	168	826
<b>Total:</b>	<b>418</b>	<b>7939</b>	<b>551</b>	<b>8908</b>	<b>789</b>	<b>7148</b>	<b>1916</b>	<b>9853</b>	<b>18761</b>	<b>2046</b>	<b>697</b>	<b>518</b>	<b>3261</b>	<b>620</b>	<b>576</b>	<b>876</b>	<b>2072</b>	<b>18761</b>	<b>24,094</b>

Note: U-Turns are included in Totals.



# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Cyclist Volume

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Time Period	Northbound	Southbound	Street Total	Eastbound	Westbound	Street Total	Grand Total
07:00 07:15	0	0	0	0	0	0	0
07:15 07:30	0	0	0	0	0	0	0
07:30 07:45	0	0	0	0	0	0	0
07:45 08:00	0	0	0	0	0	0	0
08:00 08:15	0	0	0	0	0	0	0
08:15 08:30	0	0	0	0	0	0	0
08:30 08:45	0	1	1	0	0	0	1
08:45 09:00	0	0	0	0	0	0	0
09:00 09:15	0	0	0	0	0	0	0
09:15 09:30	0	0	0	1	0	1	1
09:30 09:45	0	0	0	0	0	0	0
09:45 10:00	0	0	0	0	0	0	0
11:30 11:45	0	0	0	0	0	0	0
11:45 12:00	0	0	0	0	0	0	0
12:00 12:15	0	0	0	0	0	0	0
12:15 12:30	0	0	0	0	0	0	0
12:30 12:45	0	0	0	0	0	0	0
12:45 13:00	0	0	0	0	0	0	0
13:00 13:15	0	0	0	0	0	0	0
13:15 13:30	0	0	0	0	0	0	0
15:00 15:15	0	0	0	0	0	0	0
15:15 15:30	0	0	0	0	0	0	0
15:30 15:45	0	0	0	0	0	0	0
15:45 16:00	0	0	0	0	0	0	0
16:00 16:15	0	0	0	0	0	0	0
16:15 16:30	0	1	1	0	0	0	1
16:30 16:45	0	0	0	0	0	0	0
16:45 17:00	0	0	0	0	0	0	0
17:00 17:15	0	0	0	0	0	0	0
17:15 17:30	0	0	0	0	0	0	0
17:30 17:45	0	0	0	0	0	0	0
17:45 18:00	0	0	0	0	0	0	0
Total	0	2	2	1	0	1	3



# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Pedestrian Volume

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Time Period	NB Approach (E or W Crossing)	SB Approach (E or W Crossing)	Total	EB Approach (N or S Crossing)	WB Approach (N or S Crossing)	Total	Grand Total
07:00 07:15	1	3	4	0	4	4	8
07:15 07:30	3	5	8	2	3	5	13
07:30 07:45	4	6	10	4	7	11	21
07:45 08:00	1	3	4	6	2	8	12
08:00 08:15	2	11	13	3	8	11	24
08:15 08:30	0	14	14	1	3	4	18
08:30 08:45	4	3	7	3	6	9	16
08:45 09:00	2	7	9	5	5	10	19
09:00 09:15	3	5	8	5	1	6	14
09:15 09:30	2	7	9	3	4	7	16
09:30 09:45	0	8	8	0	2	2	10
09:45 10:00	0	3	3	2	3	5	8
11:30 11:45	0	7	7	3	0	3	10
11:45 12:00	0	4	4	8	1	9	13
12:00 12:15	1	12	13	2	5	7	20
12:15 12:30	4	10	14	5	5	10	24
12:30 12:45	7	9	16	3	5	8	24
12:45 13:00	1	4	5	6	3	9	14
13:00 13:15	2	3	5	2	3	5	10
13:15 13:30	3	8	11	6	1	7	18
15:00 15:15	5	13	18	7	1	8	26
15:15 15:30	6	10	16	7	5	12	28
15:30 15:45	7	16	23	19	4	23	46
15:45 16:00	10	17	27	16	7	23	50
16:00 16:15	9	10	19	8	7	15	34
16:15 16:30	11	10	21	8	6	14	35
16:30 16:45	5	9	14	3	3	6	20
16:45 17:00	13	10	23	12	2	14	37
17:00 17:15	2	5	7	13	2	15	22
17:15 17:30	3	13	16	6	1	7	23
17:30 17:45	7	4	11	7	5	12	23
17:45 18:00	5	7	12	8	2	10	22
<b>Total</b> .....	123	256	379	183	116	299	678



# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study Heavy Vehicles

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Northbound

Southbound

Eastbound

Westbound

Time Period	Northbound			N TOT	Southbound			S TOT	STR TOT	Eastbound			E TOT	Westbound			W TOT	STR TOT	Grand Total	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT				
07:00 07:15	1	15	1	17	0	8	0	8	25	1	0	0	1	0	0	1	1	2	27	
07:15 07:30	2	15	1	18	3	9	0	12	30	3	0	1	4	1	0	1	2	6	36	
07:30 07:45	0	17	1	18	1	4	0	5	23	2	0	0	2	1	0	2	3	5	28	
07:45 08:00	1	11	0	12	1	15	0	16	28	1	0	0	1	0	0	0	0	1	29	
08:00 08:15	0	23	0	23	1	12	2	15	38	3	0	1	4	0	1	2	3	7	45	
08:15 08:30	1	17	1	19	2	13	0	15	34	1	2	0	3	0	1	2	3	6	40	
08:30 08:45	0	10	1	11	1	11	0	12	23	2	1	0	3	0	1	3	4	7	30	
08:45 09:00	1	16	3	20	1	6	0	7	27	1	0	0	1	1	0	2	3	4	31	
09:00 09:15	0	14	2	16	2	13	0	15	31	1	1	0	2	2	0	0	2	4	35	
09:15 09:30	1	8	1	10	1	7	1	9	19	3	0	0	3	0	2	3	5	8	27	
09:30 09:45	0	9	1	10	1	5	2	8	18	0	0	0	0	0	0	0	0	0	18	
09:45 10:00	2	8	0	10	0	10	0	10	20	0	1	0	1	0	1	2	3	4	24	
11:30 11:45	0	3	0	3	1	6	0	7	10	0	1	0	1	1	1	1	3	4	14	
11:45 12:00	0	5	2	7	1	9	1	11	18	0	0	1	1	0	3	1	4	5	23	
12:00 12:15	0	14	0	14	0	8	0	8	22	1	2	0	3	0	0	0	0	3	25	
12:15 12:30	1	7	1	9	2	5	1	8	17	1	0	2	3	1	0	1	2	5	22	
12:30 12:45	0	5	0	5	0	8	0	8	13	0	0	0	0	1	0	0	1	1	14	
12:45 13:00	1	8	0	9	0	6	1	7	16	0	3	0	3	1	0	2	3	6	22	
13:00 13:15	0	8	0	8	1	6	1	8	16	1	1	1	3	1	0	0	1	4	20	
13:15 13:30	1	8	1	10	1	6	2	9	19	1	0	2	3	1	0	1	2	5	24	
15:00 15:15	1	8	0	9	1	8	1	10	19	0	0	2	2	0	0	1	1	3	22	
15:15 15:30	1	7	0	8	3	6	1	10	18	0	1	2	3	2	0	1	3	6	24	
15:30 15:45	0	6	0	6	1	11	1	13	19	1	0	0	1	0	0	1	1	2	21	
15:45 16:00	0	16	1	17	1	17	3	21	38	1	0	1	2	0	1	2	3	5	43	
16:00 16:15	0	6	1	7	1	12	5	18	25	0	1	0	1	1	0	1	2	3	28	
16:15 16:30	0	21	1	22	3	16	2	21	43	1	1	1	3	4	0	1	5	8	51	
16:30 16:45	0	6	0	6	1	12	4	17	23	0	0	0	0	0	0	1	1	1	24	
16:45 17:00	0	13	0	13	0	21	2	23	36	1	0	1	2	0	0	1	1	3	39	
17:00 17:15	0	12	0	12	2	12	3	17	29	0	0	0	0	0	0	0	0	0	29	
17:15 17:30	0	6	0	6	0	8	4	12	18	0	2	1	3	0	0	0	0	3	21	
17:30 17:45	0	9	0	9	2	17	2	21	30	0	1	0	1	0	0	1	1	2	32	
17:45 18:00	0	7	0	7	1	11	1	13	20	0	0	1	1	1	0	0	1	2	22	
<b>Total:</b>	None	14	338	19	371	36	318	40	394	765	26	18	17	61	19	11	34	64	125	890





# Transportation Services - Traffic Services

## Turning Movement Count - Study Results

### WOODROFFE AVE @ KNOXDALE RD/MEDHURST DR

**Survey Date:** Tuesday, January 16, 2018

**WO No:** 37418

**Start Time:** 07:00

**Device:** Miovision

### Full Study 15 Minute U-Turn Total

#### WOODROFFE AVE

#### KNOXDALE RD/MEDHURST DR

Time Period		Northbound U-Turn Total	Southbound U-Turn Total	Eastbound U-Turn Total	Westbound U-Turn Total	Total
07:00	07:15	0	0	0	0	0
07:15	07:30	0	0	0	0	0
07:30	07:45	0	0	0	0	0
07:45	08:00	0	0	0	0	0
08:00	08:15	1	0	0	0	1
08:15	08:30	0	0	0	0	0
08:30	08:45	0	0	0	0	0
08:45	09:00	0	0	0	0	0
09:00	09:15	0	0	0	0	0
09:15	09:30	1	0	0	0	1
09:30	09:45	0	0	0	0	0
09:45	10:00	0	0	0	0	0
11:30	11:45	0	0	0	0	0
11:45	12:00	1	0	0	0	1
12:00	12:15	1	0	0	0	1
12:15	12:30	2	0	0	0	2
12:30	12:45	0	0	0	0	0
12:45	13:00	0	0	0	0	0
13:00	13:15	0	1	0	0	1
13:15	13:30	0	0	0	0	0
15:00	15:15	0	0	0	0	0
15:15	15:30	1	0	0	0	1
15:30	15:45	1	0	0	0	1
15:45	16:00	1	0	0	0	1
16:00	16:15	0	1	0	0	1
16:15	16:30	0	0	0	0	0
16:30	16:45	0	0	0	0	0
16:45	17:00	0	0	0	0	0
17:00	17:15	0	0	0	0	0
17:15	17:30	0	0	0	0	0
17:30	17:45	0	0	0	0	0
17:45	18:00	1	0	0	0	1
Total		10	2	0	0	12

STAMSON 5.0 NORMAL REPORT Date: 20-04-2021 14: 38: 30  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: Time Period: 1 hours  
 Description: R1 22:00 to 23:00 Lowest Daytime for Worst Case

Road data, segment # 1: Woodroffe

Car traffic volume : 1185 veh/TimePeriod  
 Medium truck volume : 31 veh/TimePeriod  
 Heavy truck volume : 31 veh/TimePeriod  
 Posted speed limit : 80 km/h  
 Road gradient : 0 %  
 Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: Woodroffe

Angle1 Angle2 : -90.00 deg 5.00 deg  
 Wood depth : 0 (No woods.)  
 No of house rows : 0  
 Surface : 1 (Absorptive ground surface)  
 Receiver source distance : 22.20 m  
 Receiver height : 4.50 m  
 Topography : 1 (Flat/gentle slope; no barrier)  
 Reference angle : 0.00

Results segment # 1: Woodroffe

Source height = 1.26 m

ROAD (0.00 + 65.27 + 0.00) = 65.27 dBA

Angle1	Angle2	Alpha	RefLeq	P. Adj	D. Adj	F. Adj	W. Adj	H. Adj	B. Adj	SubLeq
-90	5	0.58	71.97	0.00	-2.69	-4.01	0.00	0.00	0.00	65.27

Segment Leq : 65.27 dBA

Total Leq All Segments: 65.27 dBA

TOTAL Leq FROM ALL SOURCES: 65.27



STAMSON 5.0                  NORMAL REPORT                  Date: 20-04-2021 19:46:26  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename:                                  Time Period: 1 hours  
 Description:                              R1 3:00 to 4:00 Lowest Nighttime for Worst Case

Road data, segment # 1: Woodroffe

-----  
 Car traffic volume : 102 veh/TimePeriod  
 Medium truck volume : 2 veh/TimePeriod  
 Heavy truck volume : 2 veh/TimePeriod  
 Posted speed limit : 80 km/h  
 Road gradient : 0 %  
 Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: Woodroffe

-----  
 Angle1 Angle2 : -90.00 deg 5.00 deg  
 Wood depth : 0 (No woods.)  
 No of house rows : 0  
 Surface : 1 (Absorptive ground surface)  
 Receiver source distance : 22.20 m  
 Receiver height : 4.50 m  
 Topography : 1 (Flat/gentle slope; no barrier)  
 Reference angle : 0.00

Results segment # 1: Woodroffe

-----  
 Source height = 1.17 m

ROAD (0.00 + 53.98 + 0.00) = 53.98 dBA  

Angle1	Angle2	Alpha	RefLeq	P. Adj	D. Adj	F. Adj	W. Adj	H. Adj	B. Adj	SubLeq
-90	5	0.58	60.68	0.00	-2.69	-4.02	0.00	0.00	0.00	53.98

 -----

Segment Leq : 53.98 dBA

Total Leq All Segments: 53.98 dBA

TOTAL Leq FROM ALL SOURCES: 53.98

STAMSON 5.0          NORMAL REPORT          Date: 20-04-2021 15:46:22  
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename:    Time Period: 1 hours  
Description: R5 22:00 to 23:00 Lowest Daytime for Worst Case

Road data, segment # 1: Woodroffe S

-----  
Car traffic volume : 1185 veh/TimePeriod  
Medium truck volume : 31 veh/TimePeriod  
Heavy truck volume : 31 veh/TimePeriod  
Posted speed limit : 80 km/h  
Road gradient : 0 %  
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: Woodroffe S

-----  
Angle1    Angle2                                  : -40.00 deg    7.00 deg  
Wood depth    :        0                                  (No woods.)  
No of house rows    :        0  
Surface    :        1                                  (Absorptive ground surface)  
Receiver source distance : 93.10 m  
Receiver height    :        4.50 m  
Topography    :        1                                  (Flat/gentle slope; no barrier)  
Reference angle    :        0.00

Road data, segment # 2: Woodroffe N

-----  
Car traffic volume : 1185 veh/TimePeriod  
Medium truck volume : 31 veh/TimePeriod  
Heavy truck volume : 31 veh/TimePeriod  
Posted speed limit : 80 km/h  
Road gradient : 0 %  
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 2: Woodroffe N

-----  
Angle1    Angle2    : 20.00 deg    26.00 deg  
Wood depth    :        0                                  (No woods.)  
No of house rows    :        0  
Surface    :        1                                  (Absorptive ground surface)  
Receiver source distance : 93.10 m  
Receiver height    :        4.50 m  
Topography    :        1                                  (Flat/gentle slope; no barrier)  
Reference angle    :        0.00

Road data, segment # 3: Medhurst

---

```

-----
Car traffic volume : 186 veh/TimePeriod
Medium truck volume : 4 veh/TimePeriod
Heavy truck volume : 4 veh/TimePeriod
Posted speed limit : 80 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)
    
```

Data for Segment # 3: Medhurst

```

-----
Angle1 Angle2 : 6.00 deg 19.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 112.90 m
Receiver height : 4.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00
    
```

Results segment # 1: Woodroffe S

```
-----
```

Source height = 1.26 m

ROAD (0.00 + 53.45 + 0.00) = 53.45 dBA

Angle1	Angle2	Alpha	RefLeq	P. Adj	D. Adj	F. Adj	W. Adj	H. Adj	B. Adj	SubLeq
-40	7	0.58	71.97	0.00	-12.51	-6.01	0.00	0.00	0.00	53.45

Segment Leq : 53.45 dBA

Results segment # 2: Woodroffe N

```
-----
```

Source height = 1.26 m

ROAD (0.00 + 44.48 + 0.00) = 44.48 dBA

Angle1	Angle2	Alpha	RefLeq	P. Adj	D. Adj	F. Adj	W. Adj	H. Adj	B. Adj	SubLeq
20	26	0.58	71.97	0.00	-12.51	-14.98	0.00	0.00	0.00	44.48

Segment Leq : 44.48 dBA

Results segment # 3: Medhurst

```
-----
```

Source height = 1.20 m

ROAD (0.00 + 38.16 + 0.00) = 38.16 dBA

Angle1	Angle2	Alpha	RefLeq	P. Adj	D. Adj	F. Adj	W. Adj	H. Adj	B. Adj	SubLeq
6	19	0.58	63.48	0.00	-13.84	-11.48	0.00	0.00	0.00	38.16

Segment Leq : 38.16 dBA

Total Leq All Segments: 54.08 dBA

TOTAL Leq FROM ALL SOURCES: 54.08

---

**Appendix B**  
Stationary Noise Sample Calculations

---



## Noise Source Summary Table

Source ID	Source Description	Sound Power Level (dBA)	Source Location <sup>1</sup>	Sound Characteristic	Noise Control Measures
S01	Rooftop Unit 1 (Store)	80	O	S	U
S02	Rooftop Unit 2 (Store)	87	O	S	U
S03	Rooftop Unit (Carwash)	80	O	S	U
S04	Rooftop Compressor	77	O	S	U
S05	Rooftop Condenser 1	82	O	S	U
S06	Rooftop Condenser 2	74	O	S	U
S07	Car Idling - Carwash Queue	67	O	S	U
S08	Car Idling - Carwash Queue	67	O	S	U
S09	Car Idling - Carwash Queue	67	O	S	U
S10	Car Idling - Carwash Queue	67	O	S	U
S11	Car Idling - Carwash Queue	67	O	S	U
S12	Car Idling - Carwash Queue	67	O	S	U
S13	Car Idling - Carwash Queue	67	O	S	U
S14	Car Idling - Carwash Queue	67	O	S	U
S15	Car Idling - Carwash Queue	67	O	S	U
S16	Car Idling - Carwash Queue	67	O	S	U
S17	Car Idling - Carwash Queue	67	O	S	U
S18	Car Idling - Carwash Queue	67	O	S	U
S19	Car Idling - Carwash Queue	67	O	S	U
S20	Car Idling - Drive Thru Queue	67	O	S	U
S21	Car Idling - Drive Thru Queue	67	O	S	U
S22	Car Idling - Drive Thru Queue	67	O	S	U
S23	Car Idling - Drive Thru Queue	67	O	S	U
S24	Car Idling - Drive Thru Queue	67	O	S	U
S25	Car Idling - Drive Thru Queue	67	O	S	U
S26	Car Idling - Drive Thru Queue	67	O	S	U
S27	Car Idling - Drive Thru Queue	67	O	S	U
S28	Car Idling - Drive Thru Queue	67	O	S	U
S29	Car Idling - Drive Thru Queue	67	O	S	U
S30	Car Idling - Drive Thru Queue	67	O	S	U
S31	Car Idling - Drive Thru Queue	67	O	S	U
S32	Car Idling - Drive Thru Queue	67	O	S	U
S33	Car Idling - Drive Thru Queue	67	O	S	U
S34	Drive Thru Speaker (Day)	72	O	S	U
S35	Drive Thru Speaker (Day)	72	O	S	U
S36	Vacuum (Day)	94	O	S	U
S37	Vacuum (Day)	94	O	S	U
S38	Air Pump	74	O	S	U
S39	Car Travel	84	O	S	U
S40	Carwash Entrance	91	O	S	U
S41	Carwash Exit	99	O	S	U

\*Includes attenuation due to silencing and/or penalty adjustment.

1. O: located/installed outside the building, including on the roof, I: located/installed inside the building

2. S: Steady; Q: Quasi Steady Impulsive; I: Impulsive; B: Buzzing; T: Tonal; C: Cyclic

3. S: Silencer, Acoustic Louvre, Muffler; A: Acoustics lining, Plenum; B: Barrier, Berm, Screening;

E: Acoustic Enclosure; O: Other; U: Uncontrolled R: Removed from Service

Receiver: R01  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	60

Receiver Name	Receiver ID	X	Y	Z
R01	R01	441049.02 m	5020472.14 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	42.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	34
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	40.6	0.0	-3.0	7.7	0.3	0.0	0.0	0.0	0.0	0.0	22
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	40.7	0.0	-3.0	9.7	0.3	0.0	0.0	0.0	0.0	0.0	19
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	42.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	42.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	42.9	0.0	-3.0	9.2	0.3	0.0	0.0	0.0	0.0	0.0	18
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	40.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	43.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	44.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	45.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	45.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	44.7	0.0	-3.0	9.6	0.4	0.0	0.0	0.0	0.0	0.0	15
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	45.7	0.0	-3.0	4.6	0.4	0.0	0.0	0.0	0.0	0.0	19
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	46.3	0.0	-3.0	8.2	0.5	0.0	0.0	0.0	0.0	0.0	15
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	46.5	0.0	-3.0	4.2	0.5	0.0	0.0	0.0	0.0	0.0	19
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	47.3	0.0	-3.0	6.3	0.5	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441090.5	5020418.6	0.0	0	62	12.6	A	47.6	0.0	-3.0	13.8	0.4	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441100.4	5020395.1	0.0	0	62	15.2	A	50.3	0.0	-3.0	11.2	0.5	0.0	0.0	0.0	0.0	0.0	18
S39	Car Travel	441113.0	5020364.9	0.0	0	62	15.2	A	52.9	0.0	-3.0	9.2	0.6	0.0	0.0	0.0	0.0	0.0	17
S39	Car Travel	441075.3	5020405.8	0.0	0	62	12.1	A	48.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	29
S39	Car Travel	441074.0	5020417.6	0.0	0	62	8.9	A	46.6	0.0	-3.0	5.1	0.3	0.0	0.0	0.0	0.0	0.0	22
S39	Car Travel	441078.3	5020423.4	0.0	0	62	10.1	A	46.1	0.0	-3.0	11.8	0.3	0.0	0.0	0.0	0.0	0.0	17
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	49.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	40.1	3.0	-3.0	16.5	0.2	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	40.2	3.0	-3.0	16.5	0.2	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	40.1	3.0	-3.0	16.4	0.2	0.0	0.0	0.0	0.0	0.0	29
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	38.3	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	55
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	38.4	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	55
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	38.4	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	55
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	46.8	0.0	-3.0	6.6	0.3	0.0	0.0	0.0	0.0	0.0	21
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	46.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	50.3	0.0	-3.0	15.6	0.9	0.0	0.0	0.0	0.0	0.0	18
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	38.5	0.0	-3.0	7.9	0.2	0.0	0.0	0.0	0.0	0.0	36
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	49.7	0.0	-3.0	14.7	0.6	0.0	0.0	0.0	0.0	0.0	18
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	51.7	0.0	-3.0	14.3	0.6	0.0	0.0	0.0	0.0	0.0	23
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	42.6	0.0	-3.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	50
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	42.7	0.0	-3.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	50

Receiver: R02  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	53

Receiver Name	Receiver ID	X	Y	Z
R02	R02	441078.28 m	5020479.82 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	44.7	0.0	-3.0	13.9	0.5	0.0	0.0	0.0	0.0	0.0	18
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	35.0	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	35
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	36.5	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	36.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	37.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	32
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	39.2	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	39.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	39.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	39.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	40.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	40.6	0.0	-3.0	4.6	0.3	0.0	0.0	0.0	0.0	0.0	25
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S32	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	47.3	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	41.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	41.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	42.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	42.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	42.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	43.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S17	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	43.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	44.3	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	44.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	45.8	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	46.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S39	Car Travel	441091.1	5020417.4	0.0	0	62	13.2	A	47.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	31
S39	Car Travel	441099.1	5020398.0	0.0	0	62	13.2	A	49.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441111.3	5020369.1	0.0	0	62	16.2	A	52.3	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	48.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	31
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	45.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441062.0	5020391.9	0.0	0	62	9.3	A	50.0	0.0	-3.0	5.6	0.5	0.0	0.0	0.0	0.0	0.0	18
S39	Car Travel	441071.0	5020395.7	0.0	0	62	10.4	A	49.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	38.2	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	47
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	38.2	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	47
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	38.3	3.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	47
S41	Carwash Exit	441057.8	5020452.1	2.5	0	88	0.8	A	41.8	3.0	-3.0	18.2	0.3	0.0	0.0	0.0	0.0	0.0	28
S41	Carwash Exit	441058.5	5020450.3	2.5	0	88	4.3	A	42.0	3.0	-3.0	19.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S41	Carwash Exit	441057.8	5020452.1	1.5	0	88	0.8	A	41.8	3.0	-3.0	18.3	0.3	0.0	0.0	0.0	0.0	0.0	28
S41	Carwash Exit	441058.5	5020450.3	1.5	0	88	4.3	A	42.0	3.0	-3.0	19.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S41	Carwash Exit	441057.8	5020452.1	0.5	0	88	0.8	A	41.8	3.0	-3.0	18.3	0.3	0.0	0.0	0.0	0.0	0.0	28
S41	Carwash Exit	441058.5	5020450.3	0.5	0	88	4.3	A	42.1	3.0	-3.0	19.1	0.3	0.0	0.0	0.0	0.0	0.0	30
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	43.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	43.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31

Receiver: R02  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	53

Receiver Name	Receiver ID	X	Y	Z
R02	R02	441078.28 m	5020479.82 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	50.5	0.0	-3.0	6.1	0.7	0.0	0.0	0.0	0.0	0.0	23
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	49.4	0.0	-3.0	6.0	0.8	0.0	0.0	0.0	0.0	0.0	29
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	50.0	0.0	-3.0	5.8	0.7	0.0	0.0	0.0	0.0	0.0	21
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	39.8	0.0	-3.0	7.7	0.2	0.0	0.0	0.0	0.0	0.0	35
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	48.6	0.0	-3.0	5.3	0.5	0.0	0.0	0.0	0.0	0.0	29
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	50.9	0.0	-3.0	5.1	0.6	0.0	0.0	0.0	0.0	0.0	33
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	44.6	0.0	-3.0	19.3	1.4	0.0	0.0	0.0	0.0	0.0	29
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	44.9	0.0	-3.0	19.6	1.4	0.0	0.0	0.0	0.0	0.0	28

Receiver: R03  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R03	R03	441093.53 m	5020484.47 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	46.6	0.0	-3.0	7.8	0.5	0.0	0.0	0.0	0.0	0.0	22
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	34.5	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	36
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	36.3	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	37.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	38.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	39.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	40.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	40.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	41.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	42.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	43.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	44.1	0.0	-3.0	9.8	0.4	0.0	0.0	0.0	0.0	0.0	16
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S32	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	47.4	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	41.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	42.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	42.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	42.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	42.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S17	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	42.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	43.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	43.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	44.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	45.3	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	46.3	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	47.0	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S39	Car Travel	441090.7	5020418.2	0.0	0	62	12.8	A	47.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441098.1	5020400.6	0.0	0	62	12.8	A	49.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441110.9	5020370.1	0.0	0	62	16.4	A	52.3	0.0	-3.0	11.0	0.6	0.0	0.0	0.0	0.0	0.0	18
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	48.8	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	46.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	50.5	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	27
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	41.5	3.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	44
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	41.6	3.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	43
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	41.6	3.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	43
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	44.8	3.0	-3.0	19.4	0.4	0.0	0.0	0.0	0.0	0.0	29
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	44.8	3.0	-3.0	19.3	0.4	0.0	0.0	0.0	0.0	0.0	29
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	44.8	3.0	-3.0	19.3	0.4	0.0	0.0	0.0	0.0	0.0	29
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	42.5	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	32
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	43.2	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	50.5	0.0	-3.0	6.1	0.7	0.0	0.0	0.0	0.0	0.0	23
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	49.3	0.0	-3.0	6.0	0.8	0.0	0.0	0.0	0.0	0.0	29
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	49.9	0.0	-3.0	5.8	0.7	0.0	0.0	0.0	0.0	0.0	21

Receiver: R03  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R03	R03	441093.53 m	5020484.47 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	43.1	0.0	-3.0	6.6	0.3	0.0	0.0	0.0	0.0	0.0	33
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	48.5	0.0	-3.0	5.3	0.5	0.0	0.0	0.0	0.0	0.0	29
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	50.9	0.0	-3.0	5.1	0.6	0.0	0.0	0.0	0.0	0.0	33
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	46.4	0.0	-3.0	10.7	1.6	0.0	0.0	0.0	0.0	0.0	35
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	46.7	0.0	-3.0	13.0	1.7	0.0	0.0	0.0	0.0	0.0	33

Receiver: R04  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R04	R04	441122.99 m	5020480.06 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	48.9	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	27
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	40.3	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	40.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	41.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	42.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	43.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	43.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	44.4	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	45.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	45.4	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	46.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	48.0	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	48.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	46.8	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S40	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	47.4	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	42.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	42.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	42.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	43.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	43.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	43.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	44.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	44.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	44.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	45.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	45.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	46.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S39	Car Travel	441091.4	5020416.5	0.0	0	62	13.6	A	48.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	49.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	29
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	48.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	51.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	26
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	45.7	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	45.7	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	45.7	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S41	Carwash Exit	441058.2	5020451.0	0.5	0	88	5.5	A	48.0	3.0	-3.0	20.8	0.5	0.0	0.0	0.0	0.0	0.0	24
S41	Carwash Exit	441058.2	5020451.0	2.5	0	88	5.5	A	48.0	3.0	-3.0	20.7	0.5	0.0	0.0	0.0	0.0	0.0	24
S41	Carwash Exit	441058.2	5020451.0	1.5	0	88	5.5	A	48.0	3.0	-3.0	20.7	0.5	0.0	0.0	0.0	0.0	0.0	24
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	41.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	42.9	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	32
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	48.7	0.0	-3.0	14.3	0.8	0.0	0.0	0.0	0.0	0.0	21
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	46.9	0.0	-3.0	5.8	0.4	0.0	0.0	0.0	0.0	0.0	30
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	47.9	0.0	-3.0	5.4	0.5	0.0	0.0	0.0	0.0	0.0	29

Receiver: R04  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R04	R04	441122.99 m	5020480.06 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr	
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	50.2	0.0	-3.0	14.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	24
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	48.7	0.0	-3.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	43
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	49.0	0.0	-3.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	43



Receiver: R05  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R05	R05	441126.33 m	5020464.08 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	48.3	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	28
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	40.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	40.5	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	29
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	41.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	42.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	42.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	43.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	43.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	44.8	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	45.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	45.7	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	46.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	47.6	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	44.7	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S22	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	45.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	39.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	39.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	40.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	40.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	41.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	41.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	42.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	42.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	42.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	43.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	43.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	43.8	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S39	Car Travel	441091.0	5020417.5	0.0	0	62	13.1	A	46.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	32
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	48.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	46.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	50.3	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	27
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	45.5	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	45.6	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	45.5	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	39
S41	Carwash Exit	441057.9	5020451.8	0.5	0	88	2.7	A	47.9	3.0	-3.0	18.8	0.5	0.0	0.0	0.0	0.0	0.0	23
S41	Carwash Exit	441058.6	5020450.0	0.5	0	88	3.0	A	47.8	3.0	-3.0	17.1	0.5	0.0	0.0	0.0	0.0	0.0	25
S41	Carwash Exit	441057.9	5020451.8	2.5	0	88	2.7	A	47.8	3.0	-3.0	18.7	0.5	0.0	0.0	0.0	0.0	0.0	23
S41	Carwash Exit	441058.6	5020450.0	2.5	0	88	3.0	A	47.8	3.0	-3.0	17.0	0.5	0.0	0.0	0.0	0.0	0.0	25
S41	Carwash Exit	441057.9	5020451.8	1.5	0	88	2.7	A	47.9	3.0	-3.0	18.8	0.5	0.0	0.0	0.0	0.0	0.0	23
S41	Carwash Exit	441058.6	5020450.0	1.5	0	88	3.0	A	47.8	3.0	-3.0	17.1	0.5	0.0	0.0	0.0	0.0	0.0	25
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	38.8	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	36
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	40.3	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34

Receiver: R05  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R05	R05	441126.33 m	5020464.08 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	48.1	0.0	-3.0	7.2	0.5	0.0	0.0	0.0	0.0	0.0	25
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	46.8	0.0	-3.0	6.7	0.7	0.0	0.0	0.0	0.0	0.0	31
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	47.3	0.0	-3.0	6.9	0.6	0.0	0.0	0.0	0.0	0.0	22
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	46.8	0.0	-3.0	5.8	0.4	0.0	0.0	0.0	0.0	0.0	30
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	45.9	0.0	-3.0	5.7	0.4	0.0	0.0	0.0	0.0	0.0	31
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	48.5	0.0	-3.0	5.2	0.5	0.0	0.0	0.0	0.0	0.0	35
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	48.2	0.0	-3.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	44
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	48.5	0.0	-3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	44

Receiver: R06  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R06	R06	441131.78 m	5020450.60 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	48.5	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	28
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	42.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	42.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	43.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	43.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	26
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	44.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	44.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	44.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	45.5	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	46.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	46.3	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	48.0	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	48.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	43.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S09	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	44.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	39.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	39.2	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	39.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	40.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	40.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	41.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	41.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	41.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	42.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	43.2	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	43.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	44.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S39	Car Travel	441090.5	5020418.7	0.0	0	62	12.6	A	45.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	32
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	46.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	47.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	31
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	49.7	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	46.4	3.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	38
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	46.4	3.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	38
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	46.4	3.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	38
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	48.3	3.0	-3.0	17.4	0.5	0.0	0.0	0.0	0.0	0.0	27
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	48.3	3.0	-3.0	17.4	0.5	0.0	0.0	0.0	0.0	0.0	27
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	48.3	3.0	-3.0	17.2	0.5	0.0	0.0	0.0	0.0	0.0	27
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	39.0	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	35
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	40.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	46.5	0.0	-3.0	7.8	0.5	0.0	0.0	0.0	0.0	0.0	26
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	45.1	0.0	-3.0	7.2	0.6	0.0	0.0	0.0	0.0	0.0	32
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	45.5	0.0	-3.0	7.4	0.5	0.0	0.0	0.0	0.0	0.0	24

Receiver: R06  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R06	R06	441131.78 m	5020450.60 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	47.4	0.0	-3.0	5.7	0.5	0.0	0.0	0.0	0.0	0.0	29
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	44.1	0.0	-3.0	6.0	0.3	0.0	0.0	0.0	0.0	0.0	33
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	46.9	0.0	-3.0	5.5	0.4	0.0	0.0	0.0	0.0	0.0	37
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	48.3	0.0	-3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	44
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	48.6	0.0	-3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	44

Receiver: R07  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R07	R07	441144.18 m	5020418.98 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	49.8	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	26
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	46.8	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	47.4	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	47.9	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	48.1	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	48.5	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	48.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	48.9	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	49.2	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	49.8	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	50.2	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	42.9	0.0	-3.0	7.1	0.3	0.0	0.0	0.0	0.0	0.0	20
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	41.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	41.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	42.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	43.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	44.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	45.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	45.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	45.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	46.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	46.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	46.8	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	47.2	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S39	Car Travel	441087.8	5020425.0	0.0	0	62	6.3	A	46.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	25
S39	Car Travel	441092.2	5020414.6	0.0	0	62	12.6	A	45.4	0.0	-3.0	15.7	0.3	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441113.5	5020363.7	0.0	0	62	12.6	A	47.0	0.0	-3.0	14.0	0.3	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441118.2	5020352.5	0.0	0	62	7.7	A	48.1	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	47.9	0.0	-3.0	14.9	0.4	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441075.7	5020422.3	0.0	0	62	6.5	A	47.7	0.0	-3.0	5.5	0.4	0.0	0.0	0.0	0.0	0.0	18
S39	Car Travel	441078.5	5020423.4	0.0	0	62	1.8	A	47.4	0.0	-3.0	3.9	0.3	0.0	0.0	0.0	0.0	0.0	15
S39	Car Travel	441083.1	5020425.4	0.0	0	62	9.3	A	46.8	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	49.1	3.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	36
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	49.1	3.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	36
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	49.1	3.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	36
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	50.2	3.0	-3.0	15.2	0.6	0.0	0.0	0.0	0.0	0.0	27
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	50.2	3.0	-3.0	15.2	0.6	0.0	0.0	0.0	0.0	0.0	27
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	50.2	3.0	-3.0	15.1	0.6	0.0	0.0	0.0	0.0	0.0	27
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	44.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	44.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	30
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	42.7	0.0	-3.0	9.1	0.3	0.0	0.0	0.0	0.0	0.0	28
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	42.1	0.0	-3.0	8.0	0.4	0.0	0.0	0.0	0.0	0.0	34

Receiver: R07  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R07	R07	441144.18 m	5020418.98 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	41.7	0.0	-3.0	8.6	0.3	0.0	0.0	0.0	0.0	0.0	27
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	49.8	0.0	-3.0	5.4	0.6	0.0	0.0	0.0	0.0	0.0	27
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	41.8	0.0	-3.0	6.4	0.3	0.0	0.0	0.0	0.0	0.0	35
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	42.9	0.0	-3.0	6.2	0.2	0.0	0.0	0.0	0.0	0.0	40
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	49.7	0.0	-3.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	42
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	49.9	0.0	-3.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	42

Receiver: R08  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R08	R08	441161.76 m	5020392.62 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	50.3	0.0	-3.0	3.7	0.7	0.0	0.0	0.0	0.0	0.0	16
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	50.7	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	50.9	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	51.2	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	51.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	51.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	51.7	0.0	-3.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	51.7	0.0	-3.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	46.5	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	46.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	47.5	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	48.5	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	49.2	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	49.2	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	49.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	49.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	50.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	50.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	50.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S39	Car Travel	441114.4	5020361.6	0.0	0	62	14.1	A	46.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	33
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	51.8	3.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	33
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	51.8	3.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	33
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	51.8	3.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	33
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	48.9	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	49.0	0.0	-3.0	3.8	0.4	0.0	0.0	0.0	0.0	0.0	21
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	44.3	0.0	-3.0	8.7	0.4	0.0	0.0	0.0	0.0	0.0	27
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	45.2	0.0	-3.0	7.2	0.6	0.0	0.0	0.0	0.0	0.0	32
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	44.3	0.0	-3.0	7.9	0.4	0.0	0.0	0.0	0.0	0.0	24
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	52.2	0.0	-3.0	5.2	0.8	0.0	0.0	0.0	0.0	0.0	25
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	45.8	0.0	-3.0	5.7	0.4	0.0	0.0	0.0	0.0	0.0	31
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	43.7	0.0	-3.0	6.0	0.3	0.0	0.0	0.0	0.0	0.0	40
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	51.9	0.0	-3.0	15.1	2.8	0.0	0.0	0.0	0.0	0.0	24
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	52.0	0.0	-3.0	15.4	2.8	0.0	0.0	0.0	0.0	0.0	24

Receiver: R09  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R09	R09	441150.64 m	5020381.43 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	50.5	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	50.7	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	50.8	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	50.9	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	51.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	51.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	51.6	0.0	-3.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	51.6	0.0	-3.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	46.3	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	46.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	47.6	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	48.6	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	49.2	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	49.3	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	49.7	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	49.8	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	50.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	50.3	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S39	Car Travel	441111.5	5020368.6	0.0	0	62	11.3	A	43.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S39	Car Travel	441116.8	5020356.1	0.0	0	62	11.3	A	43.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	51.7	3.0	-3.0	4.7	0.7	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	51.7	3.0	-3.0	4.5	0.7	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	51.7	3.0	-3.0	4.2	0.7	0.0	0.0	0.0	0.0	0.0	29
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	52.3	3.0	-3.0	23.5	0.7	0.0	0.0	0.0	0.0	0.0	17
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	52.3	3.0	-3.0	23.4	0.7	0.0	0.0	0.0	0.0	0.0	17
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	52.3	3.0	-3.0	23.3	0.7	0.0	0.0	0.0	0.0	0.0	17
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	49.0	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	49.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	25
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	42.3	0.0	-3.0	9.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	44.1	0.0	-3.0	7.4	0.5	0.0	0.0	0.0	0.0	0.0	33
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	42.8	0.0	-3.0	8.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	52.0	0.0	-3.0	6.9	0.8	0.0	0.0	0.0	0.0	0.0	23
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	45.0	0.0	-3.0	5.9	0.4	0.0	0.0	0.0	0.0	0.0	32
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	41.4	0.0	-3.0	6.6	0.2	0.0	0.0	0.0	0.0	0.0	42
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	51.5	0.0	-3.0	16.8	2.7	0.0	0.0	0.0	0.0	0.0	23
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	51.6	0.0	-3.0	16.6	2.7	0.0	0.0	0.0	0.0	0.0	23



Receiver: R10  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	54

Receiver Name	Receiver ID	X	Y	Z
R10	R10	441008.15 m	5020416.98 m	4.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	45.7	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	31
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	46.6	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	47.5	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	22
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	48.4	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	45.7	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	49.0	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	21
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	49.6	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	50.2	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	50.9	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	51.2	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S32	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	50.3	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	50.7	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	49.5	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	49.5	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	50.0	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	50.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	50.7	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	50.7	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	51.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	51.1	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	51.3	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	51.3	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	51.4	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	51.5	0.0	-3.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	18
S39	Car Travel	441095.1	5020407.7	0.0	0	62	16.2	A	49.8	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	31
S39	Car Travel	441111.3	5020369.1	0.0	0	62	16.2	A	52.1	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	29
S39	Car Travel	441062.9	5020392.3	0.0	0	62	10.2	A	46.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441071.9	5020396.0	0.0	0	62	9.6	A	47.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	27
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	47.6	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	31
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	48.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	28
S40	Carwash Entrance	441073.2	5020458.2	2.5	0	80	3.9	A	48.7	3.0	-3.0	18.5	0.6	0.0	0.0	0.0	0.0	0.0	16
S40	Carwash Entrance	441073.2	5020458.2	0.5	0	80	3.9	A	48.7	3.0	-3.0	18.6	0.6	0.0	0.0	0.0	0.0	0.0	15
S40	Carwash Entrance	441073.2	5020458.2	1.5	0	80	3.9	A	48.7	3.0	-3.0	18.6	0.6	0.0	0.0	0.0	0.0	0.0	15
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	46.6	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	46
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	46.7	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	46
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	46.6	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	46
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	51.0	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	51.3	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	23
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	51.8	0.0	-3.0	7.4	0.8	0.0	0.0	0.0	0.0	0.0	20
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	51.4	0.0	-3.0	6.2	1.0	0.0	0.0	0.0	0.0	0.0	26
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	51.8	0.0	-3.0	5.8	0.9	0.0	0.0	0.0	0.0	0.0	19
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	47.8	0.0	-3.0	5.7	0.5	0.0	0.0	0.0	0.0	0.0	29
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	51.2	0.0	-3.0	5.0	0.7	0.0	0.0	0.0	0.0	0.0	26

Receiver: R10  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	54

Receiver Name	Receiver ID	X	Y	Z
R10	R10	441008.15 m	5020416.98 m	4.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	52.1	0.0	-3.0	4.9	0.7	0.0	0.0	0.0	0.0	0.0	32
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	45.4	0.0	-3.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	47
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	45.9	0.0	-3.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	47

Receiver: R11  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	52

Receiver Name	Receiver ID	X	Y	Z
R11	R11	441119.79 m	5020452.92 m	1.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S38	Air Pump	441058.8	5020435.5	1.0	0	74	0.0	A	47.0	0.0	-3.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	29
S12	Car Idling - Carwash Queue	441097.2	5020458.8	0.6	0	67	0.0	A	38.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	32
S11	Car Idling - Carwash Queue	441098.5	5020464.6	0.6	0	67	0.0	A	38.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S13	Car Idling - Carwash Queue	441089.9	5020456.5	0.6	0	67	0.0	A	40.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S10	Car Idling - Carwash Queue	441094.8	5020470.1	0.6	0	67	0.0	A	40.7	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S09	Car Idling - Carwash Queue	441087.5	5020467.5	0.6	0	67	0.0	A	42.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S14	Car Idling - Carwash Queue	441084.2	5020454.5	0.6	0	67	0.0	A	42.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S08	Car Idling - Carwash Queue	441084.0	5020462.4	0.6	0	67	0.0	A	42.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S15	Car Idling - Carwash Queue	441078.6	5020452.5	0.6	0	67	0.0	A	43.3	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S07	Car Idling - Carwash Queue	441076.5	5020459.0	0.6	0	67	0.0	A	43.8	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S16	Car Idling - Carwash Queue	441074.0	5020450.1	0.6	0	67	0.0	A	44.2	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	26
S17	Car Idling - Carwash Queue	441067.7	5020447.5	0.6	0	67	0.0	A	45.4	0.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24
S18	Car Idling - Carwash Queue	441061.6	5020445.1	0.6	0	67	0.0	A	46.4	0.0	-3.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S19	Car Idling - Carwash Queue	441055.8	5020442.6	0.6	0	67	0.0	A	47.2	0.0	-3.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	23
S31	Car Idling - Drive Thru Queue	441105.1	5020421.0	0.6	0	67	0.0	A	41.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S24	Car Idling - Drive Thru Queue	441107.8	5020444.3	0.6	0	67	0.0	A	34.4	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	36
S32	Car Idling - Drive Thru Queue	441099.8	5020418.5	0.6	0	67	0.0	A	43.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	27
S23	Car Idling - Drive Thru Queue	441103.6	5020449.0	0.6	0	67	0.0	A	35.5	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	35
S28	Car Idling - Drive Thru Queue	441106.5	5020441.3	0.6	0	67	0.0	A	36.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34
S29	Car Idling - Drive Thru Queue	441111.1	5020436.0	0.6	0	67	0.0	A	36.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S27	Car Idling - Drive Thru Queue	441100.6	5020445.8	0.6	0	67	0.0	A	37.3	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	33
S22	Car Idling - Drive Thru Queue	441098.6	5020450.7	0.6	0	67	0.0	A	37.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	32
S30	Car Idling - Drive Thru Queue	441113.2	5020429.8	0.6	0	67	0.0	A	38.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	31
S26	Car Idling - Drive Thru Queue	441093.7	5020445.9	0.6	0	67	0.0	A	39.6	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S21	Car Idling - Drive Thru Queue	441091.5	5020449.4	0.6	0	67	0.0	A	40.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S33	Car Idling - Drive Thru Queue	441111.7	5020424.5	0.6	0	67	0.0	A	40.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30
S25	Car Idling - Drive Thru Queue	441088.1	5020443.9	0.6	0	67	0.0	A	41.4	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	29
S20	Car Idling - Drive Thru Queue	441086.5	5020447.0	0.6	0	67	0.0	A	41.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	28
S39	Car Travel	441091.0	5020417.5	0.0	0	62	13.1	A	44.2	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	34
S39	Car Travel	441098.0	5020400.7	0.0	0	62	12.0	A	46.1	0.0	-3.6	15.2	0.3	0.0	0.0	0.0	0.0	0.0	16
S39	Car Travel	441080.3	5020424.2	0.0	0	62	11.6	A	44.8	0.0	-3.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	32
S39	Car Travel	441074.9	5020409.6	0.0	0	62	13.8	A	46.9	0.0	-3.8	0.0	0.3	0.0	0.0	0.0	0.0	0.0	32
S39	Car Travel	441067.1	5020394.0	0.0	0	62	12.9	A	49.0	0.0	-4.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30
S40	Carwash Entrance	441073.5	5020457.5	0.5	0	80	5.8	A	44.4	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	41
S40	Carwash Entrance	441073.5	5020457.5	2.5	0	80	5.8	A	44.4	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	41
S40	Carwash Entrance	441073.5	5020457.5	1.5	0	80	5.8	A	44.4	3.0	-3.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	41
S41	Carwash Exit	441058.3	5020450.9	0.5	0	88	5.9	A	46.8	3.0	-3.1	17.6	0.4	0.0	0.0	0.0	0.0	0.0	28
S41	Carwash Exit	441058.3	5020450.9	2.5	0	88	5.9	A	46.8	3.0	-3.0	17.5	0.4	0.0	0.0	0.0	0.0	0.0	28
S41	Carwash Exit	441058.3	5020450.9	1.5	0	88	5.9	A	46.8	3.0	-3.0	17.6	0.4	0.0	0.0	0.0	0.0	0.0	28
S35	Drive Thru Speaker (Day)	441106.9	5020449.6	0.6	0	72	0.0	A	33.5	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	41
S34	Drive Thru Speaker (Day)	441104.2	5020445.5	0.6	0	72	0.0	A	35.8	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	39
S04	Rooftop Compressor	441115.8	5020393.0	5.8	0	77	0.0	A	46.6	0.0	-3.0	10.2	0.5	0.0	0.0	0.0	0.0	0.0	23
S05	Rooftop Condenser 1	441111.5	5020404.0	6.0	0	82	0.0	A	44.9	0.0	-3.0	9.8	0.5	0.0	0.0	0.0	0.0	0.0	30

Receiver: R11  
 Project: 1545 Woodroffe Avenue Circle K  
 Project Number: 21068

Time Period	Total (dBA)
Day	52

Receiver Name	Receiver ID	X	Y	Z
R11	R11	441119.79 m	5020452.92 m	1.50 m

Source ID	Source Name	X	Y	Z	Ref.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
S06	Rooftop Condenser 2	441116.1	5020399.6	6.0	0	74	0.0	A	45.6	0.0	-3.0	9.3	0.5	0.0	0.0	0.0	0.0	0.0	22
S03	Rooftop Unit (Carwash)	441065.6	5020455.5	7.9	0	80	0.0	A	45.7	0.0	-3.0	7.1	0.4	0.0	0.0	0.0	0.0	0.0	30
S01	Rooftop Unit 1 (Store)	441110.4	5020411.1	6.4	0	80	0.0	A	43.7	0.0	-3.0	8.9	0.3	0.0	0.0	0.0	0.0	0.0	30
S02	Rooftop Unit 2 (Store)	441118.7	5020389.3	6.4	0	87	0.0	A	47.1	0.0	-3.0	7.7	0.4	0.0	0.0	0.0	0.0	0.0	34
S37	Vacuum (Day)	441060.0	5020435.9	1.9	0	94	0.0	A	46.9	0.0	-3.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	46
S36	Vacuum (Day)	441057.6	5020434.9	1.9	0	94	0.0	A	47.2	0.0	-3.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	45

Project: 1545 Woodroffe Avenue Circle K  
Project Number: 21068

Source ID	Source Name	Point of Reception R01		Point of Reception R02		Point of Reception R03		Point of Reception R04		Point of Reception R05		Point of Reception R06		Point of Reception R07		Point of Reception R08		Point of Reception R09		Point of Reception R10		Point of Reception R11	
		Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day
S38	Air Pump	38	34	49	18	60	22	78	27	73	25	75	28	87	26	112	13	107	12	54	31	63	29
S18	Car Idling - Carwash Queue	30	22	39	11	51	12	71	22	68	22	71	22	87	20	113	11	110	7	60	23	59	23
S07	Car Idling - Carwash Queue	31	19	21	32	31	29	51	25	50	25	56	24	79	21	108	18	107	18	80	8	44	26
S17	Car Idling - Carwash Queue	31	13	34	14	45	16	64	23	61	23	64	23	82	20	109	18	106	8	67	22	52	24
S16	Car Idling - Carwash Queue	33	12	30	25	40	27	58	24	54	24	58	23	77	21	105	18	103	10	74	21	46	26
S15	Car Idling - Carwash Queue	36	14	28	30	36	28	52	24	49	25	53	24	74	21	103	18	101	13	79	21	41	27
S08	Car Idling - Carwash Queue	37	28	19	34	24	31	43	26	43	26	49	25	74	21	105	18	105	18	89	11	37	28
S09	Car Idling - Carwash Queue	39	27	16	35	18	34	38	27	39	27	48	25	75	21	106	15	107	18	94	9	35	28
S14	Car Idling - Carwash Queue	40	18	26	31	32	29	47	25	43	26	48	25	70	22	99	19	99	19	85	20	36	28
S19	Car Idling - Carwash Queue	31	29	44	11	57	11	77	21	74	21	76	21	92	19	117	8	113	6	54	24	65	23
S13	Car Idling - Carwash Queue	44	26	26	31	28	30	41	27	37	27	42	26	66	22	96	19	97	19	91	19	30	29
S10	Car Idling - Carwash Queue	46	26	20	33	15	36	30	29	32	29	42	26	71	22	103	13	105	18	102	10	30	29
S12	Car Idling - Carwash Queue	50	25	28	30	26	31	34	28	30	29	36	28	62	23	93	16	94	19	98	19	23	32
S11	Car Idling - Carwash Queue	50	25	26	31	21	33	29	30	28	30	36	28	65	22	96	14	98	19	102	18	24	31
S32	Car Idling - Drive Thru Queue	74	9	65	22	66	22	66	22	53	24	45	26	45	14	67	7	63	6	92	19	40	27
S31	Car Idling - Drive Thru Queue	76	9	65	22	65	22	62	23	48	25	40	27	39	20	63	9	60	8	97	19	35	28
S20	Car Idling - Drive Thru Queue	45	13	34	28	38	27	49	25	44	26	46	26	64	23	93	19	92	19	84	20	34	28
S21	Car Idling - Drive Thru Queue	48	16	33	28	35	28	44	26	38	27	41	27	61	23	90	19	90	19	89	19	29	30
S25	Car Idling - Drive Thru Queue	48	12	37	27	41	27	50	25	43	26	44	26	61	23	90	19	88	15	84	20	33	29
S26	Car Idling - Drive Thru Queue	52	14	37	27	39	27	45	26	38	27	39	27	57	24	86	20	86	20	90	19	27	30
S22	Car Idling - Drive Thru Queue	54	19	36	28	34	28	38	27	31	29	33	28	56	24	86	20	87	20	97	19	21	32
S27	Car Idling - Drive Thru Queue	58	15	41	27	40	27	41	27	32	29	32	29	51	25	81	20	82	20	97	19	21	33
S23	Car Idling - Drive Thru Queue	59	19	40	27	37	27	37	28	28	30	29	30	51	25	81	20	82	20	101	18	17	35
S24	Car Idling - Drive Thru Queue	65	16	46	25	43	26	39	27	27	30	25	31	44	26	75	21	76	21	103	18	15	36
S28	Car Idling - Drive Thru Queue	65	14	48	25	45	26	42	26	30	29	27	30	44	26	74	21	74	21	101	18	18	34
S29	Car Idling - Drive Thru Queue	72	12	55	24	52	24	46	26	32	29	26	31	37	27	67	22	67	22	105	18	19	33
S30	Car Idling - Drive Thru Queue	77	11	61	23	58	23	51	25	37	28	28	30	33	29	61	23	61	23	106	18	24	31
S33	Car Idling - Drive Thru Queue	79	10	65	22	63	23	57	24	42	26	33	28	33	28	60	23	58	23	104	18	30	30
S39	Car Travel	76	33	79	37	84	36	87	35	74	36	66	36	57	31	69	33	58	36	77	37	61	38
S40	Carwash Entrance	29	33	23	52	34	48	54	44	53	44	59	43	81	40	110	37	108	33	77	23	47	45
S41	Carwash Exit	23	59	35	37	49	34	71	29	69	32	74	32	92	32	119	22	116	22	61	51	62	33
S34	Drive Thru Speaker (Day)	61	21	43	31	41	31	40	32	29	34	28	34	48	30	78	25	79	25	100	23	17	39
S35	Drive Thru Speaker (Day)	62	27	42	31	38	32	35	33	25	36	25	35	48	30	79	21	81	25	104	23	13	41
S04	Rooftop Compressor	104	12	95	23	94	23	87	15	72	25	60	26	39	28	46	27	37	29	110	20	60	23
S05	Rooftop Condenser 1	92	18	83	29	82	29	77	21	62	31	51	32	36	34	52	32	45	33	104	26	50	30
S06	Rooftop Condenser 2	99	11	89	21	88	21	81	12	65	22	53	24	34	27	46	24	39	26	109	19	54	22
S03	Rooftop Unit (Carwash)	24	35	28	35	40	33	63	30	61	30	66	29	87	27	115	25	113	23	69	29	65	30
S01	Rooftop Unit 1 (Store)	87	18	76	29	75	29	70	29	55	31	45	33	35	35	55	31	50	32	102	26	43	30
S02	Rooftop Unit 2 (Store)	108	23	99	33	98	33	91	24	75	35	63	37	39	40	43	40	33	42	114	32	64	34
S37	Vacuum (Day)	38	50	48	29	59	35	77	43	72	44	73	44	86	42	111	24	106	23	55	47	62	46
S36	Vacuum (Day)	38	50	50	28	61	33	80	43	75	44	76	44	88	42	112	24	107	23	53	47	65	45
<b>Total Level (dBA)</b>			<b>60</b>		<b>53</b>		<b>50</b>		<b>49</b>		<b>50</b>		<b>50</b>		<b>49</b>		<b>44</b>		<b>44</b>		<b>54</b>		<b>52</b>

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**End of Report**

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