

**NOISE AND VIBRATION FEASIBILITY STUDY
PROPOSED RESIDENTIAL MIXED-USE DEVELOPMENT
49 SOUTH SERVICE ROAD
MISSISSAUGA, ONTARIO**

FOR

EDENSHAW SSR DEVELOPMENTS LIMITED

PREPARED BY



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1.0 INTRODUCTION

At the request of Edenshaw SSR Developments Limited, J.E. COULTER ASSOCIATES LIMITED has completed a noise and vibration study of the proposed 26-storey (excluding mechanical penthouse) residential mixed-used development at 49 South Service Road in Mississauga, Ontario. See Figure 1 in Appendix A for an Area Plan.

The purpose of the study is to prepare recommendations to address noise/vibration issues in support of the subject property's rezoning application. This report will show that applicable MECP and City of Mississauga noise guidelines can be met with modest noise control measures. These recommendations will take into consideration the sound from the surrounding roadways and highways as well as the potential noise and vibration from the future Hurontario Light Rail Transit (LRT), which is currently under construction. Please see Figure 2 in Appendix A for a Site Plan.

This report also briefly reviews the impact of the development on itself and surrounding areas.

The site is bounded to the north by Queen Elizabeth Way (QEW), to the south and east by South Service Road with existing institutional/commercial and residential beyond, and to the west by the QEW and Hurontario Street, which will also include the future LRT. A review of the area indicates there are no significant sources of stationary noise that would have the potential to affect the occupants of the future building itself.

A traction power substation (TPSS) is proposed at the southeast corner of the intersection of Hurontario Street and South Service Road. Due to the setback from the TPSS, noise impacts are not expected at the development. This report focuses on the transportation noise and vibration impacts.

2.0 APPLICABLE CRITERIA

The Ministry of the Environment and Climate Change's (MECP) applicable criteria to a site such as this are found in its publication *NPC-300* "Environmental Guide for Noise, Stationary and Transportation Sources – Approval and Planning."

As per *NPC-300*, this development would be considered a Class 1 – Urban area.

The MECP and the City of Mississauga do not promulgate vibration limits on new developments. Best practice standards in Ontario are based on the previous versions of the ISO-2631 vibration guidelines, which suggested a maximum limit of 0.14mm/s RMS for vibration in areas where people sleep. MECP and TTC typically target 0.10 mm/s RMS at residences during transit expansions. These standards are reviewed within this study. Vibration control is not a strict requirement but a guideline.

2.1 Transportation Noise Guidelines

Transportation noise sources addressed by *NPC-300* include aircraft, rail traffic, and roadway traffic (which include cars, trucks, buses, etc.).

Where the sound levels exceed 55 dB L_{eq} in private outdoor living areas (OLA), MECP requires noise mitigation measures to be incorporated into the subdivision design (i.e., intervening structures such as acoustic barriers or buildings and/or greater setbacks from the noise source).

However, MECP will permit sound levels up to 60 dB L_{eq} daytime (5 dB above the criterion level of 55 dB L_{eq}) in private outdoor living areas (OLA), if it is not technically feasible to achieve 55 dB. Where the criterion levels are marginally exceeded, a warning clause is required in the *Agreement of Purchase and Sale* and the subdivision agreement. With respect to condominiums or townhouses, balconies are considered OLAs only if they are 4m or greater in depth.

The MECP defines an OLA as part of a noise sensitive land use that is:

- intended and designed for the quiet enjoyment of the outdoor environment; and
- readily accessible from the building.

The development includes a ground floor amenity area located on the west side of the development within the MTO buffer area. Given the high ambient sound levels due to its proximity to the highway, this area is not intended or designed for the quiet enjoyment of the outdoor environment. Therefore, the amenity area should not be marketed as such. Physical noise control measures such as noise barriers or walls are also not permitted within the MTO buffer area. This amenity area is also not as readily accessible as the others located on the building itself. For this reason, this ground floor amenity area is not reviewed further as a noise sensitive space in this assessment.

For residential buildings, the Ministry's ventilation requirements are based on the sound level at the exterior building façade. Where the sound levels at the exterior of the building façade exceed 55 dB L_{eq} daytime at the living room window or 50 dB L_{eq} nighttime at the bedroom window, the unit must be provided with forced air heating, with a provision for future air conditioning by the owner. An excess up to 10 dB is permissible, provided a warning clause is given. Where the sound levels exceed this limit (i.e., 65 dB L_{eq} daytime or 60 dB L_{eq} nighttime), air conditioning must be incorporated into the building design prior to occupancy. Warning clauses are applicable as well.

Air-conditioning requirements are applied so that adequate interior sound levels can be maintained with the windows closed.

The MECP also stipulates acceptable indoor sound levels limits, which vary depending on whether they are railway noise sources or roadway noise sources.

The applicable MECP criteria are summarized in Table 1, below.

Table 1: Noise Criteria Summary

Type of Space	Road		Rail	
	Daytime (dB L_{eq}) (0700–2300)	Nighttime (dB L_{eq}) (2300–0700)	Daytime (dB L_{eq}) (0700–2300)	Nighttime (dB L_{eq}) (2300–0700)
Outdoor Living Area (OLA)	55	N/A	55	N/A
Bedrooms	45	40	40	35
Living/Dining	45	45	40	40
Kitchen/Baths	45	45	40	40

Note: OLAs for condominiums are terraces/balconies greater than 4m in depth and common amenity areas such as rooftop patios intended for quiet enjoyment.

Transportation noise sources in the vicinity of the proposed development include road traffic from the QEW, Hurontario Street, and South Service Road. In the future, sound levels from the Hurontario LRT may contribute to the soundscape. However, road traffic noise from the QEW dominates the transportation noise at the development.

2.2 Vibration Guidelines

As mentioned, the MECP and the City of Mississauga do not enforce vibration level limits for new developments. Instead, railways such as CP, CN, and Metrolinx request that vibration levels on the nearest residential floor not exceed 0.14mm/s RMS overall between 4 Hz and 200 Hz. If an excess above this level is expected, vibration control measures need to be incorporated into the development.

CP and Metrolinx typically require vibration be reviewed for developments that 75m or closer to the railway. As the building is more than 75m from the LRT, vibration is not considered further in this assessment. In any case, vibration levels from light rail systems are typically well below the criteria at such setbacks, especially considering there are no ground floor units.

2.3 Stationary Noise Guidelines

MECP considers activities generated by fixed or mobile sources of noise within non-transportation facilities to be stationary sources. *NPC-300* basically states the average noise of the stationary source should not exceed the average noise of the roadway traffic during the same hourly time period for Class 1 areas or the exclusion limits, whichever is higher. The exclusion limits that apply are 50 dB L_{eq} during the daytime (0700–1900 hours), 50 dB L_{eq} during the evening (1900–2300 hours), and 45 dB L_{eq} nighttime (2300–0700 hours), respectively.

A “stationary noise source,” to which the guideline applies, is defined in the interpretation section of the MECP guideline as being everything on a property, with a series of exceptions. The time period over which the sound is averaged is 1 hour. As noted previously, there are no major sources of stationary source near the subject development that have the potential to exceed the noise guidelines. However, the noise from the currently under construction TPSS has been reviewed.

3.0 TRANSPORTATION NOISE SOURCES

The following sections summarize the noise sources surrounding the proposed development.

3.1 Roadway Noise Sources

The site is bounded immediately to the north and west by the QEW. The 2019 traffic volumes and truck percentages for the QEW and its ramps were provided by the MTO. These volumes were escalated to 2032 using a growth rate of 1% per annum and are summarized in Table 2, below. The speed limit in the area is assumed to be 100 km/hr.

Ultimate traffic volumes (2041), speed limits, and truck percentages for Hurontario Street and South Service Road were provided by the City of Mississauga.

Table 2: Future Road Traffic Volumes

Roadway	Traffic Volumes	Truck Percentage		Speed Limit (km/h)
		Medium	Heavy	
QEW	183,603	6.0	6.0	100
HWY 10 NB to QEW EB On-Ramp	8,363	6.0	6.0	100
QEW WB to HWY 10 Off-Ramp	12,722	6.0	6.0	100
Hurontario Street	63,600	3.3	2.7	50
South Service Road	9,300	1.7	1.3	60

3.2 Light Rail Transit

The City of Mississauga and Metrolinx are planning to construct a light rail transit system between Port Credit and Steeles Avenue along Hurontario Street.

An Environmental Assessment of the project was originally completed in 2014. The 2014 plan for the LRT was to run in the centre of Hurontario Street in the area of the subject development. Please see Figure 3 in Appendix A for the local area plan.

The 2014 study predicted that the LRT volume would be 280 vehicle sets during the daytime and 44 vehicle sets during the nighttime. Each vehicle was expected to produce a maximum sound level of 82 dBA at 7.5m while travelling at 60 km/hr.

4.0 TRANSPORTATION NOISE ASSESSMENT

Based on the volumes provided in Section 3.0, the sound levels have been calculated at several locations of the proposed development shown in Figure 4 in Appendix A. The sound levels at the façades were calculated in CadnaA using the Traffic Noise Model algorithm as per MECP publication NPC-306. The calculated sound levels are summarized in Table 3, below.

Table 3: Transportation Noise Summary

Location	Description	Road + LRT	
		Daytime (dBA L _{eq,16hr})	Nighttime (dBA L _{eq,8hr})
1	South Façade	66	59
2	West Façade	75	69
3	North Façade	75	70
4	East Façade	65	58

Note that the LRT sound levels are more than 10 dB lower than the roadway sound levels and so do not affect the overall sound levels. Please see Appendix B for sample calculations.

4.1 Noise Control Recommendations

The calculated sound levels exceed the MECP guidelines. As a result, noise control measures will be required.

Ventilation Upgrades

As the sound levels exceed 65 dBA L_{eq} during the daytime and 60 dBA L_{eq} during the nighttime on the west, north, and east façades, the entire development should be provided with central air conditioning. All of the units will need to be supplied with Warning Clause D (see Appendix C) in their *Agreements of Purchase and Sale or Lease*. The use of central air conditioning is fairly standard for new residential developments.

Noise Barriers

It is recommended all private terraces/balconies and common amenity areas readily accessible from the building be limited in depth to less than 4m. Otherwise, these areas will require noise barriers.

In any case, all units in this development should be provided with Warning Clause B in their *Agreements of Purchase and Sale or Lease*.

Exterior Glazing and Walls/Panels

In order to achieve indoor sound level targets, it is recommended that metal spandrel panels be configured as follows:

Metal Spandrel:

- Aluminum panel in aluminum frames
- 50mm rigid batt insulation
- 20 GA. galvanized steel backpan
- 12mm air space
- 64mm batt insulation
- 64mm steel studs @ 600mm o/c
- 6 MIL. poly vapour barrier
- 16mm gypsum board (Fire Code C).

The above should achieve an STC 45 rating. Glass spandrel, precast, and masonry exterior wall assemblies should not need special treatment. As the development is more than 100m from the railway corridor, brick veneering or its acoustical equivalent is not required.

The suite layouts for the proposed development have not been detailed. Preliminary sound levels have been calculated using the National Research Council's BPN-56 prediction procedure using the most current plans.

Assuming 100% window-to-floor area ratio for living rooms and bedrooms, the indoor sound level limits will be met with STC 39 windows on the north and west façades and STC 35 windows for the east and south façades.

All units in the development are to be provided with central air conditioning as well as Warning Clause Type A in their *Agreements of Purchase and Sale or Lease*. The inclusion of air conditioning is fairly standard in such buildings.

The exterior wall assemblies are assumed to be minimum STC 45 for spandrel panels and STC 55 for masonry elements, which exceed the window STC recommendations significantly. Once unit layouts are finalized, typically prior to building permit, a more detailed review should be completed by a qualified acoustic engineer to confirm the exterior façade STC ratings.

5.0 STATIONARY NOISE ASSESSMENT

The City of Mississauga and Metrolinx are currently building a light rail transit system between Port Credit and Steeles Avenue along Hurontario Street. An Environmental Assessment of the project was originally completed in 2014. The 2014 plan for the LRT was to run in the centre of Hurontario Street in the area of the subject development.

A traction power substation (TPSS) is proposed at the southeast corner of the intersection of Hurontario Street and South Service Road and shown in Figure 3 in the Appendix. Assuming the TPSS generates a sound pressure level of 63 dBA at 3m as assumed in the 2014 EA, the sound levels at the development are 38 dBA $L_{eq,1hr}$. This sound level is also consistent with recent public messaging regarding the TPSS, which compares the sound levels to that of an air-conditioning system.

For road traffic, the traffic volumes during the quietest hour are approximately 40% of average volume for that period. This typically represents a 4 dB downward adjustment to the daytime or nighttime sound levels. The quietest hourly nighttime sound levels at the building closest to the TPSS is 54 dBA $L_{eq,1hr}$. As the TPSS noise is dominated by the ventilation systems, a tonality adjustment is not applied. If the noise were tonal, it would be subject to a 5 dB penalty, which would still result in sound levels well below the criteria.

The sound levels from the TPSS at the development are well below the quietest nighttime hourly sound levels and are also below the nighttime exclusion criteria of 45 dBA $L_{eq,1hr}$. Noise control measures are not required.

6.0 IMPACT OF THE DEVELOPMENT ON ITSELF AND THE SURROUNDING AREA

The City requests that new developments consider the noise impact of the development both on itself and the surrounding area.

Typically, for a development such as this, exhaust fans and other mechanical equipment are the major noise generators. There are no noise sensitive receivers near the subject development. Given the high ambient sound levels in the area, the more critical receptors are the future occupants of the development itself.

The mechanical design of the development has not yet progressed to the point where the impact of the development on itself or its surroundings can be accurately quantified. As plans mature, a review of the impacts of the development on itself as well as on the surrounding area can be completed.

Noise control measures for the development's mechanical equipment can be readily incorporated into the design. In many cases, equipment can also be selected to avoid a noise

impact entirely. It is recommended a review of the outdoor noise impact of the development be completed when the mechanical design is completed, prior to the building permit application.

7.0 CONCLUSIONS

The proposed development is located in an area with a modest amount of transportation noise. The transportation sound levels exceed the MECP guidelines, and noise control measures in the form of ventilation upgrades and façade elements have been recommended. The extent and nature of these upgrades is similar to those required for residential developments built nearby busy roadways.

This analysis has been completed to demonstrate the development's feasibility. The glazing recommendations may need to be revisited once the suite layouts and building plans are finalized.

Overall, the noise and vibration study demonstrates that the proposed development is technically feasible from a noise and vibration perspective. There are no major noise and/or vibration issues that would prove challenging to address at later stages of the design.

8.0 SUMMARY OF RECOMMENDATIONS

To meet the requirements of the Ministry of the Environment, Conservation and Parks and the City of Mississauga, the following noise control measures will be required:

1. All units will be supplied with central air conditioning. Warning Clause Type D will be inserted into the *Agreements of Purchase and Sale or Lease* for all units.
2. Terraces, private balconies, and common amenity areas readily accessible from the building and greater than 4m in depth should be avoided. If included, such areas will need to be addressed to ensure the guidelines are met.
3. All units within the development need to be supplied with Warning Clause Type B in their *Agreements of Purchase and Sale or Lease*.
4. General glazing and spandrel panel recommendations have been provided based on current suite layouts. The finalized suite layouts and building plans should be reviewed by a qualified acoustical engineer to determine that the glazing is appropriate to meet the indoor noise criteria.
5. The ground floor amenity area should not be designated or planned for quiet use given the high sound levels.
6. Vibration impacts are not expected since the development is located more than 75m away from the future LRT.
7. Prior to the building permit application, a review of the proposed development's mechanical and electrical equipment should be completed to ensure that applicable noise guidelines are met at the surrounding areas as well as at the future development itself.

APPENDIX A: FIGURES

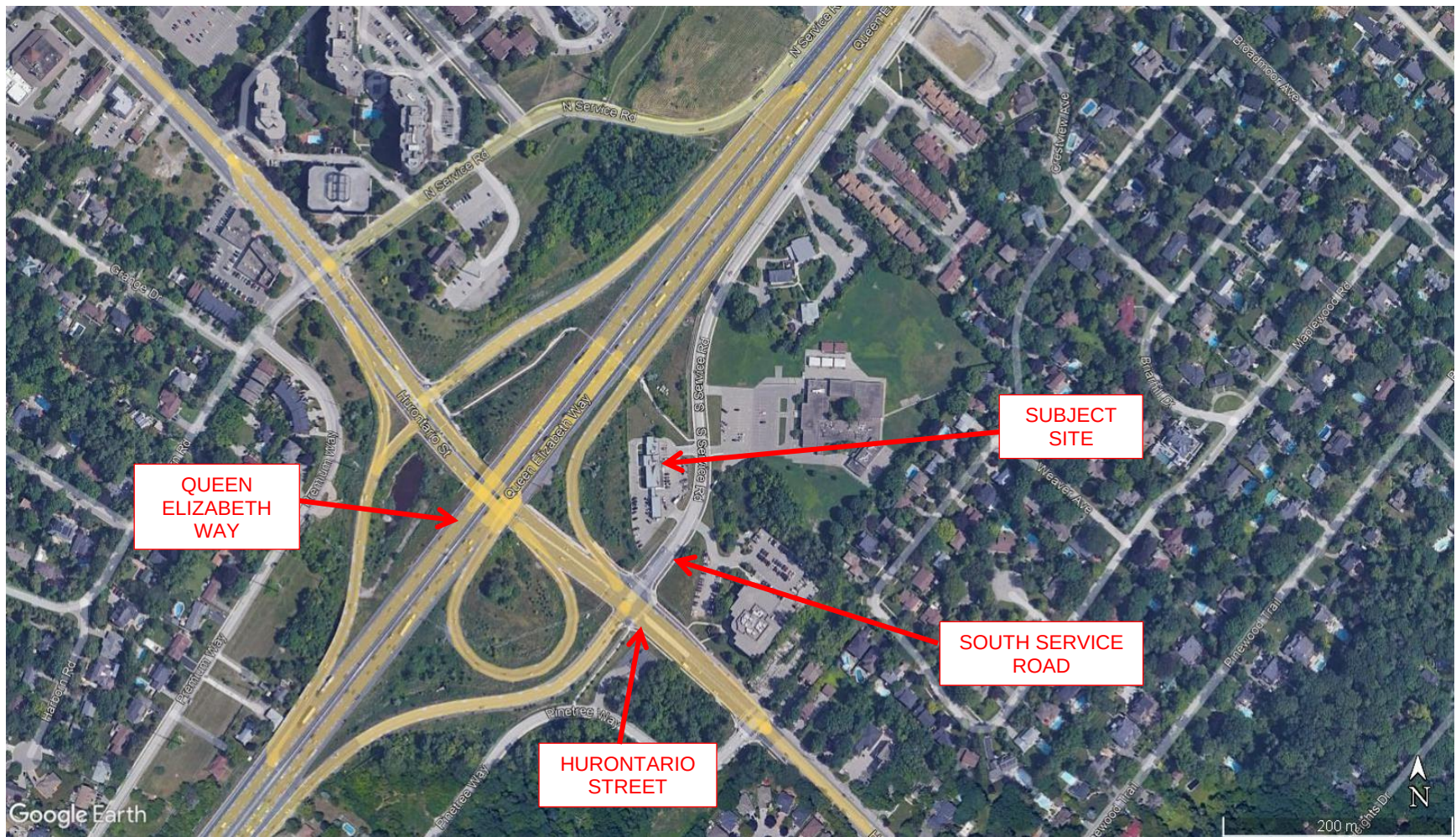
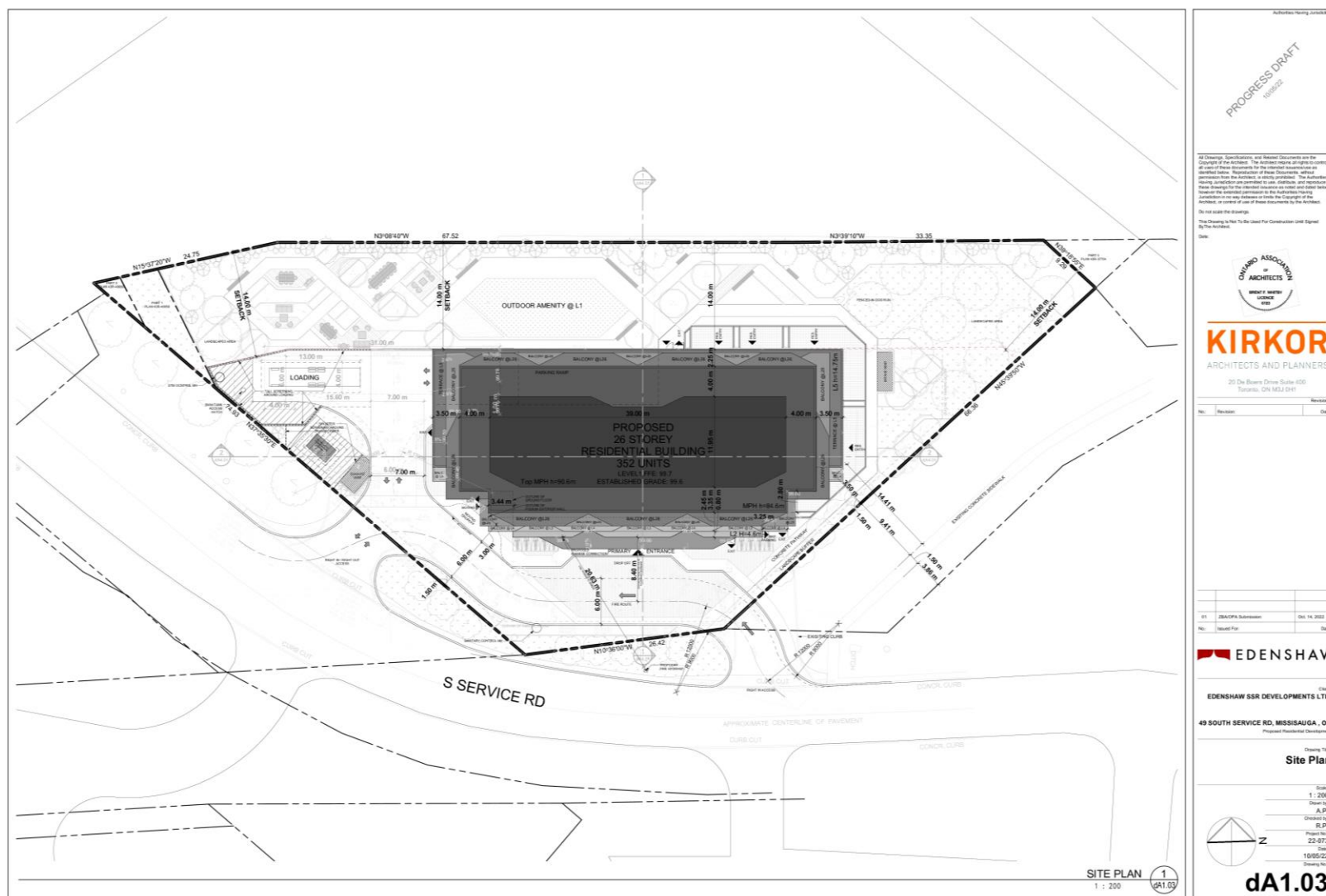


Figure 1: Key Plan



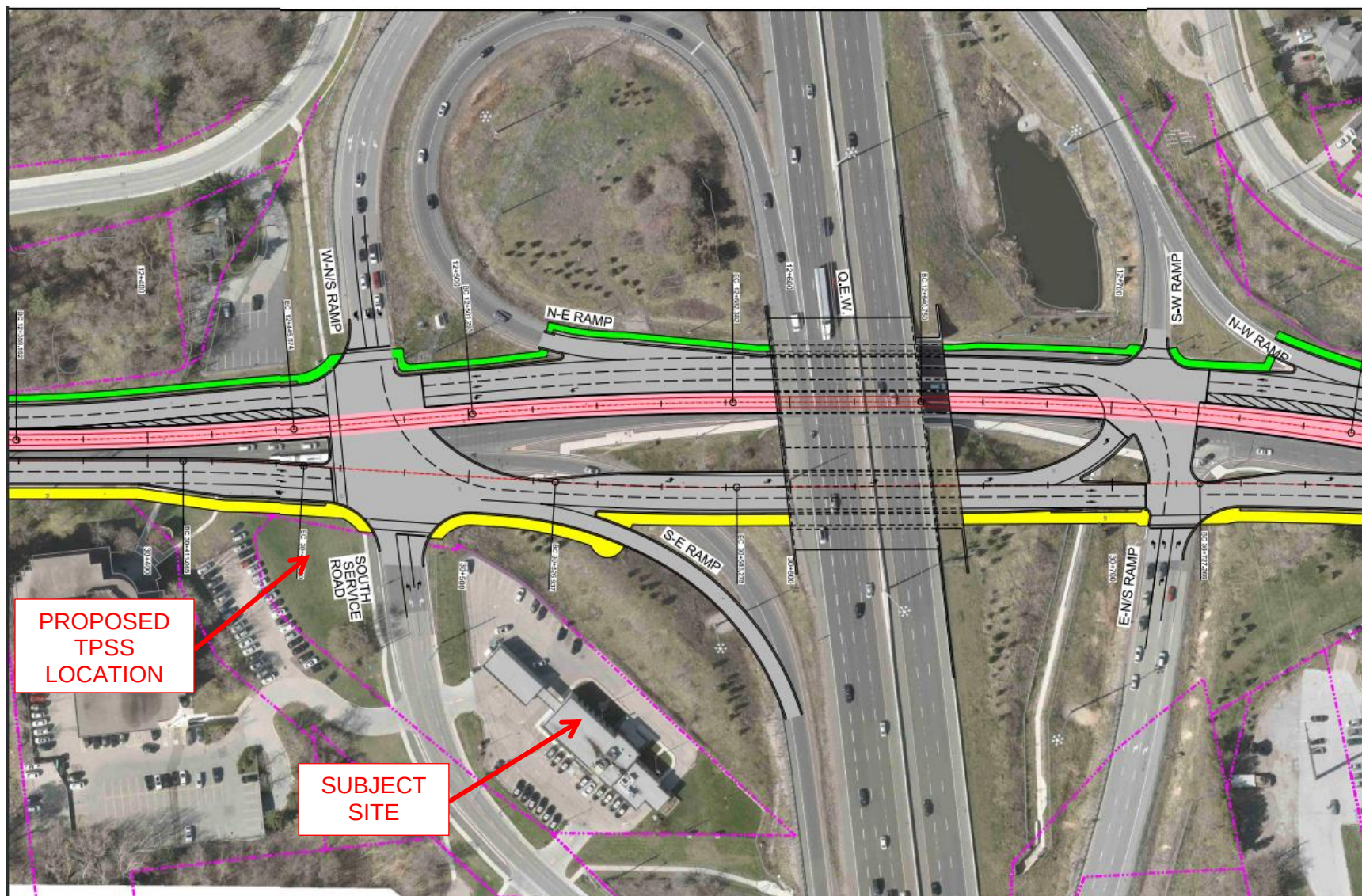


Figure 3: Proposed LRT Alignment (Hurontario LRT Rollout Map)

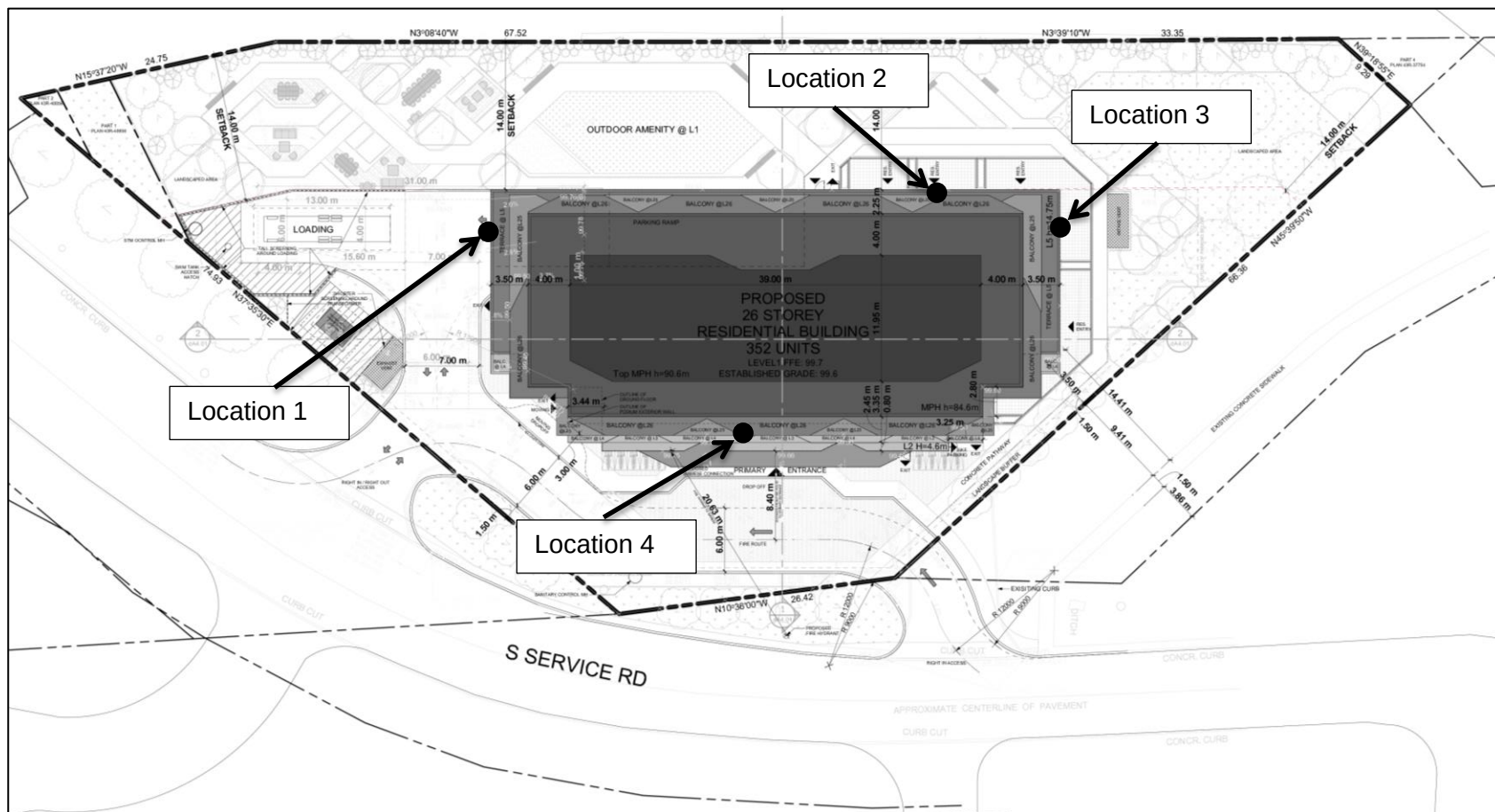


Figure 4: Calculation Locations

APPENDIX B: DATA AND SAMPLE CALCULATIONS

Date: 29-Aug-22

NOISE REPORT FOR PROPOSED DEVELOPMENT

REQUESTED BY:

Name: Brendon Colaco

Company: JE Coulltier

Location:

South Service Road between Hurontario Street to Kenmuir
Hurontario Street between

PREPARED BY:

Name: Loudel Uy

Tel#: 905 6153200



ID# 559

ON SITE TRAFFIC DATA

Specific	Street Names				
	Hurontario Street	South Service Road			
AADT:	63,600	9,300			
# of Lanes:	6 lanes	2 lanes			
% Trucks:	6%	3%			
Medium/Heavy Trucks Ratio:	55/45	55/45			
Day/Night Split:	90/10	90/10			
Posted Speed Limit:	50km/h	60km/h			
Gradient Of Road:	<2%	<2%			
Ultimate R.O.W:	30m	20m			

Comments:

Ultimate Traffic Data Only (2041)

-There is a proposed LRT line along Hurontario Street. Existing lanes may be converted from 6 lanes to 4 lanes with 2 LRT lines in the middle.

Please contact Farhad Shala @ (905) 615-3200 ext. 3377 or farhad.shala@mississauga.ca for more info regarding LRT.

SEVEN DAY HOURLY REPORT

Station 1:

QEWDE0470DES

HIGHWAY: QEW

STREAM: SINGLE ROADWAY

DIRECTION: TORONTO BOUND

LHRS / OFFSET: 10146 / 1.8

LOCATION: (43.567, -79.601)

DESCRIPTION: AT HWY 10

Station 2:

QEWDE0470DWS

HIGHWAY: QEW

STREAM: SINGLE ROADWAY

DIRECTION: FORT ERIE BOUND

LHRS / OFFSET: 10146 / 1.8

LOCATION: (43.567, -79.601)

DESCRIPTION: AT HWY 10

CONFIDENCE LEVEL: 95%

HOUR-ENDING	MON		TUE		WED		THU		FRI		SAT		SUN	
	09-Sep-19		10-Sep-19		11-Sep-19		12-Sep-19		13-Sep-19		14-Sep-19		15-Sep-19	
	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2
	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops
01:00	749	967	692	965	790	1062	784	1121	849	1342	1336	1926	1890	2204
02:00	456	507	483	543	501	645	535	585	614	730	859	1161	1263	1422
03:00	406	378	378	424	425	462	495	480	490	543	614	805	819	927
04:00	501	351	545	362	544	404	560	406	611	437	595	637	628	652
05:00	1189	589	1133	566	1158	604	1208	576	1179	618	656	504	539	499
06:00	4005	1559	3977	1450	4048	1514	3900	1397	3824	1463	1265	747	831	555
07:00	4858	3593	4779	3444	4832	3466	4550	3499	4810	3551	2138	1703	1233	996
08:00	4593	5180	4589	4946	4574	4968	4595	4819	4792	5142	2933	2775	1805	1738
09:00	4545	4993	4802	4956	4768	4851	4746	4531	4960	5038	4175	3905	2529	2703
10:00	5032	4518	4658	4552	4572	4611	3990	4245	4941	4433	5309	4819	3999	3764
11:00	4689	4169	4941	4255	4397	4230	4751	4367	4973	4397	5334	5023	5110	4283
12:00	4634	4330	4871	4348	4649	4480	5213	4443	5110	4733	4877	4921	4483	4525
13:00	4531	4259	4769	4597	4794	4677	4646	4602	5078	4712	4670	5010	4387	4645
14:00	4589	4601	4627	4601	4525	4660	4872	4628	4691	4683	4781	4959	4185	4457
15:00	4624	5226	4908	4930	4878	4742	4936	5174	5021	4890	4577	4832	4256	4471
16:00	4996	5140	5242	5142	4995	4939	5030	5043	4539	4449	4372	4823	4655	4835
17:00	4911	4914	4991	4150	4968	4821	4118	4749	4790	4909	4740	4636	4857	4729
18:00	4749	4918	4889	4661	4620	3588	4558	4951	4496	4916	4127	4519	4616	4771
19:00	4532	5066	4845	5161	4871	4977	4670	5134	4631	4768	4181	4158	4586	4839
20:00	3915	4615	4144	4506	4235	4538	4337	4777	4628	4547	4386	4297	4596	4783
21:00	3178	3733	3241	3780	3360	3844	3603	4436	3854	4146	3330	4391	4286	4560
22:00	2553	3046	2622	3209	2776	3366	2925	3724	2882	3540	3634	3611	3373	3211
23:00	1928	2178	1977	2531	2066	2720	2132	3067	2351	2875	3216	3320	2203	2511
23:59	1238	1617	1208	2061	1201	2058	1313	2606	1987	2747	2617	3091	1300	1861

24 Hr Total	81,401	80,447	83,311	80,140	82,547	80,227	82,467	83,360	86,101	83,609	78,722	80,573	72,429	73,941
A.M. Total	35,657	31,134	35,848	30,811	35,258	31,297	35,327	30,469	37,153	32,427	30,091	28,926	25,129	24,268
P.M. Total	45,744	49,313	47,463	49,329	47,289	48,930	47,140	52,891	48,948	51,182	48,631	51,647	47,300	49,673
Noon-Noon			81,592	80,124	82,721	80,626	82,616	79,399	84,293	85,318	79,039	80,108	73,760	75,915
Highest Hour Starting	09:00	14:00	15:00	18:00	15:00	18:00	11:00	14:00	11:00	07:00	10:00	10:00	10:00	18:00
Highest Hour Volume	5,032	5,226	5,242	5,161	4,995	4,977	5,213	5,174	5,110	5,142	5,334	5,023	5,110	4,839
VDS 1 ADT =		80,997	VDS 2 ADT =		80,328	VDS1 AWD =		82,806	VDS2 AWD =		81,367			

ADT (Average Daily Traffic)-The average daily volume of the days being displayed

LHRS (Linear Highway Reference

AWD (Average Weekday Traffic) - The average weekday traffic based on data taken from Monday @noon to Friday @noon.

SEVEN DAY HOURLY REPORT

Station 1:

QEWRE0270RER

HIGHWAY: QEW

STREAM: SINGLE ROADWAY

DIRECTION: TOR BOUND

LHRS / OFFSET: 10150 / 0

LOCATION: (43.567, -79.600)

DESCRIPTION: ON-RAMP HWY 10 SB-QEW EB

Station 2:

QEWDE0260DWR

HIGHWAY: QEW

STREAM: OTHER

DIRECTION: F ERIE BOUND

LHRS / OFFSET: 10150 / 0

LOCATION: (43.568, -79.601)

DESCRIPTION: ON-RAMP HWY10 SB-QEW WB

CONFIDENCE LEVEL: 95%

HOUR-ENDING	MON		TUE		WED		THU		FRI		SAT		SUN	
	09-Sep-19		10-Sep-19		11-Sep-19		12-Sep-19		13-Sep-19		14-Sep-19		15-Sep-19	
	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2
	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops
01:00	40	52	31	73	9	73	34	73	39	92	69	179	99	203
02:00	15	43	9	32	11	41	6	47	32	54	52	105	71	115
03:00	4	20	8	22	10	36	11	30	28	31	54	63	64	89
04:00	10	21	12	32	10	28	10	37	11	45	21	40	33	56
05:00	30	50	29	49	24	48	28	53	28	48	18	36	22	49
06:00	78	176	89	182	101	187	109	171	83	202	35	89	26	47
07:00	154	426	142	392	150	417	142	417	132	392	66	192	52	106
08:00	178	843	217	877	203	818	195	816	187	803	114	349	61	200
09:00	172	907	197	930	175	912	182	922	181	923	156	538	117	286
10:00	171	585	210	645	166	628	167	632	180	658	240	642	159	385
11:00	201	505	178	536	180	564	208	580	215	576	245	668	205	500
12:00	191	544	203	602	194	635	240	622	233	640	244	678	223	583
13:00	216	558	203	616	223	554	212	636	271	641	232	704	181	597
14:00	175	658	167	665	199	649	210	628	238	648	222	735	169	579
15:00	185	707	212	738	225	749	225	801	239	835	199	809	147	667
16:00	192	964	236	968	207	1058	243	1011	205	1107	229	765	204	643
17:00	201	1117	199	1036	181	1203	182	1191	190	1154	226	703	206	672
18:00	192	1158	204	1336	194	1093	186	1167	183	997	223	625	175	595
19:00	178	860	155	940	145	1149	171	892	209	821	157	560	141	542
20:00	167	683	176	636	188	684	170	701	186	641	175	570	154	536
21:00	150	451	148	451	159	554	160	544	165	477	149	431	133	359
22:00	111	347	126	343	117	396	136	382	123	438	168	386	95	255
23:00	79	211	92	236	123	242	79	253	114	305	203	345	67	194
23:59	54	132	49	151	50	126	82	160	92	225	128	252	49	111

24 Hr Total	3,144	12,018	3,292	12,488	3,244	12,844	3,388	12,766	3,564	12,753	3,625	10,464	2,853	8,369
A.M. Total	1,244	4,172	1,325	4,372	1,233	4,387	1,332	4,400	1,349	4,464	1,314	3,579	1,132	2,619
P.M. Total	1,900	7,846	1,967	8,116	2,011	8,457	2,056	8,366	2,215	8,289	2,311	6,885	1,721	5,750
Noon-Noon			3,225	12,218	3,200	12,503	3,343	12,857	3,405	12,830	3,529	11,868	3,443	9,504
Highest Hour Starting	12:00	17:00	15:00	17:00	14:00	16:00	15:00	16:00	12:00	16:00	10:00	14:00	11:00	16:00
Highest Hour Volume	216	1,158	236	1,336	225	1,203	243	1,191	271	1,154	245	809	223	672
VDS 1 ADT =		3,301	VDS 2 ADT =		11,672	VDS1 AWD =		3,293	VDS2 AWD =		12,602			

ADT (Average Daily Traffic)-The average daily volume of the days being displayed

LHRS (Linear Highway Reference

AWD (Average Weekday Traffic) - The average weekday traffic based on data taken from Monday @noon to Friday @noon.

SEVEN DAY HOURLY REPORT

Station 1:

QEWRE0260RER

HIGHWAY: QEW

STREAM: SINGLE ROADWAY

DIRECTION: TOR BOUND

LHRS / OFFSET: 10150 / 0

LOCATION: (43.569, -79.599)

DESCRIPTION: ON-RAMP HWY 10 NB-QEW EB

Station 2:

QEWDE0470DNR

HIGHWAY: QEW

STREAM: OTHER

DIRECTION: F ERIE BOUND

LHRS / OFFSET: 10150 / 0

LOCATION: (43.569, -79.599)

DESCRIPTION: OFF-RAMP QEW WB-HWY 10

CONFIDENCE LEVEL: 95%

HOUR-ENDING	MON		TUE		WED		THU		FRI		SAT		SUN	
	09-Sep-19		10-Sep-19		11-Sep-19		12-Sep-19		13-Sep-19		14-Sep-19		15-Sep-19	
	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2	VDS1	VDS2
	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops	Loops
01:00	71	211	76	222	86	197	83	253	102	307	151	433	179	495
02:00	40	100	50	116	40	131	41	112	56	168	119	278	162	353
03:00	42	82	45	69	42	101	62	90	54	118	83	240	108	291
04:00	55	44	52	60	58	61	53	50	51	55	67	188	74	225
05:00	104	50	102	50	109	56	101	59	96	62	72	121	73	146
06:00	354	123	367	118	344	100	377	97	351	124	113	116	80	109
07:00	387	397	428	380	411	377	382	410	390	415	251	197	147	152
08:00	350	543	387	586	364	511	363	510	351	579	311	351	200	262
09:00	259	483	338	491	334	437	334	452	297	602	429	476	234	323
10:00	349	736	364	738	359	745	350	495	363	696	508	686	387	399
11:00	371	624	372	649	348	616	385	673	432	640	475	644	458	511
12:00	415	637	435	680	381	679	432	745	484	682	391	606	376	509
13:00	390	705	405	757	388	667	394	681	417	823	416	753	386	653
14:00	384	682	409	754	446	719	439	736	413	704	461	739	346	617
15:00	420	616	409	677	407	640	478	609	463	606	424	680	385	630
16:00	433	482	451	570	426	412	499	467	416	361	427	713	409	639
17:00	446	344	456	303	449	302	419	312	476	350	430	737	448	622
18:00	374	314	367	250	305	223	383	321	406	342	439	779	367	642
19:00	355	395	385	386	323	398	388	446	410	571	334	798	360	661
20:00	383	768	399	765	382	719	405	829	453	850	406	820	371	676
21:00	368	747	374	748	349	626	365	858	414	804	347	804	382	672
22:00	329	541	318	680	324	601	389	686	381	635	421	683	335	539
23:00	234	424	254	454	282	527	285	607	354	557	407	684	222	430
23:59	191	359	151	453	147	407	166	443	247	571	299	661	114	324

24 Hr Total	7,104	10,407	7,394	10,956	7,104	10,252	7,573	10,941	7,877	11,622	7,781	13,187	6,603	10,880
A.M. Total	2,797	4,030	3,016	4,159	2,876	4,011	2,963	3,946	3,027	4,448	2,970	4,336	2,478	3,775
P.M. Total	4,307	6,377	4,378	6,797	4,228	6,241	4,610	6,995	4,850	7,174	4,811	8,851	4,125	7,105
Noon-Noon			7,323	10,536	7,254	10,808	7,191	10,187	7,637	11,443	7,820	11,510	7,289	12,626
Highest Hour Starting	16:00	19:00	16:00	19:00	16:00	09:00	15:00	20:00	11:00	19:00	09:00	19:00	10:00	19:00
Highest Hour Volume	446	768	456	765	449	745	499	858	484	850	508	820	458	676
VDS 1 ADT =		7,348	VDS 2 ADT =		11,178	VDS1 AWD =		7,351	VDS2 AWD =		10,744			

ADT (Average Daily Traffic)-The average daily volume of the days being displayed

LHRS (Linear Highway Reference

AWD (Average Weekday Traffic) - The average weekday traffic based on data taken from Monday @noon to Friday @noon.

Receiver
Name: South Facade
ID: f_
X: 17613192.70 m
Y: 4824851.92 m
Z: 7.00 m

Point Source, ISO 9613, Name: "TPSS", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)
1	17613215.37	4824789.48	4.28	0	DEN	500	81.0	0.0	0.0	0.0	0.0	47.5	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	36.4

Line Source, ISO 9613, Name: "Hurontario LRT", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)
3	17613117.32	4824808.54	4.46	0	D	500	72.6	14.0	0.0	0.0	0.0	49.8	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	37.6
3	17613117.32	4824808.54	4.46	0	N	500	67.6	14.0	0.0	0.0	0.0	49.8	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	32.6
4	17613137.40	4824793.59	4.38	0	D	500	72.6	14.0	0.0	0.0	0.0	49.1	0.2	-1.1	0.0	0.0	0.0	0.0	0.0	38.4
4	17613137.40	4824793.59	4.38	0	N	500	67.6	14.0	0.0	0.0	0.0	49.1	0.2	-1.1	0.0	0.0	0.0	0.0	0.0	33.4
5	17613157.48	4824778.64	4.31	0	D	500	72.6	14.0	0.0	0.0	0.0	49.2	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	38.5
5	17613157.48	4824778.64	4.31	0	N	500	67.6	14.0	0.0	0.0	0.0	49.2	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	33.5
6	17613177.56	4824763.69	4.23	0	D	500	72.6	14.0	0.0	0.0	0.0	50.1	0.2	-2.9	0.0	0.0	0.0	0.0	0.0	39.3
6	17613177.56	4824763.69	4.23	0	N	500	67.6	14.0	0.0	0.0	0.0	50.1	0.2	-2.9	0.0	0.0	0.0	0.0	0.0	34.3
8	17613052.20	4824861.08	4.50	0	D	500	72.6	15.5	0.0	0.0	0.0	54.0	0.3	-2.6	0.0	0.0	5.1	0.0	0.0	31.4
8	17613052.20	4824861.08	4.50	0	N	500	67.6	15.5	0.0	0.0	0.0	54.0	0.3	-2.6	0.0	0.0	5.1	0.0	0.0	26.4
11	17613086.56	4824832.96	4.50	0	D	500	72.6	17.3	0.0	0.0	0.0	51.7	0.2	-1.8	0.0	0.0	0.0	0.0	0.0	39.9
11	17613086.56	4824832.96	4.50	0	N	500	67.6	17.3	0.0	0.0	0.0	51.7	0.2	-1.8	0.0	0.0	0.0	0.0	0.0	34.8
13	17613205.01	4824741.93	4.07	0	D	500	72.6	16.5	0.0	0.0	0.0	51.9	0.2	-3.0	0.0	0.0	0.0	0.0	0.0	40.1
13	17613205.01	4824741.93	4.07	0	N	500	67.6	16.5	0.0	0.0	0.0	51.9	0.2	-3.0	0.0	0.0	0.0	0.0	0.0	35.1
15	17613239.81	4824713.37	3.84	0	D	500	72.6	16.5	0.0	0.0	0.0	54.3	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	37.6
15	17613239.81	4824713.37	3.84	0	N	500	67.6	16.5	0.0	0.0	0.0	54.3	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	32.6
19	17612984.33	4824938.51	4.13	0	D	500	72.6	17.6	0.0	0.0	0.0	58.1	0.4	-2.6	0.0	0.0	9.4	0.0	0.0	24.9
19	17612984.33	4824938.51	4.13	0	N	500	67.6	17.6	0.0	0.0	0.0	58.1	0.4	-2.6	0.0	0.0	9.4	0.0	0.0	19.9
20	17613020.48	4824894.33	4.38	0	D	500	72.6	17.6	0.0	0.0	0.0	56.0	0.3	-2.6	0.0	0.0	7.2	0.0	0.0	29.3
20	17613020.48	4824894.33	4.38	0	N	500	67.6	17.6	0.0	0.0	0.0	56.0	0.3	-2.6	0.0	0.0	7.2	0.0	0.0	24.3
21	17613278.19	4824675.44	3.52	0	D	500	72.6	18.0	0.0	0.0	0.0	56.9	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	36.4
21	17613278.19	4824675.44	3.52	0	N	500	67.6	18.0	0.0	0.0	0.0	56.9	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	31.4
23	17612931.89	4825009.24	3.74	0	D	500	72.6	20.8	0.0	0.0	0.0	60.7	0.6	-3.1	0.0	0.0	11.3	0.0	0.0	24.0
23	17612931.89	4825009.24	3.74	0	N	500	67.6	20.8	0.0	0.0	0.0	60.7	0.6	-3.1	0.0	0.0	11.3	0.0	0.0	19.0
29	17612870.76	4825089.57	3.30	0	D	500	72.6	19.2	0.0	0.0	0.0	63.0	0.8	-3.7	0.0	0.0	12.3	0.0	0.0	19.5
29	17612870.76	4825089.57	3.30	0	N	500	67.6	19.2	0.0	0.0	0.0	63.0	0.8	-3.7	0.0	0.0	12.3	0.0	0.0	14.5

Road, TNM, Name: "QEW", ID: "a_"

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB(A)	dB(A)
139	17613158.27	4824969.20	3.66	0	D	A	73.7	-20.8	0.0	33.4	0.0	0.0	19.4
139	17613158.27	4824969.20	3.66	0	N	A	68.3	-20.8	0.0	33.4	0.0	0.0	14.1
142	17613140.08	4824945.41	3.66	0	D	A	73.7	-18.4	0.0	37.4	0.0	0.0	17.8
142	17613140.08	4824945.41	3.66	0	N	A	68.3	-18.4	0.0	37.4	0.0	0.0	12.4
146	17613119.22	4824918.13	3.66	0	D	A	73.7	-17.7	0.0	37.4	0.0	0.0	18.5
146	17613119.22	4824918.13	3.66	0	N	A	68.3	-17.7	0.0	37.4	0.0	0.0	13.1
150	17613098.36	4824890.85	3.66	0	D	A	73.7	-18.0	0.0	36.9	0.0	0.0	18.8
150	17613098.36	4824890.85	3.66	0	N	A	68.3	-18.0	0.0	36.9	0.0	0.0	13.4
160	17613077.50	4824863.57	3.66	0	D	A	73.7	-19.1	0.0	36.2	0.0	0.0	18.4
160	17613077.50	4824863.57	3.66	0	N	A	68.3	-19.1	0.0	36.2	0.0	0.0	13.0
162	17613050.13	4824827.78	3.67	0	D	A	73.7	-18.8	0.0	-0.6	0.0	0.0	55.4
162	17613050.13	4824827.78	3.67	0	N	A	68.3	-18.8	0.0	-0.6	0.0	0.0	50.1
164	17613016.26	4824783.48	3.67	0	D	A	73.7	-21.2	0.0	0.4	0.0	0.0	52.1
164	17613016.26	4824783.48	3.67	0	N	A	68.3	-21.2	0.0	0.4	0.0	0.0	46.7
166	17612965.45	4824717.03	3.67	0	D	A	73.7	-20.9	0.0	1.0	0.0	0.0	51.7
166	17612965.45	4824717.03	3.67	0	N	A	68.3	-20.9	0.0	1.0	0.0	0.0	46.3
168	17612897.70	4824628.42	3.68	0	D	A	73.7	-23.9	0.0	1.6	0.0	0.0	48.1
168	17612897.70	4824628.42	3.68	0	N	A	68.3	-23.9	0.0	1.6	0.0	0.0	42.8

Road, TNM, Name: "QEW", ID: "a_"													
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
169	17612829.95	4824539.82	3.69	0	D	A	73.7	-26.2	0.0	1.8	0.0	0.0	45.6
169	17612829.95	4824539.82	3.69	0	N	A	68.3	-26.2	0.0	1.8	0.0	0.0	40.2
275	17613153.58	4825004.23	3.66	0	D	A	73.7	-24.4	0.0	31.7	0.0	0.0	17.6
275	17613153.58	4825004.23	3.66	0	N	A	68.3	-24.4	0.0	31.7	0.0	0.0	12.2
281	17613143.85	4824991.51	3.66	0	D	A	73.7	-25.3	0.0	34.6	0.0	0.0	13.8
285	17613126.73	4824969.11	3.66	0	D	A	73.7	-19.4	0.0	36.6	0.0	0.0	17.7
285	17613126.73	4824969.11	3.66	0	N	A	68.3	-19.4	0.0	36.6	0.0	0.0	12.3
288	17613100.58	4824934.92	3.66	0	D	A	73.7	-18.7	0.0	36.5	0.0	0.0	18.4
288	17613100.58	4824934.92	3.66	0	N	A	68.3	-18.7	0.0	36.5	0.0	0.0	13.0
294	17613074.44	4824900.72	3.66	0	D	A	73.7	-19.0	0.0	36.2	0.0	0.0	18.5
294	17613074.44	4824900.72	3.66	0	N	A	68.3	-19.0	0.0	36.2	0.0	0.0	13.1
298	17613048.29	4824866.52	3.67	0	D	A	73.7	-20.0	0.0	35.3	0.0	0.0	18.3
298	17613048.29	4824866.52	3.67	0	N	A	68.3	-20.0	0.0	35.3	0.0	0.0	13.0
300	17613019.03	4824828.26	3.67	0	D	A	73.7	-20.7	0.0	-0.2	0.0	0.0	53.1
300	17613019.03	4824828.26	3.67	0	N	A	68.3	-20.7	0.0	-0.2	0.0	0.0	47.7
302	17612986.65	4824785.92	3.67	0	D	A	73.7	-22.5	0.0	0.6	0.0	0.0	50.5
302	17612986.65	4824785.92	3.67	0	N	A	68.3	-22.5	0.0	0.6	0.0	0.0	45.1
304	17612938.09	4824722.41	3.68	0	D	A	73.7	-21.9	0.0	1.0	0.0	0.0	50.8
304	17612938.09	4824722.41	3.68	0	N	A	68.3	-21.9	0.0	1.0	0.0	0.0	45.4
306	17612840.97	4824595.39	3.68	0	D	A	73.7	-22.4	0.0	1.7	0.0	0.0	49.5
306	17612840.97	4824595.39	3.68	0	N	A	68.3	-22.4	0.0	1.7	0.0	0.0	44.2
403	17613162.60	4824974.87	5.08	0	D	A	71.6	-24.7	0.0	30.2	0.0	0.0	16.7
403	17613162.60	4824974.87	5.08	0	N	A	66.2	-24.7	0.0	30.2	0.0	0.0	11.3
407	17613154.84	4824964.72	5.08	0	D	A	71.6	-23.1	0.0	34.9	0.0	0.0	13.6
409	17613140.08	4824945.41	5.08	0	D	A	71.6	-18.4	0.0	36.1	0.0	0.0	17.1
409	17613140.08	4824945.41	5.08	0	N	A	66.2	-18.4	0.0	36.1	0.0	0.0	11.8
411	17613119.22	4824918.13	5.09	0	D	A	71.6	-17.7	0.0	36.2	0.0	0.0	17.7
411	17613119.22	4824918.13	5.09	0	N	A	66.2	-17.7	0.0	36.2	0.0	0.0	12.3
412	17613098.36	4824890.85	5.09	0	D	A	71.6	-18.0	0.0	35.3	0.0	0.0	18.4
412	17613098.36	4824890.85	5.09	0	N	A	66.2	-18.0	0.0	35.3	0.0	0.0	13.0
416	17613077.50	4824863.57	5.09	0	D	A	71.6	-19.1	0.0	35.5	0.0	0.0	17.1
416	17613077.50	4824863.57	5.09	0	N	A	66.2	-19.1	0.0	35.5	0.0	0.0	11.7
417	17613050.13	4824827.78	5.09	0	D	A	71.6	-18.8	0.0	-0.5	0.0	0.0	53.3
417	17613050.13	4824827.78	5.09	0	N	A	66.2	-18.8	0.0	-0.5	0.0	0.0	47.9
419	17613016.26	4824783.48	5.10	0	D	A	71.6	-21.2	0.0	0.8	0.0	0.0	49.7
419	17613016.26	4824783.48	5.10	0	N	A	66.2	-21.2	0.0	0.8	0.0	0.0	44.3
420	17612965.45	4824717.03	5.10	0	D	A	71.6	-20.9	0.0	0.9	0.0	0.0	49.8
420	17612965.45	4824717.03	5.10	0	N	A	66.2	-20.9	0.0	0.9	0.0	0.0	44.4
422	17612897.70	4824628.42	5.11	0	D	A	71.6	-23.9	0.0	0.7	0.0	0.0	47.0
422	17612897.70	4824628.42	5.11	0	N	A	66.2	-23.9	0.0	0.7	0.0	0.0	41.6
425	17612829.95	4824539.82	5.11	0	D	A	71.6	-26.2	0.0	0.3	0.0	0.0	45.1
425	17612829.95	4824539.82	5.11	0	N	A	66.2	-26.2	0.0	0.3	0.0	0.0	39.7
499	17613149.53	4824998.94	5.08	0	D	A	71.6	-21.8	0.0	29.6	0.0	0.0	20.3
499	17613149.53	4824998.94	5.08	0	N	A	66.2	-21.8	0.0	29.6	0.0	0.0	14.9
501	17613126.73	4824969.11	5.08	0	D	A	71.6	-19.4	0.0	35.8	0.0	0.0	16.4
501	17613126.73	4824969.11	5.08	0	N	A	66.2	-19.4	0.0	35.8	0.0	0.0	11.0
504	17613100.58	4824934.92	5.09	0	D	A	71.6	-18.7	0.0	35.5	0.0	0.0	17.5
504	17613100.58	4824934.92	5.09	0	N	A	66.2	-18.7	0.0	35.5	0.0	0.0	12.1
508	17613074.44	4824900.72	5.09	0	D	A	71.6	-19.0	0.0	35.3	0.0	0.0	17.4
508	17613074.44	4824900.72	5.09	0	N	A	66.2	-19.0	0.0	35.3	0.0	0.0	12.0
509	17613048.29	4824866.52	5.09	0	D	A	71.6	-20.0	0.0	34.1	0.0	0.0	17.4
509	17613048.29	4824866.52	5.09	0	N	A	66.2	-20.0	0.0	34.1	0.0	0.0	12.1
510	17613019.03	4824828.26	5.09	0	D	A	71.6	-20.7	0.0	0.3	0.0	0.0	50.6
510	17613019.03	4824828.26	5.09	0	N	A	66.2	-20.7	0.0	0.3	0.0	0.0	45.2
511	17612986.65	4824785.92	5.10	0	D	A	71.6	-22.5	0.0	0.8	0.0	0.0	48.2
511	17612986.65	4824785.92	5.10	0	N	A	66.2	-22.5	0.0	0.8	0.0	0.0	42.9
513	17612938.09	4824722.41	5.10	0	D	A	71.6	-21.9	0.0	0.5	0.0	0.0	49.2
513	17612938.09	4824722.41	5.10	0	N	A	66.2	-21.9	0.0	0.5	0.0	0.0	43.8
514	17612840.97	4824595.39	5.11	0	D	A	71.6	-22.4	0.0	0.4	0.0	0.0	48.8
514	17612840.97	4824595.39	5.11	0	N	A	66.2	-22.4	0.0	0.4	0.0	0.0	43.4
585	17613158.27	4824969.20	7.22	0	D	A	57.7	-20.8	0.0	25.8	0.0	0.0	11.1
595	17613050.13	4824827.78	7.23	0	D	A	57.7	-18.8	0.0	-0.5	0.0	0.0	39.5
595	17613050.13	4824827.78	7.23	0	N	A	52.4	-18.8	0.0	-0.5	0.0	0.0	34.1

Road, TNM, Name: "QEW", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
596	17613016.26	4824783.48	7.23	0	D	A	57.7	-21.2	0.0	-0.8	0.0	0.0	37.4
596	17613016.26	4824783.48	7.23	0	N	A	52.4	-21.2	0.0	-0.8	0.0	0.0	32.0
598	17612965.45	4824717.03	7.23	0	D	A	57.7	-20.9	0.0	-0.3	0.0	0.0	37.1
598	17612965.45	4824717.03	7.23	0	N	A	52.4	-20.9	0.0	-0.3	0.0	0.0	31.7
599	17612897.70	4824628.42	7.24	0	D	A	57.7	-23.9	0.0	0.6	0.0	0.0	33.2
599	17612897.70	4824628.42	7.24	0	N	A	52.4	-23.9	0.0	0.6	0.0	0.0	27.8
601	17612829.95	4824539.82	7.25	0	D	A	57.7	-26.2	0.0	0.9	0.0	0.0	30.6
601	17612829.95	4824539.82	7.25	0	N	A	52.4	-26.2	0.0	0.9	0.0	0.0	25.2
699	17613019.03	4824828.26	7.23	0	D	A	57.7	-20.7	0.0	-0.5	0.0	0.0	37.6
699	17613019.03	4824828.26	7.23	0	N	A	52.4	-20.7	0.0	-0.5	0.0	0.0	32.2
701	17612986.65	4824785.92	7.23	0	D	A	57.7	-22.5	0.0	-0.7	0.0	0.0	35.9
701	17612986.65	4824785.92	7.23	0	N	A	52.4	-22.5	0.0	-0.7	0.0	0.0	30.5
702	17612938.09	4824722.41	7.24	0	D	A	57.7	-21.9	0.0	0.0	0.0	0.0	35.8
702	17612938.09	4824722.41	7.24	0	N	A	52.4	-21.9	0.0	0.0	0.0	0.0	30.5
703	17612840.97	4824595.39	7.24	0	D	A	57.7	-22.4	0.0	0.9	0.0	0.0	34.5
703	17612840.97	4824595.39	7.24	0	N	A	52.4	-22.4	0.0	0.9	0.0	0.0	29.1

Road, TNM, Name: "HWY 10 ", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
704	17613196.92	4824752.42	2.23	0	D	A	60.5	-16.2	0.0	-4.4	0.0	0.0	48.7
704	17613196.92	4824752.42	2.23	0	N	A	50.8	-16.2	0.0	-4.4	0.0	0.0	39.0
706	17613233.22	4824720.28	1.96	0	D	A	60.5	-19.0	0.0	-4.1	0.0	0.0	45.6
706	17613233.22	4824720.28	1.96	0	N	A	50.8	-19.0	0.0	-4.1	0.0	0.0	35.9
707	17613287.67	4824672.05	1.56	0	D	A	60.5	-19.2	0.0	-3.5	0.0	0.0	44.8
707	17613287.67	4824672.05	1.56	0	N	A	50.8	-19.2	0.0	-3.5	0.0	0.0	35.1
708	17613190.29	4824744.94	2.23	0	D	A	60.5	-16.8	0.0	-4.3	0.0	0.0	48.0
708	17613190.29	4824744.94	2.23	0	N	A	50.8	-16.8	0.0	-4.3	0.0	0.0	38.3
709	17613226.59	4824712.79	1.96	0	D	A	60.5	-19.3	0.0	-4.0	0.0	0.0	45.2
709	17613226.59	4824712.79	1.96	0	N	A	50.8	-19.3	0.0	-4.0	0.0	0.0	35.5
711	17613281.04	4824664.57	1.56	0	D	A	60.5	-19.4	0.0	-3.5	0.0	0.0	44.6
711	17613281.04	4824664.57	1.56	0	N	A	50.8	-19.4	0.0	-3.5	0.0	0.0	34.9
713	17613196.92	4824752.42	3.66	0	D	A	58.8	-16.2	0.0	-0.9	0.0	0.0	43.5
713	17613196.92	4824752.42	3.66	0	N	A	49.1	-16.2	0.0	-0.9	0.0	0.0	33.8
714	17613233.22	4824720.28	3.39	0	D	A	58.8	-19.0	0.0	-2.0	0.0	0.0	41.8
714	17613233.22	4824720.28	3.39	0	N	A	49.1	-19.0	0.0	-2.0	0.0	0.0	32.1
716	17613287.67	4824672.05	2.99	0	D	A	58.8	-19.2	0.0	-2.8	0.0	0.0	42.4
716	17613287.67	4824672.05	2.99	0	N	A	49.1	-19.2	0.0	-2.8	0.0	0.0	32.7
717	17613190.29	4824744.94	3.66	0	D	A	58.8	-16.8	0.0	-1.2	0.0	0.0	43.1
717	17613190.29	4824744.94	3.66	0	N	A	49.1	-16.8	0.0	-1.2	0.0	0.0	33.4
718	17613226.59	4824712.79	3.39	0	D	A	58.8	-19.3	0.0	-2.1	0.0	0.0	41.5
718	17613226.59	4824712.79	3.39	0	N	A	49.1	-19.3	0.0	-2.1	0.0	0.0	31.8
719	17613281.04	4824664.57	2.99	0	D	A	58.8	-19.4	0.0	-2.8	0.0	0.0	42.2
719	17613281.04	4824664.57	2.99	0	N	A	49.1	-19.4	0.0	-2.8	0.0	0.0	32.5
725	17613129.81	4824803.06	2.54	0	D	A	60.5	-15.2	0.0	-4.5	0.0	0.0	49.8
725	17613129.81	4824803.06	2.54	0	N	A	50.8	-15.2	0.0	-4.5	0.0	0.0	40.1
726	17613154.08	4824785.95	2.45	0	D	A	60.5	-17.9	0.0	-4.5	0.0	0.0	47.2
726	17613154.08	4824785.95	2.45	0	N	A	50.8	-17.9	0.0	-4.5	0.0	0.0	37.5
727	17613170.25	4824774.54	2.39	0	D	A	60.5	-18.3	0.0	-4.5	0.0	0.0	46.7
727	17613170.25	4824774.54	2.39	0	N	A	50.8	-18.3	0.0	-4.5	0.0	0.0	37.0
729	17613124.05	4824794.89	2.54	0	D	A	60.5	-16.2	0.0	-4.5	0.0	0.0	48.7
729	17613124.05	4824794.89	2.54	0	N	A	50.8	-16.2	0.0	-4.5	0.0	0.0	39.0
730	17613156.40	4824772.08	2.42	0	D	A	60.5	-16.1	0.0	-4.5	0.0	0.0	48.9
730	17613156.40	4824772.08	2.42	0	N	A	50.8	-16.1	0.0	-4.5	0.0	0.0	39.2
732	17613058.80	4824866.88	2.59	0	D	A	60.5	-18.8	0.0	29.9	0.0	0.0	11.8
733	17613085.86	4824841.06	2.59	0	D	A	60.5	-19.6	0.0	-4.3	0.0	0.0	45.2
733	17613085.86	4824841.06	2.59	0	N	A	50.8	-19.6	0.0	-4.3	0.0	0.0	35.5
734	17613104.75	4824823.02	2.60	0	D	A	60.5	-18.3	0.0	-4.4	0.0	0.0	46.6
734	17613104.75	4824823.02	2.60	0	N	A	50.8	-18.3	0.0	-4.4	0.0	0.0	36.9
736	17613048.23	4824863.15	2.58	0	D	A	60.5	-20.5	0.0	29.5	0.0	0.0	10.5
738	17613073.45	4824839.08	2.59	0	D	A	60.5	-19.8	0.0	-4.2	0.0	0.0	44.9
738	17613073.45	4824839.08	2.59	0	N	A	50.8	-19.8	0.0	-4.2	0.0	0.0	35.3
739	17613096.01	4824817.54	2.60	0	D	A	60.5	-18.4	0.0	-4.4	0.0	0.0	46.4

Road, TNM, Name: "HWY 10 ", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
739	17613096.01	4824817.54	2.60	0	N	A	50.8	-18.4	0.0	-4.4	0.0	0.0	36.7
751	17613129.81	4824803.06	3.97	0	D	A	58.8	-15.2	0.0	-0.1	0.0	0.0	43.6
751	17613129.81	4824803.06	3.97	0	N	A	49.1	-15.2	0.0	-0.1	0.0	0.0	34.0
752	17613154.08	4824785.95	3.88	0	D	A	58.8	-17.9	0.0	0.3	0.0	0.0	40.6
752	17613154.08	4824785.95	3.88	0	N	A	49.1	-17.9	0.0	0.3	0.0	0.0	30.9
755	17613170.25	4824774.54	3.82	0	D	A	58.8	-18.3	0.0	0.0	0.0	0.0	40.4
755	17613170.25	4824774.54	3.82	0	N	A	49.1	-18.3	0.0	0.0	0.0	0.0	30.8
756	17613124.05	4824794.89	3.97	0	D	A	58.8	-16.2	0.0	-0.4	0.0	0.0	43.0
756	17613124.05	4824794.89	3.97	0	N	A	49.1	-16.2	0.0	-0.4	0.0	0.0	33.3
758	17613156.40	4824772.08	3.85	0	D	A	58.8	-16.1	0.0	-0.5	0.0	0.0	43.2
758	17613156.40	4824772.08	3.85	0	N	A	49.1	-16.1	0.0	-0.5	0.0	0.0	33.5
764	17613085.86	4824841.06	4.02	0	D	A	58.8	-19.6	0.0	-0.9	0.0	0.0	40.1
764	17613085.86	4824841.06	4.02	0	N	A	49.1	-19.6	0.0	-0.9	0.0	0.0	30.5
766	17613104.75	4824823.02	4.02	0	D	A	58.8	-18.3	0.0	-0.4	0.0	0.0	40.9
766	17613104.75	4824823.02	4.02	0	N	A	49.1	-18.3	0.0	-0.4	0.0	0.0	31.2
771	17613073.45	4824839.08	4.02	0	D	A	58.8	-19.8	0.0	-1.3	0.0	0.0	40.3
771	17613073.45	4824839.08	4.02	0	N	A	49.1	-19.8	0.0	-1.3	0.0	0.0	30.6
773	17613096.01	4824817.54	4.02	0	D	A	58.8	-18.4	0.0	-0.8	0.0	0.0	41.1
773	17613096.01	4824817.54	4.02	0	N	A	49.1	-18.4	0.0	-0.8	0.0	0.0	31.4
911	17613020.59	4824907.80	2.44	0	D	A	60.5	-20.1	0.0	28.1	0.0	0.0	12.3
915	17612971.10	4824950.24	2.15	0	D	A	60.5	-22.7	0.0	27.6	0.0	0.0	10.2
920	17613013.00	4824901.30	2.44	0	D	A	60.5	-20.4	0.0	27.9	0.0	0.0	12.2
1171	17613020.59	4824907.80	3.86	0	D	A	58.8	-20.1	0.0	28.2	0.0	0.0	10.5
1175	17613013.00	4824901.30	3.86	0	D	A	58.8	-20.4	0.0	28.1	0.0	0.0	10.3
1675	17613196.92	4824752.42	5.79	0	D	A	43.4	-16.2	0.0	-0.8	0.0	0.0	28.0
1675	17613196.92	4824752.42	5.79	0	N	A	33.8	-16.2	0.0	-0.8	0.0	0.0	18.3
1676	17613233.22	4824720.28	5.52	0	D	A	43.4	-19.0	0.0	-1.4	0.0	0.0	25.9
1676	17613233.22	4824720.28	5.52	0	N	A	33.8	-19.0	0.0	-1.4	0.0	0.0	16.2
1677	17613287.67	4824672.05	5.12	0	D	A	43.4	-19.2	0.0	-1.4	0.0	0.0	25.6
1677	17613287.67	4824672.05	5.12	0	N	A	33.8	-19.2	0.0	-1.4	0.0	0.0	16.0
1678	17613190.29	4824744.94	5.79	0	D	A	43.4	-16.8	0.0	-1.5	0.0	0.0	28.1
1678	17613190.29	4824744.94	5.79	0	N	A	33.8	-16.8	0.0	-1.5	0.0	0.0	18.4
1679	17613226.59	4824712.79	5.52	0	D	A	43.4	-19.3	0.0	-1.4	0.0	0.0	25.5
1679	17613226.59	4824712.79	5.52	0	N	A	33.8	-19.3	0.0	-1.4	0.0	0.0	15.8
1680	17613281.04	4824664.57	5.12	0	D	A	43.4	-19.4	0.0	-1.4	0.0	0.0	25.5
1680	17613281.04	4824664.57	5.12	0	N	A	33.8	-19.4	0.0	-1.4	0.0	0.0	15.8
1707	17613129.81	4824803.06	6.10	0	D	A	43.4	-15.2	0.0	0.2	0.0	0.0	28.0
1707	17613129.81	4824803.06	6.10	0	N	A	33.8	-15.2	0.0	0.2	0.0	0.0	18.3
1708	17613154.08	4824785.95	6.01	0	D	A	43.4	-17.9	0.0	0.0	0.0	0.0	25.6
1708	17613154.08	4824785.95	6.01	0	N	A	33.8	-17.9	0.0	0.0	0.0	0.0	15.9
1709	17613170.25	4824774.54	5.95	0	D	A	43.4	-18.3	0.0	0.3	0.0	0.0	24.8
1709	17613170.25	4824774.54	5.95	0	N	A	33.8	-18.3	0.0	0.3	0.0	0.0	15.1
1712	17613124.05	4824794.89	6.10	0	D	A	43.4	-16.2	0.0	-0.4	0.0	0.0	27.6
1712	17613124.05	4824794.89	6.10	0	N	A	33.8	-16.2	0.0	-0.4	0.0	0.0	18.0
1713	17613156.40	4824772.08	5.98	0	D	A	43.4	-16.1	0.0	0.0	0.0	0.0	27.3
1713	17613156.40	4824772.08	5.98	0	N	A	33.8	-16.1	0.0	0.0	0.0	0.0	17.7
1717	17613085.86	4824841.06	6.15	0	D	A	43.4	-19.6	0.0	-0.4	0.0	0.0	24.3
1717	17613085.86	4824841.06	6.15	0	N	A	33.8	-19.6	0.0	-0.4	0.0	0.0	14.6
1718	17613104.75	4824823.02	6.16	0	D	A	43.4	-18.3	0.0	0.0	0.0	0.0	25.1
1718	17613104.75	4824823.02	6.16	0	N	A	33.8	-18.3	0.0	0.0	0.0	0.0	15.4
1720	17613073.45	4824839.08	6.15	0	D	A	43.4	-19.8	0.0	-0.5	0.0	0.0	24.2
1720	17613073.45	4824839.08	6.15	0	N	A	33.8	-19.8	0.0	-0.5	0.0	0.0	14.5
1721	17613096.01	4824817.54	6.16	0	D	A	43.4	-18.4	0.0	0.1	0.0	0.0	24.9
1721	17613096.01	4824817.54	6.16	0	N	A	33.8	-18.4	0.0	0.1	0.0	0.0	15.2

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
720	17613170.27	4824783.63	4.99	0	D	A	60.7	-15.7	0.0	-0.1	0.0	0.0	45.0
720	17613170.27	4824783.63	4.99	0	N	A	50.6	-15.7	0.0	-0.1	0.0	0.0	34.9
721	17613149.28	4824803.12	5.06	0	D	A	60.7	-14.9	0.0	-0.5	0.0	0.0	46.2
721	17613149.28	4824803.12	5.06	0	N	A	50.6	-14.9	0.0	-0.5	0.0	0.0	36.1
722	17613172.99	4824786.56	4.99	0	D	A	60.7	-15.3	0.0	-0.5	0.0	0.0	45.9

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
722	17613172.99	4824786.56	4.99	0	N	A	50.6	-15.3	0.0	-0.5	0.0	0.0	35.8
724	17613152.01	4824806.05	5.06	0	D	A	60.7	-14.4	0.0	-0.1	0.0	0.0	46.4
724	17613152.01	4824806.05	5.06	0	N	A	50.6	-14.4	0.0	-0.1	0.0	0.0	36.3
747	17613170.27	4824783.63	6.41	0	D	A	59.0	-15.7	0.0	-0.4	0.0	0.0	43.7
747	17613170.27	4824783.63	6.41	0	N	A	48.6	-15.7	0.0	-0.4	0.0	0.0	33.1
748	17613149.28	4824803.12	6.49	0	D	A	59.0	-14.9	0.0	-0.4	0.0	0.0	44.5
748	17613149.28	4824803.12	6.49	0	N	A	48.6	-14.9	0.0	-0.4	0.0	0.0	34.0
749	17613172.99	4824786.56	6.41	0	D	A	59.0	-15.3	0.0	-0.3	0.0	0.0	44.1
749	17613172.99	4824786.56	6.41	0	N	A	48.6	-15.3	0.0	-0.3	0.0	0.0	33.5
750	17613152.01	4824806.05	6.49	0	D	A	59.0	-14.4	0.0	-0.5	0.0	0.0	45.1
750	17613152.01	4824806.05	6.49	0	N	A	48.6	-14.4	0.0	-0.5	0.0	0.0	34.6
903	17613133.21	4824823.43	5.10	0	D	A	60.7	-16.0	0.0	-0.5	0.0	0.0	45.2
903	17613133.21	4824823.43	5.10	0	N	A	50.6	-16.0	0.0	-0.5	0.0	0.0	35.1
904	17613136.76	4824825.26	5.10	0	D	A	60.7	-15.5	0.0	-0.2	0.0	0.0	45.4
904	17613136.76	4824825.26	5.10	0	N	A	50.6	-15.5	0.0	-0.2	0.0	0.0	35.2
990	17613125.08	4824842.26	5.10	0	D	A	60.7	-17.3	0.0	-0.7	0.0	0.0	44.0
990	17613125.08	4824842.26	5.10	0	N	A	50.6	-17.3	0.0	-0.7	0.0	0.0	33.9
993	17613129.07	4824842.93	5.10	0	D	A	60.7	-17.1	0.0	-0.5	0.0	0.0	44.1
993	17613129.07	4824842.93	5.10	0	N	A	50.6	-17.1	0.0	-0.5	0.0	0.0	34.0
1164	17613133.21	4824823.43	6.53	0	D	A	59.0	-16.0	0.0	-0.4	0.0	0.0	43.4
1164	17613133.21	4824823.43	6.53	0	N	A	48.6	-16.0	0.0	-0.4	0.0	0.0	32.9
1165	17613136.76	4824825.26	6.53	0	D	A	59.0	-15.5	0.0	-0.5	0.0	0.0	44.0
1165	17613136.76	4824825.26	6.53	0	N	A	48.6	-15.5	0.0	-0.5	0.0	0.0	33.5
1222	17613125.08	4824842.26	6.52	0	D	A	59.0	-17.3	0.0	-0.2	0.0	0.0	41.9
1222	17613125.08	4824842.26	6.52	0	N	A	48.6	-17.3	0.0	-0.2	0.0	0.0	31.5
1227	17613129.07	4824842.93	6.52	0	D	A	59.0	-17.1	0.0	-0.5	0.0	0.0	42.4
1227	17613129.07	4824842.93	6.52	0	N	A	48.6	-17.1	0.0	-0.5	0.0	0.0	31.9

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
740	17613184.44	4824788.15	2.43	0	D	A	54.3	-14.4	0.0	-4.6	0.0	0.0	44.5
740	17613184.44	4824788.15	2.43	0	N	A	44.6	-14.4	0.0	-4.6	0.0	0.0	34.8
741	17613198.79	4824805.49	2.40	0	D	A	54.3	-14.8	0.0	-4.5	0.0	0.0	44.0
741	17613198.79	4824805.49	2.40	0	N	A	44.6	-14.8	0.0	-4.5	0.0	0.0	34.3
742	17613208.37	4824817.04	2.39	0	D	A	54.3	-13.0	0.0	-4.3	0.0	0.0	45.6
742	17613208.37	4824817.04	2.39	0	N	A	44.6	-13.0	0.0	-4.3	0.0	0.0	35.9
743	17613187.52	4824785.60	2.43	0	D	A	54.3	-14.7	0.0	-4.6	0.0	0.0	44.2
743	17613187.52	4824785.60	2.43	0	N	A	44.6	-14.7	0.0	-4.6	0.0	0.0	34.5
744	17613201.87	4824802.94	2.40	0	D	A	54.3	-15.3	0.0	-4.5	0.0	0.0	43.5
744	17613201.87	4824802.94	2.40	0	N	A	44.6	-15.3	0.0	-4.5	0.0	0.0	33.8
746	17613211.45	4824814.49	2.39	0	D	A	54.3	-13.8	0.0	-4.4	0.0	0.0	44.9
746	17613211.45	4824814.49	2.39	0	N	A	44.6	-13.8	0.0	-4.4	0.0	0.0	35.2
775	17613184.44	4824788.15	3.86	0	D	A	52.5	-14.4	0.0	-0.1	0.0	0.0	38.3
775	17613184.44	4824788.15	3.86	0	N	A	42.8	-14.4	0.0	-0.1	0.0	0.0	28.6
777	17613198.79	4824805.49	3.83	0	D	A	52.5	-14.8	0.0	-2.4	0.0	0.0	40.1
777	17613198.79	4824805.49	3.83	0	N	A	42.8	-14.8	0.0	-2.4	0.0	0.0	30.4
779	17613208.37	4824817.04	3.81	0	D	A	52.5	-13.0	0.0	-3.1	0.0	0.0	42.5
779	17613208.37	4824817.04	3.81	0	N	A	42.8	-13.0	0.0	-3.1	0.0	0.0	32.8
781	17613187.52	4824785.60	3.86	0	D	A	52.5	-14.7	0.0	-0.2	0.0	0.0	37.9
781	17613187.52	4824785.60	3.86	0	N	A	42.8	-14.7	0.0	-0.2	0.0	0.0	28.3
783	17613201.87	4824802.94	3.83	0	D	A	52.5	-15.3	0.0	-2.0	0.0	0.0	39.2
783	17613201.87	4824802.94	3.83	0	N	A	42.8	-15.3	0.0	-2.0	0.0	0.0	29.5
784	17613211.45	4824814.49	3.81	0	D	A	52.5	-13.8	0.0	-2.7	0.0	0.0	41.4
784	17613211.45	4824814.49	3.81	0	N	A	42.8	-13.8	0.0	-2.7	0.0	0.0	31.7
929	17613227.19	4824846.56	2.26	0	D	A	54.3	-12.5	0.0	-4.2	0.0	0.0	46.0
929	17613227.19	4824846.56	2.26	0	N	A	44.6	-12.5	0.0	-4.2	0.0	0.0	36.3
945	17613231.22	4824846.06	2.25	0	D	A	54.3	-13.1	0.0	-4.3	0.0	0.0	45.6
945	17613231.22	4824846.06	2.25	0	N	A	44.6	-13.1	0.0	-4.3	0.0	0.0	35.9
1066	17613216.14	4824827.10	2.35	0	D	A	54.3	-13.5	0.0	-4.2	0.0	0.0	45.0
1066	17613216.14	4824827.10	2.35	0	N	A	44.6	-13.5	0.0	-4.2	0.0	0.0	35.3
1067	17613222.31	4824835.92	2.30	0	D	A	54.3	-13.4	0.0	-4.2	0.0	0.0	45.1
1067	17613222.31	4824835.92	2.30	0	N	A	44.6	-13.4	0.0	-4.2	0.0	0.0	35.4

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1069	17613219.42	4824824.81	2.35	0	D	A	54.3	-14.5	0.0	-4.3	0.0	0.0	44.1
1069	17613219.42	4824824.81	2.35	0	N	A	44.6	-14.5	0.0	-4.3	0.0	0.0	34.5
1071	17613225.59	4824833.62	2.30	0	D	A	54.3	-14.4	0.0	-4.3	0.0	0.0	44.2
1071	17613225.59	4824833.62	2.30	0	N	A	44.6	-14.4	0.0	-4.3	0.0	0.0	34.5
1185	17613227.19	4824846.56	3.68	0	D	A	52.5	-12.5	0.0	-3.3	0.0	0.0	43.3
1185	17613227.19	4824846.56	3.68	0	N	A	42.8	-12.5	0.0	-3.3	0.0	0.0	33.6
1210	17613231.22	4824846.06	3.68	0	D	A	52.5	-13.1	0.0	-3.0	0.0	0.0	42.4
1210	17613231.22	4824846.06	3.68	0	N	A	42.8	-13.1	0.0	-3.0	0.0	0.0	32.7
1444	17613216.14	4824827.10	3.78	0	D	A	52.5	-13.5	0.0	-3.4	0.0	0.0	42.4
1444	17613216.14	4824827.10	3.78	0	N	A	42.8	-13.5	0.0	-3.4	0.0	0.0	32.7
1445	17613222.31	4824835.92	3.73	0	D	A	52.5	-13.4	0.0	-3.4	0.0	0.0	42.5
1445	17613222.31	4824835.92	3.73	0	N	A	42.8	-13.4	0.0	-3.4	0.0	0.0	32.8
1446	17613219.42	4824824.81	3.78	0	D	A	52.5	-14.5	0.0	-3.1	0.0	0.0	41.1
1446	17613219.42	4824824.81	3.78	0	N	A	42.8	-14.5	0.0	-3.1	0.0	0.0	31.4
1448	17613225.59	4824833.62	3.73	0	D	A	52.5	-14.4	0.0	-3.1	0.0	0.0	41.3
1448	17613225.59	4824833.62	3.73	0	N	A	42.8	-14.4	0.0	-3.1	0.0	0.0	31.6
1734	17613184.44	4824788.15	5.99	0	D	A	35.7	-14.4	0.0	-1.6	0.0	0.0	22.9
1734	17613184.44	4824788.15	5.99	0	N	A	26.0	-14.4	0.0	-1.6	0.0	0.0	13.2
1735	17613198.79	4824805.49	5.96	0	D	A	35.7	-14.8	0.0	-2.5	0.0	0.0	23.4
1735	17613198.79	4824805.49	5.96	0	N	A	26.0	-14.8	0.0	-2.5	0.0	0.0	13.8
1736	17613208.37	4824817.04	5.95	0	D	A	35.7	-13.0	0.0	-3.2	0.0	0.0	25.9
1736	17613208.37	4824817.04	5.95	0	N	A	26.0	-13.0	0.0	-3.2	0.0	0.0	16.2
1737	17613187.52	4824785.60	5.99	0	D	A	35.7	-14.7	0.0	-1.9	0.0	0.0	22.9
1737	17613187.52	4824785.60	5.99	0	N	A	26.0	-14.7	0.0	-1.9	0.0	0.0	13.2
1738	17613201.87	4824802.94	5.96	0	D	A	35.7	-15.3	0.0	-2.0	0.0	0.0	22.4
1738	17613201.87	4824802.94	5.96	0	N	A	26.0	-15.3	0.0	-2.0	0.0	0.0	12.7
1739	17613211.45	4824814.49	5.95	0	D	A	35.7	-13.8	0.0	-3.3	0.0	0.0	25.1
1739	17613211.45	4824814.49	5.95	0	N	A	26.0	-13.8	0.0	-3.3	0.0	0.0	15.5
1749	17613227.19	4824846.56	5.82	0	D	A	35.7	-12.5	0.0	-3.5	0.0	0.0	26.6
1749	17613227.19	4824846.56	5.82	0	N	A	26.0	-12.5	0.0	-3.5	0.0	0.0	17.0
1754	17613231.22	4824846.06	5.81	0	D	A	35.7	-13.1	0.0	-3.0	0.0	0.0	25.7
1754	17613231.22	4824846.06	5.81	0	N	A	26.0	-13.1	0.0	-3.0	0.0	0.0	16.0
1782	17613216.14	4824827.10	5.91	0	D	A	35.7	-13.5	0.0	-3.7	0.0	0.0	25.8
1782	17613216.14	4824827.10	5.91	0	N	A	26.0	-13.5	0.0	-3.7	0.0	0.0	16.2
1783	17613222.31	4824835.92	5.86	0	D	A	35.7	-13.4	0.0	-3.8	0.0	0.0	26.1
1783	17613222.31	4824835.92	5.86	0	N	A	26.0	-13.4	0.0	-3.8	0.0	0.0	16.5
1784	17613219.42	4824824.81	5.91	0	D	A	35.7	-14.5	0.0	-3.2	0.0	0.0	24.5
1784	17613219.42	4824824.81	5.91	0	N	A	26.0	-14.5	0.0	-3.2	0.0	0.0	14.8
1785	17613225.59	4824833.62	5.86	0	D	A	35.7	-14.4	0.0	-3.1	0.0	0.0	24.4
1785	17613225.59	4824833.62	5.86	0	N	A	26.0	-14.4	0.0	-3.1	0.0	0.0	14.7

Receiver

Name: West Facade

ID: f_

X: 17613187.39 m

Y: 4824899.93 m

Z: 9.00 m

Point Source, ISO 9613, Name: "TPSS", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2	17613215.37	4824789.48	4.28	0	DEN	500	81.0	0.0	0.0	0.0	0.0	52.2	0.2	-3.0	0.0	0.0	16.0	0.0	0.0	15.6

Line Source, ISO 9613, Name: "Hurontario LRT", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
12	17613127.36	4824801.06	4.42	0	D	500	72.6	17.0	0.0	0.0	0.0	52.3	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	37.8
12	17613127.36	4824801.06	4.42	0	N	500	67.6	17.0	0.0	0.0	0.0	52.3	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	32.7
22	17613167.52	4824771.16	4.27	0	D	500	72.6	17.0	0.0	0.0	0.0	53.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	37.0
22	17613167.52	4824771.16	4.27	0	N	500	67.6	17.0	0.0	0.0	0.0	53.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	31.9
24	17613055.73	4824858.18	4.50	0	D	500	72.6	16.5	0.0	0.0	0.0	53.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	37.6
24	17613055.73	4824858.18	4.50	0	N	500	67.6	16.5	0.0	0.0	0.0	53.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	32.6
35	17613090.09	4824830.07	4.50	0	D	500	72.6	16.5	0.0	0.0	0.0	52.6	0.2	-1.9	0.0	0.0	0.0	0.0	0.0	38.2
35	17613090.09	4824830.07	4.50	0	N	500	67.6	16.5	0.0	0.0	0.0	52.6	0.2	-1.9	0.0	0.0	0.0	0.0	0.0	33.2
36	17612980.49	4824943.21	4.10	0	D	500	72.6	16.5	0.0	0.0	0.0	57.5	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	34.1
36	17612980.49	4824943.21	4.10	0	N	500	67.6	16.5	0.0	0.0	0.0	57.5	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	29.0
41	17613016.63	4824899.03	4.35	0	D	500	72.6	18.4	0.0	0.0	0.0	55.7	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	37.8
41	17613016.63	4824899.03	4.35	0	N	500	67.6	18.4	0.0	0.0	0.0	55.7	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	32.7
51	17613191.97	4824752.63	4.16	0	D	500	72.6	10.5	0.0	0.0	0.0	54.4	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	31.5
51	17613191.97	4824752.63	4.16	0	N	500	67.6	10.5	0.0	0.0	0.0	54.4	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	26.5
52	17613199.85	4824746.17	4.11	0	D	500	72.6	9.6	0.0	0.0	0.0	54.8	0.3	-3.0	0.0	0.0	5.4	0.0	0.0	24.8
52	17613199.85	4824746.17	4.11	0	N	500	67.6	9.6	0.0	0.0	0.0	54.8	0.3	-3.0	0.0	0.0	5.4	0.0	0.0	19.8
53	17613230.28	4824721.19	3.90	0	D	500	72.6	18.4	0.0	0.0	0.0	56.3	0.4	-3.0	0.0	0.0	14.7	0.0	0.0	22.8
53	17613230.28	4824721.19	3.90	0	N	500	67.6	18.4	0.0	0.0	0.0	56.3	0.4	-3.0	0.0	0.0	14.7	0.0	0.0	17.7
61	17612931.89	4825009.24	3.74	0	D	500	72.6	20.8	0.0	0.0	0.0	59.9	0.5	-2.9	0.0	0.0	0.0	0.0	0.0	35.9
61	17612931.89	4825009.24	3.74	0	N	500	67.6	20.8	0.0	0.0	0.0	59.9	0.5	-2.9	0.0	0.0	0.0	0.0	0.0	30.8
63	17613272.82	4824681.50	3.57	0	D	500	72.6	16.7	0.0	0.0	0.0	58.4	0.5	-3.0	0.0	0.0	18.3	0.0	0.0	15.2
63	17613272.82	4824681.50	3.57	0	N	500	67.6	16.7	0.0	0.0	0.0	58.4	0.5	-3.0	0.0	0.0	18.3	0.0	0.0	10.2
66	17612870.76	4825089.57	3.30	0	D	500	72.6	19.2	0.0	0.0	0.0	62.3	0.7	-3.2	0.0	0.0	0.0	0.0	0.0	32.0
66	17612870.76	4825089.57	3.30	0	N	500	67.6	19.2	0.0	0.0	0.0	62.3	0.7	-3.2	0.0	0.0	0.0	0.0	0.0	27.0

Road, TNM, Name: "QEW", ID: "a_"

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
89	17613263.71	4825107.11	3.65	0	D	A	73.7	-20.8	0.0	35.5	0.0	0.0	17.4
89	17613263.71	4825107.11	3.65	0	N	A	68.3	-20.8	0.0	35.5	0.0	0.0	12.0
91	17613226.48	4825058.41	3.65	0	D	A	73.7	-21.2	0.0	35.1	0.0	0.0	17.3
91	17613226.48	4825058.41	3.65	0	N	A	68.3	-21.2	0.0	35.1	0.0	0.0	11.9
93	17613201.65	4825025.94	3.65	0	D	A	73.7	-19.0	0.0	35.5	0.0	0.0	19.2
93	17613201.65	4825025.94	3.65	0	N	A	68.3	-19.0	0.0	35.5	0.0	0.0	13.8
96	17613185.68	4825005.05	3.66	0	D	A	73.7	-22.9	0.0	35.1	0.0	0.0	15.7
96	17613185.68	4825005.05	3.66	0	N	A	68.3	-22.9	0.0	35.1	0.0	0.0	10.3
100	17613181.65	4824999.78	3.66	0	D	A	73.7	-31.2	0.0	28.7	0.0	0.0	13.7
102	17613172.65	4824988.01	3.66	0	D	A	73.7	-17.6	0.0	-5.4	0.0	0.0	61.4
102	17613172.65	4824988.01	3.66	0	N	A	68.3	-17.6	0.0	-5.4	0.0	0.0	56.0
104	17613155.59	4824965.70	3.66	0	D	A	73.7	-15.9	0.0	-6.0	0.0	0.0	63.7
104	17613155.59	4824965.70	3.66	0	N	A	68.3	-15.9	0.0	-6.0	0.0	0.0	58.4
106	17613138.53	4824943.39	3.66	0	D	A	73.7	-15.0	0.0	-5.0	0.0	0.0	63.7
106	17613138.53	4824943.39	3.66	0	N	A	68.3	-15.0	0.0	-5.0	0.0	0.0	58.3
108	17613121.48	4824921.09	3.66	0	D	A	73.7	-15.5	0.0	-4.7	0.0	0.0	62.8
108	17613121.48	4824921.09	3.66	0	N	A	68.3	-15.5	0.0	-4.7	0.0	0.0	57.5
109	17613103.05	4824896.98	3.66	0	D	A	73.7	-16.5	0.0	-1.7	0.0	0.0	58.9
109	17613103.05	4824896.98	3.66	0	N	A	68.3	-16.5	0.0	-1.7	0.0	0.0	53.5
111	17613083.24	4824871.08	3.66	0	D	A	73.7	-18.6	0.0	-1.9	0.0	0.0	56.9

Road, TNM, Name: "QEW", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
111	17613083.24	4824871.08	3.66	0	N	A	68.3	-18.6	0.0	-1.9	0.0	0.0	51.5
112	17613053.54	4824832.23	3.67	0	D	A	73.7	-18.4	0.0	-0.9	0.0	0.0	56.2
112	17613053.54	4824832.23	3.67	0	N	A	68.3	-18.4	0.0	-0.9	0.0	0.0	50.8
113	17613013.93	4824780.43	3.67	0	D	A	73.7	-21.4	0.0	0.2	0.0	0.0	52.1
113	17613013.93	4824780.43	3.67	0	N	A	68.3	-21.4	0.0	0.2	0.0	0.0	46.7
115	17612974.32	4824728.63	3.67	0	D	A	73.7	-23.7	0.0	0.9	0.0	0.0	49.1
115	17612974.32	4824728.63	3.67	0	N	A	68.3	-23.7	0.0	0.9	0.0	0.0	43.7
118	17612914.91	4824650.93	3.68	0	D	A	73.7	-23.2	0.0	1.6	0.0	0.0	48.8
118	17612914.91	4824650.93	3.68	0	N	A	68.3	-23.2	0.0	1.6	0.0	0.0	43.5
120	17612835.69	4824547.32	3.69	0	D	A	73.7	-25.9	0.0	2.2	0.0	0.0	45.6
120	17612835.69	4824547.32	3.69	0	N	A	68.3	-25.9	0.0	2.2	0.0	0.0	40.2
129	17613292.98	4825186.53	3.64	0	D	A	73.7	-22.2	0.0	34.8	0.0	0.0	16.6
129	17613292.98	4825186.53	3.64	0	N	A	68.3	-22.2	0.0	34.8	0.0	0.0	11.3
130	17613241.46	4825119.16	3.65	0	D	A	73.7	-22.6	0.0	35.6	0.0	0.0	15.4
130	17613241.46	4825119.16	3.65	0	N	A	68.3	-22.6	0.0	35.6	0.0	0.0	10.1
132	17613207.12	4825074.25	3.65	0	D	A	73.7	-20.4	0.0	34.7	0.0	0.0	18.6
132	17613207.12	4825074.25	3.65	0	N	A	68.3	-20.4	0.0	34.7	0.0	0.0	13.2
135	17613185.02	4825045.35	3.65	0	D	A	73.7	-24.3	0.0	35.4	0.0	0.0	13.9
140	17613179.45	4825038.06	3.65	0	D	A	73.7	-32.6	0.0	27.5	0.0	0.0	13.5
143	17613167.00	4825021.77	3.66	0	D	A	73.7	-19.1	0.0	-5.2	0.0	0.0	59.8
143	17613167.00	4825021.77	3.66	0	N	A	68.3	-19.1	0.0	-5.2	0.0	0.0	54.4
144	17613143.40	4824990.92	3.66	0	D	A	73.7	-17.4	0.0	-5.2	0.0	0.0	61.6
144	17613143.40	4824990.92	3.66	0	N	A	68.3	-17.4	0.0	-5.2	0.0	0.0	56.2
147	17613119.80	4824960.06	3.66	0	D	A	73.7	-16.4	0.0	-4.8	0.0	0.0	62.0
147	17613119.80	4824960.06	3.66	0	N	A	68.3	-16.4	0.0	-4.8	0.0	0.0	56.6
149	17613096.21	4824929.20	3.66	0	D	A	73.7	-16.9	0.0	-4.0	0.0	0.0	60.7
149	17613096.21	4824929.20	3.66	0	N	A	68.3	-16.9	0.0	-4.0	0.0	0.0	55.3
151	17613074.78	4824901.17	3.66	0	D	A	73.7	-19.1	0.0	-1.9	0.0	0.0	56.4
151	17613074.78	4824901.17	3.66	0	N	A	68.3	-19.1	0.0	-1.9	0.0	0.0	51.0
153	17613055.52	4824875.98	3.66	0	D	A	73.7	-20.6	0.0	-1.8	0.0	0.0	54.8
153	17613055.52	4824875.98	3.66	0	N	A	68.3	-20.6	0.0	-1.8	0.0	0.0	49.4
155	17613026.63	4824838.19	3.67	0	D	A	73.7	-19.7	0.0	-1.1	0.0	0.0	55.0
155	17613026.63	4824838.19	3.67	0	N	A	68.3	-19.7	0.0	-1.1	0.0	0.0	49.6
157	17612968.84	4824762.62	3.67	0	D	A	73.7	-20.1	0.0	0.7	0.0	0.0	52.9
157	17612968.84	4824762.62	3.67	0	N	A	68.3	-20.1	0.0	0.7	0.0	0.0	47.5
159	17612891.79	4824661.85	3.68	0	D	A	73.7	-23.6	0.0	1.6	0.0	0.0	48.4
159	17612891.79	4824661.85	3.68	0	N	A	68.3	-23.6	0.0	1.6	0.0	0.0	43.0
163	17612814.74	4824561.09	3.69	0	D	A	73.7	-26.1	0.0	2.2	0.0	0.0	45.4
163	17612814.74	4824561.09	3.69	0	N	A	68.3	-26.1	0.0	2.2	0.0	0.0	40.0
178	17613263.71	4825107.11	5.07	0	D	A	71.6	-20.8	0.0	33.9	0.0	0.0	17.0
178	17613263.71	4825107.11	5.07	0	N	A	66.2	-20.8	0.0	33.9	0.0	0.0	11.6
181	17613226.48	4825058.41	5.08	0	D	A	71.6	-21.2	0.0	33.0	0.0	0.0	17.4
181	17613226.48	4825058.41	5.08	0	N	A	66.2	-21.2	0.0	33.0	0.0	0.0	12.1
182	17613201.65	4825025.94	5.08	0	D	A	71.6	-19.0	0.0	33.0	0.0	0.0	19.6
182	17613201.65	4825025.94	5.08	0	N	A	66.2	-19.0	0.0	33.0	0.0	0.0	14.2
185	17613185.68	4825005.05	5.08	0	D	A	71.6	-22.9	0.0	34.5	0.0	0.0	14.2
192	17613181.65	4824999.78	5.08	0	D	A	71.6	-31.2	0.0	27.7	0.0	0.0	12.7
194	17613172.65	4824988.01	5.08	0	D	A	71.6	-17.6	0.0	-4.6	0.0	0.0	58.6
194	17613172.65	4824988.01	5.08	0	N	A	66.2	-17.6	0.0	-4.6	0.0	0.0	53.2
197	17613155.59	4824965.70	5.08	0	D	A	71.6	-15.9	0.0	-6.0	0.0	0.0	61.7
197	17613155.59	4824965.70	5.08	0	N	A	66.2	-15.9	0.0	-6.0	0.0	0.0	56.3
200	17613138.53	4824943.39	5.08	0	D	A	71.6	-15.0	0.0	-5.6	0.0	0.0	62.2
200	17613138.53	4824943.39	5.08	0	N	A	66.2	-15.0	0.0	-5.6	0.0	0.0	56.8
203	17613121.48	4824921.09	5.09	0	D	A	71.6	-15.5	0.0	-5.9	0.0	0.0	62.0
203	17613121.48	4824921.09	5.09	0	N	A	66.2	-15.5	0.0	-5.9	0.0	0.0	56.7
205	17613103.05	4824896.98	5.09	0	D	A	71.6	-16.5	0.0	-1.5	0.0	0.0	56.7
205	17613103.05	4824896.98	5.09	0	N	A	66.2	-16.5	0.0	-1.5	0.0	0.0	51.3
208	17613083.24	4824871.08	5.09	0	D	A	71.6	-18.6	0.0	-3.2	0.0	0.0	56.2
208	17613083.24	4824871.08	5.09	0	N	A	66.2	-18.6	0.0	-3.2	0.0	0.0	50.8
209	17613053.54	4824832.23	5.09	0	D	A	71.6	-18.4	0.0	-1.9	0.0	0.0	55.1
209	17613053.54	4824832.23	5.09	0	N	A	66.2	-18.4	0.0	-1.9	0.0	0.0	49.8
211	17613013.93	4824780.43	5.10	0	D	A	71.6	-21.4	0.0	0.3	0.0	0.0	49.9
211	17613013.93	4824780.43	5.10	0	N	A	66.2	-21.4	0.0	0.3	0.0	0.0	44.5

Road, TNM, Name: "QEW", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
212	17612974.32	4824728.63	5.10	0	D	A	71.6	-23.7	0.0	1.2	0.0	0.0	46.8
212	17612974.32	4824728.63	5.10	0	N	A	66.2	-23.7	0.0	1.2	0.0	0.0	41.4
214	17612914.91	4824650.93	5.10	0	D	A	71.6	-23.2	0.0	1.4	0.0	0.0	47.0
214	17612914.91	4824650.93	5.10	0	N	A	66.2	-23.2	0.0	1.4	0.0	0.0	41.6
216	17612835.69	4824547.32	5.11	0	D	A	71.6	-25.9	0.0	1.3	0.0	0.0	44.5
216	17612835.69	4824547.32	5.11	0	N	A	66.2	-25.9	0.0	1.3	0.0	0.0	39.1
221	17613292.98	4825186.53	5.07	0	D	A	71.6	-22.2	0.0	34.8	0.0	0.0	14.6
222	17613241.46	4825119.16	5.07	0	D	A	71.6	-22.6	0.0	34.3	0.0	0.0	14.7
224	17613207.12	4825074.25	5.08	0	D	A	71.6	-20.4	0.0	33.1	0.0	0.0	18.1
224	17613207.12	4825074.25	5.08	0	N	A	66.2	-20.4	0.0	33.1	0.0	0.0	12.7
228	17613185.02	4825045.35	5.08	0	D	A	71.6	-24.3	0.0	32.2	0.0	0.0	15.2
234	17613179.45	4825038.06	5.08	0	D	A	71.6	-32.6	0.0	26.1	0.0	0.0	12.9
236	17613167.00	4825021.77	5.08	0	D	A	71.6	-19.1	0.0	-5.5	0.0	0.0	58.0
236	17613167.00	4825021.77	5.08	0	N	A	66.2	-19.1	0.0	-5.5	0.0	0.0	52.7
239	17613143.40	4824990.92	5.08	0	D	A	71.6	-17.4	0.0	-5.6	0.0	0.0	59.9
239	17613143.40	4824990.92	5.08	0	N	A	66.2	-17.4	0.0	-5.6	0.0	0.0	54.5
242	17613119.80	4824960.06	5.08	0	D	A	71.6	-16.4	0.0	-4.4	0.0	0.0	59.6
242	17613119.80	4824960.06	5.08	0	N	A	66.2	-16.4	0.0	-4.4	0.0	0.0	54.2
244	17613096.21	4824929.20	5.09	0	D	A	71.6	-16.9	0.0	-5.4	0.0	0.0	60.1
244	17613096.21	4824929.20	5.09	0	N	A	66.2	-16.9	0.0	-5.4	0.0	0.0	54.7
246	17613074.78	4824901.17	5.09	0	D	A	71.6	-19.1	0.0	-3.3	0.0	0.0	55.7
246	17613074.78	4824901.17	5.09	0	N	A	66.2	-19.1	0.0	-3.3	0.0	0.0	50.4
249	17613055.52	4824875.98	5.09	0	D	A	71.6	-20.6	0.0	-2.8	0.0	0.0	53.8
249	17613055.52	4824875.98	5.09	0	N	A	66.2	-20.6	0.0	-2.8	0.0	0.0	48.4
250	17613026.63	4824838.19	5.09	0	D	A	71.6	-19.7	0.0	-2.0	0.0	0.0	53.8
250	17613026.63	4824838.19	5.09	0	N	A	66.2	-19.7	0.0	-2.0	0.0	0.0	48.5
254	17612968.84	4824762.62	5.10	0	D	A	71.6	-20.1	0.0	1.0	0.0	0.0	50.5
254	17612968.84	4824762.62	5.10	0	N	A	66.2	-20.1	0.0	1.0	0.0	0.0	45.1
256	17612891.79	4824661.85	5.10	0	D	A	71.6	-23.6	0.0	1.2	0.0	0.0	46.8
256	17612891.79	4824661.85	5.10	0	N	A	66.2	-23.6	0.0	1.2	0.0	0.0	41.5
257	17612814.74	4824561.09	5.11	0	D	A	71.6	-26.1	0.0	1.2	0.0	0.0	44.3
257	17612814.74	4824561.09	5.11	0	N	A	66.2	-26.1	0.0	1.2	0.0	0.0	38.9
292	17613172.65	4824988.01	7.22	0	D	A	57.7	-17.6	0.0	-5.7	0.0	0.0	45.8
292	17613172.65	4824988.01	7.22	0	N	A	52.4	-17.6	0.0	-5.7	0.0	0.0	40.5
295	17613155.59	4824965.70	7.22	0	D	A	57.7	-15.9	0.0	-6.0	0.0	0.0	47.8
295	17613155.59	4824965.70	7.22	0	N	A	52.4	-15.9	0.0	-6.0	0.0	0.0	42.4
297	17613138.53	4824943.39	7.22	0	D	A	57.7	-15.0	0.0	-5.7	0.0	0.0	48.4
297	17613138.53	4824943.39	7.22	0	N	A	52.4	-15.0	0.0	-5.7	0.0	0.0	43.0
301	17613121.48	4824921.09	7.22	0	D	A	57.7	-15.5	0.0	-4.8	0.0	0.0	47.1
301	17613121.48	4824921.09	7.22	0	N	A	52.4	-15.5	0.0	-4.8	0.0	0.0	41.7
303	17613103.05	4824896.98	7.22	0	D	A	57.7	-16.5	0.0	-1.3	0.0	0.0	42.5
303	17613103.05	4824896.98	7.22	0	N	A	52.4	-16.5	0.0	-1.3	0.0	0.0	37.1
305	17613083.24	4824871.08	7.22	0	D	A	57.7	-18.6	0.0	-0.9	0.0	0.0	40.1
305	17613083.24	4824871.08	7.22	0	N	A	52.4	-18.6	0.0	-0.9	0.0	0.0	34.7
307	17613053.54	4824832.23	7.23	0	D	A	57.7	-18.4	0.0	-1.7	0.0	0.0	41.1
307	17613053.54	4824832.23	7.23	0	N	A	52.4	-18.4	0.0	-1.7	0.0	0.0	35.7
309	17613013.93	4824780.43	7.23	0	D	A	57.7	-21.4	0.0	-0.9	0.0	0.0	37.2
309	17613013.93	4824780.43	7.23	0	N	A	52.4	-21.4	0.0	-0.9	0.0	0.0	31.9
310	17612974.32	4824728.63	7.23	0	D	A	57.7	-23.7	0.0	-0.7	0.0	0.0	34.7
310	17612974.32	4824728.63	7.23	0	N	A	52.4	-23.7	0.0	-0.7	0.0	0.0	29.3
311	17612914.91	4824650.93	7.24	0	D	A	57.7	-23.2	0.0	-0.1	0.0	0.0	34.6
311	17612914.91	4824650.93	7.24	0	N	A	52.4	-23.2	0.0	-0.1	0.0	0.0	29.2
312	17612835.69	4824547.32	7.25	0	D	A	57.7	-25.9	0.0	0.7	0.0	0.0	31.1
312	17612835.69	4824547.32	7.25	0	N	A	52.4	-25.9	0.0	0.7	0.0	0.0	25.8
337	17613167.00	4825021.77	7.22	0	D	A	57.7	-19.1	0.0	-5.4	0.0	0.0	44.1
337	17613167.00	4825021.77	7.22	0	N	A	52.4	-19.1	0.0	-5.4	0.0	0.0	38.7
340	17613143.40	4824990.92	7.22	0	D	A	57.7	-17.4	0.0	-5.7	0.0	0.0	46.1
340	17613143.40	4824990.92	7.22	0	N	A	52.4	-17.4	0.0	-5.7	0.0	0.0	40.7
343	17613119.80	4824960.06	7.22	0	D	A	57.7	-16.4	0.0	-5.3	0.0	0.0	46.6
343	17613119.80	4824960.06	7.22	0	N	A	52.4	-16.4	0.0	-5.3	0.0	0.0	41.2
345	17613096.21	4824929.20	7.22	0	D	A	57.7	-16.9	0.0	-5.0	0.0	0.0	45.8
345	17613096.21	4824929.20	7.22	0	N	A	52.4	-16.9	0.0	-5.0	0.0	0.0	40.4
346	17613074.78	4824901.17	7.22	0	D	A	57.7	-19.1	0.0	-1.4	0.0	0.0	40.0

Road, TNM, Name: "QEW", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
346	17613074.78	4824901.17	7.22	0	N	A	52.4	-19.1	0.0	-1.4	0.0	0.0	34.7
348	17613055.52	4824875.98	7.22	0	D	A	57.7	-20.6	0.0	-2.0	0.0	0.0	39.1
348	17613055.52	4824875.98	7.22	0	N	A	52.4	-20.6	0.0	-2.0	0.0	0.0	33.7
349	17613026.63	4824838.19	7.23	0	D	A	57.7	-19.7	0.0	-1.4	0.0	0.0	39.4
349	17613026.63	4824838.19	7.23	0	N	A	52.4	-19.7	0.0	-1.4	0.0	0.0	34.0
350	17612968.84	4824762.62	7.23	0	D	A	57.7	-20.1	0.0	-0.9	0.0	0.0	38.5
350	17612968.84	4824762.62	7.23	0	N	A	52.4	-20.1	0.0	-0.9	0.0	0.0	33.1
352	17612891.79	4824661.85	7.24	0	D	A	57.7	-23.6	0.0	0.1	0.0	0.0	34.1
352	17612891.79	4824661.85	7.24	0	N	A	52.4	-23.6	0.0	0.1	0.0	0.0	28.7
354	17612814.74	4824561.09	7.25	0	D	A	57.7	-26.1	0.0	0.8	0.0	0.0	30.9
354	17612814.74	4824561.09	7.25	0	N	A	52.4	-26.1	0.0	0.8	0.0	0.0	25.5

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
357	17613166.52	4824953.94	5.08	0	D	A	60.7	-15.8	0.0	-5.9	0.0	0.0	50.8
357	17613166.52	4824953.94	5.08	0	N	A	50.6	-15.8	0.0	-5.9	0.0	0.0	40.7
359	17613177.26	4824968.55	5.04	0	D	A	60.7	-17.4	0.0	-6.0	0.0	0.0	49.3
359	17613177.26	4824968.55	5.04	0	N	A	50.6	-17.4	0.0	-6.0	0.0	0.0	39.2
377	17613169.04	4824950.61	5.08	0	D	A	60.7	-15.8	0.0	-5.9	0.0	0.0	50.8
377	17613169.04	4824950.61	5.08	0	N	A	50.6	-15.8	0.0	-5.9	0.0	0.0	40.7
378	17613178.36	4824963.30	5.04	0	D	A	60.7	-17.3	0.0	-5.8	0.0	0.0	49.2
378	17613178.36	4824963.30	5.04	0	N	A	50.6	-17.3	0.0	-5.8	0.0	0.0	39.1
387	17613143.27	4824923.92	5.10	0	D	A	60.7	-14.3	0.0	-4.9	0.0	0.0	51.3
387	17613143.27	4824923.92	5.10	0	N	A	50.6	-14.3	0.0	-4.9	0.0	0.0	41.2
388	17613155.22	4824939.10	5.10	0	D	A	60.7	-14.4	0.0	-6.0	0.0	0.0	52.3
388	17613155.22	4824939.10	5.10	0	N	A	50.6	-14.4	0.0	-6.0	0.0	0.0	42.2
389	17613146.41	4824921.45	5.10	0	D	A	60.7	-13.6	0.0	-5.3	0.0	0.0	52.4
389	17613146.41	4824921.45	5.10	0	N	A	50.6	-13.6	0.0	-5.3	0.0	0.0	42.3
391	17613158.36	4824936.63	5.10	0	D	A	60.7	-13.7	0.0	-6.0	0.0	0.0	53.0
391	17613158.36	4824936.63	5.10	0	N	A	50.6	-13.7	0.0	-6.0	0.0	0.0	42.9
392	17613166.52	4824953.94	6.50	0	D	A	59.0	-15.8	0.0	-6.0	0.0	0.0	49.2
392	17613166.52	4824953.94	6.50	0	N	A	48.6	-15.8	0.0	-6.0	0.0	0.0	38.8
393	17613177.26	4824968.55	6.46	0	D	A	59.0	-17.4	0.0	-6.0	0.0	0.0	47.7
393	17613177.26	4824968.55	6.46	0	N	A	48.6	-17.4	0.0	-6.0	0.0	0.0	37.2
404	17613169.04	4824950.61	6.51	0	D	A	59.0	-15.8	0.0	-5.0	0.0	0.0	48.3
404	17613169.04	4824950.61	6.51	0	N	A	48.6	-15.8	0.0	-5.0	0.0	0.0	37.8
406	17613178.36	4824963.30	6.47	0	D	A	59.0	-17.3	0.0	-6.0	0.0	0.0	47.8
406	17613178.36	4824963.30	6.47	0	N	A	48.6	-17.3	0.0	-6.0	0.0	0.0	37.3
424	17613143.27	4824923.92	6.53	0	D	A	59.0	-14.3	0.0	-5.7	0.0	0.0	50.4
424	17613143.27	4824923.92	6.53	0	N	A	48.6	-14.3	0.0	-5.7	0.0	0.0	39.9
426	17613155.22	4824939.10	6.53	0	D	A	59.0	-14.4	0.0	-6.0	0.0	0.0	50.6
426	17613155.22	4824939.10	6.53	0	N	A	48.6	-14.4	0.0	-6.0	0.0	0.0	40.2
427	17613146.41	4824921.45	6.53	0	D	A	59.0	-13.6	0.0	-5.3	0.0	0.0	50.7
427	17613146.41	4824921.45	6.53	0	N	A	48.6	-13.6	0.0	-5.3	0.0	0.0	40.2
429	17613158.36	4824936.63	6.53	0	D	A	59.0	-13.7	0.0	-5.7	0.0	0.0	51.0
429	17613158.36	4824936.63	6.53	0	N	A	48.6	-13.7	0.0	-5.7	0.0	0.0	40.5
489	17613129.35	4824901.00	5.10	0	D	A	60.7	-16.9	0.0	-1.3	0.0	0.0	45.0
489	17613129.35	4824901.00	5.10	0	N	A	50.6	-16.9	0.0	-1.3	0.0	0.0	34.9
490	17613134.84	4824911.65	5.10	0	D	A	60.7	-17.9	0.0	-4.8	0.0	0.0	47.6
490	17613134.84	4824911.65	5.10	0	N	A	50.6	-17.9	0.0	-4.8	0.0	0.0	37.5
491	17613133.23	4824899.80	5.10	0	D	A	60.7	-15.9	0.0	-0.6	0.0	0.0	45.4
491	17613133.23	4824899.80	5.10	0	N	A	50.6	-15.9	0.0	-0.6	0.0	0.0	35.2
492	17613138.72	4824910.45	5.10	0	D	A	60.7	-17.9	0.0	-5.8	0.0	0.0	48.6
492	17613138.72	4824910.45	5.10	0	N	A	50.6	-17.9	0.0	-5.8	0.0	0.0	38.5
555	17613129.35	4824901.00	6.53	0	D	A	59.0	-16.9	0.0	-0.9	0.0	0.0	43.0
555	17613129.35	4824901.00	6.53	0	N	A	48.6	-16.9	0.0	-0.9	0.0	0.0	32.5
556	17613134.84	4824911.65	6.53	0	D	A	59.0	-17.9	0.0	-5.8	0.0	0.0	46.9
556	17613134.84	4824911.65	6.53	0	N	A	48.6	-17.9	0.0	-5.8	0.0	0.0	36.5
557	17613133.23	4824899.80	6.53	0	D	A	59.0	-15.9	0.0	-1.0	0.0	0.0	44.1
557	17613133.23	4824899.80	6.53	0	N	A	48.6	-15.9	0.0	-1.0	0.0	0.0	33.7
559	17613138.72	4824910.45	6.53	0	D	A	59.0	-17.9	0.0	-4.6	0.0	0.0	45.8
559	17613138.72	4824910.45	6.53	0	N	A	48.6	-17.9	0.0	-4.6	0.0	0.0	35.3

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
567	17613170.27	4824783.63	4.99	0	D	A	60.7	-20.0	0.0	0.0	0.0	0.0	40.7
567	17613170.27	4824783.63	4.99	0	N	A	50.6	-20.0	0.0	0.0	0.0	0.0	30.6
568	17613149.28	4824803.12	5.06	0	D	A	60.7	-18.9	0.0	0.3	0.0	0.0	41.5
568	17613149.28	4824803.12	5.06	0	N	A	50.6	-18.9	0.0	0.3	0.0	0.0	31.3
569	17613172.99	4824786.56	4.99	0	D	A	60.7	-19.7	0.0	-0.1	0.0	0.0	41.0
569	17613172.99	4824786.56	4.99	0	N	A	50.6	-19.7	0.0	-0.1	0.0	0.0	30.9
570	17613152.01	4824806.05	5.06	0	D	A	60.7	-18.6	0.0	-0.1	0.0	0.0	42.2
570	17613152.01	4824806.05	5.06	0	N	A	50.6	-18.6	0.0	-0.1	0.0	0.0	32.0
627	17613121.04	4824865.63	5.10	0	D	A	60.7	-16.8	0.0	-0.7	0.0	0.0	44.5
627	17613121.04	4824865.63	5.10	0	N	A	50.6	-16.8	0.0	-0.7	0.0	0.0	34.4
629	17613125.04	4824865.74	5.10	0	D	A	60.7	-16.4	0.0	-0.7	0.0	0.0	44.9
629	17613125.04	4824865.74	5.10	0	N	A	50.6	-16.4	0.0	-0.7	0.0	0.0	34.8
640	17613123.39	4824886.32	5.10	0	D	A	60.7	-17.2	0.0	-0.2	0.0	0.0	43.7
640	17613123.39	4824886.32	5.10	0	N	A	50.6	-17.2	0.0	-0.2	0.0	0.0	33.5
641	17613127.20	4824885.10	5.10	0	D	A	60.7	-16.7	0.0	-0.7	0.0	0.0	44.7
641	17613127.20	4824885.10	5.10	0	N	A	50.6	-16.7	0.0	-0.7	0.0	0.0	34.5
686	17613170.27	4824783.63	6.41	0	D	A	59.0	-20.0	0.0	-1.3	0.0	0.0	40.3
686	17613170.27	4824783.63	6.41	0	N	A	48.6	-20.0	0.0	-1.3	0.0	0.0	29.8
688	17613149.28	4824803.12	6.49	0	D	A	59.0	-18.9	0.0	0.0	0.0	0.0	40.1
688	17613149.28	4824803.12	6.49	0	N	A	48.6	-18.9	0.0	0.0	0.0	0.0	29.6
689	17613172.99	4824786.56	6.41	0	D	A	59.0	-19.7	0.0	-1.2	0.0	0.0	40.5
689	17613172.99	4824786.56	6.41	0	N	A	48.6	-19.7	0.0	-1.2	0.0	0.0	30.0
690	17613152.01	4824806.05	6.49	0	D	A	59.0	-18.6	0.0	0.1	0.0	0.0	40.3
690	17613152.01	4824806.05	6.49	0	N	A	48.6	-18.6	0.0	0.1	0.0	0.0	29.8
772	17613121.04	4824865.63	6.52	0	D	A	59.0	-16.8	0.0	-1.4	0.0	0.0	43.6
772	17613121.04	4824865.63	6.52	0	N	A	48.6	-16.8	0.0	-1.4	0.0	0.0	33.1
774	17613125.04	4824865.74	6.52	0	D	A	59.0	-16.4	0.0	-1.7	0.0	0.0	44.3
774	17613125.04	4824865.74	6.52	0	N	A	48.6	-16.4	0.0	-1.7	0.0	0.0	33.9
776	17613124.69	4824843.41	5.10	0	D	A	60.7	-18.6	0.0	0.1	0.0	0.0	42.0
776	17613124.69	4824843.41	5.10	0	N	A	50.6	-18.6	0.0	0.1	0.0	0.0	31.9
778	17613128.49	4824844.68	5.10	0	D	A	60.7	-18.2	0.0	-0.2	0.0	0.0	42.7
778	17613128.49	4824844.68	5.10	0	N	A	50.6	-18.2	0.0	-0.2	0.0	0.0	32.6
786	17613123.39	4824886.32	6.53	0	D	A	59.0	-17.2	0.0	-1.2	0.0	0.0	43.0
786	17613123.39	4824886.32	6.53	0	N	A	48.6	-17.2	0.0	-1.2	0.0	0.0	32.5
788	17613127.20	4824885.10	6.53	0	D	A	59.0	-16.7	0.0	-0.6	0.0	0.0	42.9
788	17613127.20	4824885.10	6.53	0	N	A	48.6	-16.7	0.0	-0.6	0.0	0.0	32.4
836	17613133.21	4824823.43	5.10	0	D	A	60.7	-19.1	0.0	-0.4	0.0	0.0	42.0
836	17613133.21	4824823.43	5.10	0	N	A	50.6	-19.1	0.0	-0.4	0.0	0.0	31.9
838	17613136.76	4824825.26	5.10	0	D	A	60.7	-18.7	0.0	-0.3	0.0	0.0	42.3
838	17613136.76	4824825.26	5.10	0	N	A	50.6	-18.7	0.0	-0.3	0.0	0.0	32.2
892	17613124.69	4824843.41	6.52	0	D	A	59.0	-18.6	0.0	-0.3	0.0	0.0	40.7
892	17613124.69	4824843.41	6.52	0	N	A	48.6	-18.6	0.0	-0.3	0.0	0.0	30.2
894	17613128.49	4824844.68	6.52	0	D	A	59.0	-18.2	0.0	-0.5	0.0	0.0	41.4
894	17613128.49	4824844.68	6.52	0	N	A	48.6	-18.2	0.0	-0.5	0.0	0.0	30.8
924	17613133.21	4824823.43	6.53	0	D	A	59.0	-19.1	0.0	-0.2	0.0	0.0	40.2
924	17613133.21	4824823.43	6.53	0	N	A	48.6	-19.1	0.0	-0.2	0.0	0.0	29.7
927	17613136.76	4824825.26	6.53	0	D	A	59.0	-18.7	0.0	-0.4	0.0	0.0	40.7
927	17613136.76	4824825.26	6.53	0	N	A	48.6	-18.7	0.0	-0.4	0.0	0.0	30.2

Road, TNM, Name: "QEW Off-Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
432	17613073.33	4824991.63	2.38	0	D	A	61.8	-18.8	0.0	-5.6	0.0	0.0	48.6
432	17613073.33	4824991.63	2.38	0	N	A	55.7	-18.8	0.0	-5.6	0.0	0.0	42.4
433	17613025.90	4824957.38	2.31	0	D	A	61.8	-20.1	0.0	-4.3	0.0	0.0	46.0
433	17613025.90	4824957.38	2.31	0	N	A	55.7	-20.1	0.0	-4.3	0.0	0.0	39.9
434	17613070.99	4824994.87	2.38	0	D	A	61.8	-19.0	0.0	-4.8	0.0	0.0	47.6
434	17613070.99	4824994.87	2.38	0	N	A	55.7	-19.0	0.0	-4.8	0.0	0.0	41.5
437	17613023.56	4824960.62	2.31	0	D	A	61.8	-20.3	0.0	-5.2	0.0	0.0	46.7
437	17613023.56	4824960.62	2.31	0	N	A	55.7	-20.3	0.0	-5.2	0.0	0.0	40.6
561	17613073.33	4824991.63	3.81	0	D	A	59.6	-18.8	0.0	-2.6	0.0	0.0	43.4
561	17613073.33	4824991.63	3.81	0	N	A	53.4	-18.8	0.0	-2.6	0.0	0.0	37.3
562	17613025.90	4824957.38	3.74	0	D	A	59.6	-20.1	0.0	-2.4	0.0	0.0	41.9

Road, TNM, Name: "QEW Off-Ramp", ID: "a "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
562	17613025.90	4824957.38	3.74	0	N	A	53.4	-20.1	0.0	-2.4	0.0	0.0	35.7
564	17613070.99	4824994.87	3.81	0	D	A	59.6	-19.0	0.0	-3.6	0.0	0.0	44.1
564	17613070.99	4824994.87	3.81	0	N	A	53.4	-19.0	0.0	-3.6	0.0	0.0	38.0
566	17613023.56	4824960.62	3.74	0	D	A	59.6	-20.3	0.0	-2.4	0.0	0.0	41.7
566	17613023.56	4824960.62	3.74	0	N	A	53.4	-20.3	0.0	-2.4	0.0	0.0	35.6
600	17613169.08	4825058.26	2.20	0	D	A	61.8	-23.7	0.0	-4.7	0.0	0.0	42.8
600	17613169.08	4825058.26	2.20	0	N	A	55.7	-23.7	0.0	-4.7	0.0	0.0	36.7
623	17613167.51	4825062.33	2.19	0	D	A	61.8	-23.3	0.0	-5.8	0.0	0.0	44.3
623	17613167.51	4825062.33	2.19	0	N	A	55.7	-23.3	0.0	-5.8	0.0	0.0	38.1
767	17613113.42	4825019.23	2.41	0	D	A	61.8	-20.2	0.0	-5.5	0.0	0.0	47.1
767	17613113.42	4825019.23	2.41	0	N	A	55.7	-20.2	0.0	-5.5	0.0	0.0	41.0
769	17613111.26	4825022.60	2.41	0	D	A	61.8	-20.4	0.0	-5.0	0.0	0.0	46.4
769	17613111.26	4825022.60	2.41	0	N	A	55.7	-20.4	0.0	-5.0	0.0	0.0	40.3
782	17613145.39	4825040.00	2.33	0	D	A	61.8	-20.8	0.0	-5.7	0.0	0.0	46.7
782	17613145.39	4825040.00	2.33	0	N	A	55.7	-20.8	0.0	-5.7	0.0	0.0	40.6
785	17613143.19	4825043.34	2.33	0	D	A	61.8	-21.0	0.0	-5.7	0.0	0.0	46.5
785	17613143.19	4825043.34	2.33	0	N	A	55.7	-21.0	0.0	-5.7	0.0	0.0	40.4
802	17613169.08	4825058.26	3.62	0	D	A	59.6	-23.7	0.0	-4.1	0.0	0.0	39.9
802	17613169.08	4825058.26	3.62	0	N	A	53.4	-23.7	0.0	-4.1	0.0	0.0	33.8
814	17613167.51	4825062.33	3.61	0	D	A	59.6	-23.3	0.0	-4.2	0.0	0.0	40.5
814	17613167.51	4825062.33	3.61	0	N	A	53.4	-23.3	0.0	-4.2	0.0	0.0	34.3
896	17613113.42	4825019.23	3.84	0	D	A	59.6	-20.2	0.0	-4.6	0.0	0.0	44.0
896	17613113.42	4825019.23	3.84	0	N	A	53.4	-20.2	0.0	-4.6	0.0	0.0	37.9
897	17613111.26	4825022.60	3.84	0	D	A	59.6	-20.4	0.0	-3.9	0.0	0.0	43.1
897	17613111.26	4825022.60	3.84	0	N	A	53.4	-20.4	0.0	-3.9	0.0	0.0	36.9
931	17613145.39	4825040.00	3.75	0	D	A	59.6	-20.8	0.0	-4.7	0.0	0.0	43.6
931	17613145.39	4825040.00	3.75	0	N	A	53.4	-20.8	0.0	-4.7	0.0	0.0	37.4
935	17613143.19	4825043.34	3.75	0	D	A	59.6	-21.0	0.0	-4.7	0.0	0.0	43.3
935	17613143.19	4825043.34	3.75	0	N	A	53.4	-21.0	0.0	-4.7	0.0	0.0	37.2
1276	17613073.33	4824991.63	5.94	0	D	A	41.0	-18.8	0.0	-3.8	0.0	0.0	25.9
1276	17613073.33	4824991.63	5.94	0	N	A	33.2	-18.8	0.0	-3.8	0.0	0.0	18.1
1278	17613025.90	4824957.38	5.87	0	D	A	41.0	-20.1	0.0	-2.5	0.0	0.0	23.3
1278	17613025.90	4824957.38	5.87	0	N	A	33.2	-20.1	0.0	-2.5	0.0	0.0	15.5
1280	17613070.99	4824994.87	5.94	0	D	A	41.0	-19.0	0.0	-2.9	0.0	0.0	24.8
1280	17613070.99	4824994.87	5.94	0	N	A	33.2	-19.0	0.0	-2.9	0.0	0.0	17.0
1281	17613023.56	4824960.62	5.87	0	D	A	41.0	-20.3	0.0	-3.3	0.0	0.0	24.0
1281	17613023.56	4824960.62	5.87	0	N	A	33.2	-20.3	0.0	-3.3	0.0	0.0	16.2
1369	17613169.08	4825058.26	5.76	0	D	A	41.0	-23.7	0.0	-4.9	0.0	0.0	22.1
1369	17613169.08	4825058.26	5.76	0	N	A	33.2	-23.7	0.0	-4.9	0.0	0.0	14.3
1381	17613167.51	4825062.33	5.75	0	D	A	41.0	-23.3	0.0	-4.7	0.0	0.0	22.3
1381	17613167.51	4825062.33	5.75	0	N	A	33.2	-23.3	0.0	-4.7	0.0	0.0	14.5
1425	17613113.42	4825019.23	5.97	0	D	A	41.0	-20.2	0.0	-5.3	0.0	0.0	26.0
1425	17613113.42	4825019.23	5.97	0	N	A	33.2	-20.2	0.0	-5.3	0.0	0.0	18.2
1428	17613111.26	4825022.60	5.97	0	D	A	41.0	-20.4	0.0	-5.2	0.0	0.0	25.7
1428	17613111.26	4825022.60	5.97	0	N	A	33.2	-20.4	0.0	-5.2	0.0	0.0	17.9
1434	17613145.39	4825040.00	5.89	0	D	A	41.0	-20.8	0.0	-4.5	0.0	0.0	24.7
1434	17613145.39	4825040.00	5.89	0	N	A	33.2	-20.8	0.0	-4.5	0.0	0.0	16.9
1436	17613143.19	4825043.34	5.89	0	D	A	41.0	-21.0	0.0	-5.4	0.0	0.0	25.4
1436	17613143.19	4825043.34	5.89	0	N	A	33.2	-21.0	0.0	-5.4	0.0	0.0	17.5

Road, TNM, Name: "HWY 10 ", ID: "a "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
439	17613187.44	4824760.83	2.30	0	D	A	60.5	-22.4	0.0	-4.2	0.0	0.0	42.3
439	17613187.44	4824760.83	2.30	0	N	A	50.8	-22.4	0.0	-4.2	0.0	0.0	32.6
463	17613184.54	4824750.03	2.27	0	D	A	60.5	-21.4	0.0	-4.1	0.0	0.0	43.1
463	17613184.54	4824750.03	2.27	0	N	A	50.8	-21.4	0.0	-4.1	0.0	0.0	33.4
503	17613187.44	4824760.83	3.72	0	D	A	58.8	-22.4	0.0	-1.0	0.0	0.0	37.4
503	17613187.44	4824760.83	3.72	0	N	A	49.1	-22.4	0.0	-1.0	0.0	0.0	27.8
527	17613184.54	4824750.03	3.70	0	D	A	58.8	-21.4	0.0	-1.3	0.0	0.0	38.6
527	17613184.54	4824750.03	3.70	0	N	A	49.1	-21.4	0.0	-1.3	0.0	0.0	28.9
545	17613059.45	4824866.27	2.59	0	D	A	60.5	-18.5	0.0	-4.2	0.0	0.0	46.1
545	17613059.45	4824866.27	2.59	0	N	A	50.8	-18.5	0.0	-4.2	0.0	0.0	36.5

Road, TNM, Name: "HWY 10 ", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
546	17613095.95	4824831.42	2.60	0	D	A	60.5	-17.3	0.0	-4.3	0.0	0.0	47.5
546	17613095.95	4824831.42	2.60	0	N	A	50.8	-17.3	0.0	-4.3	0.0	0.0	37.8
548	17613052.54	4824859.03	2.59	0	D	A	60.5	-19.1	0.0	-4.1	0.0	0.0	45.5
548	17613052.54	4824859.03	2.59	0	N	A	50.8	-19.1	0.0	-4.1	0.0	0.0	35.9
549	17613089.05	4824824.19	2.60	0	D	A	60.5	-18.0	0.0	-4.3	0.0	0.0	46.7
549	17613089.05	4824824.19	2.60	0	N	A	50.8	-18.0	0.0	-4.3	0.0	0.0	37.0
571	17613129.81	4824803.06	2.54	0	D	A	60.5	-18.2	0.0	-4.3	0.0	0.0	46.6
571	17613129.81	4824803.06	2.54	0	N	A	50.8	-18.2	0.0	-4.3	0.0	0.0	36.9
572	17613162.17	4824780.25	2.42	0	D	A	60.5	-18.9	0.0	-4.3	0.0	0.0	45.8
572	17613162.17	4824780.25	2.42	0	N	A	50.8	-18.9	0.0	-4.3	0.0	0.0	36.1
573	17613124.05	4824794.89	2.54	0	D	A	60.5	-19.0	0.0	-4.3	0.0	0.0	45.8
573	17613124.05	4824794.89	2.54	0	N	A	50.8	-19.0	0.0	-4.3	0.0	0.0	36.1
574	17613156.40	4824772.08	2.42	0	D	A	60.5	-19.6	0.0	-4.2	0.0	0.0	45.1
574	17613156.40	4824772.08	2.42	0	N	A	50.8	-19.6	0.0	-4.2	0.0	0.0	35.4
578	17612982.14	4824952.73	2.18	0	D	A	60.5	-20.8	0.0	-4.2	0.0	0.0	43.9
578	17612982.14	4824952.73	2.18	0	N	A	50.8	-20.8	0.0	-4.2	0.0	0.0	34.2
579	17613024.04	4824903.78	2.46	0	D	A	60.5	-20.1	0.0	-4.0	0.0	0.0	44.4
579	17613024.04	4824903.78	2.46	0	N	A	50.8	-20.1	0.0	-4.0	0.0	0.0	34.7
580	17612970.90	4824950.47	2.15	0	D	A	60.5	-22.0	0.0	-4.3	0.0	0.0	42.8
580	17612970.90	4824950.47	2.15	0	N	A	50.8	-22.0	0.0	-4.3	0.0	0.0	33.2
581	17613012.80	4824901.53	2.44	0	D	A	60.5	-19.8	0.0	-3.9	0.0	0.0	44.6
581	17613012.80	4824901.53	2.44	0	N	A	50.8	-19.8	0.0	-3.9	0.0	0.0	34.9
630	17613059.45	4824866.27	4.01	0	D	A	58.8	-18.5	0.0	-0.4	0.0	0.0	40.6
630	17613059.45	4824866.27	4.01	0	N	A	49.1	-18.5	0.0	-0.4	0.0	0.0	30.9
633	17613095.95	4824831.42	4.02	0	D	A	58.8	-17.3	0.0	-0.0	0.0	0.0	41.5
633	17613095.95	4824831.42	4.02	0	N	A	49.1	-17.3	0.0	-0.0	0.0	0.0	31.8
635	17613052.54	4824859.03	4.01	0	D	A	58.8	-19.1	0.0	-0.6	0.0	0.0	40.3
635	17613052.54	4824859.03	4.01	0	N	A	49.1	-19.1	0.0	-0.6	0.0	0.0	30.6
638	17613089.05	4824824.19	4.02	0	D	A	58.8	-18.0	0.0	-0.2	0.0	0.0	40.9
638	17613089.05	4824824.19	4.02	0	N	A	49.1	-18.0	0.0	-0.2	0.0	0.0	31.2
692	17613129.81	4824803.06	3.97	0	D	A	58.8	-18.2	0.0	0.1	0.0	0.0	40.4
692	17613129.81	4824803.06	3.97	0	N	A	49.1	-18.2	0.0	0.1	0.0	0.0	30.8
693	17613162.17	4824780.25	3.85	0	D	A	58.8	-18.9	0.0	0.7	0.0	0.0	39.1
693	17613162.17	4824780.25	3.85	0	N	A	49.1	-18.9	0.0	0.7	0.0	0.0	29.5
696	17613124.05	4824794.89	3.97	0	D	A	58.8	-19.0	0.0	-0.2	0.0	0.0	40.0
696	17613124.05	4824794.89	3.97	0	N	A	49.1	-19.0	0.0	-0.2	0.0	0.0	30.4
697	17613156.40	4824772.08	3.85	0	D	A	58.8	-19.6	0.0	-0.6	0.0	0.0	39.9
697	17613156.40	4824772.08	3.85	0	N	A	49.1	-19.6	0.0	-0.6	0.0	0.0	30.2
759	17612982.14	4824952.73	3.60	0	D	A	58.8	-20.8	0.0	-1.9	0.0	0.0	39.8
759	17612982.14	4824952.73	3.60	0	N	A	49.1	-20.8	0.0	-1.9	0.0	0.0	30.1
760	17613024.04	4824903.78	3.89	0	D	A	58.8	-20.1	0.0	-1.2	0.0	0.0	39.9
760	17613024.04	4824903.78	3.89	0	N	A	49.1	-20.1	0.0	-1.2	0.0	0.0	30.3
761	17612970.90	4824950.47	3.58	0	D	A	58.8	-22.0	0.0	-4.2	0.0	0.0	41.0
761	17612970.90	4824950.47	3.58	0	N	A	49.1	-22.0	0.0	-4.2	0.0	0.0	31.4
763	17613012.80	4824901.53	3.86	0	D	A	58.8	-19.8	0.0	-1.4	0.0	0.0	40.4
763	17613012.80	4824901.53	3.86	0	N	A	49.1	-19.8	0.0	-1.4	0.0	0.0	30.7
962	17612923.11	4825027.43	1.75	0	D	A	60.5	-21.7	0.0	-3.7	0.0	0.0	42.5
962	17612923.11	4825027.43	1.75	0	N	A	50.8	-21.7	0.0	-3.7	0.0	0.0	32.8
964	17612915.11	4825021.43	1.75	0	D	A	60.5	-21.9	0.0	-3.8	0.0	0.0	42.4
964	17612915.11	4825021.43	1.75	0	N	A	50.8	-21.9	0.0	-3.8	0.0	0.0	32.8
1015	17612923.11	4825027.43	3.18	0	D	A	58.8	-21.7	0.0	-1.8	0.0	0.0	38.9
1015	17612923.11	4825027.43	3.18	0	N	A	49.1	-21.7	0.0	-1.8	0.0	0.0	29.2
1017	17612915.11	4825021.43	3.18	0	D	A	58.8	-21.9	0.0	-1.7	0.0	0.0	38.6
1017	17612915.11	4825021.43	3.18	0	N	A	49.1	-21.9	0.0	-1.7	0.0	0.0	28.9
1019	17612835.25	4825131.12	1.11	0	D	A	60.5	-23.6	0.0	-3.1	0.0	0.0	40.0
1019	17612835.25	4825131.12	1.11	0	N	A	50.8	-23.6	0.0	-3.1	0.0	0.0	30.3
1020	17612827.91	4825124.32	1.11	0	D	A	60.5	-23.6	0.0	-3.5	0.0	0.0	40.4
1020	17612827.91	4825124.32	1.11	0	N	A	50.8	-23.6	0.0	-3.5	0.0	0.0	30.7
1096	17612835.25	4825131.12	2.53	0	D	A	58.8	-23.6	0.0	-4.1	0.0	0.0	39.3
1096	17612835.25	4825131.12	2.53	0	N	A	49.1	-23.6	0.0	-4.1	0.0	0.0	29.6
1098	17612827.91	4825124.32	2.53	0	D	A	58.8	-23.6	0.0	-4.1	0.0	0.0	39.2
1098	17612827.91	4825124.32	2.53	0	N	A	49.1	-23.6	0.0	-4.1	0.0	0.0	29.5
1168	17612751.83	4825220.34	0.45	0	D	A	60.5	-28.3	0.0	-3.3	0.0	0.0	35.5

Road, TNM, Name: "HWY 10 ", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1168	17612751.83	4825220.34	0.45	0	N	A	50.8	-28.3	0.0	-3.3	0.0	0.0	25.8
1169	17612744.58	4825213.46	0.45	0	D	A	60.5	-28.3	0.0	-3.0	0.0	0.0	35.2
1169	17612744.58	4825213.46	0.45	0	N	A	50.8	-28.3	0.0	-3.0	0.0	0.0	25.5
1184	17612751.83	4825220.34	1.87	0	D	A	58.8	-28.3	0.0	-3.2	0.0	0.0	33.7
1184	17612751.83	4825220.34	1.87	0	N	A	49.1	-28.3	0.0	-3.2	0.0	0.0	24.1
1188	17612744.58	4825213.46	1.87	0	D	A	58.8	-28.3	0.0	-3.1	0.0	0.0	33.5
1188	17612744.58	4825213.46	1.87	0	N	A	49.1	-28.3	0.0	-3.1	0.0	0.0	23.9
1190	17613187.44	4824760.83	5.86	0	D	A	43.4	-22.4	0.0	-0.9	0.0	0.0	21.9
1190	17613187.44	4824760.83	5.86	0	N	A	33.8	-22.4	0.0	-0.9	0.0	0.0	12.3
1220	17613184.54	4824750.03	5.83	0	D	A	43.4	-21.4	0.0	-1.2	0.0	0.0	23.2
1220	17613184.54	4824750.03	5.83	0	N	A	33.8	-21.4	0.0	-1.2	0.0	0.0	13.5
1241	17613059.45	4824866.27	6.15	0	D	A	43.4	-18.5	0.0	-0.6	0.0	0.0	25.5
1241	17613059.45	4824866.27	6.15	0	N	A	33.8	-18.5	0.0	-0.6	0.0	0.0	15.8
1242	17613095.95	4824831.42	6.16	0	D	A	43.4	-17.3	0.0	-0.4	0.0	0.0	26.5
1242	17613095.95	4824831.42	6.16	0	N	A	33.8	-17.3	0.0	-0.4	0.0	0.0	16.9
1244	17613052.54	4824859.03	6.15	0	D	A	43.4	-19.1	0.0	-0.5	0.0	0.0	24.8
1244	17613052.54	4824859.03	6.15	0	N	A	33.8	-19.1	0.0	-0.5	0.0	0.0	15.1
1245	17613089.05	4824824.19	6.16	0	D	A	43.4	-18.0	0.0	-1.1	0.0	0.0	26.5
1245	17613089.05	4824824.19	6.16	0	N	A	33.8	-18.0	0.0	-1.1	0.0	0.0	16.8
1252	17613129.81	4824803.06	6.10	0	D	A	43.4	-18.2	0.0	0.5	0.0	0.0	24.7
1252	17613129.81	4824803.06	6.10	0	N	A	33.8	-18.2	0.0	0.5	0.0	0.0	15.0
1254	17613162.17	4824780.25	5.98	0	D	A	43.4	-18.9	0.0	0.4	0.0	0.0	24.1
1254	17613162.17	4824780.25	5.98	0	N	A	33.8	-18.9	0.0	0.4	0.0	0.0	14.5
1256	17613124.05	4824794.89	6.10	0	D	A	43.4	-19.0	0.0	0.0	0.0	0.0	24.5
1256	17613124.05	4824794.89	6.10	0	N	A	33.8	-19.0	0.0	0.0	0.0	0.0	14.8
1258	17613156.40	4824772.08	5.98	0	D	A	43.4	-19.6	0.0	0.6	0.0	0.0	23.2
1258	17613156.40	4824772.08	5.98	0	N	A	33.8	-19.6	0.0	0.6	0.0	0.0	13.6
1262	17612982.14	4824952.73	5.74	0	D	A	43.4	-20.8	0.0	-1.9	0.0	0.0	24.5
1262	17612982.14	4824952.73	5.74	0	N	A	33.8	-20.8	0.0	-1.9	0.0	0.0	14.9
1264	17613024.04	4824903.78	6.02	0	D	A	43.4	-20.1	0.0	-0.8	0.0	0.0	24.2
1264	17613024.04	4824903.78	6.02	0	N	A	33.8	-20.1	0.0	-0.8	0.0	0.0	14.5
1265	17612970.90	4824950.47	5.71	0	D	A	43.4	-22.0	0.0	-2.0	0.0	0.0	23.5
1265	17612970.90	4824950.47	5.71	0	N	A	33.8	-22.0	0.0	-2.0	0.0	0.0	13.8
1266	17613012.80	4824901.53	6.00	0	D	A	43.4	-19.8	0.0	-0.7	0.0	0.0	24.3
1266	17613012.80	4824901.53	6.00	0	N	A	33.8	-19.8	0.0	-0.7	0.0	0.0	14.7
1358	17612923.11	4825027.43	5.31	0	D	A	43.4	-21.7	0.0	-2.3	0.0	0.0	24.0
1358	17612923.11	4825027.43	5.31	0	N	A	33.8	-21.7	0.0	-2.3	0.0	0.0	14.3
1359	17612915.11	4825021.43	5.31	0	D	A	43.4	-21.9	0.0	-3.1	0.0	0.0	24.7
1359	17612915.11	4825021.43	5.31	0	N	A	33.8	-21.9	0.0	-3.1	0.0	0.0	15.0
1429	17612835.25	4825131.12	4.67	0	D	A	43.4	-23.6	0.0	-1.9	0.0	0.0	21.8
1429	17612835.25	4825131.12	4.67	0	N	A	33.8	-23.6	0.0	-1.9	0.0	0.0	12.1
1432	17612827.91	4825124.32	4.67	0	D	A	43.4	-23.6	0.0	-2.5	0.0	0.0	22.3
1432	17612827.91	4825124.32	4.67	0	N	A	33.8	-23.6	0.0	-2.5	0.0	0.0	12.7
1500	17612751.83	4825220.34	4.01	0	D	A	43.4	-28.3	0.0	-2.7	0.0	0.0	17.8
1501	17612744.58	4825213.46	4.01	0	D	A	43.4	-28.3	0.0	-1.0	0.0	0.0	16.2

Road, TNM, Name: "South Service Rd", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
898	17613184.12	4824787.78	2.43	0	D	A	54.3	-19.5	0.0	-4.3	0.0	0.0	39.1
898	17613184.12	4824787.78	2.43	0	N	A	44.6	-19.5	0.0	-4.3	0.0	0.0	29.5
910	17613185.84	4824783.57	2.44	0	D	A	54.3	-20.5	0.0	-4.3	0.0	0.0	38.1
910	17613185.84	4824783.57	2.44	0	N	A	44.6	-20.5	0.0	-4.3	0.0	0.0	28.4
981	17613184.12	4824787.78	3.86	0	D	A	52.5	-19.5	0.0	0.4	0.0	0.0	32.6
981	17613184.12	4824787.78	3.86	0	N	A	42.8	-19.5	0.0	0.4	0.0	0.0	23.0
987	17613185.84	4824783.57	3.86	0	D	A	52.5	-20.5	0.0	-0.1	0.0	0.0	32.1
987	17613185.84	4824783.57	3.86	0	N	A	42.8	-20.5	0.0	-0.1	0.0	0.0	22.4
1384	17613184.12	4824787.78	5.99	0	D	A	35.7	-19.5	0.0	-0.9	0.0	0.0	17.1
1390	17613185.84	4824783.57	6.00	0	D	A	35.7	-20.5	0.0	-1.4	0.0	0.0	16.6

Receiver

Name: North Facade

ID: f_

X: 17613191.34 m

Y: 4824908.19 m

Z: 9.00 m

Line Source, ISO 9613, Name: "Hurontario LRT", ID: ""

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
10	17613119.89	4824806.62	4.45	0	D	500	72.6	15.0	0.0	0.0	0.0	52.9	0.2	-0.7	0.0	0.0	16.9	0.0	0.0	18.3
10	17613119.89	4824806.62	4.45	0	N	500	67.6	15.0	0.0	0.0	0.0	52.9	0.2	-0.7	0.0	0.0	16.9	0.0	0.0	13.3
17	17613146.29	4824786.97	4.35	0	D	500	72.6	15.4	0.0	0.0	0.0	53.2	0.2	-0.6	0.0	0.0	18.3	0.0	0.0	16.8
17	17613146.29	4824786.97	4.35	0	N	500	67.6	15.4	0.0	0.0	0.0	53.2	0.2	-0.6	0.0	0.0	18.3	0.0	0.0	11.8
18	17613173.83	4824766.47	4.25	0	D	500	72.6	15.4	0.0	0.0	0.0	54.1	0.3	-1.6	0.0	0.0	19.2	0.0	0.0	16.1
18	17613173.83	4824766.47	4.25	0	N	500	67.6	15.4	0.0	0.0	0.0	54.1	0.3	-1.6	0.0	0.0	19.2	0.0	0.0	11.0
25	17613045.79	4824866.32	4.50	0	D	500	72.6	12.7	0.0	0.0	0.0	54.6	0.3	-2.6	0.0	0.0	8.7	0.0	0.0	24.4
25	17613045.79	4824866.32	4.50	0	N	500	67.6	12.7	0.0	0.0	0.0	54.6	0.3	-2.6	0.0	0.0	8.7	0.0	0.0	19.4
27	17613066.59	4824849.30	4.50	0	D	500	72.6	15.4	0.0	0.0	0.0	53.8	0.3	-2.5	0.0	0.0	11.5	0.0	0.0	25.0
27	17613066.59	4824849.30	4.50	0	N	500	67.6	15.4	0.0	0.0	0.0	53.8	0.3	-2.5	0.0	0.0	11.5	0.0	0.0	20.0
32	17613093.71	4824827.11	4.50	0	D	500	72.6	15.4	0.0	0.0	0.0	53.1	0.2	-1.8	0.0	0.0	14.7	0.0	0.0	21.9
32	17613093.71	4824827.11	4.50	0	N	500	67.6	15.4	0.0	0.0	0.0	53.1	0.2	-1.8	0.0	0.0	14.7	0.0	0.0	16.9
33	17612988.99	4824932.82	4.16	0	D	500	72.6	18.6	0.0	0.0	0.0	57.2	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	36.4
33	17612988.99	4824932.82	4.16	0	N	500	67.6	18.6	0.0	0.0	0.0	57.2	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	31.4
34	17613018.23	4824897.08	4.36	0	D	500	72.6	13.1	0.0	0.0	0.0	55.8	0.3	-2.7	0.0	0.0	4.9	0.0	0.0	27.5
34	17613018.23	4824897.08	4.36	0	N	500	67.6	13.1	0.0	0.0	0.0	55.8	0.3	-2.7	0.0	0.0	4.9	0.0	0.0	22.5
37	17613031.64	4824880.68	4.45	0	D	500	72.6	13.4	0.0	0.0	0.0	55.2	0.3	-2.7	0.0	0.0	6.5	0.0	0.0	26.7
37	17613031.64	4824880.68	4.45	0	N	500	67.6	13.4	0.0	0.0	0.0	55.2	0.3	-2.7	0.0	0.0	6.5	0.0	0.0	21.7
38	17613219.45	4824730.08	3.98	0	D	500	72.6	19.2	0.0	0.0	0.0	56.1	0.3	-3.0	0.0	0.0	22.3	0.0	0.0	16.1
38	17613219.45	4824730.08	3.98	0	N	500	67.6	19.2	0.0	0.0	0.0	56.1	0.3	-3.0	0.0	0.0	22.3	0.0	0.0	11.0
62	17612931.89	4825009.24	3.74	0	D	500	72.6	20.8	0.0	0.0	0.0	59.9	0.5	-2.8	0.0	0.0	0.0	0.0	0.0	35.8
62	17612931.89	4825009.24	3.74	0	N	500	67.6	20.8	0.0	0.0	0.0	59.9	0.5	-2.8	0.0	0.0	0.0	0.0	0.0	30.8
71	17612870.76	4825089.57	3.30	0	D	500	72.6	19.2	0.0	0.0	0.0	62.3	0.7	-3.1	0.0	0.0	0.0	0.0	0.0	31.9
71	17612870.76	4825089.57	3.30	0	N	500	67.6	19.2	0.0	0.0	0.0	62.3	0.7	-3.1	0.0	0.0	0.0	0.0	0.0	26.9

Road, TNM, Name: "QEW", ID: "a_ "

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	Ad (dB)	Aair (dB)	Agr (dB)	Afol (dB)	RL (dB)	Lr dB(A)
73	17613405.17	4825292.11	3.64	0	D	A	73.7	-25.6	0.0	2.0	0.0	0.0	46.0
73	17613405.17	4825292.11	3.64	0	N	A	68.3	-25.6	0.0	2.0	0.0	0.0	40.6
75	17613339.68	4825206.45	3.64	0	D	A	73.7	-23.2	0.0	1.2	0.0	0.0	49.3
75	17613339.68	4825206.45	3.64	0	N	A	68.3	-23.2	0.0	1.2	0.0	0.0	43.9
78	17613274.18	4825120.80	3.65	0	D	A	73.7	-19.8	0.0	-0.4	0.0	0.0	54.3
78	17613274.18	4825120.80	3.65	0	N	A	68.3	-19.8	0.0	-0.4	0.0	0.0	48.9
79	17613225.06	4825056.56	3.65	0	D	A	73.7	-19.4	0.0	-1.6	0.0	0.0	55.9
79	17613225.06	4825056.56	3.65	0	N	A	68.3	-19.4	0.0	-1.6	0.0	0.0	50.5
81	17613200.50	4825024.44	3.65	0	D	A	73.7	-20.1	0.0	-1.7	0.0	0.0	55.3
81	17613200.50	4825024.44	3.65	0	N	A	68.3	-20.1	0.0	-1.7	0.0	0.0	49.9
82	17613184.13	4825003.02	3.66	0	D	A	73.7	-18.4	0.0	-1.6	0.0	0.0	56.8
82	17613184.13	4825003.02	3.66	0	N	A	68.3	-18.4	0.0	-1.6	0.0	0.0	51.5
83	17613167.77	4824981.62	3.66	0	D	A	73.7	-16.6	0.0	-5.7	0.0	0.0	62.7
83	17613167.77	4824981.62	3.66	0	N	A	68.3	-16.6	0.0	-5.7	0.0	0.0	57.4
86	17613151.41	4824960.24	3.66	0	D	A	73.7	-15.2	0.0	-6.0	0.0	0.0	64.5
86	17613151.41	4824960.24	3.66	0	N	A	68.3	-15.2	0.0	-6.0	0.0	0.0	59.1
88	17613135.06	4824938.85	3.66	0	D	A	73.7	-15.0	0.0	-5.8	0.0	0.0	64.4
88	17613135.06	4824938.85	3.66	0	N	A	68.3	-15.0	0.0	-5.8	0.0	0.0	59.0
90	17613118.71	4824917.46	3.66	0	D	A	73.7	-16.1	0.0	-5.5	0.0	0.0	63.0
90	17613118.71	4824917.46	3.66	0	N	A	68.3	-16.1	0.0	-5.5	0.0	0.0	57.6
94	17613107.25	4824902.48	3.66	0	D	A	73.7	-21.3	0.0	32.4	0.0	0.0	20.0
94	17613107.25	4824902.48	3.66	0	N	A	68.3	-21.3	0.0	32.4	0.0	0.0	14.6
98	17613093.48	4824884.47	3.66	0	D	A	73.7	-17.8	0.0	34.3	0.0	0.0	21.6
98	17613093.48	4824884.47	3.66	0	N	A	68.3	-17.8	0.0	34.3	0.0	0.0	16.2

Road, TNM, Name: "QEW", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
101	17613065.06	4824847.30	3.67	0	D	A	73.7	-18.2	0.0	33.7	0.0	0.0	21.7
101	17613065.06	4824847.30	3.67	0	N	A	68.3	-18.2	0.0	33.7	0.0	0.0	16.3
103	17613029.20	4824800.40	3.67	0	D	A	73.7	-21.1	0.0	33.1	0.0	0.0	19.5
103	17613029.20	4824800.40	3.67	0	N	A	68.3	-21.1	0.0	33.1	0.0	0.0	14.1
107	17612975.40	4824730.04	3.67	0	D	A	73.7	-21.2	0.0	32.5	0.0	0.0	19.9
107	17612975.40	4824730.04	3.67	0	N	A	68.3	-21.2	0.0	32.5	0.0	0.0	14.6
110	17612903.67	4824636.23	3.68	0	D	A	73.7	-24.3	0.0	32.2	0.0	0.0	17.2
110	17612903.67	4824636.23	3.68	0	N	A	68.3	-24.3	0.0	32.2	0.0	0.0	11.8
114	17612831.94	4824542.43	3.69	0	D	A	73.7	-26.6	0.0	31.9	0.0	0.0	15.2
117	17613387.03	4825309.54	3.64	0	D	A	73.7	-26.0	0.0	2.1	0.0	0.0	45.6
117	17613387.03	4825309.54	3.64	0	N	A	68.3	-26.0	0.0	2.1	0.0	0.0	40.2
119	17613324.98	4825228.39	3.64	0	D	A	73.7	-23.8	0.0	1.3	0.0	0.0	48.6
119	17613324.98	4825228.39	3.64	0	N	A	68.3	-23.8	0.0	1.3	0.0	0.0	43.2
121	17613262.94	4825147.25	3.65	0	D	A	73.7	-20.8	0.0	0.2	0.0	0.0	52.6
121	17613262.94	4825147.25	3.65	0	N	A	68.3	-20.8	0.0	0.2	0.0	0.0	47.2
122	17613216.40	4825086.38	3.65	0	D	A	73.7	-21.1	0.0	-0.9	0.0	0.0	53.4
122	17613216.40	4825086.38	3.65	0	N	A	68.3	-21.1	0.0	-0.9	0.0	0.0	48.0
123	17613185.37	4825045.81	3.65	0	D	A	73.7	-18.8	0.0	-1.6	0.0	0.0	56.5
123	17613185.37	4825045.81	3.65	0	N	A	68.3	-18.8	0.0	-1.6	0.0	0.0	51.1
124	17613158.46	4825010.61	3.66	0	D	A	73.7	-18.0	0.0	-5.5	0.0	0.0	61.1
124	17613158.46	4825010.61	3.66	0	N	A	68.3	-18.0	0.0	-5.5	0.0	0.0	55.7
125	17613135.65	4824980.78	3.66	0	D	A	73.7	-16.7	0.0	-5.4	0.0	0.0	62.4
125	17613135.65	4824980.78	3.66	0	N	A	68.3	-16.7	0.0	-5.4	0.0	0.0	57.0
127	17613112.84	4824950.95	3.66	0	D	A	73.7	-16.5	0.0	-5.0	0.0	0.0	62.1
127	17613112.84	4824950.95	3.66	0	N	A	68.3	-16.5	0.0	-5.0	0.0	0.0	56.8
128	17613090.04	4824921.12	3.66	0	D	A	73.7	-17.6	0.0	-4.2	0.0	0.0	60.2
128	17613090.04	4824921.12	3.66	0	N	A	68.3	-17.6	0.0	-4.2	0.0	0.0	54.9
133	17613074.06	4824900.23	3.66	0	D	A	73.7	-22.8	0.0	33.5	0.0	0.0	17.4
133	17613074.06	4824900.23	3.66	0	N	A	68.3	-22.8	0.0	33.5	0.0	0.0	12.1
137	17613054.86	4824875.11	3.66	0	D	A	73.7	-19.2	0.0	34.2	0.0	0.0	20.3
137	17613054.86	4824875.11	3.66	0	N	A	68.3	-19.2	0.0	34.2	0.0	0.0	14.9
138	17613023.72	4824834.40	3.67	0	D	A	73.7	-21.0	0.0	33.1	0.0	0.0	19.6
138	17613023.72	4824834.40	3.67	0	N	A	68.3	-21.0	0.0	33.1	0.0	0.0	14.2
141	17612990.72	4824791.24	3.67	0	D	A	73.7	-23.1	0.0	32.7	0.0	0.0	17.9
141	17612990.72	4824791.24	3.67	0	N	A	68.3	-23.1	0.0	32.7	0.0	0.0	12.5
145	17612941.22	4824726.50	3.67	0	D	A	73.7	-22.5	0.0	32.3	0.0	0.0	18.9
145	17612941.22	4824726.50	3.67	0	N	A	68.3	-22.5	0.0	32.3	0.0	0.0	13.5
148	17612842.22	4824597.02	3.68	0	D	A	73.7	-22.9	0.0	32.0	0.0	0.0	18.8
148	17612842.22	4824597.02	3.68	0	N	A	68.3	-22.9	0.0	32.0	0.0	0.0	13.4
152	17613405.17	4825292.11	5.06	0	D	A	71.6	-25.6	0.0	1.6	0.0	0.0	44.4
152	17613405.17	4825292.11	5.06	0	N	A	66.2	-25.6	0.0	1.6	0.0	0.0	39.0
154	17613339.68	4825206.45	5.07	0	D	A	71.6	-23.2	0.0	1.5	0.0	0.0	47.0
154	17613339.68	4825206.45	5.07	0	N	A	66.2	-23.2	0.0	1.5	0.0	0.0	41.6
158	17613274.18	4825120.80	5.07	0	D	A	71.6	-19.8	0.0	-0.8	0.0	0.0	52.6
158	17613274.18	4825120.80	5.07	0	N	A	66.2	-19.8	0.0	-0.8	0.0	0.0	47.2
161	17613225.06	4825056.56	5.08	0	D	A	71.6	-19.4	0.0	-2.6	0.0	0.0	54.9
161	17613225.06	4825056.56	5.08	0	N	A	66.2	-19.4	0.0	-2.6	0.0	0.0	49.5
165	17613200.50	4825024.44	5.08	0	D	A	71.6	-20.1	0.0	-3.3	0.0	0.0	54.8
165	17613200.50	4825024.44	5.08	0	N	A	66.2	-20.1	0.0	-3.3	0.0	0.0	49.4
167	17613184.13	4825003.02	5.08	0	D	A	71.6	-18.4	0.0	-2.0	0.0	0.0	55.3
167	17613184.13	4825003.02	5.08	0	N	A	66.2	-18.4	0.0	-2.0	0.0	0.0	49.9
170	17613167.77	4824981.62	5.08	0	D	A	71.6	-16.6	0.0	-5.7	0.0	0.0	60.7
170	17613167.77	4824981.62	5.08	0	N	A	66.2	-16.6	0.0	-5.7	0.0	0.0	55.4
172	17613151.41	4824960.24	5.08	0	D	A	71.6	-15.2	0.0	-6.0	0.0	0.0	62.4
172	17613151.41	4824960.24	5.08	0	N	A	66.2	-15.2	0.0	-6.0	0.0	0.0	57.0
173	17613135.06	4824938.85	5.08	0	D	A	71.6	-15.0	0.0	-5.1	0.0	0.0	61.7
173	17613135.06	4824938.85	5.08	0	N	A	66.2	-15.0	0.0	-5.1	0.0	0.0	56.3
175	17613118.71	4824917.46	5.09	0	D	A	71.6	-16.1	0.0	-3.1	0.0	0.0	58.6
175	17613118.71	4824917.46	5.09	0	N	A	66.2	-16.1	0.0	-3.1	0.0	0.0	53.2
180	17613107.25	4824902.48	5.09	0	D	A	71.6	-21.3	0.0	32.8	0.0	0.0	17.5
180	17613107.25	4824902.48	5.09	0	N	A	66.2	-21.3	0.0	32.8	0.0	0.0	12.1
184	17613093.48	4824884.47	5.09	0	D	A	71.6	-17.8	0.0	34.1	0.0	0.0	19.7
184	17613093.48	4824884.47	5.09	0	N	A	66.2	-17.8	0.0	34.1	0.0	0.0	14.4

Road, TNM, Name: "QEW", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
187	17613065.06	4824847.30	5.09	0	D	A	71.6	-18.2	0.0	32.2	0.0	0.0	21.2
187	17613065.06	4824847.30	5.09	0	N	A	66.2	-18.2	0.0	32.2	0.0	0.0	15.8
189	17613029.20	4824800.40	5.09	0	D	A	71.6	-21.1	0.0	33.0	0.0	0.0	17.5
189	17613029.20	4824800.40	5.09	0	N	A	66.2	-21.1	0.0	33.0	0.0	0.0	12.1
190	17612975.40	4824730.04	5.10	0	D	A	71.6	-21.2	0.0	32.8	0.0	0.0	17.6
190	17612975.40	4824730.04	5.10	0	N	A	66.2	-21.2	0.0	32.8	0.0	0.0	12.2
191	17612903.67	4824636.23	5.10	0	D	A	71.6	-24.3	0.0	32.1	0.0	0.0	15.3
195	17612831.94	4824542.43	5.11	0	D	A	71.6	-26.6	0.0	31.5	0.0	0.0	13.6
196	17613387.03	4825309.54	5.06	0	D	A	71.6	-26.0	0.0	1.6	0.0	0.0	44.0
196	17613387.03	4825309.54	5.06	0	N	A	66.2	-26.0	0.0	1.6	0.0	0.0	38.6
198	17613324.98	4825228.39	5.07	0	D	A	71.6	-23.8	0.0	1.5	0.0	0.0	46.3
198	17613324.98	4825228.39	5.07	0	N	A	66.2	-23.8	0.0	1.5	0.0	0.0	41.0
199	17613262.94	4825147.25	5.07	0	D	A	71.6	-20.8	0.0	0.4	0.0	0.0	50.4
199	17613262.94	4825147.25	5.07	0	N	A	66.2	-20.8	0.0	0.4	0.0	0.0	45.0
201	17613216.40	4825086.38	5.08	0	D	A	71.6	-21.1	0.0	-1.6	0.0	0.0	52.1
201	17613216.40	4825086.38	5.08	0	N	A	66.2	-21.1	0.0	-1.6	0.0	0.0	46.7
202	17613185.37	4825045.81	5.08	0	D	A	71.6	-18.8	0.0	-2.9	0.0	0.0	55.8
202	17613185.37	4825045.81	5.08	0	N	A	66.2	-18.8	0.0	-2.9	0.0	0.0	50.4
206	17613158.46	4825010.61	5.08	0	D	A	71.6	-18.0	0.0	-4.4	0.0	0.0	58.0
206	17613158.46	4825010.61	5.08	0	N	A	66.2	-18.0	0.0	-4.4	0.0	0.0	52.6
210	17613135.65	4824980.78	5.08	0	D	A	71.6	-16.7	0.0	-5.9	0.0	0.0	60.9
210	17613135.65	4824980.78	5.08	0	N	A	66.2	-16.7	0.0	-5.9	0.0	0.0	55.5
213	17613112.84	4824950.95	5.08	0	D	A	71.6	-16.5	0.0	-4.7	0.0	0.0	59.9
213	17613112.84	4824950.95	5.08	0	N	A	66.2	-16.5	0.0	-4.7	0.0	0.0	54.5
217	17613090.04	4824921.12	5.09	0	D	A	71.6	-17.6	0.0	-5.1	0.0	0.0	59.2
217	17613090.04	4824921.12	5.09	0	N	A	66.2	-17.6	0.0	-5.1	0.0	0.0	53.8
220	17613074.06	4824900.23	5.09	0	D	A	71.6	-22.8	0.0	31.5	0.0	0.0	17.4
220	17613074.06	4824900.23	5.09	0	N	A	66.2	-22.8	0.0	31.5	0.0	0.0	12.0
225	17613054.86	4824875.11	5.09	0	D	A	71.6	-19.2	0.0	32.6	0.0	0.0	19.8
225	17613054.86	4824875.11	5.09	0	N	A	66.2	-19.2	0.0	32.6	0.0	0.0	14.4
226	17613023.72	4824834.40	5.09	0	D	A	71.6	-21.0	0.0	32.0	0.0	0.0	18.6
226	17613023.72	4824834.40	5.09	0	N	A	66.2	-21.0	0.0	32.0	0.0	0.0	13.2
229	17612990.72	4824791.24	5.10	0	D	A	71.6	-23.1	0.0	33.0	0.0	0.0	15.5
229	17612990.72	4824791.24	5.10	0	N	A	66.2	-23.1	0.0	33.0	0.0	0.0	10.2
231	17612941.22	4824726.50	5.10	0	D	A	71.6	-22.5	0.0	32.7	0.0	0.0	16.5
231	17612941.22	4824726.50	5.10	0	N	A	66.2	-22.5	0.0	32.7	0.0	0.0	11.1
233	17612842.22	4824597.02	5.11	0	D	A	71.6	-22.9	0.0	31.6	0.0	0.0	17.1
233	17612842.22	4824597.02	5.11	0	N	A	66.2	-22.9	0.0	31.6	0.0	0.0	11.7
235	17613405.17	4825292.11	7.20	0	D	A	57.7	-25.6	0.0	0.3	0.0	0.0	31.8
235	17613405.17	4825292.11	7.20	0	N	A	52.4	-25.6	0.0	0.3	0.0	0.0	26.4
237	17613339.68	4825206.45	7.20	0	D	A	57.7	-23.2	0.0	-0.4	0.0	0.0	35.0
237	17613339.68	4825206.45	7.20	0	N	A	52.4	-23.2	0.0	-0.4	0.0	0.0	29.6
238	17613274.18	4825120.80	7.21	0	D	A	57.7	-19.8	0.0	-1.1	0.0	0.0	39.1
238	17613274.18	4825120.80	7.21	0	N	A	52.4	-19.8	0.0	-1.1	0.0	0.0	33.7
240	17613225.06	4825056.56	7.21	0	D	A	57.7	-19.4	0.0	-1.4	0.0	0.0	39.8
240	17613225.06	4825056.56	7.21	0	N	A	52.4	-19.4	0.0	-1.4	0.0	0.0	34.4
243	17613200.50	4825024.44	7.21	0	D	A	57.7	-20.1	0.0	-1.6	0.0	0.0	39.2
243	17613200.50	4825024.44	7.21	0	N	A	52.4	-20.1	0.0	-1.6	0.0	0.0	33.8
245	17613184.13	4825003.02	7.22	0	D	A	57.7	-18.4	0.0	-2.7	0.0	0.0	42.1
245	17613184.13	4825003.02	7.22	0	N	A	52.4	-18.4	0.0	-2.7	0.0	0.0	36.7
247	17613167.77	4824981.62	7.22	0	D	A	57.7	-16.6	0.0	-5.1	0.0	0.0	46.2
247	17613167.77	4824981.62	7.22	0	N	A	52.4	-16.6	0.0	-5.1	0.0	0.0	40.8
253	17613151.41	4824960.24	7.22	0	D	A	57.7	-15.2	0.0	-6.0	0.0	0.0	48.5
253	17613151.41	4824960.24	7.22	0	N	A	52.4	-15.2	0.0	-6.0	0.0	0.0	43.2
255	17613135.06	4824938.85	7.22	0	D	A	57.7	-15.0	0.0	-5.3	0.0	0.0	48.0
255	17613135.06	4824938.85	7.22	0	N	A	52.4	-15.0	0.0	-5.3	0.0	0.0	42.6
258	17613118.71	4824917.46	7.22	0	D	A	57.7	-16.1	0.0	-5.3	0.0	0.0	46.9
258	17613118.71	4824917.46	7.22	0	N	A	52.4	-16.1	0.0	-5.3	0.0	0.0	41.6
282	17613387.03	4825309.54	7.20	0	D	A	57.7	-26.0	0.0	0.4	0.0	0.0	31.4
282	17613387.03	4825309.54	7.20	0	N	A	52.4	-26.0	0.0	0.4	0.0	0.0	26.0
283	17613324.98	4825228.39	7.20	0	D	A	57.7	-23.8	0.0	-0.3	0.0	0.0	34.3
283	17613324.98	4825228.39	7.20	0	N	A	52.4	-23.8	0.0	-0.3	0.0	0.0	28.9
284	17613262.94	4825147.25	7.21	0	D	A	57.7	-20.8	0.0	-0.8	0.0	0.0	37.7

Road, TNM, Name: "QEW", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
284	17613262.94	4825147.25	7.21	0	N	A	52.4	-20.8	0.0	-0.8	0.0	0.0	32.3
286	17613216.40	4825086.38	7.21	0	D	A	57.7	-21.1	0.0	-1.2	0.0	0.0	37.8
286	17613216.40	4825086.38	7.21	0	N	A	52.4	-21.1	0.0	-1.2	0.0	0.0	32.4
287	17613185.37	4825045.81	7.21	0	D	A	57.7	-18.8	0.0	-2.3	0.0	0.0	41.3
287	17613185.37	4825045.81	7.21	0	N	A	52.4	-18.8	0.0	-2.3	0.0	0.0	35.9
290	17613158.46	4825010.61	7.22	0	D	A	57.7	-18.0	0.0	-5.3	0.0	0.0	45.1
290	17613158.46	4825010.61	7.22	0	N	A	52.4	-18.0	0.0	-5.3	0.0	0.0	39.7
293	17613135.65	4824980.78	7.22	0	D	A	57.7	-16.7	0.0	-4.8	0.0	0.0	45.9
293	17613135.65	4824980.78	7.22	0	N	A	52.4	-16.7	0.0	-4.8	0.0	0.0	40.5
296	17613112.84	4824950.95	7.22	0	D	A	57.7	-16.5	0.0	-5.4	0.0	0.0	46.7
296	17613112.84	4824950.95	7.22	0	N	A	52.4	-16.5	0.0	-5.4	0.0	0.0	41.3
299	17613090.04	4824921.12	7.22	0	D	A	57.7	-17.6	0.0	-5.1	0.0	0.0	45.3
299	17613090.04	4824921.12	7.22	0	N	A	52.4	-17.6	0.0	-5.1	0.0	0.0	39.9

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_ "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
328	17613165.79	4824952.94	5.08	0	D	A	60.7	-15.5	0.0	-6.0	0.0	0.0	51.2
328	17613165.79	4824952.94	5.08	0	N	A	50.6	-15.5	0.0	-6.0	0.0	0.0	41.1
330	17613175.05	4824965.55	5.05	0	D	A	60.7	-16.7	0.0	-5.6	0.0	0.0	49.5
330	17613175.05	4824965.55	5.05	0	N	A	50.6	-16.7	0.0	-5.6	0.0	0.0	39.4
331	17613186.57	4824981.21	5.00	0	D	A	60.7	-16.7	0.0	-1.9	0.0	0.0	45.9
331	17613186.57	4824981.21	5.00	0	N	A	50.6	-16.7	0.0	-1.9	0.0	0.0	35.8
332	17613168.45	4824949.81	5.08	0	D	A	60.7	-15.3	0.0	-6.0	0.0	0.0	51.3
332	17613168.45	4824949.81	5.08	0	N	A	50.6	-15.3	0.0	-6.0	0.0	0.0	41.2
335	17613176.60	4824960.90	5.05	0	D	A	60.7	-16.5	0.0	-5.8	0.0	0.0	49.9
335	17613176.60	4824960.90	5.05	0	N	A	50.6	-16.5	0.0	-5.8	0.0	0.0	39.8
336	17613188.67	4824977.32	5.00	0	D	A	60.7	-15.6	0.0	-2.8	0.0	0.0	47.9
336	17613188.67	4824977.32	5.00	0	N	A	50.6	-15.6	0.0	-2.8	0.0	0.0	37.8
339	17613143.27	4824923.92	5.10	0	D	A	60.7	-14.4	0.0	-5.7	0.0	0.0	52.0
339	17613143.27	4824923.92	5.10	0	N	A	50.6	-14.4	0.0	-5.7	0.0	0.0	41.9
341	17613155.22	4824939.10	5.10	0	D	A	60.7	-13.9	0.0	-5.6	0.0	0.0	52.4
341	17613155.22	4824939.10	5.10	0	N	A	50.6	-13.9	0.0	-5.6	0.0	0.0	42.2
344	17613146.41	4824921.45	5.10	0	D	A	60.7	-13.7	0.0	-6.0	0.0	0.0	53.0
344	17613146.41	4824921.45	5.10	0	N	A	50.6	-13.7	0.0	-6.0	0.0	0.0	42.9
347	17613158.36	4824936.63	5.10	0	D	A	60.7	-13.1	0.0	-6.0	0.0	0.0	53.6
347	17613158.36	4824936.63	5.10	0	N	A	50.6	-13.1	0.0	-6.0	0.0	0.0	43.5
351	17613165.79	4824952.94	6.51	0	D	A	59.0	-15.5	0.0	-6.0	0.0	0.0	49.6
351	17613165.79	4824952.94	6.51	0	N	A	48.6	-15.5	0.0	-6.0	0.0	0.0	39.1
355	17613175.05	4824965.55	6.47	0	D	A	59.0	-16.7	0.0	-5.8	0.0	0.0	48.1
355	17613175.05	4824965.55	6.47	0	N	A	48.6	-16.7	0.0	-5.8	0.0	0.0	37.6
356	17613186.57	4824981.21	6.42	0	D	A	59.0	-16.7	0.0	-2.2	0.0	0.0	44.5
356	17613186.57	4824981.21	6.42	0	N	A	48.6	-16.7	0.0	-2.2	0.0	0.0	34.0
358	17613168.45	4824949.81	6.51	0	D	A	59.0	-15.3	0.0	-6.0	0.0	0.0	49.7
358	17613168.45	4824949.81	6.51	0	N	A	48.6	-15.3	0.0	-6.0	0.0	0.0	39.3
360	17613176.60	4824960.90	6.48	0	D	A	59.0	-16.5	0.0	-6.0	0.0	0.0	48.5
360	17613176.60	4824960.90	6.48	0	N	A	48.6	-16.5	0.0	-6.0	0.0	0.0	38.1
362	17613188.67	4824977.32	6.43	0	D	A	59.0	-15.6	0.0	-3.3	0.0	0.0	46.8
362	17613188.67	4824977.32	6.43	0	N	A	48.6	-15.6	0.0	-3.3	0.0	0.0	36.4
364	17613143.27	4824923.92	6.53	0	D	A	59.0	-14.4	0.0	-5.5	0.0	0.0	50.1
364	17613143.27	4824923.92	6.53	0	N	A	48.6	-14.4	0.0	-5.5	0.0	0.0	39.7
365	17613155.22	4824939.10	6.53	0	D	A	59.0	-13.9	0.0	-6.0	0.0	0.0	51.2
365	17613155.22	4824939.10	6.53	0	N	A	48.6	-13.9	0.0	-6.0	0.0	0.0	40.7
366	17613146.41	4824921.45	6.53	0	D	A	59.0	-13.7	0.0	-6.0	0.0	0.0	51.3
366	17613146.41	4824921.45	6.53	0	N	A	48.6	-13.7	0.0	-6.0	0.0	0.0	40.9
368	17613158.36	4824936.63	6.53	0	D	A	59.0	-13.1	0.0	-6.0	0.0	0.0	51.9
368	17613158.36	4824936.63	6.53	0	N	A	48.6	-13.1	0.0	-6.0	0.0	0.0	41.4
455	17613134.80	4824911.58	5.10	0	D	A	60.7	-18.2	0.0	-5.7	0.0	0.0	48.2
455	17613134.80	4824911.58	5.10	0	N	A	50.6	-18.2	0.0	-5.7	0.0	0.0	38.1
467	17613138.85	4824910.71	5.10	0	D	A	60.7	-18.6	0.0	-5.9	0.0	0.0	47.9
467	17613138.85	4824910.71	5.10	0	N	A	50.6	-18.6	0.0	-5.9	0.0	0.0	37.8
468	17613201.18	4825001.51	4.91	0	D	A	60.7	-18.2	0.0	-1.6	0.0	0.0	44.1
468	17613201.18	4825001.51	4.91	0	N	A	50.6	-18.2	0.0	-1.6	0.0	0.0	34.0

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
469	17613216.68	4825023.47	4.77	0	D	A	60.7	-20.2	0.0	-1.7	0.0	0.0	42.2
469	17613216.68	4825023.47	4.77	0	N	A	50.6	-20.2	0.0	-1.7	0.0	0.0	32.1
470	17613204.44	4824999.21	4.91	0	D	A	60.7	-18.1	0.0	-1.9	0.0	0.0	44.5
470	17613204.44	4824999.21	4.91	0	N	A	50.6	-18.1	0.0	-1.9	0.0	0.0	34.4
472	17613219.95	4825021.17	4.77	0	D	A	60.7	-20.1	0.0	-1.8	0.0	0.0	42.3
472	17613219.95	4825021.17	4.77	0	N	A	50.6	-20.1	0.0	-1.8	0.0	0.0	32.3
586	17613134.80	4824911.58	6.53	0	D	A	59.0	-18.2	0.0	-5.9	0.0	0.0	46.7
586	17613134.80	4824911.58	6.53	0	N	A	48.6	-18.2	0.0	-5.9	0.0	0.0	36.2
605	17613138.85	4824910.71	6.53	0	D	A	59.0	-18.6	0.0	-4.5	0.0	0.0	44.9
605	17613138.85	4824910.71	6.53	0	N	A	48.6	-18.6	0.0	-4.5	0.0	0.0	34.4
622	17613201.18	4825001.51	6.33	0	D	A	59.0	-18.2	0.0	-1.8	0.0	0.0	42.5
622	17613201.18	4825001.51	6.33	0	N	A	48.6	-18.2	0.0	-1.8	0.0	0.0	32.0
624	17613216.68	4825023.47	6.20	0	D	A	59.0	-20.2	0.0	-3.2	0.0	0.0	42.0
624	17613216.68	4825023.47	6.20	0	N	A	48.6	-20.2	0.0	-3.2	0.0	0.0	31.5
626	17613204.44	4824999.21	6.33	0	D	A	59.0	-18.1	0.0	-1.7	0.0	0.0	42.7
626	17613204.44	4824999.21	6.33	0	N	A	48.6	-18.1	0.0	-1.7	0.0	0.0	32.1
628	17613219.95	4825021.17	6.20	0	D	A	59.0	-20.1	0.0	-3.2	0.0	0.0	42.1
628	17613219.95	4825021.17	6.20	0	N	A	48.6	-20.1	0.0	-3.2	0.0	0.0	31.7
1051	17613237.74	4825054.07	4.58	0	D	A	60.7	-20.0	0.0	-1.4	0.0	0.0	42.1
1051	17613237.74	4825054.07	4.58	0	N	A	50.6	-20.0	0.0	-1.4	0.0	0.0	32.0
1052	17613241.05	4825051.82	4.58	0	D	A	60.7	-19.9	0.0	-1.4	0.0	0.0	42.2
1052	17613241.05	4825051.82	4.58	0	N	A	50.6	-19.9	0.0	-1.4	0.0	0.0	32.1
1086	17613237.74	4825054.07	6.01	0	D	A	59.0	-20.0	0.0	-2.3	0.0	0.0	41.4
1086	17613237.74	4825054.07	6.01	0	N	A	48.6	-20.0	0.0	-2.3	0.0	0.0	30.9
1088	17613241.05	4825051.82	6.01	0	D	A	59.0	-19.9	0.0	-2.4	0.0	0.0	41.5
1088	17613241.05	4825051.82	6.01	0	N	A	48.6	-19.9	0.0	-2.4	0.0	0.0	31.0
1253	17613258.51	4825083.76	4.40	0	D	A	60.7	-24.7	0.0	-0.7	0.0	0.0	36.7
1253	17613258.51	4825083.76	4.40	0	N	A	50.6	-24.7	0.0	-0.7	0.0	0.0	26.6
1255	17613261.73	4825081.38	4.40	0	D	A	60.7	-24.6	0.0	-0.7	0.0	0.0	36.8
1255	17613261.73	4825081.38	4.40	0	N	A	50.6	-24.6	0.0	-0.7	0.0	0.0	26.7
1306	17613258.51	4825083.76	5.83	0	D	A	59.0	-24.7	0.0	-1.3	0.0	0.0	35.6
1306	17613258.51	4825083.76	5.83	0	N	A	48.6	-24.7	0.0	-1.3	0.0	0.0	25.3
1307	17613261.73	4825081.38	5.83	0	D	A	59.0	-24.6	0.0	-1.3	0.0	0.0	35.7
1307	17613261.73	4825081.38	5.83	0	N	A	48.6	-24.6	0.0	-1.3	0.0	0.0	25.4

Road, TNM, Name: "QEW Off-Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
370	17613073.33	4824991.63	2.38	0	D	A	61.8	-18.7	0.0	-5.0	0.0	0.0	48.1
370	17613073.33	4824991.63	2.38	0	N	A	55.7	-18.7	0.0	-5.0	0.0	0.0	42.0
371	17613025.90	4824957.38	2.31	0	D	A	61.8	-20.2	0.0	-5.0	0.0	0.0	46.7
371	17613025.90	4824957.38	2.31	0	N	A	55.7	-20.2	0.0	-5.0	0.0	0.0	40.5
373	17613070.99	4824994.87	2.38	0	D	A	61.8	-18.9	0.0	-4.7	0.0	0.0	47.6
373	17613070.99	4824994.87	2.38	0	N	A	55.7	-18.9	0.0	-4.7	0.0	0.0	41.5
374	17613023.56	4824960.62	2.31	0	D	A	61.8	-20.4	0.0	-4.1	0.0	0.0	45.5
374	17613023.56	4824960.62	2.31	0	N	A	55.7	-20.4	0.0	-4.1	0.0	0.0	39.4
474	17613290.56	4825192.53	1.22	0	D	A	61.8	-23.5	0.0	-2.8	0.0	0.0	41.1
474	17613290.56	4825192.53	1.22	0	N	A	55.7	-23.5	0.0	-2.8	0.0	0.0	35.0
475	17613236.87	4825129.95	1.68	0	D	A	61.8	-21.0	0.0	-3.4	0.0	0.0	44.2
475	17613236.87	4825129.95	1.68	0	N	A	55.7	-21.0	0.0	-3.4	0.0	0.0	38.1
476	17613287.52	4825195.13	1.22	0	D	A	61.8	-23.5	0.0	-2.8	0.0	0.0	41.1
476	17613287.52	4825195.13	1.22	0	N	A	55.7	-23.5	0.0	-2.8	0.0	0.0	34.9
477	17613233.84	4825132.56	1.68	0	D	A	61.8	-21.1	0.0	-3.4	0.0	0.0	44.1
477	17613233.84	4825132.56	1.68	0	N	A	55.7	-21.1	0.0	-3.4	0.0	0.0	38.0
478	17613073.33	4824991.63	3.81	0	D	A	59.6	-18.7	0.0	-2.7	0.0	0.0	43.6
478	17613073.33	4824991.63	3.81	0	N	A	53.4	-18.7	0.0	-2.7	0.0	0.0	37.5
479	17613025.90	4824957.38	3.74	0	D	A	59.6	-20.2	0.0	-1.0	0.0	0.0	40.5
479	17613025.90	4824957.38	3.74	0	N	A	53.4	-20.2	0.0	-1.0	0.0	0.0	34.3
481	17613070.99	4824994.87	3.81	0	D	A	59.6	-18.9	0.0	-4.1	0.0	0.0	44.7
481	17613070.99	4824994.87	3.81	0	N	A	53.4	-18.9	0.0	-4.1	0.0	0.0	38.6
484	17613023.56	4824960.62	3.74	0	D	A	59.6	-20.4	0.0	-4.1	0.0	0.0	43.4
484	17613023.56	4824960.62	3.74	0	N	A	53.4	-20.4	0.0	-4.1	0.0	0.0	37.2
606	17613187.29	4825076.22	2.07	0	D	A	61.8	-19.6	0.0	-3.9	0.0	0.0	46.1

Road, TNM, Name: "QEW Off-Ramp", ID: "a "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
606	17613187.29	4825076.22	2.07	0	N	A	55.7	-19.6	0.0	-3.9	0.0	0.0	40.0
607	17613162.92	4825052.18	2.24	0	D	A	61.8	-29.6	0.0	-5.2	0.0	0.0	37.5
607	17613162.92	4825052.18	2.24	0	N	A	55.7	-29.6	0.0	-5.2	0.0	0.0	31.3
608	17613185.45	4825080.03	2.06	0	D	A	61.8	-20.0	0.0	-3.8	0.0	0.0	45.7
608	17613185.45	4825080.03	2.06	0	N	A	55.7	-20.0	0.0	-3.8	0.0	0.0	39.5
610	17613161.08	4825055.98	2.24	0	D	A	61.8	-27.9	0.0	-4.5	0.0	0.0	38.4
610	17613161.08	4825055.98	2.24	0	N	A	55.7	-27.9	0.0	-4.5	0.0	0.0	32.3
668	17613290.56	4825192.53	2.64	0	D	A	59.6	-23.5	0.0	-2.0	0.0	0.0	38.2
668	17613290.56	4825192.53	2.64	0	N	A	53.4	-23.5	0.0	-2.0	0.0	0.0	32.0
669	17613236.87	4825129.95	3.10	0	D	A	59.6	-21.0	0.0	-1.4	0.0	0.0	40.1
669	17613236.87	4825129.95	3.10	0	N	A	53.4	-21.0	0.0	-1.4	0.0	0.0	33.9
671	17613287.52	4825195.13	2.64	0	D	A	59.6	-23.5	0.0	-2.0	0.0	0.0	38.1
671	17613287.52	4825195.13	2.64	0	N	A	53.4	-23.5	0.0	-2.0	0.0	0.0	31.9
672	17613233.84	4825132.56	3.10	0	D	A	59.6	-21.1	0.0	-1.5	0.0	0.0	40.0
672	17613233.84	4825132.56	3.10	0	N	A	53.4	-21.1	0.0	-1.5	0.0	0.0	33.8
860	17613113.42	4825019.23	2.41	0	D	A	61.8	-19.9	0.0	-5.7	0.0	0.0	47.6
860	17613113.42	4825019.23	2.41	0	N	A	55.7	-19.9	0.0	-5.7	0.0	0.0	41.5
861	17613111.26	4825022.60	2.41	0	D	A	61.8	-20.1	0.0	-5.6	0.0	0.0	47.3
861	17613111.26	4825022.60	2.41	0	N	A	55.7	-20.1	0.0	-5.6	0.0	0.0	41.2
909	17613145.39	4825040.00	2.33	0	D	A	61.8	-20.4	0.0	-5.5	0.0	0.0	47.0
909	17613145.39	4825040.00	2.33	0	N	A	55.7	-20.4	0.0	-5.5	0.0	0.0	40.8
912	17613143.19	4825043.34	2.33	0	D	A	61.8	-20.6	0.0	-5.1	0.0	0.0	46.3
912	17613143.19	4825043.34	2.33	0	N	A	55.7	-20.6	0.0	-5.1	0.0	0.0	40.2
913	17613187.29	4825076.22	3.49	0	D	A	59.6	-19.6	0.0	-0.6	0.0	0.0	40.6
913	17613187.29	4825076.22	3.49	0	N	A	53.4	-19.6	0.0	-0.6	0.0	0.0	34.4
916	17613162.92	4825052.18	3.67	0	D	A	59.6	-29.6	0.0	-2.6	0.0	0.0	32.6
916	17613162.92	4825052.18	3.67	0	N	A	53.4	-29.6	0.0	-2.6	0.0	0.0	26.5
917	17613185.45	4825080.03	3.48	0	D	A	59.6	-20.0	0.0	-0.7	0.0	0.0	40.3
917	17613185.45	4825080.03	3.48	0	N	A	53.4	-20.0	0.0	-0.7	0.0	0.0	34.1
919	17613161.08	4825055.98	3.66	0	D	A	59.6	-27.9	0.0	-2.5	0.0	0.0	34.2
919	17613161.08	4825055.98	3.66	0	N	A	53.4	-27.9	0.0	-2.5	0.0	0.0	28.1
1082	17613113.42	4825019.23	3.84	0	D	A	59.6	-19.9	0.0	-5.2	0.0	0.0	44.9
1082	17613113.42	4825019.23	3.84	0	N	A	53.4	-19.9	0.0	-5.2	0.0	0.0	38.7
1083	17613111.26	4825022.60	3.84	0	D	A	59.6	-20.1	0.0	-5.1	0.0	0.0	44.5
1083	17613111.26	4825022.60	3.84	0	N	A	53.4	-20.1	0.0	-5.1	0.0	0.0	38.4
1084	17613145.39	4825040.00	3.75	0	D	A	59.6	-20.4	0.0	-4.2	0.0	0.0	43.4
1084	17613145.39	4825040.00	3.75	0	N	A	53.4	-20.4	0.0	-4.2	0.0	0.0	37.3
1085	17613143.19	4825043.34	3.75	0	D	A	59.6	-20.6	0.0	-4.5	0.0	0.0	43.5
1085	17613143.19	4825043.34	3.75	0	N	A	53.4	-20.6	0.0	-4.5	0.0	0.0	37.4
1441	17613073.33	4824991.63	5.94	0	D	A	41.0	-18.7	0.0	-5.2	0.0	0.0	27.4
1441	17613073.33	4824991.63	5.94	0	N	A	33.2	-18.7	0.0	-5.2	0.0	0.0	19.6
1443	17613025.90	4824957.38	5.87	0	D	A	41.0	-20.2	0.0	-3.9	0.0	0.0	24.7
1443	17613025.90	4824957.38	5.87	0	N	A	33.2	-20.2	0.0	-3.9	0.0	0.0	16.9
1447	17613070.99	4824994.87	5.94	0	D	A	41.0	-18.9	0.0	-4.6	0.0	0.0	26.6
1447	17613070.99	4824994.87	5.94	0	N	A	33.2	-18.9	0.0	-4.6	0.0	0.0	18.8
1449	17613023.56	4824960.62	5.87	0	D	A	41.0	-20.4	0.0	-3.2	0.0	0.0	23.8
1449	17613023.56	4824960.62	5.87	0	N	A	33.2	-20.4	0.0	-3.2	0.0	0.0	16.0
1520	17613290.56	4825192.53	4.78	0	D	A	41.0	-23.5	0.0	0.0	0.0	0.0	17.5
1521	17613236.87	4825129.95	5.24	0	D	A	41.0	-21.0	0.0	-0.6	0.0	0.0	20.6
1521	17613236.87	4825129.95	5.24	0	N	A	33.2	-21.0	0.0	-0.6	0.0	0.0	12.8
1522	17613287.52	4825195.13	4.78	0	D	A	41.0	-23.5	0.0	0.0	0.0	0.0	17.4
1523	17613233.84	4825132.56	5.24	0	D	A	41.0	-21.1	0.0	-0.6	0.0	0.0	20.5
1523	17613233.84	4825132.56	5.24	0	N	A	33.2	-21.1	0.0	-0.6	0.0	0.0	12.7
1529	17613187.29	4825076.22	5.63	0	D	A	41.0	-19.6	0.0	-1.2	0.0	0.0	22.6
1529	17613187.29	4825076.22	5.63	0	N	A	33.2	-19.6	0.0	-1.2	0.0	0.0	14.8
1530	17613162.92	4825052.18	5.80	0	D	A	41.0	-29.6	0.0	-4.0	0.0	0.0	15.4
1531	17613185.45	4825080.03	5.62	0	D	A	41.0	-20.0	0.0	-1.1	0.0	0.0	22.1
1531	17613185.45	4825080.03	5.62	0	N	A	33.2	-20.0	0.0	-1.1	0.0	0.0	14.3
1532	17613161.08	4825055.98	5.80	0	D	A	41.0	-27.9	0.0	-4.7	0.0	0.0	17.8
1536	17613113.42	4825019.23	5.97	0	D	A	41.0	-19.9	0.0	-5.5	0.0	0.0	26.6
1536	17613113.42	4825019.23	5.97	0	N	A	33.2	-19.9	0.0	-5.5	0.0	0.0	18.8
1538	17613111.26	4825022.60	5.97	0	D	A	41.0	-20.1	0.0	-5.3	0.0	0.0	26.2
1538	17613111.26	4825022.60	5.97	0	N	A	33.2	-20.1	0.0	-5.3	0.0	0.0	18.3

Road, TNM, Name: "QEW Off-Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB(A)
1548	17613145.39	4825040.00	5.89	0	D	A	41.0	-20.4	0.0	-4.9	0.0	0.0	25.5
1548	17613145.39	4825040.00	5.89	0	N	A	33.2	-20.4	0.0	-4.9	0.0	0.0	17.7
1549	17613143.19	4825043.34	5.89	0	D	A	41.0	-20.6	0.0	-4.9	0.0	0.0	25.3
1549	17613143.19	4825043.34	5.89	0	N	A	33.2	-20.6	0.0	-4.9	0.0	0.0	17.4

Road, TNM, Name: "HWY 10 ", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	dB	dB	dB	dB(A)
547	17613051.72	4824873.64	2.58	0	D	A	60.5	-21.7	0.0	28.6	0.0	0.0	10.2
550	17613075.24	4824851.19	2.59	0	D	A	60.5	-19.8	0.0	28.7	0.0	0.0	12.0
552	17613101.22	4824826.40	2.60	0	D	A	60.5	-19.3	0.0	29.4	0.0	0.0	11.8
563	17613065.54	4824846.63	2.59	0	D	A	60.5	-20.2	0.0	28.4	0.0	0.0	11.8
565	17613093.38	4824820.05	2.60	0	D	A	60.5	-19.7	0.0	29.1	0.0	0.0	11.7
632	17612990.27	4824943.23	2.23	0	D	A	60.5	-19.2	0.0	-5.0	0.0	0.0	46.3
632	17612990.27	4824943.23	2.23	0	N	A	50.8	-19.2	0.0	-5.0	0.0	0.0	36.6
651	17612979.99	4824939.86	2.21	0	D	A	60.5	-20.0	0.0	-4.3	0.0	0.0	44.7
651	17612979.99	4824939.86	2.21	0	N	A	50.8	-20.0	0.0	-4.3	0.0	0.0	35.1
879	17612990.27	4824943.23	3.66	0	D	A	58.8	-19.2	0.0	-3.5	0.0	0.0	43.0
879	17612990.27	4824943.23	3.66	0	N	A	49.1	-19.2	0.0	-3.5	0.0	0.0	33.4
890	17612979.99	4824939.86	3.64	0	D	A	58.8	-20.0	0.0	-2.6	0.0	0.0	41.4
890	17612979.99	4824939.86	3.64	0	N	A	49.1	-20.0	0.0	-2.6	0.0	0.0	31.7
1089	17612923.11	4825027.43	1.75	0	D	A	60.5	-21.7	0.0	-4.1	0.0	0.0	42.8
1089	17612923.11	4825027.43	1.75	0	N	A	50.8	-21.7	0.0	-4.1	0.0	0.0	33.1
1090	17612915.11	4825021.43	1.75	0	D	A	60.5	-21.9	0.0	-4.7	0.0	0.0	43.3
1090	17612915.11	4825021.43	1.75	0	N	A	50.8	-21.9	0.0	-4.7	0.0	0.0	33.6
1132	17612923.11	4825027.43	3.18	0	D	A	58.8	-21.7	0.0	-4.4	0.0	0.0	41.5
1132	17612923.11	4825027.43	3.18	0	N	A	49.1	-21.7	0.0	-4.4	0.0	0.0	31.8
1133	17612915.11	4825021.43	3.18	0	D	A	58.8	-21.9	0.0	-4.8	0.0	0.0	41.7
1133	17612915.11	4825021.43	3.18	0	N	A	49.1	-21.9	0.0	-4.8	0.0	0.0	32.0
1134	17612835.25	4825131.12	1.11	0	D	A	60.5	-23.6	0.0	-3.6	0.0	0.0	40.5
1134	17612835.25	4825131.12	1.11	0	N	A	50.8	-23.6	0.0	-3.6	0.0	0.0	30.8
1136	17612827.91	4825124.32	1.11	0	D	A	60.5	-23.6	0.0	-2.9	0.0	0.0	39.8
1136	17612827.91	4825124.32	1.11	0	N	A	50.8	-23.6	0.0	-2.9	0.0	0.0	30.1
1202	17612835.25	4825131.12	2.53	0	D	A	58.8	-23.6	0.0	-4.0	0.0	0.0	39.2
1202	17612835.25	4825131.12	2.53	0	N	A	49.1	-23.6	0.0	-4.0	0.0	0.0	29.5
1205	17612827.91	4825124.32	2.53	0	D	A	58.8	-23.6	0.0	-1.3	0.0	0.0	36.5
1205	17612827.91	4825124.32	2.53	0	N	A	49.1	-23.6	0.0	-1.3	0.0	0.0	26.8
1311	17612751.83	4825220.34	0.45	0	D	A	60.5	-28.2	0.0	-3.4	0.0	0.0	35.6
1311	17612751.83	4825220.34	0.45	0	N	A	50.8	-28.2	0.0	-3.4	0.0	0.0	25.9
1312	17612744.58	4825213.46	0.45	0	D	A	60.5	-28.3	0.0	-2.4	0.0	0.0	34.6
1312	17612744.58	4825213.46	0.45	0	N	A	50.8	-28.3	0.0	-2.4	0.0	0.0	24.9
1314	17612751.83	4825220.34	1.87	0	D	A	58.8	-28.2	0.0	-3.2	0.0	0.0	33.7
1314	17612751.83	4825220.34	1.87	0	N	A	49.1	-28.2	0.0	-3.2	0.0	0.0	24.1
1316	17612744.58	4825213.46	1.87	0	D	A	58.8	-28.3	0.0	-2.4	0.0	0.0	33.0
1316	17612744.58	4825213.46	1.87	0	N	A	49.1	-28.3	0.0	-2.4	0.0	0.0	23.3
1397	17612990.27	4824943.23	5.79	0	D	A	43.4	-19.2	0.0	-4.3	0.0	0.0	28.5
1397	17612990.27	4824943.23	5.79	0	N	A	33.8	-19.2	0.0	-4.3	0.0	0.0	18.9
1406	17612979.99	4824939.86	5.77	0	D	A	43.4	-20.0	0.0	-1.6	0.0	0.0	25.0
1406	17612979.99	4824939.86	5.77	0	N	A	33.8	-20.0	0.0	-1.6	0.0	0.0	15.4
1533	17612923.11	4825027.43	5.31	0	D	A	43.4	-21.7	0.0	-1.5	0.0	0.0	23.2
1533	17612923.11	4825027.43	5.31	0	N	A	33.8	-21.7	0.0	-1.5	0.0	0.0	13.5
1535	17612915.11	4825021.43	5.31	0	D	A	43.4	-21.9	0.0	-3.8	0.0	0.0	25.4
1535	17612915.11	4825021.43	5.31	0	N	A	33.8	-21.9	0.0	-3.8	0.0	0.0	15.7
1550	17612835.25	4825131.12	4.67	0	D	A	43.4	-23.6	0.0	-3.1	0.0	0.0	23.0
1550	17612835.25	4825131.12	4.67	0	N	A	33.8	-23.6	0.0	-3.1	0.0	0.0	13.3
1552	17612827.91	4825124.32	4.67	0	D	A	43.4	-23.6	0.0	-1.8	0.0	0.0	21.6
1552	17612827.91	4825124.32	4.67	0	N	A	33.8	-23.6	0.0	-1.8	0.0	0.0	11.9
1603	17612751.83	4825220.34	4.01	0	D	A	43.4	-28.2	0.0	-2.4	0.0	0.0	17.6
1606	17612744.58	4825213.46	4.01	0	D	A	43.4	-28.3	0.0	-2.5	0.0	0.0	17.7

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
614	17613231.92	4824918.14	2.21	0	D	A	54.3	-12.7	0.0	-3.9	0.0	0.0	45.6
614	17613231.92	4824918.14	2.21	0	N	A	44.6	-12.7	0.0	-3.9	0.0	0.0	35.9
615	17613230.08	4824937.87	2.23	0	D	A	54.3	-13.9	0.0	-4.1	0.0	0.0	44.5
615	17613230.08	4824937.87	2.23	0	N	A	44.6	-13.9	0.0	-4.1	0.0	0.0	34.8
619	17613235.93	4824918.24	2.21	0	D	A	54.3	-13.4	0.0	-4.1	0.0	0.0	45.0
619	17613235.93	4824918.24	2.21	0	N	A	44.6	-13.4	0.0	-4.1	0.0	0.0	35.3
620	17613234.07	4824938.15	2.23	0	D	A	54.3	-14.5	0.0	-4.2	0.0	0.0	44.0
620	17613234.07	4824938.15	2.23	0	N	A	44.6	-14.5	0.0	-4.2	0.0	0.0	34.4
866	17613231.92	4824918.14	3.64	0	D	A	52.5	-12.7	0.0	-3.6	0.0	0.0	43.4
866	17613231.92	4824918.14	3.64	0	N	A	42.8	-12.7	0.0	-3.6	0.0	0.0	33.7
867	17613230.08	4824937.87	3.65	0	D	A	52.5	-13.9	0.0	-3.3	0.0	0.0	41.9
867	17613230.08	4824937.87	3.65	0	N	A	42.8	-13.9	0.0	-3.3	0.0	0.0	32.2
871	17613235.93	4824918.24	3.64	0	D	A	52.5	-13.4	0.0	-3.4	0.0	0.0	42.5
871	17613235.93	4824918.24	3.64	0	N	A	42.8	-13.4	0.0	-3.4	0.0	0.0	32.8
872	17613234.07	4824938.15	3.65	0	D	A	52.5	-14.5	0.0	-3.1	0.0	0.0	41.1
872	17613234.07	4824938.15	3.65	0	N	A	42.8	-14.5	0.0	-3.1	0.0	0.0	31.4
873	17613229.74	4824960.06	2.23	0	D	A	54.3	-15.4	0.0	-4.4	0.0	0.0	43.3
873	17613229.74	4824960.06	2.23	0	N	A	44.6	-15.4	0.0	-4.4	0.0	0.0	33.6
874	17613230.91	4824984.16	2.22	0	D	A	54.3	-17.9	0.0	-4.4	0.0	0.0	40.8
874	17613230.91	4824984.16	2.22	0	N	A	44.6	-17.9	0.0	-4.4	0.0	0.0	31.1
875	17613233.73	4824959.87	2.23	0	D	A	54.3	-15.7	0.0	-4.4	0.0	0.0	43.0
875	17613233.73	4824959.87	2.23	0	N	A	44.6	-15.7	0.0	-4.4	0.0	0.0	33.3
876	17613234.91	4824983.97	2.22	0	D	A	54.3	-18.1	0.0	-4.4	0.0	0.0	40.6
876	17613234.91	4824983.97	2.22	0	N	A	44.6	-18.1	0.0	-4.4	0.0	0.0	31.0
1076	17613229.74	4824960.06	3.65	0	D	A	52.5	-15.4	0.0	-2.3	0.0	0.0	39.4
1076	17613229.74	4824960.06	3.65	0	N	A	42.8	-15.4	0.0	-2.3	0.0	0.0	29.7
1077	17613230.91	4824984.16	3.64	0	D	A	52.5	-17.9	0.0	-0.5	0.0	0.0	35.1
1077	17613230.91	4824984.16	3.64	0	N	A	42.8	-17.9	0.0	-0.5	0.0	0.0	25.4
1079	17613233.73	4824959.87	3.65	0	D	A	52.5	-15.7	0.0	-2.2	0.0	0.0	38.9
1079	17613233.73	4824959.87	3.65	0	N	A	42.8	-15.7	0.0	-2.2	0.0	0.0	29.2
1080	17613234.91	4824983.97	3.64	0	D	A	52.5	-18.1	0.0	-0.4	0.0	0.0	34.8
1080	17613234.91	4824983.97	3.64	0	N	A	42.8	-18.1	0.0	-0.4	0.0	0.0	25.1
1196	17613240.17	4825017.45	2.15	0	D	A	54.3	-18.1	0.0	-4.3	0.0	0.0	40.5
1196	17613240.17	4825017.45	2.15	0	N	A	44.6	-18.1	0.0	-4.3	0.0	0.0	30.8
1199	17613243.87	4825015.92	2.15	0	D	A	54.3	-18.1	0.0	-4.3	0.0	0.0	40.5
1199	17613243.87	4825015.92	2.15	0	N	A	44.6	-18.1	0.0	-4.3	0.0	0.0	30.8
1257	17613240.17	4825017.45	3.57	0	D	A	52.5	-18.1	0.0	0.0	0.0	0.0	34.4
1257	17613240.17	4825017.45	3.57	0	N	A	42.8	-18.1	0.0	0.0	0.0	0.0	24.7
1259	17613243.87	4825015.92	3.57	0	D	A	52.5	-18.1	0.0	0.0	0.0	0.0	34.4
1259	17613243.87	4825015.92	3.57	0	N	A	42.8	-18.1	0.0	0.0	0.0	0.0	24.7
1260	17613268.61	4825074.86	1.90	0	D	A	54.3	-20.7	0.0	-3.8	0.0	0.0	37.4
1260	17613268.61	4825074.86	1.90	0	N	A	44.6	-20.7	0.0	-3.8	0.0	0.0	27.7
1263	17613271.86	4825072.54	1.90	0	D	A	54.3	-20.7	0.0	-3.8	0.0	0.0	37.4
1263	17613271.86	4825072.54	1.90	0	N	A	44.6	-20.7	0.0	-3.8	0.0	0.0	27.8
1309	17613268.61	4825074.86	3.33	0	D	A	52.5	-20.7	0.0	-1.2	0.0	0.0	33.0
1309	17613268.61	4825074.86	3.33	0	N	A	42.8	-20.7	0.0	-1.2	0.0	0.0	23.4
1310	17613271.86	4825072.54	3.33	0	D	A	52.5	-20.7	0.0	-1.2	0.0	0.0	33.0
1310	17613271.86	4825072.54	3.33	0	N	A	42.8	-20.7	0.0	-1.2	0.0	0.0	23.3
1373	17613250.06	4825044.17	2.06	0	D	A	54.3	-25.3	0.0	-4.1	0.0	0.0	33.1
1373	17613250.06	4825044.17	2.06	0	N	A	44.6	-25.3	0.0	-4.1	0.0	0.0	23.4
1375	17613253.96	4825043.28	2.06	0	D	A	54.3	-25.4	0.0	-4.1	0.0	0.0	33.0
1375	17613253.96	4825043.28	2.06	0	N	A	44.6	-25.4	0.0	-4.1	0.0	0.0	23.3
1393	17613250.06	4825044.17	3.49	0	D	A	52.5	-25.3	0.0	-0.6	0.0	0.0	27.7
1393	17613250.06	4825044.17	3.49	0	N	A	42.8	-25.3	0.0	-0.6	0.0	0.0	18.1
1395	17613253.96	4825043.28	3.49	0	D	A	52.5	-25.4	0.0	-0.5	0.0	0.0	27.7
1395	17613253.96	4825043.28	3.49	0	N	A	42.8	-25.4	0.0	-0.5	0.0	0.0	18.0
1431	17613231.92	4824918.14	5.77	0	D	A	35.7	-12.7	0.0	-2.5	0.0	0.0	25.6
1431	17613231.92	4824918.14	5.77	0	N	A	26.0	-12.7	0.0	-2.5	0.0	0.0	15.9
1433	17613230.08	4824937.87	5.79	0	D	A	35.7	-13.9	0.0	-3.5	0.0	0.0	25.3
1433	17613230.08	4824937.87	5.79	0	N	A	26.0	-13.9	0.0	-3.5	0.0	0.0	15.6
1438	17613235.93	4824918.24	5.77	0	D	A	35.7	-13.4	0.0	-3.1	0.0	0.0	25.4
1438	17613235.93	4824918.24	5.77	0	N	A	26.0	-13.4	0.0	-3.1	0.0	0.0	15.7
1439	17613234.07	4824938.15	5.79	0	D	A	35.7	-14.5	0.0	-3.0	0.0	0.0	24.2

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1439	17613234.07	4824938.15	5.79	0	N	A	26.0	-14.5	0.0	-3.0	0.0	0.0	14.5
1524	17613229.74	4824960.06	5.79	0	D	A	35.7	-15.4	0.0	-2.5	0.0	0.0	22.8
1524	17613229.74	4824960.06	5.79	0	N	A	26.0	-15.4	0.0	-2.5	0.0	0.0	13.1
1525	17613230.91	4824984.16	5.78	0	D	A	35.7	-17.9	0.0	-1.6	0.0	0.0	19.4
1526	17613233.73	4824959.87	5.79	0	D	A	35.7	-15.7	0.0	-2.4	0.0	0.0	22.4
1526	17613233.73	4824959.87	5.79	0	N	A	26.0	-15.7	0.0	-2.4	0.0	0.0	12.7
1527	17613234.91	4824983.97	5.78	0	D	A	35.7	-18.1	0.0	-1.4	0.0	0.0	19.0
1569	17613240.17	4825017.45	5.71	0	D	A	35.7	-18.1	0.0	-1.3	0.0	0.0	19.0
1570	17613243.87	4825015.92	5.71	0	D	A	35.7	-18.1	0.0	-1.3	0.0	0.0	19.0
1601	17613268.61	4825074.86	5.46	0	D	A	35.7	-20.7	0.0	-0.8	0.0	0.0	15.8
1602	17613271.86	4825072.54	5.46	0	D	A	35.7	-20.7	0.0	-0.8	0.0	0.0	15.8
1607	17613250.06	4825044.17	5.62	0	D	A	35.7	-25.3	0.0	-1.0	0.0	0.0	11.4
1608	17613253.96	4825043.28	5.62	0	D	A	35.7	-25.4	0.0	-1.0	0.0	0.0	11.3

Receiver

Name: East Facade

ID: f_

X: 17613215.64 m

Y: 4824879.48 m

Z: 7.00 m

Point Source, ISO 9613, Name: "TPSS", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
9	17613215.37	4824789.48	4.28	0	DEN	500	81.0	0.0	0.0	0.0	0.0	50.1	0.2	-3.0	0.0	0.0	5.1	0.0	0.0	28.6

Line Source, ISO 9613, Name: "Hurontario LRT", ID: ""

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
14	17613120.04	4824806.51	4.45	0	D	500	72.6	15.0	0.0	0.0	0.0	52.6	0.2	-0.9	0.0	0.0	23.1	0.0	0.0	12.6
26	17613156.11	4824779.66	4.31	0	D	500	72.6	16.8	0.0	0.0	0.0	52.3	0.2	-1.5	0.0	0.0	20.7	0.0	0.0	17.6
26	17613156.11	4824779.66	4.31	0	N	500	67.6	16.8	0.0	0.0	0.0	52.3	0.2	-1.5	0.0	0.0	20.7	0.0	0.0	12.6
28	17613178.04	4824763.33	4.23	0	D	500	72.6	8.4	0.0	0.0	0.0	52.7	0.2	-3.0	0.0	0.0	14.7	0.0	0.0	16.3
28	17613178.04	4824763.33	4.23	0	N	500	67.6	8.4	0.0	0.0	0.0	52.7	0.2	-3.0	0.0	0.0	14.7	0.0	0.0	11.3
30	17613181.66	4824760.64	4.22	0	D	500	72.6	3.4	0.0	0.0	0.0	52.8	0.2	-3.0	0.0	0.0	13.9	0.0	0.0	12.0
31	17613185.07	4824758.10	4.20	0	D	500	72.6	8.0	0.0	0.0	0.0	53.0	0.2	-3.0	0.0	0.0	13.2	0.0	0.0	17.3
31	17613185.07	4824758.10	4.20	0	N	500	67.6	8.0	0.0	0.0	0.0	53.0	0.2	-3.0	0.0	0.0	13.2	0.0	0.0	12.3
43	17613188.48	4824755.49	4.19	0	D	500	72.6	3.6	0.0	0.0	0.0	53.1	0.2	-3.0	0.0	0.0	12.3	0.0	0.0	13.5
44	17613193.55	4824751.33	4.15	0	D	500	72.6	10.4	0.0	0.0	0.0	53.3	0.3	-3.0	0.0	0.0	11.0	0.0	0.0	21.5
44	17613193.55	4824751.33	4.15	0	N	500	67.6	10.4	0.0	0.0	0.0	53.3	0.3	-3.0	0.0	0.0	11.0	0.0	0.0	16.4
45	17613198.36	4824747.39	4.12	0	D	500	72.6	1.9	0.0	0.0	0.0	53.5	0.3	-3.0	0.0	0.0	9.6	0.0	0.0	14.2
46	17613199.96	4824746.08	4.11	0	D	500	72.6	4.1	0.0	0.0	0.0	53.6	0.3	-3.0	0.0	0.0	9.1	0.0	0.0	16.8
46	17613199.96	4824746.08	4.11	0	N	500	67.6	4.1	0.0	0.0	0.0	53.6	0.3	-3.0	0.0	0.0	9.1	0.0	0.0	11.8
47	17613210.55	4824737.39	4.04	0	D	500	72.6	13.9	0.0	0.0	0.0	54.1	0.3	-3.0	0.0	0.0	6.1	0.0	0.0	29.2
47	17613210.55	4824737.39	4.04	0	N	500	67.6	13.9	0.0	0.0	0.0	54.1	0.3	-3.0	0.0	0.0	6.1	0.0	0.0	24.2
48	17613238.68	4824714.30	3.84	0	D	500	72.6	16.8	0.0	0.0	0.0	55.4	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	36.7
48	17613238.68	4824714.30	3.84	0	N	500	67.6	16.8	0.0	0.0	0.0	55.4	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	31.7
49	17613055.73	4824858.18	4.50	0	D	500	72.6	16.5	0.0	0.0	0.0	55.2	0.3	-2.6	0.0	0.0	23.8	0.0	0.0	12.4
50	17613090.09	4824830.07	4.50	0	D	500	72.6	16.5	0.0	0.0	0.0	53.6	0.3	-1.8	0.0	0.0	23.6	0.0	0.0	13.4
55	17612984.33	4824938.51	4.13	0	D	500	72.6	17.6	0.0	0.0	0.0	58.6	0.5	-2.8	0.0	0.0	23.7	0.0	0.0	10.3
56	17613020.48	4824894.33	4.38	0	D	500	72.6	17.6	0.0	0.0	0.0	56.8	0.4	-2.7	0.0	0.0	23.8	0.0	0.0	11.9
57	17613278.19	4824675.44	3.52	0	D	500	72.6	18.0	0.0	0.0	0.0	57.6	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	35.7
57	17613278.19	4824675.44	3.52	0	N	500	67.6	18.0	0.0	0.0	0.0	57.6	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	30.6
59	17612938.26	4825000.24	3.79	0	D	500	72.6	19.9	0.0	0.0	0.0	60.6	0.6	-3.1	0.0	0.0	23.4	0.0	0.0	11.0

Road, TNM, Name: "QEW", ID: "a _"

Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
70	17613380.91	4825260.38	3.64	0	D	A	73.7	-22.6	0.0	1.8	0.0	0.0	49.3
70	17613380.91	4825260.38	3.64	0	N	A	68.3	-22.6	0.0	1.8	0.0	0.0	44.0
72	17613295.41	4825148.56	3.65	0	D	A	73.7	-22.3	0.0	1.0	0.0	0.0	50.4
72	17613295.41	4825148.56	3.65	0	N	A	68.3	-22.3	0.0	1.0	0.0	0.0	45.0
74	17613238.41	4825074.02	3.65	0	D	A	73.7	-19.1	0.0	-0.1	0.0	0.0	54.7
74	17613238.41	4825074.02	3.65	0	N	A	68.3	-19.1	0.0	-0.1	0.0	0.0	49.3
80	17613200.76	4825024.78	3.65	0	D	A	73.7	-21.6	0.0	34.1	0.0	0.0	17.9
80	17613200.76	4825024.78	3.65	0	N	A	68.3	-21.6	0.0	34.1	0.0	0.0	12.5
263	17613365.66	4825281.60	3.64	0	D	A	73.7	-23.3	0.0	1.8	0.0	0.0	48.6
263	17613365.66	4825281.60	3.64	0	N	A	68.3	-23.3	0.0	1.8	0.0	0.0	43.2
264	17613287.07	4825178.81	3.64	0	D	A	73.7	-23.5	0.0	1.3	0.0	0.0	48.9
264	17613287.07	4825178.81	3.64	0	N	A	68.3	-23.5	0.0	1.3	0.0	0.0	43.5
265	17613234.68	4825110.29	3.65	0	D	A	73.7	-21.0	0.0	0.6	0.0	0.0	52.0
265	17613234.68	4825110.29	3.65	0	N	A	68.3	-21.0	0.0	0.6	0.0	0.0	46.7
268	17613197.05	4825061.08	3.65	0	D	A	73.7	-22.6	0.0	32.9	0.0	0.0	18.2
268	17613197.05	4825061.08	3.65	0	N	A	68.3	-22.6	0.0	32.9	0.0	0.0	12.8
451	17613380.91	4825260.38	5.06	0	D	A	71.6	-22.6	0.0	0.7	0.0	0.0	48.3
451	17613380.91	4825260.38	5.06	0	N	A	66.2	-22.6	0.0	0.7	0.0	0.0	42.9
452	17613295.41	4825148.56	5.07	0	D	A	71.6	-22.3	0.0	1.2	0.0	0.0	48.2

Road, TNM, Name: "QEW", ID: "a "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
452	17613295.41	4825148.56	5.07	0	N	A	66.2	-22.3	0.0	1.2	0.0	0.0	42.8
453	17613238.41	4825074.02	5.08	0	D	A	71.6	-19.1	0.0	0.2	0.0	0.0	52.3
453	17613238.41	4825074.02	5.08	0	N	A	66.2	-19.1	0.0	0.2	0.0	0.0	46.9
456	17613200.76	4825024.78	5.08	0	D	A	71.6	-21.6	0.0	33.6	0.0	0.0	16.4
456	17613200.76	4825024.78	5.08	0	N	A	66.2	-21.6	0.0	33.6	0.0	0.0	11.0
634	17613365.66	4825281.60	5.06	0	D	A	71.6	-23.3	0.0	0.7	0.0	0.0	47.7
634	17613365.66	4825281.60	5.06	0	N	A	66.2	-23.3	0.0	0.7	0.0	0.0	42.3
636	17613287.07	4825178.81	5.07	0	D	A	71.6	-23.5	0.0	1.0	0.0	0.0	47.1
636	17613287.07	4825178.81	5.07	0	N	A	66.2	-23.5	0.0	1.0	0.0	0.0	41.8
639	17613234.68	4825110.29	5.07	0	D	A	71.6	-21.0	0.0	1.0	0.0	0.0	49.7
639	17613234.68	4825110.29	5.07	0	N	A	66.2	-21.0	0.0	1.0	0.0	0.0	44.3
642	17613197.05	4825061.08	5.08	0	D	A	71.6	-22.6	0.0	32.6	0.0	0.0	16.5
642	17613197.05	4825061.08	5.08	0	N	A	66.2	-22.6	0.0	32.6	0.0	0.0	11.1
806	17613380.91	4825260.38	7.20	0	D	A	57.7	-22.6	0.0	0.5	0.0	0.0	34.7
806	17613380.91	4825260.38	7.20	0	N	A	52.4	-22.6	0.0	0.5	0.0	0.0	29.3
807	17613295.41	4825148.56	7.21	0	D	A	57.7	-22.3	0.0	-0.6	0.0	0.0	36.0
807	17613295.41	4825148.56	7.21	0	N	A	52.4	-22.3	0.0	-0.6	0.0	0.0	30.7
808	17613238.41	4825074.02	7.21	0	D	A	57.7	-19.1	0.0	-1.1	0.0	0.0	39.7
808	17613238.41	4825074.02	7.21	0	N	A	52.4	-19.1	0.0	-1.1	0.0	0.0	34.4
928	17613365.66	4825281.60	7.20	0	D	A	57.7	-23.3	0.0	0.5	0.0	0.0	33.9
928	17613365.66	4825281.60	7.20	0	N	A	52.4	-23.3	0.0	0.5	0.0	0.0	28.6
930	17613287.07	4825178.81	7.20	0	D	A	57.7	-23.5	0.0	-0.2	0.0	0.0	34.5
930	17613287.07	4825178.81	7.20	0	N	A	52.4	-23.5	0.0	-0.2	0.0	0.0	29.1
932	17613234.68	4825110.29	7.21	0	D	A	57.7	-21.0	0.0	-0.8	0.0	0.0	37.6
932	17613234.68	4825110.29	7.21	0	N	A	52.4	-21.0	0.0	-0.8	0.0	0.0	32.2

Road, TNM, Name: "South Service Rd", ID: "a "													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1027	17613233.26	4824870.92	2.20	0	D	A	54.3	-9.3	0.0	-3.2	0.0	0.0	48.2
1027	17613233.26	4824870.92	2.20	0	N	A	44.6	-9.3	0.0	-3.2	0.0	0.0	38.5
1028	17613233.26	4824880.32	2.20	0	D	A	54.3	-8.4	0.0	-3.0	0.0	0.0	48.9
1028	17613233.26	4824880.32	2.20	0	N	A	44.6	-8.4	0.0	-3.0	0.0	0.0	39.2
1029	17613233.26	4824889.73	2.20	0	D	A	54.3	-9.6	0.0	-3.2	0.0	0.0	47.9
1029	17613233.26	4824889.73	2.20	0	N	A	44.6	-9.6	0.0	-3.2	0.0	0.0	38.3
1030	17613233.26	4824899.13	2.20	0	D	A	54.3	-11.8	0.0	-3.7	0.0	0.0	46.2
1030	17613233.26	4824899.13	2.20	0	N	A	44.6	-11.8	0.0	-3.7	0.0	0.0	36.5
1031	17613237.26	4824870.92	2.20	0	D	A	54.3	-10.8	0.0	-3.4	0.0	0.0	47.0
1031	17613237.26	4824870.92	2.20	0	N	A	44.6	-10.8	0.0	-3.4	0.0	0.0	37.3
1032	17613237.26	4824880.32	2.20	0	D	A	54.3	-10.2	0.0	-3.3	0.0	0.0	47.4
1032	17613237.26	4824880.32	2.20	0	N	A	44.6	-10.2	0.0	-3.3	0.0	0.0	37.8
1033	17613237.26	4824889.73	2.20	0	D	A	54.3	-11.0	0.0	-3.5	0.0	0.0	46.8
1033	17613237.26	4824889.73	2.20	0	N	A	44.6	-11.0	0.0	-3.5	0.0	0.0	37.1
1034	17613237.26	4824899.13	2.20	0	D	A	54.3	-12.7	0.0	-3.8	0.0	0.0	45.4
1034	17613237.26	4824899.13	2.20	0	N	A	44.6	-12.7	0.0	-3.8	0.0	0.0	35.8
1036	17613233.26	4824870.92	3.63	0	D	A	52.5	-9.3	0.0	-3.4	0.0	0.0	46.6
1036	17613233.26	4824870.92	3.63	0	N	A	42.8	-9.3	0.0	-3.4	0.0	0.0	36.9
1037	17613233.26	4824877.97	3.63	0	D	A	52.5	-11.4	0.0	-3.5	0.0	0.0	44.6
1037	17613233.26	4824877.97	3.63	0	N	A	42.8	-11.4	0.0	-3.5	0.0	0.0	34.9
1038	17613233.26	4824882.67	3.63	0	D	A	52.5	-11.5	0.0	-3.6	0.0	0.0	44.6
1038	17613233.26	4824882.67	3.63	0	N	A	42.8	-11.5	0.0	-3.6	0.0	0.0	34.9
1039	17613233.26	4824889.73	3.63	0	D	A	52.5	-9.6	0.0	-2.7	0.0	0.0	45.6
1039	17613233.26	4824889.73	3.63	0	N	A	42.8	-9.6	0.0	-2.7	0.0	0.0	35.9
1040	17613233.26	4824899.13	3.63	0	D	A	52.5	-11.8	0.0	-2.0	0.0	0.0	42.7
1040	17613233.26	4824899.13	3.63	0	N	A	42.8	-11.8	0.0	-2.0	0.0	0.0	33.1
1042	17613237.26	4824870.92	3.63	0	D	A	52.5	-10.8	0.0	-2.2	0.0	0.0	43.9
1042	17613237.26	4824870.92	3.63	0	N	A	42.8	-10.8	0.0	-2.2	0.0	0.0	34.2
1043	17613237.26	4824880.32	3.63	0	D	A	52.5	-10.2	0.0	-1.9	0.0	0.0	44.2
1043	17613237.26	4824880.32	3.63	0	N	A	42.8	-10.2	0.0	-1.9	0.0	0.0	34.6
1044	17613237.26	4824889.73	3.63	0	D	A	52.5	-11.0	0.0	-2.3	0.0	0.0	43.7
1044	17613237.26	4824889.73	3.63	0	N	A	42.8	-11.0	0.0	-2.3	0.0	0.0	34.1
1045	17613237.26	4824899.13	3.63	0	D	A	52.5	-12.7	0.0	-2.9	0.0	0.0	42.7
1045	17613237.26	4824899.13	3.63	0	N	A	42.8	-12.7	0.0	-2.9	0.0	0.0	33.0

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1186	17613227.18	4824846.52	2.26	0	D	A	54.3	-12.4	0.0	-4.1	0.0	0.0	46.0
1186	17613227.18	4824846.52	2.26	0	N	A	44.6	-12.4	0.0	-4.1	0.0	0.0	36.3
1187	17613230.26	4824856.66	2.23	0	D	A	54.3	-13.3	0.0	-3.7	0.0	0.0	44.7
1187	17613230.26	4824856.66	2.23	0	N	A	44.6	-13.3	0.0	-3.7	0.0	0.0	35.1
1189	17613232.32	4824863.42	2.21	0	D	A	54.3	-12.0	0.0	-3.4	0.0	0.0	45.8
1189	17613232.32	4824863.42	2.21	0	N	A	44.6	-12.0	0.0	-3.4	0.0	0.0	36.1
1191	17613231.01	4824845.36	2.26	0	D	A	54.3	-13.0	0.0	-4.2	0.0	0.0	45.4
1191	17613231.01	4824845.36	2.26	0	N	A	44.6	-13.0	0.0	-4.2	0.0	0.0	35.8
1193	17613235.12	4824858.87	2.22	0	D	A	54.3	-10.7	0.0	-3.8	0.0	0.0	47.4
1193	17613235.12	4824858.87	2.22	0	N	A	44.6	-10.7	0.0	-3.8	0.0	0.0	37.7
1195	17613232.76	4824909.16	2.20	0	D	A	54.3	-13.3	0.0	-4.1	0.0	0.0	45.0
1195	17613232.76	4824909.16	2.20	0	N	A	44.6	-13.3	0.0	-4.1	0.0	0.0	35.4
1198	17613231.73	4824920.18	2.21	0	D	A	54.3	-15.5	0.0	-4.4	0.0	0.0	43.2
1198	17613231.73	4824920.18	2.21	0	N	A	44.6	-15.5	0.0	-4.4	0.0	0.0	33.5
1200	17613230.19	4824936.71	2.23	0	D	A	54.3	-15.0	0.0	-4.5	0.0	0.0	43.8
1200	17613230.19	4824936.71	2.23	0	N	A	44.6	-15.0	0.0	-4.5	0.0	0.0	34.2
1201	17613236.74	4824909.53	2.20	0	D	A	54.3	-14.0	0.0	-4.2	0.0	0.0	44.5
1201	17613236.74	4824909.53	2.20	0	N	A	44.6	-14.0	0.0	-4.2	0.0	0.0	34.8
1203	17613235.71	4824920.55	2.21	0	D	A	54.3	-15.9	0.0	-4.4	0.0	0.0	42.8
1203	17613235.71	4824920.55	2.21	0	N	A	44.6	-15.9	0.0	-4.4	0.0	0.0	33.1
1204	17613234.17	4824937.08	2.23	0	D	A	54.3	-15.2	0.0	-4.5	0.0	0.0	43.6
1204	17613234.17	4824937.08	2.23	0	N	A	44.6	-15.2	0.0	-4.5	0.0	0.0	33.9
1330	17613227.18	4824846.52	3.68	0	D	A	52.5	-12.4	0.0	-3.5	0.0	0.0	43.6
1330	17613227.18	4824846.52	3.68	0	N	A	42.8	-12.4	0.0	-3.5	0.0	0.0	33.9
1332	17613230.26	4824856.66	3.66	0	D	A	52.5	-13.3	0.0	-2.1	0.0	0.0	41.3
1332	17613230.26	4824856.66	3.66	0	N	A	42.8	-13.3	0.0	-2.1	0.0	0.0	31.6
1333	17613232.32	4824863.42	3.64	0	D	A	52.5	-12.0	0.0	-2.1	0.0	0.0	42.7
1333	17613232.32	4824863.42	3.64	0	N	A	42.8	-12.0	0.0	-2.1	0.0	0.0	33.0
1334	17613231.01	4824845.36	3.68	0	D	A	52.5	-13.0	0.0	-3.4	0.0	0.0	42.8
1334	17613231.01	4824845.36	3.68	0	N	A	42.8	-13.0	0.0	-3.4	0.0	0.0	33.1
1335	17613235.12	4824858.87	3.65	0	D	A	52.5	-10.7	0.0	-2.5	0.0	0.0	44.3
1335	17613235.12	4824858.87	3.65	0	N	A	42.8	-10.7	0.0	-2.5	0.0	0.0	34.7
1484	17613232.76	4824909.16	3.63	0	D	A	52.5	-13.3	0.0	-3.5	0.0	0.0	42.7
1484	17613232.76	4824909.16	3.63	0	N	A	42.8	-13.3	0.0	-3.5	0.0	0.0	33.0
1486	17613231.73	4824920.18	3.64	0	D	A	52.5	-15.5	0.0	-2.8	0.0	0.0	39.8
1486	17613231.73	4824920.18	3.64	0	N	A	42.8	-15.5	0.0	-2.8	0.0	0.0	30.2
1488	17613230.19	4824936.71	3.65	0	D	A	52.5	-15.0	0.0	-1.3	0.0	0.0	38.9
1488	17613230.19	4824936.71	3.65	0	N	A	42.8	-15.0	0.0	-1.3	0.0	0.0	29.2
1489	17613236.74	4824909.53	3.63	0	D	A	52.5	-14.0	0.0	-3.4	0.0	0.0	41.9
1489	17613236.74	4824909.53	3.63	0	N	A	42.8	-14.0	0.0	-3.4	0.0	0.0	32.2
1490	17613235.71	4824920.55	3.64	0	D	A	52.5	-15.9	0.0	-2.7	0.0	0.0	39.3
1490	17613235.71	4824920.55	3.64	0	N	A	42.8	-15.9	0.0	-2.7	0.0	0.0	29.7
1491	17613234.17	4824937.08	3.65	0	D	A	52.5	-15.2	0.0	-1.2	0.0	0.0	38.5
1491	17613234.17	4824937.08	3.65	0	N	A	42.8	-15.2	0.0	-1.2	0.0	0.0	28.8
1903	17613221.28	4824834.45	2.31	0	D	A	54.3	-14.7	0.0	-4.4	0.0	0.0	44.0
1903	17613221.28	4824834.45	2.31	0	N	A	44.6	-14.7	0.0	-4.4	0.0	0.0	34.3
1905	17613223.02	4824829.96	2.32	0	D	A	54.3	-14.1	0.0	-4.5	0.0	0.0	44.6
1905	17613223.02	4824829.96	2.32	0	N	A	44.6	-14.1	0.0	-4.5	0.0	0.0	35.0
1934	17613229.74	4824960.06	2.23	0	D	A	54.3	-17.5	0.0	-4.5	0.0	0.0	41.3
1934	17613229.74	4824960.06	2.23	0	N	A	44.6	-17.5	0.0	-4.5	0.0	0.0	31.6
1935	17613230.91	4824984.16	2.22	0	D	A	54.3	-19.7	0.0	-4.3	0.0	0.0	38.9
1935	17613230.91	4824984.16	2.22	0	N	A	44.6	-19.7	0.0	-4.3	0.0	0.0	29.2
1936	17613233.73	4824959.87	2.23	0	D	A	54.3	-17.5	0.0	-4.5	0.0	0.0	41.2
1936	17613233.73	4824959.87	2.23	0	N	A	44.6	-17.5	0.0	-4.5	0.0	0.0	31.6
1937	17613234.91	4824983.97	2.22	0	D	A	54.3	-19.8	0.0	-4.3	0.0	0.0	38.8
1937	17613234.91	4824983.97	2.22	0	N	A	44.6	-19.8	0.0	-4.3	0.0	0.0	29.2
1966	17613221.28	4824834.45	3.73	0	D	A	52.5	-14.7	0.0	-2.7	0.0	0.0	40.5
1966	17613221.28	4824834.45	3.73	0	N	A	42.8	-14.7	0.0	-2.7	0.0	0.0	30.9
1968	17613223.02	4824829.96	3.75	0	D	A	52.5	-14.1	0.0	-2.4	0.0	0.0	40.8
1968	17613223.02	4824829.96	3.75	0	N	A	42.8	-14.1	0.0	-2.4	0.0	0.0	31.1
1973	17613229.74	4824960.06	3.65	0	D	A	52.5	-17.5	0.0	0.0	0.0	0.0	35.0
1973	17613229.74	4824960.06	3.65	0	N	A	42.8	-17.5	0.0	0.0	0.0	0.0	25.3
1974	17613230.91	4824984.16	3.64	0	D	A	52.5	-19.7	0.0	-0.4	0.0	0.0	33.1

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	Ad	Äair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1974	17613230.91	4824984.16	3.64	0	N	A	42.8	-19.7	0.0	-0.4	0.0	0.0	23.5
1975	17613233.73	4824959.87	3.65	0	D	A	52.5	-17.5	0.0	0.0	0.0	0.0	34.9
1975	17613233.73	4824959.87	3.65	0	N	A	42.8	-17.5	0.0	0.0	0.0	0.0	25.3
1976	17613234.91	4824983.97	3.64	0	D	A	52.5	-19.8	0.0	-0.4	0.0	0.0	33.1
1976	17613234.91	4824983.97	3.64	0	N	A	42.8	-19.8	0.0	-0.4	0.0	0.0	23.4
2005	17613240.17	4825017.45	2.15	0	D	A	54.3	-19.5	0.0	-4.1	0.0	0.0	38.9
2005	17613240.17	4825017.45	2.15	0	N	A	44.6	-19.5	0.0	-4.1	0.0	0.0	29.2
2006	17613243.87	4825015.92	2.15	0	D	A	54.3	-19.4	0.0	-4.1	0.0	0.0	38.9
2006	17613243.87	4825015.92	2.15	0	N	A	44.6	-19.4	0.0	-4.1	0.0	0.0	29.3
2011	17613240.17	4825017.45	3.57	0	D	A	52.5	-19.5	0.0	-1.3	0.0	0.0	34.3
2011	17613240.17	4825017.45	3.57	0	N	A	42.8	-19.5	0.0	-1.3	0.0	0.0	24.6
2012	17613243.87	4825015.92	3.57	0	D	A	52.5	-19.4	0.0	-1.3	0.0	0.0	34.3
2012	17613243.87	4825015.92	3.57	0	N	A	42.8	-19.4	0.0	-1.3	0.0	0.0	24.7
2013	17613268.61	4825074.86	1.90	0	D	A	54.3	-21.6	0.0	-3.5	0.0	0.0	36.3
2013	17613268.61	4825074.86	1.90	0	N	A	44.6	-21.6	0.0	-3.5	0.0	0.0	26.6
2014	17613271.86	4825072.54	1.90	0	D	A	54.3	-21.5	0.0	-3.5	0.0	0.0	36.3
2014	17613271.86	4825072.54	1.90	0	N	A	44.6	-21.5	0.0	-3.5	0.0	0.0	26.7
2017	17613233.26	4824870.92	5.76	0	D	A	35.7	-9.3	0.0	-2.1	0.0	0.0	28.6
2017	17613233.26	4824870.92	5.76	0	N	A	26.0	-9.3	0.0	-2.1	0.0	0.0	18.9
2018	17613233.26	4824877.97	5.76	0	D	A	35.7	-11.4	0.0	-2.6	0.0	0.0	26.9
2018	17613233.26	4824877.97	5.76	0	N	A	26.0	-11.4	0.0	-2.6	0.0	0.0	17.2
2019	17613233.26	4824882.67	5.76	0	D	A	35.7	-11.5	0.0	-3.0	0.0	0.0	27.1
2019	17613233.26	4824882.67	5.76	0	N	A	26.0	-11.5	0.0	-3.0	0.0	0.0	17.5
2020	17613233.26	4824889.73	5.76	0	D	A	35.7	-9.6	0.0	-1.5	0.0	0.0	27.6
2020	17613233.26	4824889.73	5.76	0	N	A	26.0	-9.6	0.0	-1.5	0.0	0.0	17.9
2021	17613233.26	4824899.13	5.76	0	D	A	35.7	-11.8	0.0	-0.6	0.0	0.0	24.5
2021	17613233.26	4824899.13	5.76	0	N	A	26.0	-11.8	0.0	-0.6	0.0	0.0	14.9
2022	17613237.26	4824870.92	5.76	0	D	A	35.7	-10.8	0.0	-3.0	0.0	0.0	27.9
2022	17613237.26	4824870.92	5.76	0	N	A	26.0	-10.8	0.0	-3.0	0.0	0.0	18.2
2023	17613237.26	4824880.32	5.76	0	D	A	35.7	-10.2	0.0	-2.6	0.0	0.0	28.1
2023	17613237.26	4824880.32	5.76	0	N	A	26.0	-10.2	0.0	-2.6	0.0	0.0	18.4
2024	17613237.26	4824889.73	5.76	0	D	A	35.7	-11.0	0.0	-1.5	0.0	0.0	26.2
2024	17613237.26	4824889.73	5.76	0	N	A	26.0	-11.0	0.0	-1.5	0.0	0.0	16.5
2025	17613237.26	4824899.13	5.76	0	D	A	35.7	-12.7	0.0	-2.6	0.0	0.0	25.6
2025	17613237.26	4824899.13	5.76	0	N	A	26.0	-12.7	0.0	-2.6	0.0	0.0	16.0
2028	17613268.61	4825074.86	3.33	0	D	A	52.5	-21.6	0.0	-2.3	0.0	0.0	33.2
2028	17613268.61	4825074.86	3.33	0	N	A	42.8	-21.6	0.0	-2.3	0.0	0.0	23.6
2029	17613271.86	4825072.54	3.33	0	D	A	52.5	-21.5	0.0	-2.3	0.0	0.0	33.3
2029	17613271.86	4825072.54	3.33	0	N	A	42.8	-21.5	0.0	-2.3	0.0	0.0	23.6
2051	17613227.18	4824846.52	5.82	0	D	A	35.7	-12.4	0.0	-2.9	0.0	0.0	26.1
2051	17613227.18	4824846.52	5.82	0	N	A	26.0	-12.4	0.0	-2.9	0.0	0.0	16.5
2052	17613230.26	4824856.66	5.79	0	D	A	35.7	-13.3	0.0	-0.9	0.0	0.0	23.3
2052	17613230.26	4824856.66	5.79	0	N	A	26.0	-13.3	0.0	-0.9	0.0	0.0	13.6
2053	17613232.32	4824863.42	5.77	0	D	A	35.7	-12.0	0.0	-2.7	0.0	0.0	26.5
2053	17613232.32	4824863.42	5.77	0	N	A	26.0	-12.0	0.0	-2.7	0.0	0.0	16.8
2054	17613231.01	4824845.36	5.82	0	D	A	35.7	-13.0	0.0	-3.4	0.0	0.0	26.1
2054	17613231.01	4824845.36	5.82	0	N	A	26.0	-13.0	0.0	-3.4	0.0	0.0	16.4
2055	17613235.12	4824858.87	5.78	0	D	A	35.7	-10.7	0.0	-2.9	0.0	0.0	27.9
2055	17613235.12	4824858.87	5.78	0	N	A	26.0	-10.7	0.0	-2.9	0.0	0.0	18.2
2056	17613232.76	4824909.16	5.76	0	D	A	35.7	-13.3	0.0	-2.5	0.0	0.0	24.9
2056	17613232.76	4824909.16	5.76	0	N	A	26.0	-13.3	0.0	-2.5	0.0	0.0	15.2
2057	17613231.73	4824920.18	5.77	0	D	A	35.7	-15.5	0.0	-2.4	0.0	0.0	22.6
2057	17613231.73	4824920.18	5.77	0	N	A	26.0	-15.5	0.0	-2.4	0.0	0.0	12.9
2058	17613230.19	4824936.71	5.79	0	D	A	35.7	-15.0	0.0	-2.7	0.0	0.0	23.4
2058	17613230.19	4824936.71	5.79	0	N	A	26.0	-15.0	0.0	-2.7	0.0	0.0	13.7
2059	17613236.74	4824909.53	5.76	0	D	A	35.7	-14.0	0.0	-3.7	0.0	0.0	25.5
2059	17613236.74	4824909.53	5.76	0	N	A	26.0	-14.0	0.0	-3.7	0.0	0.0	15.8
2060	17613235.71	4824920.55	5.77	0	D	A	35.7	-15.9	0.0	-3.5	0.0	0.0	23.4
2060	17613235.71	4824920.55	5.77	0	N	A	26.0	-15.9	0.0	-3.5	0.0	0.0	13.7
2061	17613234.17	4824937.08	5.79	0	D	A	35.7	-15.2	0.0	-2.6	0.0	0.0	23.1
2061	17613234.17	4824937.08	5.79	0	N	A	26.0	-15.2	0.0	-2.6	0.0	0.0	13.4
2066	17613250.06	4825044.17	2.06	0	D	A	54.3	-26.4	0.0	-3.8	0.0	0.0	31.7
2066	17613250.06	4825044.17	2.06	0	N	A	44.6	-26.4	0.0	-3.8	0.0	0.0	22.0

Road, TNM, Name: "South Service Rd", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2067	17613253.96	4825043.28	2.06	0	D	A	54.3	-26.4	0.0	-3.8	0.0	0.0	31.7
2067	17613253.96	4825043.28	2.06	0	N	A	44.6	-26.4	0.0	-3.8	0.0	0.0	22.0
2075	17613250.06	4825044.17	3.49	0	D	A	52.5	-26.4	0.0	-1.9	0.0	0.0	27.9
2075	17613250.06	4825044.17	3.49	0	N	A	42.8	-26.4	0.0	-1.9	0.0	0.0	18.3
2076	17613253.96	4825043.28	3.49	0	D	A	52.5	-26.4	0.0	-1.8	0.0	0.0	27.9
2076	17613253.96	4825043.28	3.49	0	N	A	42.8	-26.4	0.0	-1.8	0.0	0.0	18.2
2112	17613221.28	4824834.45	5.87	0	D	A	35.7	-14.7	0.0	-3.4	0.0	0.0	24.5
2112	17613221.28	4824834.45	5.87	0	N	A	26.0	-14.7	0.0	-3.4	0.0	0.0	14.8
2114	17613223.02	4824829.96	5.88	0	D	A	35.7	-14.1	0.0	-2.6	0.0	0.0	24.2
2114	17613223.02	4824829.96	5.88	0	N	A	26.0	-14.1	0.0	-2.6	0.0	0.0	14.5
2115	17613229.74	4824960.06	5.79	0	D	A	35.7	-17.5	0.0	-1.2	0.0	0.0	19.4
2116	17613230.91	4824984.16	5.78	0	D	A	35.7	-19.7	0.0	-0.7	0.0	0.0	16.7
2117	17613233.73	4824959.87	5.79	0	D	A	35.7	-17.5	0.0	-1.2	0.0	0.0	19.3
2118	17613234.91	4824983.97	5.78	0	D	A	35.7	-19.8	0.0	-0.7	0.0	0.0	16.6
2148	17613240.17	4825017.45	5.71	0	D	A	35.7	-19.5	0.0	-0.9	0.0	0.0	17.2
2149	17613243.87	4825015.92	5.71	0	D	A	35.7	-19.4	0.0	-0.9	0.0	0.0	17.2
2150	17613268.61	4825074.86	5.46	0	D	A	35.7	-21.6	0.0	-1.1	0.0	0.0	15.3
2151	17613271.86	4825072.54	5.46	0	D	A	35.7	-21.5	0.0	-1.1	0.0	0.0	15.3
2154	17613250.06	4825044.17	5.62	0	D	A	35.7	-26.4	0.0	-1.1	0.0	0.0	10.4
2155	17613253.96	4825043.28	5.62	0	D	A	35.7	-26.4	0.0	-1.1	0.0	0.0	10.4

Road, TNM, Name: "HWY 10 ", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1115	17613246.04	4824708.92	1.87	0	D	A	60.5	-19.4	0.0	-3.8	0.0	0.0	44.9
1115	17613246.04	4824708.92	1.87	0	N	A	50.8	-19.4	0.0	-3.8	0.0	0.0	35.2
1116	17613297.99	4824662.91	1.49	0	D	A	60.5	-22.0	0.0	-3.3	0.0	0.0	41.9
1116	17613297.99	4824662.91	1.49	0	N	A	50.8	-22.0	0.0	-3.3	0.0	0.0	32.2
1181	17613244.69	4824696.76	1.83	0	D	A	60.5	-20.3	0.0	-3.7	0.0	0.0	43.9
1181	17613244.69	4824696.76	1.83	0	N	A	50.8	-20.3	0.0	-3.7	0.0	0.0	34.2
1182	17613293.12	4824653.86	1.47	0	D	A	60.5	-22.5	0.0	-3.3	0.0	0.0	41.2
1182	17613293.12	4824653.86	1.47	0	N	A	50.8	-22.5	0.0	-3.3	0.0	0.0	31.6
1271	17613246.04	4824708.92	3.29	0	D	A	58.8	-19.4	0.0	-2.4	0.0	0.0	41.7
1271	17613246.04	4824708.92	3.29	0	N	A	49.1	-19.4	0.0	-2.4	0.0	0.0	32.1
1272	17613297.99	4824662.91	2.91	0	D	A	58.8	-22.0	0.0	-2.9	0.0	0.0	39.7
1272	17613297.99	4824662.91	2.91	0	N	A	49.1	-22.0	0.0	-2.9	0.0	0.0	30.0
1328	17613244.69	4824696.76	3.25	0	D	A	58.8	-20.3	0.0	-2.5	0.0	0.0	41.0
1328	17613244.69	4824696.76	3.25	0	N	A	49.1	-20.3	0.0	-2.5	0.0	0.0	31.3
1329	17613293.12	4824653.86	2.90	0	D	A	58.8	-22.5	0.0	-2.9	0.0	0.0	39.2
1329	17613293.12	4824653.86	2.90	0	N	A	49.1	-22.5	0.0	-2.9	0.0	0.0	29.5
2037	17613246.04	4824708.92	5.43	0	D	A	43.4	-19.4	0.0	-1.2	0.0	0.0	25.2
2037	17613246.04	4824708.92	5.43	0	N	A	33.8	-19.4	0.0	-1.2	0.0	0.0	15.5
2038	17613297.99	4824662.91	5.05	0	D	A	43.4	-22.0	0.0	-1.4	0.0	0.0	22.9
2038	17613297.99	4824662.91	5.05	0	N	A	33.8	-22.0	0.0	-1.4	0.0	0.0	13.2
2047	17613244.69	4824696.76	5.39	0	D	A	43.4	-20.3	0.0	-1.3	0.0	0.0	24.4
2047	17613244.69	4824696.76	5.39	0	N	A	33.8	-20.3	0.0	-1.3	0.0	0.0	14.7
2048	17613293.12	4824653.86	5.03	0	D	A	43.4	-22.5	0.0	-1.4	0.0	0.0	22.3
2048	17613293.12	4824653.86	5.03	0	N	A	33.8	-22.5	0.0	-1.4	0.0	0.0	12.6

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1711	17613217.57	4825024.73	4.76	0	D	A	60.7	-22.6	0.0	-1.0	0.0	0.0	39.1
1711	17613217.57	4825024.73	4.76	0	N	A	50.6	-22.6	0.0	-1.0	0.0	0.0	29.0
1715	17613219.32	4825020.28	4.78	0	D	A	60.7	-21.5	0.0	-1.1	0.0	0.0	40.3
1715	17613219.32	4825020.28	4.78	0	N	A	50.6	-21.5	0.0	-1.1	0.0	0.0	30.3
1899	17613217.57	4825024.73	6.19	0	D	A	59.0	-22.6	0.0	-1.5	0.0	0.0	37.9
1899	17613217.57	4825024.73	6.19	0	N	A	48.6	-22.6	0.0	-1.5	0.0	0.0	27.6
1901	17613219.32	4825020.28	6.20	0	D	A	59.0	-21.5	0.0	-1.7	0.0	0.0	39.3
1901	17613219.32	4825020.28	6.20	0	N	A	48.6	-21.5	0.0	-1.7	0.0	0.0	28.9
1963	17613237.74	4825054.07	4.58	0	D	A	60.7	-21.2	0.0	-0.3	0.0	0.0	39.7
1963	17613237.74	4825054.07	4.58	0	N	A	50.6	-21.2	0.0	-0.3	0.0	0.0	29.7
1964	17613241.05	4825051.82	4.58	0	D	A	60.7	-21.1	0.0	-0.3	0.0	0.0	39.9

Road, TNM, Name: "HWY 10 On Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1964	17613241.05	4825051.82	4.58	0	N	A	50.6	-21.1	0.0	-0.3	0.0	0.0	29.8
1989	17613237.74	4825054.07	6.01	0	D	A	59.0	-21.2	0.0	-0.1	0.0	0.0	37.8
1989	17613237.74	4825054.07	6.01	0	N	A	48.6	-21.2	0.0	-0.1	0.0	0.0	27.5
1990	17613241.05	4825051.82	6.01	0	D	A	59.0	-21.1	0.0	-0.1	0.0	0.0	38.0
1990	17613241.05	4825051.82	6.01	0	N	A	48.6	-21.1	0.0	-0.1	0.0	0.0	27.7
2009	17613258.51	4825083.76	4.40	0	D	A	60.7	-25.6	0.0	0.2	0.0	0.0	34.9
2009	17613258.51	4825083.76	4.40	0	N	A	50.6	-25.6	0.0	0.2	0.0	0.0	24.7
2010	17613261.73	4825081.38	4.40	0	D	A	60.7	-25.5	0.0	0.2	0.0	0.0	35.0
2010	17613261.73	4825081.38	4.40	0	N	A	50.6	-25.5	0.0	0.2	0.0	0.0	24.8
2015	17613258.51	4825083.76	5.83	0	D	A	59.0	-25.6	0.0	0.8	0.0	0.0	32.6
2015	17613258.51	4825083.76	5.83	0	N	A	48.6	-25.6	0.0	0.8	0.0	0.0	22.3
2016	17613261.73	4825081.38	5.83	0	D	A	59.0	-25.5	0.0	0.8	0.0	0.0	32.7
2016	17613261.73	4825081.38	5.83	0	N	A	48.6	-25.5	0.0	0.8	0.0	0.0	22.4

Road, TNM, Name: "QEW Off-Ramp", ID: "a_"													
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	Ad	Aair	Agr	Afol	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1562	17613290.56	4825192.53	1.22	0	D	A	61.8	-24.1	0.0	-2.4	0.0	0.0	40.2
1562	17613290.56	4825192.53	1.22	0	N	A	55.7	-24.1	0.0	-2.4	0.0	0.0	34.0
1563	17613236.87	4825129.95	1.68	0	D	A	61.8	-21.9	0.0	-3.0	0.0	0.0	42.9
1563	17613236.87	4825129.95	1.68	0	N	A	55.7	-21.9	0.0	-3.0	0.0	0.0	36.8
1564	17613287.66	4825195.29	1.22	0	D	A	61.8	-24.2	0.0	-2.4	0.0	0.0	40.1
1564	17613287.66	4825195.29	1.22	0	N	A	55.7	-24.2	0.0	-2.4	0.0	0.0	33.9
1565	17613234.24	4825133.03	1.67	0	D	A	61.8	-22.0	0.0	-3.0	0.0	0.0	42.7
1565	17613234.24	4825133.03	1.67	0	N	A	55.7	-22.0	0.0	-3.0	0.0	0.0	36.6
1864	17613208.83	4825097.47	1.91	0	D	A	61.8	-35.1	0.0	-3.3	0.0	0.0	30.0
1864	17613208.83	4825097.47	1.91	0	N	A	55.7	-35.1	0.0	-3.3	0.0	0.0	23.9
1889	17613290.56	4825192.53	2.64	0	D	A	59.6	-24.1	0.0	-2.6	0.0	0.0	38.1
1889	17613290.56	4825192.53	2.64	0	N	A	53.4	-24.1	0.0	-2.6	0.0	0.0	31.9
1890	17613236.87	4825129.95	3.10	0	D	A	59.6	-21.9	0.0	-2.4	0.0	0.0	40.1
1890	17613236.87	4825129.95	3.10	0	N	A	53.4	-21.9	0.0	-2.4	0.0	0.0	33.9
1891	17613287.66	4825195.29	2.64	0	D	A	59.6	-24.2	0.0	-2.6	0.0	0.0	38.1
1891	17613287.66	4825195.29	2.64	0	N	A	53.4	-24.2	0.0	-2.6	0.0	0.0	31.9
1892	17613234.24	4825133.03	3.10	0	D	A	59.6	-22.0	0.0	-2.4	0.0	0.0	40.0
1892	17613234.24	4825133.03	3.10	0	N	A	53.4	-22.0	0.0	-2.4	0.0	0.0	33.8
1938	17613208.83	4825097.47	3.34	0	D	A	59.6	-35.1	0.0	-2.2	0.0	0.0	26.7
1938	17613208.83	4825097.47	3.34	0	N	A	53.4	-35.1	0.0	-2.2	0.0	0.0	20.5
2106	17613290.56	4825192.53	4.78	0	D	A	41.0	-24.1	0.0	-0.3	0.0	0.0	17.2
2107	17613236.87	4825129.95	5.24	0	D	A	41.0	-21.9	0.0	-0.2	0.0	0.0	19.3
2107	17613236.87	4825129.95	5.24	0	N	A	33.2	-21.9	0.0	-0.2	0.0	0.0	11.5
2108	17613287.66	4825195.29	4.78	0	D	A	41.0	-24.2	0.0	-0.3	0.0	0.0	17.1
2109	17613234.24	4825133.03	5.23	0	D	A	41.0	-22.0	0.0	-0.2	0.0	0.0	19.1
2109	17613234.24	4825133.03	5.23	0	N	A	33.2	-22.0	0.0	-0.2	0.0	0.0	11.3

APPENDIX C: WARNING CLAUSES

- TYPE A:** “Purchasers/tenants are advised that sound levels due to increasing road traffic and rail traffic may occasionally interfere with some activities of the dwelling occupants as the sound levels exceed the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks.”
- TYPE B:** “Purchasers/tenants are advised that despite the inclusion of noise control features in the development and within the building units, sound levels due to increasing road traffic and rail traffic may on occasions interfere with some activities of the dwelling occupants as the sound levels exceed the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks.”
- TYPE C:** “This dwelling unit has been designed with the provision for adding central air conditioning at the occupant’s discretion. Installation of central air conditioning by the occupant in low and medium density developments will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks.”
- TYPE D:** “This dwelling unit has been supplied with a central air-conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment, Conservation and Parks.”
- TYPE E:** “Purchasers/tenants are advised that due to the proximity of the adjacent industry, noise from the industry may at times be audible.”
- CN:** “Warning: Canadian National Railway Company or its assigns or successors in interest has or have a right-of-way within 300 metres from the land the subject thereof. There may be alterations to or expansions of the rail facilities on such right-of-way in the future including the possibility that the railway or its assigns or successors as aforesaid may expand its operations, which expansion may affect the living environment of the residents in the vicinity, notwithstanding the inclusion of any noise and vibration attenuating measures in the design of the development and individual dwelling(s). CNR will not be responsible for any complaints or claims arising from use of such facilities and/or operations on, over or under the aforesaid right-of-way.”
- Metrolinx:** “Metrolinx, carrying on business as GO Transit, and its assigns and successors in interest has or have a right-of-way within 300 metres from the land the subject hereof. There may be alterations to or expansions of the rail facilities on such right-of-way in the future including the possibility that GO Transit or any railway entering into an agreement with GO Transit to use the right-of-way or their assigns or successors as aforesaid may expand their operations, which expansion may affect the living environment of the residents in the vicinity, notwithstanding the inclusion of any noise and vibration attenuating measures in the design of the development and individual dwelling(s). Metrolinx will not be responsible for any complaints or claims arising from use of such facilities and/or operations on, over or under the aforesaid right-of-way.”

APPENDIX D: REFERENCES

1. Ministry of the Environment, "Model Municipal Noise Control By-Law, Final Report," August 1978.
2. Ontario Ministry of the Environment, Environmental Approvals and Land Use Planning Branch, "Guidelines for Road Traffic Noise Assessment," July 1986.
3. Ministry of the Environment's *STAMSON* Computer Programme (Version 5.03) for the IBM PC.
4. Ministry of the Environment, *ORNAMENT*, "Ontario Road Noise Analysis Method for Environment and Transportation," November 1988.
5. Quirt, D.J., "Controlling Sound Transmission into Buildings," National Research Council, Building Practice Note 56, Update 1.1.
6. Ministry of the Environment, *STEAM* "Sound from Trains Environmental Analysis Method," July 1990.
7. Ministry of the Environment, "Environmental Noise Guideline: Stationary and Transportation Sources – Approval and Planning," Publication NPC-300, August 2013.
8. J.E. Coulter Associates Limited, "Noise and Vibration Impact Assessment, Hurontario-Main Light Rail Transit," June 2014.