APPENDIX I

Noise Assessment Report

MINISTRY OF TRANSPORTATION ONTARIO

NOISE ASSESSMENT REPORT HIGHWAY 401 PLANNING STUDY FROM COLBORNE TO BRIGHTON (GWP 4054-17-00) PRELIMINARY DESIGN AND ENVIRONMENTAL ASSESSMENT

DECEMBER 12, 2023







NOISE ASSESSMENT REPORT

HIGHWAY 401 PLANNING STUDY FROM COLBORNE TO BRIGHTON (GWP 4054-17-00) PRELIMINARY DESIGN ENVIRONMENTAL ASSESSMENT

MINISTRY OF TRANSPORTATION ONTARIO

REV2

PROJECT NO.: 17M-01712-11 CLIENT REF: GWP 4054-17-00 DATE: DECEMBER 12, 2023

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PROJECT NAME:	HIGHWAY 401 WIDENING AND REHABILITATION OF STRUCTURES FROM 0.8 KM EAST OF PERCY STREET TO KM WEST OF CHRISTIANI ROAD 4016-E-0034				
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	Following MTO's review of RevA, updates to NSAs and receptors were included as requested)				

DATE: December 12, 2023

EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) was retained by the Ontario Ministry of Transportation (MTO) to undertake a Planning, Preliminary Design and Class Environmental Assessment (Class EA) for the replacement and rehabilitation of structures, establishing the future footprint of Highway 401 from four lanes to an interim six lanes and ultimate eight lanes from 0.8 km east of Percy Street to 0.4 km west of Christiani Road (GWP 4054-17-00). As a conservative approach, the predictable worst-case of 8 lanes scenario (ultimate) was assessed in this report. The Project was carried out as a Group 'B' undertaking under the MTO Class EA for Provincial Transportation Facilities (2000).

Technically preferred design for its future operation and construction noise impact in the noise sensitive areas was assessed in this report. The potential noise impact due to the operational improvements are from future traffic on the improved and realigned corridors and was assessed in accordance with the MTO's "Environmental Guide for Noise", February 2022 (the MTO's Guide). The following Ontario Ministry of the Environment guidelines such as NPC 118 "Motorized Conveyances", NPC-115 "Construction Equipment", etc., were indirectly complied within this study and are referenced within the MTO guide; therefore, may not be directly referenced.

The study assumptions and input parameters are discussed throughout the report; this includes the following:

- road alignment and gradient in Section 1.1 and Appendix A.
- Traffic data including commercial vehicle percentage, medium/heavy truck split and posted speed in Section 4.1.
- Assessment methodology in Section 3.2 and Section 4.1.
- Topographical features and barriers in Section 4.2, including existing noise berms or topographic features east of Lake Road on the south side of Highway 401 (Little Lake area).
- Receptor locations, elevations and heights in Section 3.1.

The results and analysis are presented in **Section 4**. The analysis was completed using TNM available within CADNA/A software and a calibration of the use of this software is presented within **Section 3.2**. The noise resulting from the Project's construction activities was considered as well in this assessment.

The analysis indicated that both the future traffic noise results in the future no build and future with build scenarios exceeded 65 dBA. A further investigation of noise barriers to mitigate sound level indicated that such barriers are not economically feasible. Therefore, the report concluded that noise control barriers are not feasible for this Project in accordance with the MTO guide.

Construction Noise from General Construction was also reviewed and discussed. Refer to **Section 5** for general recommendations; in summary there is low potential for a significant impact on the acoustic environment due to construction activities during daytime hours. A complaint management process is recommended when construction is occurring during nighttime hours in the vicinity of receptors.

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1 INTRODUCTION

The Ontario Ministry of Transportation (MTO) has retained WSP Canada Inc. (WSP) to undertake a Planning, Preliminary Design and Class Environmental Assessment (Class EA) Study (the Project) for the replacement and rehabilitation of structures, establishing the future Highway 401 footprint for an interim six lanes and ultimate eight lanes from 0.8 km east of Percy Street to 0.4 km west of Christiani Road (GWP 4054-17-00) (The Project Study Area or PSA). The Project is being carried out in accordance with the MTO Class Environmental Assessment for Provincial Transportation Facilities (2000) as a Group 'B' undertaking. Accordingly, this noise assessment considers the technically preferred design for its future operation and construction noise impact in the noise sensitive areas.

1.1 PROJECT DESCRIPTION

The Project Study Area includes Highway 401 from 0.8 km east of Percy Street to 0.4 km west of Christiani Road as shown in **Figure 1.** The Brighton Car Park is **a** commuter parking lot and is located at the intersection of County Road 30 and Highway 401 at 15336 Telephone Road within the PSA. This lot is used for carpool as well as generic commuter usage and can park 46 vehicles with two handicap spaces. It is understood that a previous Environmental Assessment completed in 2005 for the intersection of County Road 30 and Highway 401 and it is not part of this Project (see **Appendix A**). However, the commuter parking lot is part of this study due to proposed improvements. The following improvements are planned for the Project:

- Replacement of structures within the project limits, which are approaching the end of their service life with new bridges planned to have a service life of 75 years.
- Widening of structures to provide sufficient room for the traffic staging for future rehabilitation projects.
- Widening from four lanes to an interim six lanes, and future eight lanes.
- Commuter parking lot improvements

The existing conditions within the PSA consists of the existing four lanes along with sections of passing lanes with traffic travelling in both eastbound and westbound directions. As noted the Project includes replacement and rehabilitation of structures, establishing the future Highway 401 footprint for an interim six lanes and ultimate eight lanes to address current and future transportation needs from 0.8 km east of Percy Street to 0.4 km west of Christiani Road and commuter parking lot improvements. The major proposed changes include the transition of the existing lanes to become westbound lanes, and the addition of two new lanes separated from the existing roadway to be built to the east of the existing lanes for eastbound traffic near the Lake Road overpass. These additional lanes begin slightly east of the existing lanes approximately 17 + 000 marker to the 18 + 500 marker as shown in the imagery attached in **Appendix A**. In this segment the alignment deviates considerably northward away from receptors located to the south.

Future operation/traffic noise after the improvements have the potential to change the future acoustical environment, while the Project's construction has the potential to influence the environment during construction. Therefore, WSP has considered the acoustical effect of future traffic noise, as well as proposed construction in this assessment.

1.2 STUDY OBJECTIVES

This noise assessment considered the noise impact resulting from the proposed operational improvements and construction at areas adjacent to the Noise Sensitive Areas (NSAs) within the PSA. The potential noise impact due to the operational improvements are from future traffic on the improved and realigned corridors and was assessed in accordance with the MTO's "Environmental Guide for Noise", February 2022 (the MTO's Guide). The noise resulting from the Project's construction activities was considered as well in this assessment. The methodology, findings, conclusions, and recommendations of this noise assessment are presented in the subsequent sections of this report.

2 ASSESSMENT GUIDELINES

Noise is considered a pollutant under the Ontario Environmental Protection Act; therefore, the Project requires a noise assessment to identify and mitigate potential impacts. The environmental noise from transportation sources in freeways such as Highway 401 are typically assessed using 24-hour equivalent sound level (Leq 24hr) and transportation sources for all other classes of highways and arterial roads are typically assessed based on a 16-hour daytime continuous sound level (Leq 16hr). However, it is understood that for all roads, a 24-hour period is to be used when 24 hour traffic counts are available. In cases where 24-hr counts are not available, then 16-hr data can typically be used only for other highways and arterial roads (i.e. non-freeways).

The sound level LAeq is defined as the steady A-weighted sound level having the same total sound energy over a specified period of time (i.e., 24-hour, 16-hour or 8-hour period) as the time varying sound over the same period. Sound levels in the A-weighted decibel scale (dBA) approximate the average human perception of sound and are therefore considered in the guidelines.

It should be noted that although environmental noise in this report is represented by A-weighted decibels (dBA), a difference between two A-weighted sound levels is reported in decibels (dB); in other words, a change (i.e., increase or decrease) in sound level is always reported in decibels (dB). This section focuses on the criteria considered in this assessment for future traffic noise, construction noise as well as noise and vibration from blasting.

2.1 NOISE FROM OPERATION/FUTURE TRAFFIC

As discussed, the MTO's Guide provides guidelines for assessing the potential noise impact due to highway and freeway improvement projects. The MTO's Guide is based on assessing future outdoor noise (e.g., 10 years after the construction of the project/undertaking). In determining the noise impact, it requires consideration of future sound levels at the outdoor living area (OLA) of NSAs. NSAs are defined as groups of noise sensitive land uses. A noise sensitive land use is defined as a land use with an OLA associated with them as further discussed within this report. The OLA is an area at ground level, adjacent to a noise sensitive land use with the intended use of enjoyment of the outdoor environment. This can include backyards, swimming pools, patios, etc. The OLA is typically located in the rear yard and may include shielding from the building, where applicable; however, the side of the house closest to the highway should be assumed as the OLA if it is not clearly identifiable. Additionally, noise impacts are assessed at the OLA of a receptor which are evaluation points within an NSA representing up to 3 acoustically similar noise sensitive land use locations within the NSA (i.e. representative receptor).

As per the MTO's Guide, the assessment of noise impact includes two components/steps:

- ▶ Step #1 Estimate the future sound level at the OLA of the representative receptor of the noise sensitive land use within the NSAs for both "Future No-Build" and "Future Build" scenarios. "Future No-Build" is the scenario without the project undertaking, whereas "Future Build" is the scenario with the project undertaking and no noise mitigation. If the assessment predicts that the overall sound level is less than 65 dBA and the change in sound level between the "Future No-Build" and "Future Build" scenarios is less than 5 dB, then no noise mitigation needs to be considered (**Table 1**).
- Step #2 If the assessment predicts that the overall sound level is greater than or equal to 65 dBA and/or the change in sound level is greater than or equal to 5 dB, then mitigation should be investigated along with its feasibility as per the MTO's Guide (Table 2).

The MTO's Guide is summarized in Table 1 and Table 2.

Change in Noise Level due to Proposed Improvements / Projected Future Build Noise Levels	Mitigation Effort Required	
Projected Sound Level of "Future Build" scenario is less than 65 dBA AND Change in Sound Level above the "Future No-Build" scenario is less than 5 dB	- None	
Projected Sound Level of "Future Build" scenario is greater than or equal to 65 dBA AND/OR Change in Sound Level above the "Future No-Build" scenario is greater than or equal to 5 dB	 Noise control to achieve acceptable sound level at the OLA shall be investigated as follows: Investigate noise control measures on right-of-way (ROW) Introduce noise control measures within ROW and mitigate to "Future No-Build" noise levels if technically, economically and administratively feasible Noise control measures, where introduced, should achieve a minimum of 5 dBA attenuation averaged over first row receptors 	

Table 1: MTO Environmental Guide for Noise – Criteria for Mitigation

Table 2: MTO Environmental Guide for Noise – Technical, Economic and Administrative Feasibility

Technical Feasibility	Review the constructability of the noise mitigation (i.e. design of wall, roadside safety, shadow effect, topography, achieve at least a 5 dB reduction, ability to provide a continuous barrier, etc.).
Economic Feasibility	Carry out a cost/benefit assessment of the noise mitigation (i.e., determine cost per benefited receiver).
Administrative Feasibility	Determine the ability to locate the noise mitigation on lands within public ownership (i.e., provincial or municipal right-of-way).

2.2 NOISE FROM CONSTRUCTION

In accordance with the MTO Guide, construction activities are to be carried out in a way to minimize noise levels and a process for dealing with complaints during construction must be identified.

Construction activities will include the operation of several types of general road construction machinery, such as roller, milling machine, dump trucks, sweeper, paver. This section focuses on the noise from the use of general road construction machinery. Such machinery typically does not create vibration and therefore was not considered.

Due to the temporary nature of construction noise, the MTO's Guide does not provide a noise limit for construction noise. In place of a limit, it requires consideration of the following:

- 1 Potential noise impact of construction equipment on NSAs;
- 2 Location of NSAs in relation to the construction area;
- 3 Timing and hours of construction; and,
- 4 Technical and economic feasibility of various alternatives and appropriate construction noise control measures.

At this stage of the design, the detailed construction schedule and equipment usage are not available; therefore, general assumptions regarding construction staging and equipment were used to predict the potential construction noise impact on NSAs.

The Project NSAs are located within the Township of Cramahe and Brighton; the municipal bylaws of Cramahe (Colborne region) prohibit noise from construction work between the hours of 20:00 to 7:00 as per by-law 06-71 "The Noise By-law", which is considered to apply for the general public. Municipal bylaws for Brighton township prohibit noise from construction work between the hours of 21:00 to 7:00 as per Noise by-law 118-2017. Although these townships are governed by their own noise by-laws the MTO is exempt from such requirements for municipal noise by-laws. The MTO recognizes the impacts that construction related noise may have on community and best practices for construction noise management are further discussed in **Section 5**.

3 NOISE ASSESSMENT METHOD

This section describes noise sensitive areas and noise assessment methods for future traffic noise, construction noise as well as noise and vibration from blasting.

3.1 NOISE SENSITIVE AREAS (NSA)

As discussed previously, an NSA is defined as a group of noise sensitive land uses with OLAs associated with them. In accordance with the MTO Guide, NSAs are differentiated between two types: Traditional NSAs (e.g. residences) and Special Land Use NSAs (e.g. educational facilities).

Traditional NSAs include:

- Private homes such as single-family residences.
- Townhouses;
- Multiple unit buildings, such as apartments, with OLAs for use by all occupants; and,
- ▶ Hospitals and nursing homes where there are OLAs for patients/residents.

The following may also qualify as Special Land Use NSAs if they are part of a community:

- Educational facilities and day care centres, where there are OLA's for students;
- Campgrounds that provide overnight accommodation;
- ▶ Hotels/motels where there are OLAs' (i.e. swimming pool area, etc.) for visitors;
- Community centres with OLAs (e.g. outdoor basketball courts, etc.);
- Municipal parks (excluding golf courses and trails); and,
- Places of worship with OLAs.

The project Study Area was established extending 600 metres from the proposed alignments, this area is considered as the Project Noise Limits, and was considered in the assessment as shown in **Figure 2A** for roads between County Road 25 and County Road 30, and **Figure 2B** for roads between County Road 30 and County Road 40.

NSAs within the Project Noise Limits were identified based on a review of land uses and aerial imagery.

- Areas to the east of County Road 25 (Percy Street) contain sparsely populated residential dwellings to the north and south of Highway 401. The density of dwellings significantly decreases after a 6km stretch until the County Road 30 intersection (Figure 3-1 to 3-3).
- ▶ From County Road 30 to the end of the study area, approximately 400m west of Christiani Road, the NSAs are scattered along a 4.5km stretch with all but one located south of Highway 401.

For the purpose of this assessment, 90 properties were considered as representative receptors of the 305 noise sensitive land uses within the Study Area. The identified noise receptors represent the OLA of the representative dwellings. The location of receptors was determined following the MTO's Guide at 3.0 metres from the façade and at a height of 1.5 metres above the existing grade. The receptor locations are shown in **Figure 3-1 to 3-3** and **Table 3** summarizes the receptors along with the represented noise sensitive land uses. Areas with no noise sensitive areas, such as industrial plazas, vacant land masses, and areas dismissed from the study (noted in Section 1.1) are depicted in **Figures 3-1 to 3-3**.

NSA	DESCRIPTION OF NOISE SENSITIVE LAND RECEPTOR USES				
	R01	Residential Building with OLA			
NSA01	R02	Residential Building with OLA			
	R03	Residential Building with OLA			
	R04	Residential Building with OLA			
	R05	Residential Building with OLA			
	R06	Residential Building with OLA			
NSA02	R07	Residential Building with OLA			
	R08	Residential Building with OLA			
	R09	(Second Row) Residential Building with OLA			
	R10	(Second Row) Residential Building with OLA			
	R11	Residential Building with OLA			
	R12	Residential Building with OLA			
	R13	Residential Building with OLA			
	R14	Residential Building with OLA			
	R15	Residential Building with OLA			
	R16	Residential Building with OLA			
	R17	Residential Building with OLA			
	R18	Residential Building with OLA			
	R19	Residential Building with OLA			
	R20	Residential Building with OLA			
	R21	Residential Building with OLA			
	R22	Residential Building with OLA			
	R23	Residential Building with OLA			
NSA 03	R24	Residential Building with OLA			
	R25	Residential Building with OLA			
	R26	Residential Building with OLA			
	R27	Residential Building with OLA			

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NSA	RECEPTOR	DESCRIPTION OF NOISE SENSITIVE LAND USES		
	R28	Residential Building with OLA		
	R29	Residential Building with OLA		
	R30	Residential Building with OLA		
	R31	Residential Building with OLA		
	R32	Residential Building with OLA		
	R33	Residential Building with OLA		
NEAO4	R34	Residential Building with OLA		
NSA04	R35	Residential Building with OLA		
	R36	Residential Building with OLA		
	R37	Residential Building with OLA		
	R38	(Second Row) Residential Building with OLA		
	R39	(Second Row) Residential Building with OLA		
	R40	Residential Building with OLA		
	R41	Residential Building with OLA		
	R42	Residential Building with OLA		
	R43	Residential Building with OLA		
NSA05	R44	Residential Building with OLA		
	R45	Residential Building with OLA		
	R46	Residential Building with OLA		
	R47	Residential Building with OLA		
	R48	Residential Building with OLA		
	R49	(Second Row) Residential Building with OLA		
	R50	(Second Row) Residential Building with OLA		
	R51	Residential Building with OLA		
	R52	Residential Building with OLA		
	R53	Residential Building with OLA		
NSA06	R54	Residential Building with OLA		
	R55	Residential Building with OLA		
	R56	Residential Building with OLA		

NSA	RECEPTOR	DESCRIPTION OF NOISE SENSITIVE LAND USES	
NSA07	R57	Residential Building with OLA	
NSA08	R58	Residential Building with OLA	
	R59	Residential Building with OLA	
	R60	Residential Building with OLA	
	R61	Residential Building with OLA	
NSA09	R62	Residential Building with OLA	
	R63	Residential Building with OLA	
NSA10	R64	Residential Building with OLA	
NSAIU	R65	Residential Building with OLA	
	R66	Residential Building with OLA	
NSA11	R67	Residential Building with OLA	
NSAII	R68	(Second Row) Residential Building with OLA	
	R69	(Second Row) Residential Building with OLA	
	R70	Residential Building with OLA	
	R71	Residential Building with OLA	
	R72	Residential Building with OLA	
	R73	(Second Row) Residential Building with OLA	
	R74	Residential Building with OLA	
	R75	Residential Building with OLA	
	R76	(Second Row) Residential Building with OLA	
NSA12	R77	Residential Building with OLA	
	R78	Residential Building with OLA	
	R79	Residential Building with OLA	
	R80	Residential Building with OLA	
	R81	Residential Building with OLA	
	R82	Residential Building with OLA	
	R83	Residential Building with OLA	
	R84	Residential Building with OLA	
	R85	Residential Building with OLA	

NSA	RECEPTOR	USES
	R86	Residential Building with OLA
NSA13	R87	(Second Row) Residential Building with OLA
	R88	(Second Row) Residential Building with OLA
NSA14	R89	Residential Building with OLA
	R90	Residential Building with OLA
Matan		

DESCRIPTION OF NOISE SENSITIVE LAND

Notes:

(1) Refer to Figure 4 for Noise Sensitive Land Use locations

3.2 OPERATION/FUTURE TRAFFIC NOISE

The noise impact from a transportation corridor depends on several parameters (i.e. traffic volume, speed, road surface, etc.) as well as the location of the noise receptors. The MTO's Guide provides an assessment methodology, the study area, traffic parameters and assessment locations for receptors. These are discussed in this section.

Project Noise Limits were established extending 600 metres from the proposed alignments, this area was considered in the assessment as shown in Figure 2A and Figure 2B. The primary noise sources included in the noise modelling within the Study Area are vehicular traffic noise from Highway 401, and construction noise sources during Project construction. The Project Construction Limits are shown in Figure 2A and Figure 2B.

The MTO's Guide requires that future sound levels from the proposed undertaking are estimated and assessed using noise prediction methodologies approved by the MECP.

The MECP updated their guidance requiring the use of up-to-date noise prediction methods and software for determining the impacts of noise from roads and railways (Publication NPC-306 "Methods to Determine Sound Levels Due to Road and Rail Traffic" December 2021). The Publication NPC-306 replaces Publication NPC-206 "Sound Levels Due to Road Traffic", dated October 1995.

Although Publication NPC-306 is in circulation for comments as draft, it authorizes the use of other software provided that a sample calculation can be provided showing similar results. This assessment therefore uses the updated guidance set out in NPC-306 to account for complex features of the Project (topography etc.,).

The future road traffic sound levels were predicted using the commercially available software package Cadna/A, a computer implementation of the algorithms ISO Standard 9613-2 "Acoustics - Attenuation of Sound During Propagation Outdoors", and Traffic Noise Model (TNM) by the Federal Highway Administration (FHWA).

Therefore, for the traffic noise prediction, the TNM algorithm was used and a calculation validation against the most recent version (Version 3.1) of the Traffic Noise Model (TNM) software is included in Appendix B.

The (TNM and ISO 9613) algorithms consider the source sound levels, distance attenuation, source-receptor geometry, screening provided by intervening structures, ground and air (atmospheric) attenuation, and temperature and humidity effects on noise propagation. The following parameters were taken into consideration in the model:

- Road alignments and gradients;
- Traffic volumes;
- Commercial vehicle percentages percentage of medium trucks and heavy trucks;
- Traffic speed the posted speed limits;
- Shielding provided by intervening buildings, barriers and/or topographical features; and,
- Special details barrier and receptor locations, elevations, and heights.

The FHWA TNM noise algorithm is based on parametric equations requiring variables such as vehicle volumes, speed, and percentages of heavy trucks and medium trucks or buses. As noted, the TNM predictions were verified against TNM Version 3.1 software at the existing receptor R## using available project topography. The results are considered in agreement within prediction tolerances and the prediction files and comparisons are included in **Appendix B**.

Topographic information of the Study Area was obtained from the design team and used within the model. The following methodology was used for noise assessment for future operation:

- Determine the projected future sound levels and change in sound levels (i.e. noise impact) at NSAs resulting from the proposed undertaking in accordance with the MTO's Guide; the following scenarios were considered to establish the future effect and changes in sound level:
 - ▶ Future scenario without the Project undertaking ("Future No-Build") i.e. the future scenario due to traffic growth with the existing infrastructure (i.e. roadway alignments and profiles remain unchanged).
 - ▶ Future with the Project undertaking ("Future Build") i.e. the future scenario due to traffic growth along with the proposed roadway alignments, profiles, interchanges etc., implemented.
- Determine mitigation requirements, if required, to demonstrate compliance with the MTO's Guide; and,
- Develop design details of noise control measures (if required) and recommendations for the design team.

The MTO's Guide requires the use of 24-hour traffic volumes for freeways and where 24-hour traffic counts are available. Alternatively, 16-hour daytime traffic volumes for other highways and arterial roads can be used where 24-hour traffic counts are not available. For this assessment, 24-hour traffic was used for Highway 401 because it falls under the MTO Guide's definition of "freeway" as a means-controlled access median divided highway facility with grade separated crossings and interchanges, and the 24-hour traffic count information is available.

A review of the available information showed an existing noise berm at the intersection of Lake Road and Highway 401 (east of Lake Road and south of Highway 401). This noise berm provides sound mitigation for NSA05 and is included in the modelling of the Project for scenarios of with undertaking and without undertaking.

3.3 CONSTRUCTION NOISE

At this stage of design, construction staging and details on construction machinery along with their operating schedules during the construction period are not available. The noise impact from construction depends on several parameters (i.e. construction activity, operation of equipment etc.) and the location of the noise receptors (Refer to Section 3.1 for receptors).

The MTO's Guide requires the undertaking of highway construction projects in a manner which minimizes sound levels and the identification of a process for handling public complaints during construction. If there are pile driving and blasting operations, those should be in accordance with OPSS 120 and Ministry of the Environment, Conservation and Parks (MECP) Publication NPC-119. Construction equipment shall comply with the requirements provided in MECP publication NPC-115 "Construction Equipment" and any motorized convenance related to construction shall comply with the MECP publication NPC-118 "Motorized Conveyances" for source-based noise limits.

Given that MTO is legally exempt from the requirements of municipal noise by-laws, MTO will no longer be applying for these permits. MTO recognizes the impacts that construction related noise can have on a community and will ensure clear and frequent communication with the municipality to work within the spirit of the municipal noise by-law. All reasonable attempts will be made including public notification and mitigation measures to reduce noise.

Since the construction schedule and details of construction machinery along with their operating schedules during the construction period are not available, construction was reviewed qualitatively in this assessment.

4 FUTURE TRAFFIC NOISE RESULTS

As discussed previously, future sound levels were predicted using CADNA/A software at the representative receptors (**Figure 3-1 to 3-3**), which are OLAs of noise sensitive land uses grouped within NSAs.

4.1 ROAD TRAFFIC AND OTHER DATA

As discussed, the MTO's Guide requires an assessment based on future sound level. The future is typically considered to be 10 years after construction of the undertaking. The year of construction is not known at this stage; therefore, the future traffic volumes are based on traffic data from the year 2041 as provided by the design team.

The MTO's Guide suggests the use of the higher of the Annual Average Daily Traffic (AADT) or the Summer Average Daily Traffic (SADT) volumes for estimating future sound levels. The projected SADT volumes and medium to heavy truck (refer MECP guide NPC 118 Motorized Conveyances for heavy trucks) split ratios were obtained from the design team and used in this assessment. The traffic information corresponds to the year 2041and was used in this assessment.

The traffic data provided indicated that there is no predicted difference in the future traffic volumes with and without the undertaking of the Project. Therefore, the assessment considered the future traffic volumes with and without the undertaking of the Project. The future traffic data was found to be the same for both cases. In the "Future Build" scenario the traffic volume was assumed to be an even split between the four proposed lanes for each direction.

As per MTO requirements a 24-hour traffic volume was considered. Other road parameters such as alignments and gradients were obtained from the design drawings; topography data within the Project Noise Limits were also obtained from the design drawings and existing geographical contour data.

The traffic volumes for the "Future No-Build" and "Future Build" scenarios are summarized in **Table 4**. As discussed, the traffic volumes are not expected to increase significantly due to the improvements and therefore were assumed to be the same for both scenarios.

ROADWAY	YEAR	AADT	SADT	POSTED SPEED LIMIT (KM/H)	TRUCK PERCENTAGE (%)	MEDIUM / HEAVY TRUCK PERCENTAGE (%)
Highway 401 East - bound [County Road 25 to County Road 30]	2041	29700	36200	100	10.2	24/76
Highway 401 West - bound [County Road 25 to County Road 30]	2041	30000	36500	100	12.8	14/86
Highway 401 East - bound [County Road 30 to County Road 40]	2041	30000	36600	100	10.2	24/76
Highway 401 West - bound [County Road 30 to County Road 40]	2041	30400	37100	100	12.8	14/86

Table 4: Future Traffic Data

4.2 ANALYSIS RESULTS

Table 5 summarizes the predicted future sound levels at the receptor locations with and without the Project undertaking, as well as the predicted changes in the future sound levels. Cadna/A input and output sheets are attached in Appendix C.

		PROJECTED SO YEAR 2 (L _{EQ} 24-	NOISE CONTROL CONSIDERATION				
LAND USE	LOCATION OF THE RECEPTOR	FUTURE WITHOUT PROJECT UNDERTAKING "FUTURE NO BUILD"	FUTURE WITH PROJECT UNDERTAKING "FUTURE BUILD"	PROJECTED CHANGE IN SOUND LEVEL (SPL CHANGE) (DB)	SPL ≥65 dBA	SPL CHANGE ≥5 dB	MITIGATION INVESTIGATION REQUIRED? Y/N OR N/A ⁽¹⁾
NSA 01	OLA	31 – 40.2	30.5 – 40	0.2 – 0.5	Х	Х	Ν
NSA 02	OLA	54.0 - 61.4	54.0 - 61.4	0	х	Х	Ν
NSA 03	OLA	47.3 – 67.5	47.2 – 67.8	0.1 – 0.3	~	Х	Y
NSA 04	OLA	55.2 – 57.4	55.1 – 56.9	0.1 – 0.5	х	Х	N
NSA 05	OLA	55.3 – 64.4	55.1 – 64.3	0.1 - 0.2	Х	Х	N
NSA 06	OLA	53.4 – 55.6	53.4 – 54.6	1.0	Х	Х	N
NSA 07	OLA	64.2	64.2	0	Х	Х	N
NSA 08	OLA	57.3 – 62.2	57.2 – 62.1	0.1	х	Х	N
NSA 09	OLA	37.4 - 43.2	37.5 - 43.2	0.1	Х	Х	N
NSA 10	OLA	50.7 – 58.4	50.6 – 58.7	0.1 – 0.3	Х	Х	Ν
NSA 11	OLA	54 – 66.7	53.9 – 66.8	0.1	✓	Х	Y
NSA 12	OLA	53.3 – 70.1	53.4 – 70.1	0.1	✓	Х	Y
NSA 13	OLA	51.8	51.8	0	х	Х	Ν
NSA 14	OLA	52.3 – 60.2	52.4 – 60.2	0.1	Х	Х	N

Table 5: Summary of Predicted Sound Levels

Notes:

(1) Y: Yes, Mitigation investigation is required; N: No, Mitigation investigation is not required; and N/A: not applicable.

Table 5 shows that the predicted future sound level with the undertaking of the Project is below 65 dBA for all Noise Sensitive Areas other than the following three (3): NSA 03, NSA 11 and NSA 12; and the corresponding changes in sound level are less than 5 dB for every receptor location.

Therefore, a preliminary noise control investigation was completed for the above-mentioned 3 NSAs in accordance with the MTO's Guide. The findings of the preliminary noise control are provided in the following sections.

As mentioned in **Section 3.2** noise mitigation measures for NSA 05 are provided by the noise berm located at the intersection of Lake Road and Highway 401. This noise berm provides coverage for the above-mentioned land uses, thus, no mitigation will be required for this area with Project undertaking. Additionally, this noise berm is identified under the MTO's noise barrier retrofit policy.

4.3 ASSESSMENT OF MITIGATION

Where the future sound levels are greater than or equal to 65 dBA and/or increase in sound levels greater than or equal to 5 dB are predicted, the MTO's Guide requires that noise control measures be investigated within the MTO's rightof-way (ROW). In order to be technically feasible, the mitigation measures should achieve a minimum attenuation of 5 dB averaged over the first-row receptors and mitigate as close to, or lower than, the ambient sound level. In addition, such mitigation measures should also be economically and administratively feasible.

Investigation of noise control measure was conducted for NSA 03, NSA 11, and NSA 12. Noise control measures in the form of barriers were introduced within the ROW to investigate the technical, economic, and administrative feasibility of mitigating noise levels to less than 65 dBA at the impacted receptors. The following were assumed:

- ▶ A 5-metre-high noise wall, which is consistent with the maximum height considered for MTO projects; and,
- Typical cost for installing barrier per square meter is \$600 (i.e., \$600/ Square meter installation cost, includes materials)
- An acceptable or reasonable value for overall barrier is \$120,000/benefited receptor.

A 5-metre-high noise wall was reviewed along the ROW of the proposed Highway 401 from County Road 25 to County Road 40. The locations and alignments are shown in **Figures 4A** – **4B** and labelled as "Reviewed Noise Wall #1 - #3". Summary of the review is provided in **Table 6** and **Table 7**.

Table 6: Summary of Mitigated Sound Levels

		PROJECTED YEAR 2 (L _{EQ} 16-	SOUND LEVEL 2041 (SPL) HR) (DBA)	PROJECTED		
BARRIER ID	RECEPTORS ON FIRST ROW (OLAS)	FUTURE WITHOUT PROJECT UNDERTAKING "FUTURE NO BILD"	FUTURE WITH PROJECT UNDERTAKING+ Mitigation "FUTURE BUILD Mitigated"	CHANGE IN SOUND LEVEL (SPL CHANGE) (DB)	AVERAGED OVER 1 ST ROW OF RECEPTORS (DB)	TECHNICALLY FEASIBLE? [Y/N] (I.E. MINIMUM 5 DB REDUCTION?) ⁽¹⁾
BR#1	NSA 03	47.3 – 67.5	46.5 - 59.8	0.8 – 7.7	9	Y
BR#2	NSA 11	54 - 66.7	53.5 – 59.3	0.5 – 7.4	5	Y
BR#3	NSA 12	53.3 – 70.1	53.3 - 63.4	0-6.7	6	Y

Notes:

(1) Y: Yes, Mitigation investigation is required; N: No, Mitigation investigation is not required; and N/A: not applicable.

I	REVIEWED NOISE WALL # ⁽¹⁾	LENGTH OF NOISE WALL (M)	AVERAGE NOISE LEVEL REDUCTION OVER FIRST ROW RECEPTORS (DB)	TECHNICALLY FEASIBLE? (YES/NO)	TOTAL NOISE WALL COST (\$) @ \$600/SQ.M	NUMBER OF BENIFITED RECEPTORS (OVER 5 DB REDUCTION)	ESTIMATED NOISE WALL COST PER BENEFITTED HOUSE (\$)	ECONOMICALLY FEASIBLE? (YES/NO)
	1	1370	9	Yes	4,110,000	18	228,333	No
	2	320	5	Yes	930,000	1	930,000	No
	3	1530	6	Yes	4,590,000	23	199,565	No

Table 7: Summary of Feasibility Analysis

(1) Refer to Figure 4 for location.

No administrative feasibility issues were identified.

As shown in **Table 6** and **Table 7**, all of the reviewed noise walls are considered to be technically feasible as they provide a noise attenuation of at least 5 dB over the first-row receptors at the extended lengths listed in **Table 6** and **Table 7**. Though these barriers provide a technically feasible reduction of sound produced for their respective receptor locations, these are not considered economically feasible given their length and relative number of NSAs that will be benefitted as per the MTO's guidelines.

Figure 5-1 to 5-3 shows the cross-section view of the reviewed noise walls, roadways, and associated receptors. As shown in **Figure 5-1 to 5-3**, the NSAs are located adjacent to the road on either side of Highway 401, whereas to be administratively feasible, the lands available for the noise walls are placed closest to the boarder of MTO's ROW and the future build roads. Since none of the noise walls are considered to be both technically and economically feasible, they are not further considered or discussed in this report.

Barrier height requirements were based on preliminary design topographic information (i.e. road elevation and ROW elevations, as well as available topographical information at the receptors. This should be reviewed once final grading plans becomes available and typically done during the detailed design stage of the project.

4.4 SUMMARY OF ANALYSIS

The difference in sound level between the "Future No Build" and "Future Build" scenarios was less than 5 dB for all receptor locations. The future sound level with the project undertaking ("Future Build" scenario) was less than 65 dBA for the majority of the identified NSAs apart from the following three Noise Sensitive Areas: NSA 03, NSA 11 and NSA 12.

Therefore, an assessment of noise mitigation along with a feasibility study was carried out for the three identified NSAs. Noise control was investigated considering 5 m noise barrier at the right-of-way (ROW); the investigation focused on technical, economical, and administrative feasibility.

As shown in **Table 7** above, none of the three noise walls achieved both technical and economical feasibility; therefore, the selected noise mitigation is not feasible.

5 CONSTRUCTION NOISE GENERAL RECOMMENDATIONS

Construction-related activities will occur throughout the project development area; however, a detailed construction schedule or equipment usage details are not available at this time for review. It is recommended to implement a complaint management process and noise mitigation measures on construction equipment/activities. These measures will include, but are not limited to:

- ▶ Where possible, major construction activities to be scheduled during daytime hours (i.e. 07:00 to 19:00), avoiding the nighttime period in the vicinity of receptors. It should be noted that the township of Brighton has municipal by-laws exempting construction noise, between the hours of 07:00 and 21:00 Monday to Saturday, as per Noise By-Law 118-2017 Section 3.1(e); therefore, the following should be considered:
 - Although MTO is legally exempt from the requirements of municipal noise bylaws, where possible, avoid major noise generating construction between the nighttime hours of 21:00 to 7:00 in the vicinity of the receptors.
- ► The Contractor to keep the idling of construction equipment to a minimum as necessary and to maintain equipment in good working order to reduce noise from construction activities and meet MECP guideline NPC 115 "Construction Equipment".
- Equipment manufacturer recommended noise mitigation measures (e.g. muffler systems) to be installed on construction equipment and equipment to be properly maintained.
- Where possible, the Contractor is to implement administrative controls such as maintaining setbacks from NSAs, plan activities considering timing constraints, or scheduling of specific construction activities to minimally disturb the NSAs.
- ▶ Where required and where practical, the contract documents shall include these best management practice guidelines and identify NSAs in the contract package using SP 199F33 or similar documents.
- ▶ Special Provisions similar to the MTO's 199F33 should be included in the contract documents.
- Given that MTO is legally exempt from the requirements of municipal noise bylaws, MTO will no longer be applying for these exemptions. MTO recognizes the impacts that construction related noise can have on a community and will ensure clear and frequent communication with the municipality to work within the spirit of the municipal noise by-law. All reasonable attempts will be made including public notification and mitigation measures to reduce noise.
- Provide a contact number to the local municipality for residents to call if they have any concerns or questions (typically the Contract Administrator or Contract Services Administrator).
- Provide notification of the project prior to commencement of any work advising local residents and businesses of the project timeframe and that the project may create noise in the evening and/or night. Provide notification to property owners adjacent to the worksite prior to work commencing advising of the project timeframe and that the project may create noise in the evening and/or night (e.g. door-to-door flyers). Timing should be consistent with the timelines the local municipality would normally require in a noise bylaw exemption for a project of this scope/magnitude (typically 2-4 weeks prior to work commencing and 2-4 weeks prior to work recommencing each spring).
- A construction noise complaint management process should be implemented with the following steps:

- Maintain a record of all noise complaints including date, time, location and nature of complaint.
- All complaints should be investigated by a Qualified Noise Specialist.
- Appropriate mitigation measures are to be implemented where it is technically, economically, and administratively feasible as required.

6 CONCLUSIONS AND RECOMMENDATIONS

This noise assessment report documents the noise impact of the replacement and rehabilitation of structures and establishing the future Highway 401 footprint for an interim six lanes and ultimate 8 lanes from 0.8 km east of Percy Street to 0.4 km west of Christiani Road (GWP 4054-17-00). The land uses within the Project Noise Limits consist of largely greenspaces and dispersed residential properties. The following provides a summary of recommendations:

- Future Traffic Noise the results of the assessment indicated that the future no build and future with build exceeded 65 dBA at three NSAs. A further investigation of noise barriers to mitigate sound level indicated that such barriers are not economically feasible. Therefore, noise control barriers are not recommended for this Project.
- Construction Noise from General Construction Refer to Section 5 for general recommendations; in summary there is low potential for a significant impact on the acoustic environment due to construction activities during the daytime. A complaint management process is recommended when construction is occurring during nighttime hours in the vicinity of receptors.

FIGURES







17M-01712-11

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PROJECT NO. 17M-01712-11

CONTROL





CONSULTANT

PROJECT NO. 17M-01712-11 CONTROL 0001
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 2023-04-05

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 FIGURE

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LEGEND

- NOISE SENSITIVE LANDUSE ÷
- RECEPTORS
- FUTURE ROAD BUILD

RAILWAY

- NOISE SENSITIVE AREA
 - PROJECT BOUNDARY
 - INDUSTRIAL

VACCANT



NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

A CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

USER COMMUNITY SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 18N

CLIENT ONTARIO MINISTRY OF TRANSPORTATION (MTO)

PROJECT

TITLE

HWY 401 COLBORNE TO BRIGHTON - ENVIRONMENTAL IMPACT ASSESSMENT REPORTING, ONTARIO

AND FUTURE ROAD BUILD

CONSULTANT

~ ~ ~ PROJECT NO. CONTROL 17M-01712-11 0001

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LEGEND

÷	NOISE SENSITIVE LANDUSE
	RECEPTORS
•	PLACES
	FUTURE ROAD BUILD
<u> </u>	RAILWAY

NOISE SENSITIVE AREA

PROJECT BOUNDARY

DISMISSED

VACCANT



NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

ACEFERENCE(S) 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 18N

CLIENT

ONTARIO MINISTRY OF TRANSPORTATION (MTO)

PROJECT

HWY 401 COLBORNE TO BRIGHTON - ENVIRONMENTAL IMPACT ASSESSMENT REPORTING, ONTARIO

TITLE

AND FUTURE ROAD BUILD

CONSULTANT

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LEGEND

÷	NOISE SENSITIVE LANDUSE
	RECEPTORS
•	PLACES
	FUTURE ROAD BUILD
	RAILWAY
í	NOISE SENSITIVE AREA
	PROJECT BOUNDARY
	DISMISSED
	VACCANT



NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

A CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS UPED CONTRIBUTORS, AND THE GIS USER COMMUNITY

SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 18N

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HWY 401 COLBORNE TO BRIGHTON - ENVIRONMENTAL IMPACT ASSESSMENT REPORTING, ONTARIO

AND FUTURE ROAD BUILD

CONSULTANT

**\ ** PROJECT NO. CONTROL 17M-01712-11 0001









SCALE 1:300,000

LEGEND





NOTE(S) 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S) 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO 2. IMAGERY CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 18N

CLIENT ONTARIO MINISTRY OF TRANSPORTATION (MTO)

PROJECT

HWY 401 COLBORNE TO BRIGHTON - ENVIRONMENTAL IMPACT ASSESSMENT REPORTING, ONTARIO

TITLE COUNTY ROAD 25 TO COUNTY ROAD 30 NOISE BARRIERS AND FUTUE ROAD BUILD

CONSULTANT



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PROJECT NO. 17M-01712-11 CONTROL

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FIGURE





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A MTO BACKGROUND



Notice of Study Commencement

Preliminary Design Study and Class Environmental Assessment Highway 401 Planning Study from Colborne to Brighton (GWP 4054-17-00)

THE STUDY

The Ontario Ministry of Transportation (MTO) has retained WSP Canada Group Limited to undertake a Planning, Preliminary Design and Class Environmental Assessment (Class EA) Study on Highway 401 for the replacement and rehabilitation of structures, establishing the future Highway 401 footprint for an interim six lanes and ultimate eight lanes to address current and future transportation needs, and commuter parking lot improvements from 0.8 km east of Percy Street to 0.4 km west of Christiani Road. The approximate length of the study area is 16 km.

This study will include reviewing existing conditions, developing and evaluating alternatives, identifying appropriate improvements, and developing environmental protection/mitigation measures. A Recommended Plan will be confirmed and designated (protected) at the completion of the study.



THE PROCESS

This study is a "Group B" project under the *Class Environmental Assessment (Class EA) for Provincial Transportation Facilities (2000)* and includes undertaking environmental and engineering field investigations and seeking input from the public, local municipalities, external ministries/agencies, and businesses. Two Public Information Centres (PICs) are planned, and notices of the PICs will be advertised in local newspapers, posted on the project website, and sent to the project mailing list.

Upon completion of preliminary design, a Transportation Environmental Study Report (TESR) will be prepared and made available for a 30-day public review period. Notices will be published in local newspapers, posted on the project website, and sent to the project mailing list to advise the public of the TESR public review period.

CONSULTATION AND COMMENTS

You are encouraged to participate in the study and to provide comments in writing to the Project Team. If you wish to have your name added to the project mailing list or have any comments, questions or concerns about the study, please contact one of the following Project Team members:

Mr. Brent Gotts, P.Eng.

Consultant Project Manager WSP Canada Group Limited 610 Chartwell Road, Suite 300 Oakville, ON L6J 4A5 tel: 905-823-8500 toll-free: 1-877-562-7947 e-mail: project-team@Highway401colbornebrighton.ca

Mr. Muhammad Waseem, P.Eng.

Senior Project Engineer Ministry of Transportation - Eastern Region 1355 John Counter Boulevard, P.O. Box 4000 Kingston, ON K7L 5A3 tel: 613-449-2615 toll-free: 1-800-267-0295, ext. 4701 e-mail: project-team@Highway401colbornebrighton.ca

You are encouraged to visit the project website, **www.highway401colbornebrighton.ca**, where project information including study notices, background information, PIC displays, and the TESR will be made available as the study progresses. You can also submit comments and questions to the Project Team on the project website.

If you have any accessibility requirements in order to participate in this project, please contact one of the Project Team members listed above. Comments and information are being collected to assist the MTO in meeting the requirements of the Ontario *Environmental Assessment Act.* Information will be collected in accordance with the *Freedom of Information and Protection of Privacy Act.* All comments will be maintained on file for use during the study and, with the exception of personal information, may be included in study documentation and become part of the public record.





B TNM VERIFICATION FILES



REPORT:			Results: Sound Levels - No Barrier Objects						
TNM VERSION			3.1.7970.37608		REPORT DATE:		18 September 2023		
CALCULATED WITH:			3.1.7970.37608		CALCULATION	I DATE:	2023-09-06 3:1	0:28 PM	
CASE:			Highway 401 Colborne to Brighton		ORGANIZATION:		WSP Canada Inc.		
UNITS:			Metric		ANALYSIS BY:		Zane Charran		
DEFAULT GROUND TYPE:		HardSoil			PROJECT/CONTRACT		HIGHWAY 401 PLANNING STUDY FROM COLBORNE TO BRIGHTON (GWP 4054-17-00) PRELIMINARY DESIGN AND ENVIRONMENTAL ASSESSMENT		
ATMOSPHERICS:			10°C, 70%	Average pavement type shall be used unless a state					
PAVEMENT TYPE(S) USED:			Average	highway agency substantiates the use of a different					
				type with approval FHWA.					
F	Receiver			Modeled Traffic Noise Levels					
		Nb.			LAeq	Increase over Existing			
Name	No.	R.R.	Existing		Absolute		Relative	Туре	
			LAeq	Calc.	Criterion	Calc.	Criterion	of	
			dBA	dBA	dBA	dBA	dBA	Impact	
Receiver-1	0	0		62.8	0.0			Sound Level	

REPORT:	INPUT TRAFFIC FOR TNM VEHICLES (INPUT TRAFFIC FOR TNM VEHICLES (LAeq)					
TNM VERSION:	3.1.7970.37608	REPORT DATE:	18 September 2023				
CALCULATED WITH:	3.1.7970.37608	CALCULATION DATE:	2023-09-06 3:10:28 PM				
CASE:	Highway 401 Colborne to Brighton	ORGANIZATION:	WSP Canada Inc.				
ANALYSIS BY:	Zane Charran	PROJECT/CONTRACT:	HIGHWAY 401 PLANNING STUDY FROM COLBORNE TO BRIGHTON (GWP 4054-17- 00) PRELIMINARY DESIGN AND ENVIRONMENTAL ASSESSMENT				

	Road Segment		Au	ıto	Mediun	n Truck	Heavy	Truck	В	us	Motor	cycle
Roadway	Start	Point	Volume	Speed	Volume	Speed	Volume	Speed	Volume	Speed	Volume	Speed
Name	Name	No.										
			[Veh/hr]	[km/h]	[Veh/hr]	[km/h]	[Veh/hr]	[km/h]	[Veh/hr]	[km/h]	[Veh/hr]	[km/h]
NB_WB_25-30 -1	Start WB_1 25- 30	2	663	100	14	100	84	100	0	0	0	0
	End WB_1 25-30	3	663	100	14	100	84	100	0	0	0	0
NB_WB_25-30 -2	End WB_2 25-30	0	663	100	14	100	84	100	0	0	0	0
	Start WB_2 25- 30	1	663	100	14	100	84	100	0	0	0	0
NB_EB_25-30- 1	End EB_1 25-30	4	677	100	18	100	59	100	0	0	0	0
	Start EB_1 25-30	5	677	100	18	100	59	100	0	0	0	0
NB_EB_25-30- 2	End EB_2 25-30	6	677	100	18	100	59	100	0	0	0	0
	Start EB_2 25-30	7	677	100	18	100	59	100	0	0	0	0



C CADNA/A SAMPLE CALCULATIONS

comparation	
Configuration	<u>ו</u>
Parameter	Value
General	
Max. Error (dB)	0
Max. Search Radius (#(Unit,LEN))	2000
Min. Dist Src to Rcvr	0
Partition	
Raster Factor	0.5
Max. Length of Section (#(Unit,LEN))	1000
Min. Length of Section (#(Unit,LEN))	1
Min. Length of Section (%)	0
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960
Reference Time Night (min)	480
Daytime Penalty (dB)	0
Recr. Time Penalty (dB)	6
Night-time Penalty (dB)	10
DTM	
Standard Height (m)	0
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	0
Search Radius Src	100
Search Radius Rcvr	100
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.1
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	1
Wind Speed for Dir. (#(Unit,SPEED))	3
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (???)	
Strictly acc. to AzB	

Configuration

Receivers

Name	Μ.	ID	Lev	el Lr	Limit.	Value		Land Use	Height	C	oordinates	
			Day	Night	Day	Night	Type	Auto Noise Type		Х	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)			(m)	(m)	(m)	(m)
B001		NSA01 01	24.2	00.0	65.0	(0.0)			1.50 r	267204 07	4070066 26	101 50
RUUT		NGA01_01	34.3	-00.0	05.0	0.0			1.50 1	207204.07	4070000.30	101.00
R002		NSA01_02	40.0	-79.4	65.0	0.0			1.50 r	267585.72	4878832.61	183.05
R003		NSA01_03	30.5	-80.1	65.0	0.0			1.50 r	267230.96	4879046.00	186.31
R004		NSA01_04	30.4	-80.2	65.0	0.0			1.50 r	267387.05	4879235.28	186.50
R005		NSA01 05	30.3	-80.2	65.0	0.0			1.50 r	267392.42	4879162.14	184.47
B006		NSA02_01	59.5	-72.3	65.0	0.0			1 50 r	268293.99	4878591 52	171 50
P007		NSA02_02	58.0	72.0	65.0	0.0			1.00 r	268378.01	4878564 74	170.58
1007		NGA02_02	30.9	=12.1	05.0	0.0			1.501	200370.01	4070304.74	170.30
RUU8		NSA02_03	60.7	-/1.4	65.0	0.0			1.50 r	268422.71	4878620.35	170.42
R009		NSA02_04	58.5	-72.9	65.0	0.0			1.50 r	268591.57	4878556.00	168.03
R010		NSA02_05	61.5	-70.8	65.0	0.0			1.50 r	269019.76	4878781.11	167.69
R011		NSA02_06	61.4	-70.9	65.0	0.0			1.50 r	269132.33	4878826.16	166.50
R012		NSA02_07	62.7	-70.0	65.0	0.0			1.50 r	269245 41	4878935 82	166 50
D012		NSA02_09	50 F	70.0	65.0	0.0			1.00 r	260505.42	4070000.02	166.50
RUIS		NSA02_00	59.5	-72.1	05.0	0.0			1.501	209505.45	4070934.44	100.50
R014		NSA02_09	59.0	-72.4	65.0	0.0			1.50 r	269571.31	4878953.61	166.50
R015		NSA02_10	58.3	-72.9	65.0	0.0			1.50 r	269625.14	4878960.67	166.50
R016		NSA02_11	57.6	-73.8	65.0	0.0			1.50 r	269669.07	4878979.68	166.50
R017		NSA02 12	57.3	-73.9	65.0	0.0			1.50 r	269715.68	4878985.98	167.98
R018		NSA02_13	59.2	-72.3	65.0	0.0			1.50 r	269765 78	4879006 71	170 10
B010		NSA02_14	50.L	70.7	65.0	0.0			1.00 1	260911.40	4970002.00	171 47
R019		NSA02_14	50.2	-12.1	05.0	0.0			1.50 1	209611.40	4079002.90	171.47
R020		NSA02_15	59.5	-72.1	65.0	0.0			1.50 r	269919.90	4879084.83	170.43
R021		NSA02_16	55.7	-75.7	65.0	0.0			1.50 r	269988.79	4879105.31	169.23
R022	L	NSA02_17	58.4	-72.8	65.0	0.0			1.50 r	268781.57	4878590.65	167.44
R023		NSA02_18	58.5	-72.8	65.0	0.0			1.50 r	268835.65	4878604.25	167.07
R024	1	NSA02 19	58.3	-72.9	65.0	0.0			1.50 r	268884 63	4878605.32	166.54
B025	1	NSA02_20	58 /	-72.0	65.0	0.0			1 50 -	260004.05	4878653 22	166 50
D020	+	NCA02_20	50.4	70.0	03.0	0.0	-		1.50	203004.93	4070500.23	100.00
RU20	-	INGAU2_21	56.9	-73.8	05.0	0.0			1.50 r	209049.67	48/8582.96	105.06
R027		NSA02_22	54.4	-75.2	65.0	0.0			1.50 r	269066.81	4878531.84	163.14
R028		NSA02_23	58.2	-73.1	65.0	0.0			1.50 r	269081.20	4878659.96	165.45
R029		NSA02 24	58.7	-72.8	65.0	0.0			1.50 r	269129.52	4878697.95	164.46
B030		NSA02_25	59.1	-72.8	65.0	0.0			1.50 r	269191 28	4878771 42	163 05
P031		NSA02_26	58.5	73.1	65.0	0.0			1.50 r	260322.02	4979790.06	161 50
D022		NGA02_20	50.5	72.0	05.0	0.0			1.50	209322.92	4070709.90	107.30
R032		INSAU2_27	50.0	-13.0	65.0	0.0			1.50 1	269730.05	4676906.05	107.10
R033		NSA02_28	56.5	-74.4	65.0	0.0			1.50 r	269786.08	4878919.49	169.03
R034		NSA02_29	55.5	-74.9	65.0	0.0			1.50 r	269865.28	4878886.42	169.51
R035		NSA02 30	56.8	-73.5	65.0	0.0			1.50 r	269864.21	4878948.17	171.50
R036		NSA02 31	53.9	-75.9	65.0	0.0			1.50 r	269961.11	4878950.30	167.38
R037		NSA02_32	54.4	-75.4	65.0	0.0			1 50 r	270213 97	4878963 32	166 50
R038		N6A02_02	50.0	74.0	65.0	0.0			1.00 -	270210.01	4070404 70	100.00
RUSO		NSAU2_33	50.0	-74.0	05.0	0.0			1.50 1	270144.60	4679131.70	100.99
R039		NSA02_34	56.5	-74.6	65.0	0.0			1.50 r	270440.39	4879188.64	166.50
R040		NSA02_35	56.3	-74.4	65.0	0.0			1.50 r	270511.84	4879211.47	166.50
R041		NSA02_36	53.8	-75.4	65.0	0.0			1.50 r	270600.20	4879244.87	162.23
R042		NSA02 37	53.9	-75.3	65.0	0.0			1.50 r	270757.64	4879313.96	162.11
R043		NSA03_01	63.9	-69.7	65.0	0.0			1.50 r	269670.50	4879573.78	190.11
P044		NSA03_02	57.0	73.0	65.0	0.0			1.50 r	260714.82	4870666.03	101 50
D045		NGA03_02	57.0	-73.9	05.0	0.0			1.50	209714.02	4079000.05	191.30
R045		NSA03_03	62.0	-/1.1	65.0	0.0			1.50 r	269794.44	4879700.95	189.18
R046		NSA03_04	58.6	-73.1	65.0	0.0			1.50 r	270015.18	4879939.58	191.50
R047		NSA03_05	51.5	-76.7	65.0	0.0			1.50 r	270048.70	4880013.33	191.50
R048		NSA03_06	52.7	-76.1	65.0	0.0			1.50 r	270091.61	4880029.42	191.50
R049		NSA03 07	52.4	-76.0	65.0	0.0			1.50 r	270145.25	4880088.42	191.43
R050		NSA03_08	58.5	-73.3	65.0	0.0			1.50 r	270256 74	4880111 45	194 21
R051		N6A02.00	50.7	72.0	65.0	0.0			1.00 1	270200.14	4000000 00	100.40
RUDI		NSA03_09	56.7	-73.0	05.0	0.0			1.50 1	270160.12	4000030.00	109.40
R052		NSA03_10	51.0	-76.9	65.0	0.0			1.50 r	270238.48	4880190.12	195.24
R053		NSA03_11	47.4	-78.5	65.0	0.0			1.50 r	270283.74	4880259.87	197.18
R054		NSA03_12	48.5	-78.2	65.0	0.0			1.50 r	270321.01	4880312.57	197.80
R055		NSA03 13	59.4	-72.2	65.0	0.0			1.50 r	270422.60	4880115.04	181.50
R056		NSA03 14	59.4	-72.2	65.0	0.0			1.50 r	270455.21	4880126.76	181.58
R057	1	NSA03_15	59 /	-72 1	65.0	0.0	1		1 50 r	270525 44	4880161 37	182 25
P058	+	NSA03_16	50.4	74.0	65.0	0.0			1 50	270574 70	1990165 10	181 50
D050	-		59.8	-/1.8	0.00	0.0			1.50	210311.16	4000105.10	101.00
KU59	1	INGAU3_17	60.1	-/1.7	65.0	0.0	-		1.50 r	270606.37	48801/3.09	181.50
R060		NSA03_18	60.6	-71.3	65.0	0.0			1.50 r	270654.89	4880174.12	180.44
R061		NSA03_19	60.8	-71.2	65.0	0.0			1.50 r	270700.04	4880187.63	180.08
R062		NSA03_20	61.2	-70.7	65.0	0.0			1.50 r	270755.82	4880195.24	178.78
R063	1	NSA03_21	617	-70.4	65.0	0.0	1		1 50 r	270830.93	4880217 84	178 14
R064	+	NSA03_22	62.2	_70 1	65.0	0.0	-		1 50 -	271009.40	4880209 95	177 /0
DOGE	1	NCA02 22	02.3	-70.1	05.0	0.0			1.001	271000.49	4000290.00	170.01
R005	-	INGAU3_23	62.4	-70.0	65.0	0.0			1.50 r	∠/1115.49	4880348.48	178.94
R066	1	NSA03_24	62.1	-70.2	65.0	0.0			1.50 r	271157.28	4880375.27	180.74
R067		NSA03_25	62.3	-70.1	65.0	0.0			1.50 r	271227.20	4880404.55	181.36
R068		NSA03_26	62.7	-69.8	65.0	0.0			1.50 r	271290.17	4880420.81	181.71
R069		NSA03 27	59.7	-72.6	65.0	0.0			1.50 r	271329.94	4880601.24	211.50
R070	1	NSA03_28	62.5	-70 0	65.0	0.0	1		1 50 r	270553 04	4880045 50	174 01
R071	+	NSA03_29	62.5	- 60 0	6E 0	0.0			1 50 -	270610 60	1880071 20	172 /6
D070	-		02.7	-09.8	05.0	0.0			1.00 Г	210010.08	4000071.38	173.40
KU/2	-	INSAU3_30	63.3	-69.4	65.0	0.0			1.50 r	∠70659.58	4880072.72	173.01
R073		NSA03_31	63.9	-68.9	65.0	0.0			1.50 r	270752.11	4880104.90	174.25
R074		NSA03_32	64.3	-68.5	65.0	0.0			1.50 r	270793.67	4880114.29	174.44
R075		NSA03 33	64.9	-68.1	65.0	0.0			1.50 r	270847.86	4880130.39	174.53
R076	1	NSA03 34	65.2	-68 0	65.0	0.0			1.50 r	270986 21	4880198 94	174 11
P077	+	NSA03 35	65.4	67.0	65.0	0.0	-		1 50 -	271044 07	1990002 07	174.02
D070	-		00.4	-07.9	00.0	0.0			1.00	211044.21	+000223.27	174.92
RU/8	-	INDAU3_30	04.6	-08.6	05.0	0.0			1.50 r	271098.88	4880279.89	176.50
R079		NSA03_37	67.1	-66.5	65.0	0.0			1.50 r	271177.90	4880258.30	176.50
R080	1	NSA03_38	65.5	-68.1	65.0	0.0			1.50 r	271222.12	4880314.72	176.50
R081		NSA03 39	64.9	-68.2	65.0	0.0			1.50 r	271298.75	4880360.26	178.24
R082	1	NSA03 40	65.7	-67.7	65.0	0.0			1.50 r	271367.48	4880378.10	178.60

Name	Μ.	ID	Lev	el Lr	Limit.	Value		Land	d Use	Height	t Coordinates		
			Day	Night	Day	Night	Туре	Auto	Noise Type		Х	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)				(m)	(m)	(m)	(m)
R083		NSA03_41	66.0	-67.7	65.0	0.0				1.50 r	271425.63	4880407.39	179.46
R084		NSA03 42	66.0	-67.4	65.0	0.0				1.50 r	271471.01	4880427.12	181.50
R085		NSA03 43	69.1	-64.9	65.0	0.0				1.50 r	271595.31	4880439.20	181.50
R086		NSA03 44	67.9	-66.1	65.0	0.0				1.50 r	271770.74	4880520.58	181.50
R087		NSA03 45	64.0	-69.2	65.0	0.0				1.50 r	271976 55	4880692 53	181 50
R088		NSA03_46	63.5	-69.5	65.0	0.0				1.00 r	272035.09	4880730.45	181.50
R089		NSA03 47	65.5	-67.9	65.0	0.0				1.00 r	272113 12	4880712.05	181.50
P000		NSA03_48	66.1	67.4	65.0	0.0				1.50 r	272113.12	4880732.52	181.50
P001		NSA03_40	65.6	67.8	65.0	0.0				1.50 r	272213.10	4880758 40	181.50
R091		NGA03_49	05.0	-07.0	05.0	0.0				1.50	272239.02	40007304.49	101.00
R092		NSA03_50	66.2	-67.3	65.0	0.0				1.50 г	272307.64	4880761.46	181.50
R093		NSA03_51	60.3	-/1.8	65.0	0.0				1.50 г	2/1964.79	4880803.54	181.50
R094		NSA03_52	55.5	-74.8	65.0	0.0				1.50 r	272405.72	4881096.25	184.51
R095		NSA03_53	57.1	-74.4	65.0	0.0				1.50 r	273057.05	4881110.55	196.50
R096		NSA03_54	57.2	-74.5	65.0	0.0				1.50 r	273096.45	4881246.85	196.50
R097		NSA04_01	55.2	-75.1	65.0	0.0				1.50 r	273308.65	4880503.09	176.98
R098		NSA04_02	54.9	-75.3	65.0	0.0				1.50 r	273324.62	4880478.60	177.14
R099		NSA04_03	54.3	-75.6	65.0	0.0				1.50 r	273342.19	4880456.77	177.29
R100		NSA04_04	53.9	-75.8	65.0	0.0				1.50 r	273357.63	4880439.73	177.28
R101		NSA04 05	53.7	-75.9	65.0	0.0				1.50 r	273367.75	4880424.82	177.50
R102		NSA04 06	53.3	-76.1	65.0	0.0				1.50 r	273378.93	4880415.24	177.42
R103		NSA04_07	53.0	-76.1	65.0	0.0				1.50 r	273385.32	4880403.53	177.68
R104	-	NSA04_08	52.3	-76.4	65.0	0.0				1.50 r	273304.39	4880356.14	181.50
R105	1	NSA04_09	53.5	-75.8	65.0	0.0				1.50	273284 15	4880411 51	181 50
R106	+	NSA04_10	55.0	-75 0	65.0	0.0	-	-		1 50 r	273265 52	4880400 00	179 71
R107	-	NSA04_11	5/ 9	-75.0	65.0	0.0				1 50 -	27300/ 95	4880462 81	181.94
P108	-		507	75.1	65.0	0.0				1.001	273050 00	4880440 40	101.04
R 100	-	NSAU4_12	53.7	-15.5	0.00	0.0		<u> </u>		1.50 r	213052.26	4000410.10	101.50
R 109	-	NOAU4_13	53.9	-75.5	05.0	0.0	<u> </u>			1.50 r	212981.44	4880447.90	181.50
K110	-	NSAU4_14	55.5	-74.7	65.0	0.0				1.50 r	2/2915.42	4880422.88	181.50
K111		NSA04_15	58.2	-73.0	65.0	0.0				1.50 r	273132.66	4880582.61	181.50
R112		NSA04_16	56.8	-74.0	65.0	0.0				1.50 r	273206.67	4880599.12	178.68
R113		NSA05_01	60.0	-72.8	65.0	0.0				1.50 r	273129.55	4880776.64	176.55
R114		NSA05_02	58.7	-72.6	65.0	0.0				1.50 r	273233.27	4880785.30	176.50
R115		NSA05_03	58.7	-72.6	65.0	0.0				1.50 r	273238.13	4880797.12	176.50
R116		NSA05 04	58.6	-72.8	65.0	0.0				1.50 r	273244.68	4880815.29	176.44
R117		NSA05 05	58.5	-72.9	65.0	0.0				1.50 r	273243.25	4880830.84	176.50
R118		NSA05_06	59.8	-72.5	65.0	0.0				1.50 r	273244.01	4880856.91	177.85
R119		NSA05_07	63.3	-69.7	65.0	0.0				1 50 r	273229.62	4880907.00	181 50
R120		NSA05_08	63.2	-60.0	65.0	0.0				1.00 r	273240.95	4880932.86	181 50
P121		NSA05_00	58.0	73.1	65.0	0.0				1.50 r	273270.37	4880880 50	177.57
R121		NSA05_09	50.9	72.0	65.0	0.0				1.50 r	273219.37	4000000.39	177.60
R122		NGA05_10	09.0	-73.0	05.0	0.0				1.50	273290.97	4000099.90	177.09
R123		NSA05_11	63.1	-70.1	65.0	0.0				1.50 г	273249.36	4880946.91	181.50
R124		NSA05_12	62.8	-70.3	65.0	0.0				1.50 r	273264.42	4880962.09	181.50
R125		NSA05_13	63.6	-69.6	65.0	0.0				1.50 r	273256.64	4880995.99	181.50
R126		NSA05_14	58.6	-73.1	65.0	0.0				1.50 r	273312.11	4880934.10	177.86
R127		NSA05_15	59.1	-72.7	65.0	0.0				1.50 r	273315.65	4880945.31	178.29
R128		NSA05_16	59.3	-72.6	65.0	0.0				1.50 r	273321.45	4880955.34	178.24
R129		NSA05_17	63.2	-70.2	65.0	0.0				1.50 r	273289.32	4881012.48	181.50
R130		NSA05_18	59.1	-72.6	65.0	0.0				1.50 r	273340.42	4880986.50	176.86
R131		NSA05_19	59.9	-72.1	65.0	0.0				1.50 r	273344.29	4881007.37	177.12
R132		NSA05_20	61.1	-71.4	65.0	0.0				1.50 r	273347.37	4881028.54	178.12
R133		NSA05 21	63.3	-70.1	65.0	0.0				1.50 r	273324.80	4881055.57	180.84
R134		NSA05 22	61.5	-71.1	65.0	0.0				1.50 r	273351.25	4881045.93	178.16
R135		NSA05_23	62.0	-70.8	65.0	0.0				1.50 r	273361.25	4881083.36	177.50
R136		NSA05_24	61.8	-70.8	65.0	0.0				1.50 r	273388.89	4881115.04	175.23
R137		NSA05_25	62.1	-70.6	65.0	0.0				1.50 r	273391 23	4881136.52	174 85
R138	1	NSA05_26	62.1	-70.5	65.0	0.0				1.50 r	273389.20	4881155.06	175.83
R139	1	NSA05_27	61.8	-70.8	65.0	0.0				1 50 r	273409.25	4881170 50	175 20
R140	1	NSA05_28	62.3	-70 /	65.0	0.0	-			1 50 r	273413 35	4881186 49	175.80
R141	-	NSA05_29	62.6	-70.2	65.0	0.0		-		1 50 r	273426 11	4881212 73	175 42
R142	-	NSA05_30	61 2	-70.0	65.0	0.0	-	-		1 50 r	273//1 0/	4881228 12	174 87
R1/3	-	NSA05 31	63.0	-70.9	65.0	0.0				1.50	273/50 20	1881222 04	17/ 16
D144	-		03.0	-10.3	00.0	0.0	-	-		1.50	213439.30	4001233.94	174.10
D145	-	NOAUD_32		-/1.0	0.00	0.0		<u> </u>		1.50 r	213409.86	4001200.76	174.85
K145	-	NOAU5_33	61.7	-70.9	65.0	0.0				1.50 r	213495.97	4881281.12	1/4.47
K146	-	NSA05_34	62.2	-70.7	65.0	0.0				1.50 r	273525.67	4881297.66	174.07
R147		NSA05_35	63.0	-70.2	65.0	0.0				1.50 r	273548.80	4881333.88	174.26
R148		NSA05_36	62.7	-70.4	65.0	0.0				1.50 r	273570.33	4881350.03	173.90
R149		NSA05_37	62.5	-70.5	65.0	0.0				1.50 r	273581.98	4881359.57	173.79
R150		NSA05_38	62.5	-70.5	65.0	0.0				1.50 r	273597.47	4881377.97	173.74
R151		NSA05_39	63.0	-70.0	65.0	0.0				1.50 r	273614.48	4881404.22	173.86
R152		NSA05_40	63.1	-69.8	65.0	0.0				1.50 r	273625.82	4881418.23	173.84
R153		NSA05_41	63.8	-69.1	65.0	0.0				1.50 r	273648.29	4881440.88	173.67
R154		NSA05_42	64.5	-68.6	65.0	0.0				1.50 r	273656.74	4881455.34	173.72
R155	1	NSA05 43	64.7	-68.5	65.0	0.0				1.50 r	273668.15	4881463.58	173.56
R156	1	NSA05 44	64.8	-68.8	65.0	0.0				1.50 r	273676.95	4881472.05	173.51
R157	1	NSA05 45	65.0	-68 7	65.0	0.0				1.50 r	273688 45	4881484 36	173 46
R158	+	NSA05 46	64.9	-68.8	65.0	0.0	-	-		1 50 r	273706.00	4881/85 59	173 70
R150	-	NSA05 47	62.2	-70.0	65.0	0.0				1.50	273720.90	1881/02 74	173.19
P160	-		03.3	-70.1	00.0	0.0	-	-		1.50	213139.00	4001493.74	172 72
R 100	-	NGA05_40	02.9	-70.3	05.0	0.0				1.50 1	213159.23	4001490.93	170.00
R 101	-	NOA0249	02.7	-70.4	05.0	0.0	<u> </u>	<u> </u>		1.50 r	213/14.99	4881488.14	173.90
K162	-	NSAU5_50	62.0	-70.9	65.0	0.0		L		1.50 r	2/3800.20	4881482.91	1/4.08
K163	_	NSA05_51	61.2	-71.2	65.0	0.0				1.50 r	273819.98	4881468.77	173.85
R164		NSA05_52	60.4	-71.8	65.0	0.0				1.50 r	273844.91	4881456.93	173.90
R165	L	NSA05_53	58.9	-73.0	65.0	0.0				1.50 r	273871.12	4881438.34	173.23
R166		NSA05_54	58.5	-73.3	65.0	0.0				1.50 r	273895.20	4881426.08	173.25

Name	Μ.	ID	Lev	el Lr	Limit.	Value		Land Use	Height	C	oordinates	
			Day	Night	Day	Night	Type	Auto Noise Type		Х	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)			(m)	(m)	(m)	(m)
D167		NSADE EE	67 0	72.6	65.0	0.0			1.50 r	272000 15	4991410 44	172.05
R107		INSAU5_55	57.6	-73.0	05.0	0.0			1.50 1	273909.15	4001410.44	173.05
R168		NSA05_56	56.7	-74.2	65.0	0.0			1.50 r	273950.99	4881372.41	172.84
R169		NSA05_57	55.9	-74.6	65.0	0.0			1.50 r	274016.08	4881329.72	173.88
R170		NSA05 58	56.1	-74.4	65.0	0.0			1.50 r	274032.13	4881306.06	175.10
R171		NS405 59	55.1	-75.0	65.0	0.0			1 50 r	27/062.00	4881273 51	176.03
P172			54.1	75.6	65.0	0.0			1.00 r	274002.00	4001270.01	176.00
RI72		INSAU5_00	54.1	-/5.0	05.0	0.0			1.50 1	274000.34	4001232.52	176.00
R173		NSA06_01	53.6	-76.2	65.0	0.0			1.50 r	272982.11	4881668.17	206.50
R174		NSA06_02	53.2	-76.0	65.0	0.0			1.50 r	273339.08	4882052.75	191.14
R175		NSA06 03	53.5	-76.2	65.0	0.0			1.50 r	273584.02	4882167.77	178.31
R176		NSA06 04	53.6	-75.9	65.0	0.0			1 50 r	273626.62	4882182.68	176 70
D177			55.0	75.4	00.0	0.0			1.50 1	273627.02	4002102.00	176.60
RITT		INSAU6_05	54.5	-/5.4	05.0	0.0			1.50 1	273007.09	4002100.31	1/0.00
R178		NSA06_06	55.0	-75.0	65.0	0.0			1.50 r	273734.18	4882200.78	176.50
R179		NSA06_07	57.5	-73.5	65.0	0.0			1.50 r	273879.01	4882151.79	176.50
R180		NSA06 08	54.8	-75.1	65.0	0.0			1.50 r	274067.51	4882322.19	172.40
R181		NSA06_09	55.1	-75.8	65.0	0.0			1 50 r	27/200 32	4882378 60	174.60
D100		NOA00_03	50.1	70.5	05.0	0.0			1.50 1	274200.32	4002370.00	477.04
R162		INSAU6_10	52.4	-/0.5	05.0	0.0			1.50 1	274305.00	4002403.00	177.01
R183		NSA06_11	55.6	-74.9	65.0	0.0			1.50 r	275323.81	4882748.05	191.50
R184		NSA06_12	54.5	-75.7	65.0	0.0			1.50 r	275613.82	4882874.31	194.09
R185		NSA07 01	64.3	-69.2	65.0	0.0			1.50 r	275114.24	4882027.67	191.54
R186		NSA08_01	62.5	-71 1	65.0	0.0			1 50 r	277135.61	4883032 97	226 50
D197			50.7	74.0	00.0	0.0			1.00 -	277100.01	4000002.01	220.00
R167		INSA06_02	50.7	-74.0	05.0	0.0			1.50 1	277204.60	4003309.04	220.50
K188		NSA08_03	57.1	-74.6	65.0	0.0			1.50 r	277292.29	4883398.36	223.86
R189		NSA08_04	57.4	-74.1	65.0	0.0			1.50 r	277331.85	4883406.40	219.27
R190		NSA08_05	55.0	-75.3	65.0	0.0			1.50 r	277408.96	4883528.44	213.84
R191		NSA08_06	57.3	-74.0	65.0	0.0	1		1.50 r	277568.35	4883485.81	210.53
R102	1	NSA08_07	57.0	_74 4	65.0	0.0			1 50 -	277654 12	1883/80.00	214 06
P102	-		42.0	707	65.0	0.0			1.50	270706 40	4000-00.30	217.00
R 193	<u> </u>		43.8	-/9./	0.00	0.0			1.50 r	210106.49	4003934./1	212.17
K194		NSA09_02	37.8	-80.0	65.0	0.0			1.50 r	278869.02	4883957.25	210.71
R195		NSA09_03	38.5	-80.0	65.0	0.0			1.50 r	278915.89	4883971.39	211.50
R196		NSA09 04	38.9	-79.8	65.0	0.0			1.50 r	278840.91	4883875.01	207.55
R197		NSA09_05	38.6	-79.8	65.0	0.0			1 50 r	278038 75	1883000 23	208.38
R100			40.0	70.0	05.0	0.0			1.50 1	270330.73	4000000.20	200.00
R198		INSAU9_06	42.2	-79.3	65.0	0.0			1.50 r	278994.63	4883922.85	211.50
R199		NSA09_07	42.7	-79.3	65.0	0.0			1.50 r	279065.38	4883936.44	209.31
R200		NSA09_08	43.3	-79.2	65.0	0.0			1.50 r	279130.22	4883955.11	207.18
R201		NSA09 09	44.0	-79.1	65.0	0.0			1.50 r	279203.46	4883968.95	205.67
R202		NSA10_01	48.5	-78.2	65.0	0.0			1.50 r	279797.78	4883894.37	196.72
P203		NSA10_11	50.6	77.9	65.0	0.0			1.50 r	2708/11 02	4883060.22	106.46
R203		NGA10_11	50.0	-77.0	05.0	0.0			1.50 1	219041.92	4003900.22	190.40
R204		NSA10_12	52.3	-/6.8	65.0	0.0			1.50 r	280402.76	4884027.49	193.41
R205		NSA10_13	58.7	-73.9	65.0	0.0			1.50 r	280500.30	4884200.89	203.24
R206		NSA10_14	61.6	-70.2	65.0	0.0			1.50 r	280566.04	4884225.65	206.50
R207		NSA11 01	66.8	-66.9	65.0	0.0			1.50 r	280577.59	4884464.11	196.50
R208		NSA11_02	61.2	-71.3	65.0	0.0			1 50 r	280547.03	4884577 46	201 50
R200		NSA11_02	62.0	70.1	65.0	0.0			1.00 r	200612.04	4004650.24	100.02
R209		NSATI_03	02.0	-70.1	05.0	0.0			1.501	200013.04	4004000.04	199.92
R210		NSA11_04	60.5	-72.0	65.0	0.0			1.50 r	280657.89	4884617.30	201.34
R211		NSA11_05	60.8	-71.6	65.0	0.0			1.50 r	280707.51	4884612.94	201.50
R212		NSA11 06	59.2	-72.8	65.0	0.0			1.50 r	280767.82	4884694.64	202.57
R213		NSA11_07	56.1	-74 6	65.0	0.0			1.50 r	280603 41	4884790 16	211 50
R214		NSA11_09	57.1	74.4	65.0	0.0			1.00 1	200674.42	1001000.10	216.01
R214		NGA11_08	57.1	-74.4	05.0	0.0			1.50 1	200074.42	4004013.31	210.01
R215		NSA11_09	54.6	-75.9	65.0	0.0			1.50 r	280685.41	4884981.62	233.08
R216		NSA11_10	53.6	-76.3	65.0	0.0			1.50 r	280733.53	4885016.63	236.50
R217		NSA11_11	43.5	-78.9	65.0	0.0			1.50 r	280986.45	4885091.27	226.50
R218		NSA11 12	49.0	-77.0	65.0	0.0			1.50 r	281097.18	4885118.32	231.50
R219		NSA11_13	49.4	-77.2	65.0	0.0			1 50 r	281167 34	4885131.00	231.00
R210		NSA11_14	54.2	75.5	65.0	0.0			1.00 r	201174.05	4000101.00	201.00
D004	<u> </u>		04.2	-10.5	03.0	0.0			1.00	2011/4.95	+000010.97	221.41
K221		NSA11_15	57.2	-73.9	65.0	0.0			1.50 r	281012.65	4884872.34	224.57
R222		NSA11_16	54.4	-75.5	65.0	0.0			1.50 r	280897.85	4884904.58	223.20
R223	1	NSA12_01	64.9	-67.1	65.0	0.0			1.50 r	281231.75	4884447.60	183.65
R224		NSA12 02	64 2	-67 8	65.0	0.0			1.50 r	281282.90	4884451 26	181.03
R225		NSA12_03	64.5	-67.6	65.0	0.0			1 50 r	281324 73	4884469 64	180 56
B226	-	NSA12_00	64.0	60.0	65.0	0.0			1.50	201206.07	1001107.04	170.00
D007	-		04.2	-00.0	0.00	0.0	-		1.50 1	201390.07	4004407.04	1/9.00
K227	<u> </u>	NSA12_05	64.9	-67.5	65.0	0.0			1.50 r	281449.77	4884506.22	1/9.79
R228		NSA12_06	66.1	-67.0	65.0	0.0			1.50 r	281502.37	4884524.72	179.46
R229		NSA12_07	66.8	-66.6	65.0	0.0			1.50 r	281552.29	4884546.74	179.02
R230		NSA12_08	66.5	-66 0	65.0	0.0			1 50 r	281586 20	4884555 18	178.06
R231	1	NSA12 09	65.0	_67 P	65.0	0.0	-		1 50 -	281667 /1	4884566 20	176 50
D2201	-		00.0	-07.0	03.0	0.0	-		1.001	201007.41	4004500.30	170.00
K232	-	NSA12_10	65.3	-67.7	65.0	0.0			1.50 r	281/20.24	4884583.26	1/6.50
R233		NSA12_11	65.5	-67.6	65.0	0.0			1.50 r	281759.80	4884605.56	176.50
R234	_	NSA12_12	64.5	-68.3	65.0	0.0			1.50 r	281810.12	4884606.49	176.50
R235		NSA12 13	64.0	-68.8	65.0	0.0			1.50 r	281916.37	4884644.59	176.50
R236		NSA12_14	63.8	-68 0	65.0	0.0			1.50 r	281952 54	4884658 00	176.50
R237		NSA12_15	62.0	-60.6	6E 0	0.0	-		1 50 -	282061 04	1884682.00	176 14
D220	-		02.9	-09.0	05.0	0.0			1.00 Г	202001.01	4004003.90	170.14
R230	I	NOA12_10	61.5	-70.8	65.0	0.0	L		1.50 r	282135.30	4884/21.57	1/3.32
R239		NSA12_17	59.9	-71.5	65.0	0.0			1.50 r	282175.14	4884731.36	171.50
R240		NSA12_18	58.7	-72.2	65.0	0.0			1.50 r	282270.85	4884769.73	168.86
R241		NSA12 19	56.2	-73.8	65.0	0.0			1.50 r	282354.23	4884791.67	165.19
R242		NSA12 20	70 0	-63.3	65.0	0.0	1		1 50 r	281723.26	4884669 00	177 04
R243	-	NSA12_21	60.0	-64 4	65.0	0.0	-		1.50	281760 /0	188/679 /0	176 50
D244	-	N6440.00	09.9	-04.1	00.0	0.0	-		1.50	201700.40	4004007 70	170.00
R244	-	NOA 12_22	09.1	-04.8	0.00	0.0	-		1.50 r	201820.91	4004097.72	1/0.50
R245		NSA12_23	68.4	-65.3	65.0	0.0			1.50 r	281854.55	4884704.16	176.50
R246		NSA12_24	68.4	-65.4	65.0	0.0			1.50 r	281892.11	4884721.19	177.12
R247		NSA12 25	67.3	-66.3	65.0	0.0			1.50 r	281958.71	4884737.03	177.33
R248		NSA12_26	66.4	-67 0	65.0	0.0			1 50 r	282023 58	4884753 93	176.96
R249	-	NSA12_27	6F 7	_67.0	6E 0	0.0	1		1 50 -	282000 54	1884770 25	176 54
D250	-		00.7	-07.0	05.0	0.0			1.00 1	202090.01	40047700 7-	170.04
11200	1	NOA12_20	00.7	-07.0	0.00	0.0	1		1.50 ľ	202124.50	+004/09.//	0.00

Name	Μ.	ID	Lev	el Lr	Limit.	Value		Land	d Use	Height	C	oordinates	
			Day	Night	Day	Night	Type	Auto	Noise Type		Х	Y	Z
			(dBA)		(dBA)	(dBA)				(m)	(m)	(m)	(m)
Doc 1		10110.00								(11)	(11)	(11)	(11)
R251		NSA12_29	65.4	-68.0	65.0	0.0				1.50 r	282211.77	4884822.01	175.61
R252		NSA12_30	65.1	-68.1	65.0	0.0				1.50 r	282233.37	4884830.16	175.84
B253		NSA12_31	64.6	-68 5	65.0	0.0				1 50 r	282287 39	4884843 33	175 51
R250		N6A12_01	04.0	67.0	65.0	0.0				1.00 -	202207.00	4004040.00	175.14
R254		NSA12_32	05.0	-67.8	65.0	0.0				1.50 r	282333.30	4884895.06	175.14
R255		NSA12_33	61.1	-70.6	65.0	0.0				1.50 r	282403.44	4884882.18	171.58
R256		NSA12_34	63.5	-69.2	65.0	0.0				1.50 r	281593.69	4884492.02	176.98
D257		NGA12_01	60.0	60.2	65.0	0.0				1.00 -	201000.00	4004500.70	176.50
R257		NSA12_35	62.7	-69.7	65.0	0.0				1.50 r	281700.63	4884508.79	176.50
R258		NSA12_36	62.1	-70.3	65.0	0.0				1.50 r	281576.68	4884429.50	176.50
R259		NSA12 37	61.0	-70.9	65.0	0.0				1.50 r	281726.15	4884456.90	176.50
P260		N6412 29	60.5	71.2	65.0	0.0				1 50 r	201620.01	1001206 22	176 50
R200		NSA12_36	00.5	-71.3	05.0	0.0				1.501	201020.91	4004390.32	170.50
R261		NSA12_39	56.8	-74.1	65.0	0.0				1.50 r	281752.31	4884363.50	173.50
R262		NSA12 40	51.1	-76.3	65.0	0.0				1.50 r	281737.20	4884280.87	163.32
B263		NSA12_41	61.1	-712	65.0	0.0				1 50 r	282607 24	4884920 22	176 50
R203			01.1	-11.2	05.0	0.0				1.50 1	202001.24	4004320.22	170.50
R264		NSA12_42	60.6	-71.5	65.0	0.0				1.50 r	282641.46	4884929.94	176.50
R265		NSA12_43	61.3	-71.1	65.0	0.0				1.50 r	282739.04	4884966.27	176.97
R266		NSA12 44	61.0	-71.3	65.0	0.0				1.50 r	282841 27	4885006 20	176 50
B267		NSA12_15	60.7	71.4	65.0	0.0				1.60 r	202011.21	1000000.20	176.50
R207		NSA12_45	00.7	-71.4	05.0	0.0				1.501	202003.32	4003014.91	170.50
R268		NSA12_46	61.1	-71.1	65.0	0.0				1.50 r	282991.04	4885083.99	176.16
R269		NSA12 47	57.3	-73.4	65.0	0.0				1.50 r	283023.22	4885090.03	173.01
B270		NSA12 /8	58.5	-72 5	65.0	0.0				1 50 r	283068.94	1885113 18	173.8/
1270		NGA12_40	30.5	=12.5	05.0	0.0				1.501	203000.94	4003143.40	173.04
R271		NSA12_49	59.5	-72.3	65.0	0.0				1.50 r	283330.67	4885198.15	171.50
R272		NSA12 50	59.2	-72.3	65.0	0.0				1.50 r	282686.55	4884861.18	176.50
R273		NSA12_51	59.2	-72 3	65.0	0.0	1			1 50 r	282766 30	4884885 66	176.50
P274	\vdash	NSA12_51	E0.4	70.0	00.0	0.0				4 50	202100.00	400404007	176 50
n2/4		NOA12_02	oy.4	-12.2	0.00	0.0				1.50 r	202802.58	4004912.27	06.011
R275	L	NSA12_53	58.7	-73.0	65.0	0.0				1.50 r	282851.54	4884935.69	174.47
R276		NSA12 54	55.4	-74.6	65.0	0.0				1.50 r	282887.74	4884946.34	172.59
R277		NSA12_55	5/ 0	_7/ 0	65.0	0.0	1			1 50	282038 83	488/055 02	169 57
D070			54.9	-14.9	03.0	0.0		-		1.001	202300.03	4004000.02	103.37
K2/8		NSA12_56	52.8	-75.5	65.0	0.0	L			1.50 r	283199.32	4884843.21	161.50
R279		NSA12_57	53.8	-75.3	65.0	0.0				1.50 r	283277.07	4884948.66	166.50
R280		NSA12 58	53.5	-75 3	65.0	0.0				1 50 r	283156 71	1881000 20	161.86
R200		NOA12_50	55.5	74.0	05.0	0.0				1.50 1	200100.71	4004330.20	101.00
R281		NSA12_59	55.9	-74.3	65.0	0.0				1.50 r	283248.31	4885023.21	168.28
R282		NSA12_60	56.3	-74.3	65.0	0.0				1.50 r	283327.22	4885014.80	171.50
R283		NSA12_61	56 7	-74 0	65.0	0.0				1.50 r	283363 16	4885063.00	171 50
R200		N6A12_01	55.0	74.7	65.0	0.0				1.00 -	200000.10	4000000.00	171.00
R204		NSA12_02	55.3	-14.1	05.0	0.0				1.50 1	203501.04	40000004.90	171.50
R285		NSA12_63	55.1	-74.8	65.0	0.0				1.50 r	283610.49	4885124.92	171.50
R286		NSA12 64	55.0	-74.9	65.0	0.0				1.50 r	283657.94	4885150.86	171.50
B297		NSA12 65	54.0	75.4	65.0	0.0				1.50 r	202700.00	1005161.60	171 50
R207		INSA12_05	54.Z	-75.4	05.0	0.0				1.50 1	263706.99	4005101.00	171.50
R288		NSA12_66	53.4	-75.9	65.0	0.0				1.50 r	283763.11	4885160.84	171.50
R289		NSA12 67	53.4	-76.0	65.0	0.0				1.50 r	283823.15	4885186.21	171.50
B290		NSA13_01	51.8	-77.0	65.0	0.0				1 50 r	285208.46	1886130 50	176 50
1(290		NSA15_01	51.0	-77.0	05.0	0.0				1.501	203200.40	4000439.39	170.30
R291		NSA13_02	50.5	-77.5	65.0	0.0				1.50 r	285287.64	4886419.46	176.50
R292		NSA13 03	51.4	-77.3	65.0	0.0				1.50 r	285242.14	4886367.95	176.50
R293		NSA13_04	51.0	-77 5	65.0	0.0				1 50 r	285262.01	4886325.26	172 92
R200			54.4	77.5	00.0	0.0				1.00 1	200202.01	4000020.20	474.50
R294		NSA13_05	51.1	-//.5	65.0	0.0				1.50 r	285258.49	4886296.36	171.50
R295		NSA13_06	50.6	-77.6	65.0	0.0				1.50 r	285273.93	4886255.43	169.02
R296		NSA14_01	63.3	-70 1	65.0	0.0				1.50 r	284791 80	4886759.08	188 51
D207			60.4	70.6	65.0	0.0				1.00 -	201001.00	4000700.00	100.01
R297		NSA 14_02	60. I	-72.0	05.0	0.0				1.50 1	204031.37	4000/00.33	100.43
R298		NSA14_03	57.7	-74.5	65.0	0.0				1.50 r	284926.64	4886828.07	189.02
R299		NSA14 04	56.2	-75.3	65.0	0.0				1.50 r	284966.53	4886859.91	189.67
B300		 NSA14_05	54.9	-76.1	65.0	0.0				1 50 r	285023 14	4886872 59	188 63
D			50.0	70.1	00.0	0.0				1.001	200020.14	4000072.00	100.00
R301		NSA14_06	53.8	-76.5	65.0	0.0				1.50 r	285061.16	4886852.73	186.50
R302		NSA14_07	52.2	-77.4	65.0	0.0				1.50 r	285172.38	4886917.24	186.50
R303		NSA14 08	39.1	-79.9	65.0	0.0				1.50 r	285131 15	4887128 78	208.11
B204		NSA14_00	47.1	70.0	65.0	0.0				1.60 r	200101.10	4997026 40	216 50
K304		NSA14_09	47.1	-10.3	05.0	0.0				1.00 1	204904.09	4007020.49	210.00
NSA01_Receptor_01		RU1: NSA01_01, NSA01_02, NSA01_03	40.0	-79.4	65.0	0.0				1.50 r	267585.74	4878832.67	183.05
NSA01 Receptor 02		R02: NSA01_04, NSA01_05	30.5	-80.1	65.0	0.0				1.50 r	267392.42	4879163.48	184.53
NSA02 Recentor 03		R03 NSA02 01 NSA02 02 NSA02 03	58 0	-727	65.0	0.0				1 50 r	268378 23	4878564 85	170 58
		P04: NSA02 04	50.0 E0 0	700	65.0	0.0	+			1 50 -	260500.23	1970556 00	169.05
NOAU2_Receptor_04		1104. 110AU2_04	0.00	-12.9	05.0	0.0		-		1.50 1	200390.97	+0/0000.00	100.05
NSA02_Receptor_05		RU5: NSAU2_05, NSA02_06, NSA02_07	61.4	70.9	65.0	0.0				1.50 r	269132.05	4878826.10	166.50
NSA02 Receptor 06		R06: NSA02_08, NSA02 09, NSA02 10	59.0	-72.4	65.0	0.0				1.50 r	269572.72	4878953.83	166.50
NSA02 Recentor 07		R07 NSA02 11 NSA02 12 NSA02 13	57.3	-73 0	65.0	0.0	1			1 50 r	269716.66	4878987 00	168.03
		P00: NEA02 14 NEA02 45 NEA02 10	51.5 E0 5	70.0	00.0	0.0				4 50	260040 47	4970004.04	170 44
INGAUZ_Receptor_08		NUO. NOAUZ_14, NOAUZ_15, NOAUZ_16	59.5	-72.1	0.00	0.0				1.50 1	209919.17	40/9084.01	170.44
NSA02_Receptor_09		R09: NSA02_17 - NSA02_26	56.2	-74.2	65.0	0.0				1.50 r	269004.35	4878652.60	159.14
NSA02 Receptor 10		R10: NSA02 27 - NSA02 32	56.8	-73.5	65.0	0.0				1.50 r	269863.15	4878948.17	171.48
NSA02 Receptor 11		R11. NSA02 33 NSA02 34 NSA02 25	56 F	-74 5	65.0	0.0	1			1 50 -	270/20 /5	1870190 62	166 50
	-	111. NOAUZ_00, NOAUZ_04, NOAUZ_05	50.5	-14.0	03.0	0.0		<u> </u>		1.50 [210439.45	+019109.03	100.00
NSA02_Receptor_12		R12: NSA02_36, NSA02_37	54.0	-75.4	65.0	0.0	L			1.50 r	270599.70	4879248.16	162.41
NSA03 Receptor 13		R13: NSA03 01, NSA03 02, NSA03 03	56.8	-74.0	65.0	0.0				1.50 r	269713.86	4879666.06	191.50
NSA03 Recentor 14		R14 NSA03 04 NSA03 05 NSA03 06	51 4	-76 7	65.0	0.0	1			1 50 -	270047 64	4880014 62	191 50
		D45 NOA00 07 NOA00 00 NOA03 00	51.4	70.7	00.0	0.0	-	-		1.001	270057.04	4000414.02	404.00
NSAU3_Receptor_15		K15: NSA03_07, NSA03_08, NSA03_09	58.5	-73.3	65.0	0.0	L			1.50 r	270255.58	4880111.21	194.26
NSA03_Receptor_16		R16: NSA03_10, NSA03_11, NSA03_12	47.2	-78.5	65.0	0.0				1.50 r	270282.41	4880258.78	197.12
NSA03 Recentor 17		R17: NSA03 13 NSA03 14 NSA03 15	59 5	-72 2	65.0	0.0	1			1 50 r	270455.83	4880126 11	181 41
	\vdash	P10: NEA02 16 NEA02 47 NOA05 10	00.0	74-	00.0	0.0				4 50	270600.00	4000470.00	101.71
NOAUS_Receptor_18	<u> </u>	T 10. NOAUS_10, NOAUS_17, NOAUS_18	oU.1	-/1./	0.00	0.0	-	<u> </u>		1.50 r	∠10006.80	4000173.09	101.50
NSA03_Receptor_19	L	R19: NSA03_19, NSA03_20, NSA03_21	61.2	70.7	65.0	0.0				1.50 r	270755.41	4880195.44	178.81
NSA03 Receptor 20		R20; NSA03 22, NSA03 23, NSA03 24	62.4	-70.0	65.0	0.0				1,50 r	271113.82	4880349.41	178.98
NSA03 Pecenter 24		R21: NSA03 25 NSA03 26	62.7	_60.0	6E 0	0.0	-			1 50 -	271297 05	1880420 72	181 70
INSAUS_Receptor_21		RZ1. NOAUS_20, NOAUS_20	02.7	-09.8	0.00	0.0				1.50 1	211281.85	4000420.73	101./3
NSA03_Receptor_22		R22: NSA03_27	59.7	-72.6	65.0	0.0				1.50 r	271330.78	4880600.50	211.50
NSA03 Receptor 23		R23: NSA03_28, NSA03_29, NSA03_30	62.7	-69.8	65.0	0.0				1.50 r	270619.75	4880071.92	173.47
NSA03 Recentor 24		R24 NSA03 31 NSA03 32 NSA03 33	64.3	-68 5	65.0	0.0				1 50 r	27070/ 16	4880114 86	174 46
	-	DE NOAD 24 NOAD 25 NOAD 23	04.3	-00.0	05.0	0.0		-		1.001	210134.10	40000000000	474.00
INSAU3_Receptor_25		RZD: NOAU3_34, NOAU3_35, NOAU3_36	05.4	-67.9	65.0	0.0				1.50 r	211044.82	4880226.15	1/4.96
NSA03_Receptor_26	L	R26: NSA03_37, NSA03_38, NSA03 39	65.5	-68.1	65.0	0.0				1.50 r	271221.73	4880314.41	176.50
NSA03 Recentor 27		R27: NSA03 40, NSA03 41 NSA03 42	66.0	-67 7	65.0	0.0				1.50 r	271426 25	4880407 38	179.46
	\vdash	P20: NEA02 42 NEA02 44	67.0	60.4	65.0	0.0				1 50 -	071774 40	4000500.00	101 50
NOAUS_Receptor_28		R20. NOAU3_43, NOAU3_44	8.10	-00.1	0.00	0.0				1.50 r	2/1//1.42	4000520.80	101.50
NSA03_Receptor_29		R29: NSA03_45, NSA03_46, NSA03_47	63.5	69.5	65.0	0.0				1.50 r	272035.40	4880729.39	181.50
NSA03 Receptor 30		R30; NSA03 48, NSA03 49, NSA03 50	65.5	-67.9	65.0	0.0				1,50 r	272259.44	4880759.57	181.50
	1					5.5	1						

Dury Nature Nature <th>Name</th> <th>Μ.</th> <th>ID</th> <th>Lev</th> <th>el Lr</th> <th>Limit.</th> <th>Value</th> <th></th> <th>Lanc</th> <th>l Use</th> <th>Height</th> <th>C</th> <th>oordinates</th> <th></th>	Name	Μ.	ID	Lev	el Lr	Limit.	Value		Lanc	l Use	Height	C	oordinates	
Image: Biology and Strain St				Day	Night	Day	Night	Type	Auto	Noise Type		Х	Y	Z
NADB, Receptor, 21 B315, BA303, 51 D03, 27,16 C65, 74,6 D01 11 Solr 27784-71 488005.32 151 Sol NSADB, Receptor, 23 B33, INAOB, 53, NSADB, 54, 157,5 743,6 650,0 0.0 1.50r 27734051.4 488111042.1 165,0 773306.6 488111042.1 165,0 773306.6 4880052.82 176,0 NSADB, Receptor, 23 R33, INAOB, 50, INAOB, 07, NAAD, 07, NAAD, 06 630 400 1.50r 273306.6 4880058.62 178,0 NSADB, Receptor, 31 R38, INAOL, 01, NAAD, 07, N				(dBA)	(dBA)	(dBA)	(dBA)			,,	(m)	(m)	(m)	(m)
NADD Decemptor 20 Rod All Biol Decemptor Display Display <thdisplay< th=""> Display Display</thdisplay<>	NSA02 Becenter 21		D21. NOA02 51	60.2	71 0	65.0	(0.0)				1.50 r	271064 70	4000002 22	101 50
Nauda, Padaguler, 33 (NGA03_Receptor_31		NOA00_51	00.5	-71.0	05.0	0.0				1.50	271904.79	4000003.32	404.07
NSAD2, Receptor, 33 PC33 PC33 </td <td>NSAU3_Receptor_32</td> <td></td> <td>R32: NSA03_52</td> <td>55.5</td> <td>-74.8</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>272403.12</td> <td>4881095.33</td> <td>184.37</td>	NSAU3_Receptor_32		R32: NSA03_52	55.5	-74.8	65.0	0.0				1.50 r	272403.12	4881095.33	184.37
NSAD4 Receptor, 24 R8A RSAD4, Receptor, 25 R85 RSAD4, Receptor, 26 RSAD5, Receptor, 26 RSAD6, Receptor, 26 RSAD6, Receptor, 27 RSAD6, Receptor, 26 RSAD6, Receptor, 27 RSAD6, Receptor, 24 RSAD6, Receptor, 27 RSAD6, Receptor, 27 RSAD6, Receptor, 27 RSAD6, Receptor, 27 RSAD6, Receptor, 24 RSAD6, RECE, 24 RSAD6, RECE, 24 RSAD6, RECE, 24	NSA03_Receptor_33		R33: NSA03_53, NSA09_54	57.5	-74.3	65.0	0.0				1.50 r	273057.15	4881110.42	196.50
NSAD4 Receptor, 35 R35 NSAD4, 11 NSAD4, 16 69.0 74.0 65.0 0.0 1.50.0 T22306.57 H8808095.4 178.00 NSAD6, Receptor, 37 R37. NSAD6, 10.8045, 00.1 NSAD5, 12.2 69.0 72.4 65.0 0.0 1.50.0 727324.42 48808065.31 178.30 NSAD6, Receptor, 38 R38. NSAD5, 11.NSAD5, 12.NSAD5, 12. 69.1 70.1 65.0 0.0 1.50.0 727384.62 4880170.60 117.40 15.0 1.50.0 727384.62 4881170.60 117.40 15.0 1.50.0 727384.62 4881170.60 117.40 15.0 1.50.0 727386.82 4881170.61 17.40 15.0 1.50.0 727386.82 4881170.61 17.40 18.0 1.50.0 1.50.0 727386.82 4881170.70 17.40 15.0 1.50.0 727386.82 4881470.71 17.40 15.0 1.50.0 727366.82 1.481.50.55 17.40 15.0 1.50.0 727366.82 1.481.50.55 17.74 17.60 0.0 1.50.0	NSA04_Receptor_34		R34: NSA04_01 - NSA04_10	55.1	-75.2	65.0	0.0				1.50 r	273308.96	4880502.82	176.97
NSAD5 Receptor. 30 R38 NSAD6 Greeptor. 31 R37. NSAD5 Greeptor. 32 R37. NSAD5 Greeptor. 32 R38. NSAD5 (p. 10, 16, 18 20, 21, 22 59.9 72.4 65.0 0.0 15.00 272340.58 A88000.67 161.10 NSAD5 (Receptor. 38) R38. NSAD5 (p. 10, 16, 18 20, 21, 22 59.9 72.1 65.0 0.0 15.00 272340.57 4881007.01 177.1 187.10 177.10 15.00 273240.77 4881007.01 177.1 177.10 15.00 273240.77 4881007.01 177.17 177.17 177.10 15.00 273240.77 488107.04 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 177.17 178.16 1887.17 177.17 178.16 1887.17 177.17 178.16 1887.17 177.17 178.16 1887.17 177.17 178.16 1887.17 177.17 178.16 1887.17 177.17 178.16	NSA04_Receptor_35		R35: NSA04_11 - NSA04_16	56.9	-74.0	65.0	0.0				1.50 r	273206.57	4880599.54	178.69
NAD5 Receptor 37 R37 NAD6 92 724 85.0 0.0 15.00 2724429 4890866.31 177.83 NSAD5 Receptor.38 R38 NAD65 11. NSAD5 21.2 59.9 72.1 65.0 0.0 15.00 273244.52 4890862.221 161.50 NSAD5 Receptor.41 R41 NSAD5 21. RSAD5	NSA05 Receptor 36		R36: NSA05 01, NSA05 07, NSA05 08	63.2	-69.7	65.0	0.0				1.50 r	273230.08	4880906.87	181.50
NRAD5 Receptor. 39 F83 NRAD5 00 150 27344.57 4841027.10 177.10 NRAD5 Receptor. 40 R44 NRAD5.11 NRAD5.27 67.3 67.0 65.0 0.0 1507 27344.67 4841055.66 1100 27344.67 4841055.66 1100 27344.67 4841055.66 1100 27344.67 4841055.66 1100 27344.67 4841055.66 1100 27344.67 484105.76 117.17 117.17 1100 117.17 1100 117.17 117.10 117.10 117.10	NSA05 Receptor 37		R37 NSA05 02 - NSA05 06	59.9	-724	65.0	0.0				1.50 r	273244 29	4880856 83	177 83
NABAS Receptor. 39 R39 NSAD5 11 NSAD5 Receptor. 41 R40 NSAD5 Receptor. 41 R41 NSAD5 Receptor. 41 R44 NSAD5 Receptor. 41 R44 NSAD5 Receptor. 41 R44 NSAD5 Receptor. 41 R44 NSAD5 NSAD5 Receptor. 41 R44 R44 NSAD5 NSAD5 Receptor. 41 R44 R44 NSAD5 Receptor. 41 R44 R44 NSAD5 Receptor. 41 R44 R44 RA4 RSAD5 Receptor. 41 R44 RA4 RSAD5 RSAD5 RSAD5 RSAD5 RSAD5	NSA05 Receptor 38		R38: NSA05_09_10_16_18_20_21_22	50.0	-72.1	65.0	0.0				1.50 r	273343 57	4881007.10	177.16
 Nanus Proceptor. 39 Nanus Procestor 10, 100, 127, 100, 127, 100, 127, 100, 100, 100, 100, 100, 100, 100, 10	NSA05 Receptor_30		R30: NGA05_03, 10, 10, 10 20, 21, 22	62.0	70.2	65.0	0.0				1.50 r	272264 62	4001007.10	101 50
NSAUD Trebergior 400 FAUD	NOA05_Receptor_39		R39. NOA05_11, NOA05_12, NOA05_13	02.0	-70.3	05.0	0.0				1.50 1	273204.02	4000902.22	101.00
NSAUD, Freezpior. 41 NAT: NSAUD. 24, NSAUD. 24, NSAUD. 25, 61.7, 7-09 65.0 0.0 1.50 r 273868.52 4881114.2 175.30 NSADS, Freezpior. 42 RA2: NSAUD. 22, NSAUD. 23, NSAUD. 33, NSAUD. 33, 61.3, 7-00 65.0 0.0 1.50 r 273468.20 4881227.75 174.86 NSADS, Freezpior. 43 RA4: NSAUD. 23, NSAUD. 33, NSAUD. 33, NSAUD. 33, NSAUD. 33, 7 62.7, 7-04 65.0 0.0 1.50 r 273671.65 4881300.16 173.90 NSADS, Freezpior. 46 RA4: NSAUD. 24, NSAUD. 24, NSAUD. 34,	NSA05_Receptor_40		R40: NSA05_17, NSA05_21	63.3	-70.1	65.0	0.0				1.50 r	273324.77	4881055.56	180.85
NSAD5, Receptor, 42 R42: NSA05, 29, NSA05, 20, NSA05, 31 61.8 -707 65.0 0.0 1.50 r 27344.02 (248277) 174.81 NSAD5, Receptor, 44 R44: NSA05, 29, NSA05, 30, NSA05, 34 61.9 -70.8 65.0 0.0 1.50 r 27349.02 (248370.61 (2480.61 (2490	NSA05_Receptor_41		R41: NSA05_23, NSA05_24, NSA05_25	61.7	-70.9	65.0	0.0				1.50 r	273388.52	4881114.72	175.30
NSAD5 Receptor_48 R43: NSAD5_29, NSAD5_30, NSAD5_48 III IIII IIII IIII IIII IIII IIII IIIII IIIII IIIIII IIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	NSA05_Receptor_42		R42: NSA05_26, NSA05_27, NSA05_28	61.8	-70.7	65.0	0.0				1.50 r	273408.98	4881170.40	175.28
NSA05 Receptor 44 [R44: NSA05 32, NSA05 34, NSA05 34 61.9 -70.8 65.0 0.0 15.01 273496.22 488130.16 173.90 NSA05 Receptor 46 [R46: NSA05 35, NSA05 32, NSA05 40 62.9 -70.0 65.0 0.0 15.01 273510.45 488130.51 173.72 NSA05 Receptor 46 [R46: NSA05 41, NSA05 42, NSA05, 46 65.0 65.0 0.0 15.01 273688.62 4881404.53 173.85 NSA05 Receptor 48 [R48: NSA05 42, NSA05, 46 65.0 65.0 0.0 15.01 27378.86 4881497.19 173.45 NSA05 Receptor 50 [R60: NSA05, 58 - NSA06, 60 55.1 -75.0 65.0 0.0 15.01 27498.22 488147.93 173.20 77.11 77	NSA05_Receptor_43		R43: NSA05_29, NSA05_30, NSA05_31	61.3	-70.9	65.0	0.0				1.50 r	273442.02	4881227.75	174.86
NSA05 Receptor 45 FA45: NSA05 38, NSA05 39, NSA05, 02 627 -70.4 65.0 0.0 1.50/ 27370.54 4881403.31 173.86 NSA05 Receptor 47 FA47: NSA05, 48, NSA05, 43, NSA05, 40 65.0 9.70.0 65.0 0.0 1.50/ 273856.96 4881405.53 173.26 NSA05 Receptor 47 FA47: NSA05, 44, NSA05, 45, NSA05, 46, SO 65.0 6.0 1.50/ 273858.69 4881407.19 173.75 NSA05 Receptor, 50 R50: NSA05, 50 - NSA05, 50 - NSA05, 50 65.0 0.0 1.50/ 27388.60 4881437.83 173.20 NSA05 Receptor, 51 R51: NSA05, 58 - NSA05, 50 65.1 -76.1 65.0 0.0 1.50/ 27381.68 4881437.83 173.20 NSA06 Receptor, 51 R51: NSA05, 58 - NSA06, 50 55.1 -76.1 65.0 0.0 1.50/ 27333.68 4882193.76/ 178.20 NSA06 Receptor, 51 R51 R54 R56 0.0 1.50/ 27333.68 4882193.76/ 178.20 NSA05 R57.3733.68 4882193.76/ 178.20 NSA06 Receptor, 57 R57.85	NSA05 Receptor 44		R44: NSA05 32, NSA05 33, NSA05 34	61.9	-70.8	65.0	0.0				1.50 r	273496.22	4881281.29	174.47
NAD5 Receptor 46 NAD5 Sub	NSA05 Receptor 45		R45: NSA05_35, NSA05_36, NSA05_37	62.7	-70.4	65.0	0.0				1.50 r	273570.54	4881350.16	173.90
 NABAG Receptor 47 H47: INSAGE 41, INSAGE 42, INSAGE 43, GASG 44 GAS Greeptor 48 R48: INSAGE 41, INSAGE 44, INSAGE 46, INSAGE 46 GS GAS GREEPTOR 50 R48: INSAGE 47, INSAGE 46, INSAGE 46, INSAGE 46 GS GAS GREEPTOR 50 R49: INSAGE 47, INSAGE 56, INSAGE 57 GS GAS GREEPTOR 50 R50: INSAGE 56, INSAGE 50 INSAGE Receptor 50 R50: INSAGE 56, INSAGE 50 INSAGE Receptor 51 R51: INSAGE 56, INSAGE 50 INSAGE Receptor 52 R52: INSAGE 01 R54: INSAGE 02, INSAGE 50 INSAGE Receptor 52 R54: INSAGE 02, INSAGE 50 INSAGE Receptor 54 R54: INSAGE 02, INSAGE 50 INSAGE Receptor 54 R54: INSAGE 02, INSAGE 03, INSAGE 04 INSAGE Receptor 54 R54: INSAGE 02, INSAGE 03, INSAGE 04 INSAGE Receptor 54 R54: INSAGE 04, INSAGE 05, INSAGE 07 INSAGE Receptor 56 R55: INSAGE 04, INSAGE 05, INSAGE 07 INSAGE Receptor 56 R55: INSAGE 04, INSAGE 05, INSAGE 07 INSAGE Receptor 56 R55: INSAGE 01 INSAGE Receptor 57 R55: INSAGE 01 R54: INSAGE 04, INSAGE 05, INSAGE 07 INSAGE Receptor 58 R55: INSAGE 01 C51: 1-71: 2 C50: 0.0 I.50: 1-2773143 R58: INSAGE 01 C51: 1-71: 2 C50: 0.0 I.50: 1-277327 R58: INSAGE 01 C51: 1-72: 0 C50: 0.0 I.50: 1-277327 R58: INSAGE 01 C51: 1-71: 2 C50: 0.0 I.50: 1-277327 R58: INSAGE 01 C51: 1-71: 2 C50: 0.0 I.50: 1-277327 R58: INSAGE 01 R51: 1-71: 2 C50: 0.0 I.50: 1-277327<	NSA05 Receptor 16		R46: NSA05 38 NSA05 39 NSA05 40	62.0	-70.0	65.0	0.0				1.50 r	27361/ 59	1881/0/ 38	173.86
 Nakud Robephal T, Kay Lakada S, Nakad S, Nakad S, Nakad S, Oraj Calob D, Su C. S. S. C. S. C. S. C. S. S. C. S. C. S. S.	NSA05 Receptor_40		R40: NGA05_50, NGA05_53, NGA05_40	64.5	60.6	65.0	0.0				1.50 r	272656.09	4001404.50	172.72
NaND, Receptor 48 (1997) 48 (1997) 48 (1997) 49 (1997) 4	NOA05_Receptor_47		R47. NOA05_41, NOA05_42, NOA05_43	04.5	-00.0	05.0	0.0				1.50	273030.98	4001403.03	173.72
NSAU5_Receptor 49 (H49: NSAU5_44, NSAU5_49 (E2) -70.3 (E5.0 0.0) 1.50 (273/58.89 489149/19 173.75) NSA05_Receptor 51 (R5: NSA05_50 - NSA05_50 - SKA05_50 (51) -75.0 (E5.0 0.0) 1.50 (1) 274003.27 (489127.30) 176.04 NSA06_Receptor 52 (R5: NSA06_02, NSA06_03 (S5.1 -76.1 (E5.0 0.0) 1.50 (1) 27298168 48916976 178.26 NSA06_Receptor 54 (R5: NSA06_06, NSA06_07 (55.1 -74.9 (E5.0 0.0) 1.50 (1) 27298168 4891495.10 (172.26) NSA06_Receptor 55 (R5: NSA06_06, NSA06_07 (55.1 -74.9 (E5.0 0.0) 1.50 (1) 273336 (20.28) 4892147.77 (191.50) NSA06_Receptor 55 (R5: NSA06_06, NSA06_07 (55.1 -74.9 (E5.0 0.0) 1.50 (1) 273336 (20.28) 4892147.77 (191.50) NSA06_Receptor 56 (R5: NSA06_01, NSA06_10 (55.4 -75.6 (E5.0 0.0) 1.50 (1) 2773316 (1482203 1191.54) NSA07_Receptor 56 (R5: NSA07_01 (20.2 (20	NSAU5_Receptor_46		R46: INSAU5_44, INSAU5_45, INSAU5_46	05.0	-00.7	65.0	0.0				1.50 1	273000.52	4001404.11	173.44
NSA05 Receiptor. 50 R50: NSA06_50 NSA05 Res NSA05 Res NSA05 Res NSA05 Res NSA05 Res NSA06 Res NSA09 Res NS	NSA05_Receptor_49		R49: NSA05_47, NSA05_48, NSA05_49	62.9	-70.3	65.0	0.0				1.50 r	273758.89	4881497.19	173.75
NSA05, Receptor, 51 RS1: NSA06_50 65.1 -75.0 65.0 0.0 1.501 274063.27 4881273.01 176.04 NSA06, Receptor, 52 RS2: NSA06_02, NSA06_04 65.1 -76.3 65.0 0.0 1.501 27298168 488167.61 175.26 NSA06, Receptor, 54 RS4: NSA06_08, NSA06_07 55.1 -74.9 65.0 0.0 1.501 274203.23 4882469.76 175.26 NSA07, Receptor, 56 RS6: NSA06_01, NSA06_10 55.4 -75.6 65.0 0.0 1.501 274293.26 4882376.00 174.71 NSA07, Receptor, 57 RS7: NSA07_01 642 -69.2 65.0 0.0 1.501 27714.61 4882032.42 191.54 NSA08, Receptor, 58 RS8: NSA08_01 SNA08_04 67.2 7.44 65.0 0.0 1.501 27793.55 4883893.41 22.50 NSA08 Reseptor, 61 R61: NSA09_01, NSA09_02 37.5 -60.0 0.0 1.501 27792.56 4883893.41 22.30 NSA09 Reseptor, 61 R61: NSA09_01, NSA09_02 37.5 -60.0 0.0 1.501 27792.56 4883269.27 </td <td>NSA05_Receptor_50</td> <td></td> <td>R50: NSA05_50 - NSA05_57</td> <td>58.9</td> <td>-73.0</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>273870.03</td> <td>4881437.83</td> <td>173.20</td>	NSA05_Receptor_50		R50: NSA05_50 - NSA05_57	58.9	-73.0	65.0	0.0				1.50 r	273870.03	4881437.83	173.20
NSA06, Receptor, 52 RS2: NSA06 01 534 -76.1 65.0 0.0 11.50 r 2723832.3 4882169.67 178.26 NSA06 Receptor, 53 RS3: NSA06 02, NSA06 03, NSA06 178.26 0.0 11.50 r 273383.23 4882169.67 178.26 NSA06 Receptor, 54 RS5: NSA06 06, NSA06 0, NSA06 1.50 r 27338.23 4882169.67 177.21 NSA06 Receptor, 56 RS6: NSA06, 11, NSA06, 12 55.6 -74.9 65.0 0.0 1.50 r 27532.35 4882042.31 191.54 NSA07 Receptor, 58 RS6: NSA06, 01 62.1 -71.2 65.0 0.0 1.50 r 277134.17 4883034.54 228.50 NSA08 Receptor, 58 RS6: NSA06, 02, NSA08,07 72.2 -74.5 65.0 0.0 1.50 r 277867.27 488303.41 228.50 0.0 1.50 r 278868.41 488303.210.63 37.5 80.0 0.0 1.50 r 278876.71 4883483.3 210.51 NSA09 RS5.0	NSA05_Receptor_51		R51: NSA05_58 - NSA05_60	55.1	-75.0	65.0	0.0				1.50 r	274063.27	4881273.30	176.04
NSA06 Receptor_53 R53: NSA06 NSA06_0 1.50 r 27333.23 482195.70 175.00 NSA06 Receptor_54 R54: NSA06_00 NSA06_00 1.50 r 27373.36 4882198.50 175.50 NSA06 Receptor_56 R56: NSA06_01 NSA06_00 1.50 r 27420.26 48822376.00 174.71 NSA06 Receptor_57 R57: NSA07_01 64.2 65.0 0.0 1.50 r 27514.16.5 4882208.31 191.54 NSA08 Receptor_57 R57: NSA06_01 64.2 -74.2 65.0 0.0 1.50 r 27714.71 4880208.31 191.54 NSA08 Receptor_59 R59: NSA08_0 0.0 1.50 r 2771567.27 4883394.41 223.60 NSA08 Receptor_61 R61: NSA09_01, NSA09_06 3.57.4 60.0 0.0 1.50 r 277893.27 4883894.4 208.53 270.53 277893.27 4883894.67 203.57 NSA09_0 R53: NSA09_0, NSA09.90 3.2 -7.9.2 65.0 0.0 1.50 r 277899.23 4	NSA06 Receptor 52		R52: NSA06 01	53.4	-76.1	65.0	0.0				1.50 r	272981.68	4881667.38	171.50
NSA08_Receptor_54 R54 NSA06_05, NSA06_05, NSA06_07 \$51 -74.9 \$65.0 0.0 1.50 273733.66 \$882196.00 175.00 NSA06_Receptor_55 R55. NSA06_08, NSA06_10 55.4 -75.6 65.0 0.0 1.50 r 274200.26 4882376.00 174.71 191.50 NSA07_Receptor_57 R57. NSA07_01 64.2 -89.2 65.0 0.0 1.50 r 275323.59 4882247.77 191.50 NSA08_Receptor_58 R58. NSA08_02, NSA08_00 0.21 -72.1 65.0 0.0 1.50 r 277134.17 4883034.54 228.50 NSA08_Receptor_60 R69. NSA08_02, NSA09_07 72.2 -74.0 65.0 0.0 1.50 r 277867.27 4883343.3 210.63 NSA09_Receptor_61 R61. NSA09_01, NSA09_00 9.32 -79.2 65.0 0.0 1.50 r 278836.41 488395.37 0.72 NSA09_Receptor_61 R64. NSA09_10, NSA09_01 8.39 -79.7 65.0 0.0 1.50 r 279129.3 488395.37 0.72 71.73 65.0 0.0	NSA06 Receptor 53		R53: NSA06 02, NSA06 03, NSA06 04	53.1	-76.3	65.0	0.0				1.50 r	273583.23	4882169.76	178.26
NSA06 Receptor 55 R55: NSA06 0.00 NSA06 1.50 1 274200.26 4882376.00 174.71 NSA06 Receptor 56 R56: NSA06 11, NSA06 12 55.6 7.4.9 65.0 0.0 1.50 1 274200.26 4882376.00 174.71 NSA07 Receptor 57 R57: NSA07 10 64.2 65.0 0.0 1.50 1 277134.17 4883034.54 228.50 NSA08 Receptor 50 R57 NSA08 60.0 1.50 1 277134.17 4883034.54 228.50 NSA08 Receptor 60 R61 NSA08 60.NSA08_0 57.2 -74.6 65.0 0.0 1.50 1 277867.27 488389.6 210.71 NSA09 Receptor 61 R61 NSA09_0	NSA06 Recentor 54		R54: NSA06 05 NSA06 06 NSA06 07	55.1	-74 9	65.0	0.0				1 50 r	273733.68	4882198 50	176 50
Nackog Telespino Instruction Nackog Telespino Nackog Telespino Nackog Telespino Nackog Telespino Nackog Telespino NSA06 Receptor_56 R56 NSA06 T.2 S6 0.0 1.50 IP 275314.65 488274.71 191.50 NSA08 Receptor_58 R56 NSA08 0.0 1.50 IP 277314.65 488274.71 191.50 NSA08 Receptor_58 R56 NSA08 0.0 1.50 IP 277814.56 488274.71 191.50 NSA08 Receptor_58 R56 NSA08 0.0 1.50 IP 277835.55 4883394.41 228.50 NSA09 Receptor 61 R61 NSA09 0.0 1.50 IP 278939.23 488399.42 201.63 NSA09 Receptor 63 R63 NSA09 0.0 1.50 IP 278939.23 488395.27 207.27 NSA09 Receptor 64 R64 NSA09 9.00 9.0 1.50 IP 2899.42	NSA06 Receptor 55		P55: NSA06_08_NSA06_00_NSA06_10	55.4	75.6	65.0	0.0				1.00 r	274200.26	4882376.00	174 71
NAMO Receptor Sol Col Los Los <thlos< th=""> Los Los <thlos< td=""><td>NSA00_Receptor_55</td><td></td><td>R55: NGA00_00, NGA00_09, NGA00_10</td><td>55.4</td><td>-73.0</td><td>05.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50</td><td>274200.20</td><td>4002370.00</td><td>101.50</td></thlos<></thlos<>	NSA00_Receptor_55		R55: NGA00_00, NGA00_09, NGA00_10	55.4	-73.0	05.0	0.0				1.50	274200.20	4002370.00	101.50
NSAU/_Receptor_57 R57: NSAU0_01 642 642 650 0.0 1.50/r 27/514.65 4882/028.31 191.54 NSA08_Receptor_59 R55: NSA08_0_0_XSA08_0_3, NSA08_0_4 57.2 -74.0 65.0 0.0 1.50/r 27733.55 4883394.41 223.60 NSA08_Receptor_61 R61: NSA09_0_XSA09_0_3, NSA09_0_3 37.5 -80.0 65.0 0.0 1.50/r 277868.41 4883956.97 210.63 NSA09_Receptor_62 R62: NSA09_0_XSA09_0_0_S, NSA09_0_0_3 37.5 -80.0 65.0 0.0 1.50/r 278868.41 4883956.37 207.27 NSA09_Receptor_62 R63: NSA09_07, NSA09_0 SA0.5 -77.8 65.0 0.0 1.50/r 279.410.2 489399.421 196.50 NSA09_Receptor_64 R64: NSA09_10, NSA09_11 50.6 -77.8 65.0 0.0 1.50/r 280507.69 4884404.34 196.50 NSA11_Receptor_69 R68: NSA11_04, NSA11_05, NSA11_06 68.6 65.0 0.0 1.50/r 280577.69 4884404.34 196.50 1.50/r 280577.	NSAU6_Receptor_56		R30: INSAU0_11, INSAU0_12	55.0	-74.9	65.0	0.0				1.50 1	275323.59	4002/4/.//	191.50
NSA08_Receptor_58 R58: NSA08_01 62:1 -71.2 65.0 0.0 1.50 r 277134.17 4883034.41 223.60 NSA08_Receptor_59 R58: NSA08_02, NSA08_02, NSA08_03 37.5 -74.0 65.0 0.0 1.50 r 277293.55 488398.43 223.60 NSA09_Receptor_61 R50: NSA09_02, NSA09_03 37.5 -80.0 65.0 0.0 1.50 r 27898.23 488399.42 208.35 NSA09_Receptor_62 R53: NSA09_0K, NSA09_08, NSA09_09 43.2 -79.2 65.0 0.0 1.50 r 27999.23 488395.37 207.27 NSA09_Receptor_63 R63: NSA09_0K, NSA09_09 43.2 -79.2 65.0 0.0 1.50 r 27994.102 488395.37 207.27 NSA09_Receptor_64 R64: NSA09_10, NSA10_10 60.6 -77.8 65.0 0.0 1.50 r 280577.6 4884401.39 103.27 NSA11_Receptor_66 R68: NSA11_01, NSA11_02, NSA11_0 66.8 -65.0 0.0 1.50 r 28077.16 4884461.22 201.50 NSA11_Receptor_70 R70: NSA12_0, NS	NSAU7_Receptor_57		R57: NSAU7_01	64.2	-69.2	65.0	0.0				1.50 r	275114.65	4882028.31	191.54
NSA08_Receptor_50 R59: NSA08_02_02, NSA08_03, NSA08_04 57:2 7-4.5 65.0 0.0 1.50 r 277293.55 4883394.41 223.60 NSA08_Receptor_60 R60: NSA08_00, NSA08_00, NSA08_00 37.5 -80.0 65.0 0.0 1.50 r 27759.72 4883496.33 210.61 NSA09_Receptor_61 R61: NSA09_01, NSA09_05, NSA09_00 37.5 -80.0 65.0 0.0 1.50 r 278939.23 4883895.37 207.27 NSA09_Receptor_62 R63: NSA09_10, NSA09_11 50.6 -77.8 65.0 0.0 1.50 r 27912.9.3 489395.37 207.27 NSA09_Receptor_67 R67: NSA09_11, NSA11_02, NSA11_03 66.6 60.0 0.0 1.50 r 280577.69 4894612.02 205.00 NSA11_Receptor_68 R68: NSA11_01, NSA11_05, NSA11_06 60.8 -77.5 65.0 0.0 1.50 r 28077.69 4894612.20 205.00 NSA11_Receptor_70 R70: NSA11_04, NSA11_05, NSA12_0 60.8 -77.5 65.0 0.0 1.50 r 28077.69 4894461.31 196.50 18946	NSA08_Receptor_58		R58: NSA08_01	62.1	-71.2	65.0	0.0				1.50 r	277134.17	4883034.54	226.50
NSA08_Receptor_60 R60: NSA08_05, NSA08_06, NSA08_07 57.2 74.0 65.0 0.0 1.50 r 277867.27 488348.33 210.63 NSA09_Receptor_61 R61: NSA09_01, NSA09_05, NSA09_08 38.9 -79.7 65.0 0.0 1.50 r 278884.1 488395.97 210.71 NSA09_Receptor_62 R62: NSA09_01, NSA09_08, NSA09_08 38.9 -79.7 65.0 0.0 1.50 r 27893.23 488389.42 208.35 NSA09_Receptor_64 R64: NSA09_10, NSA09_11 05.0 67.7 65.0 0.0 1.50 r 27941.02 4883492.1 207.27 196.50 NSA01_Receptor_66 R66: NSA11_0, NSA11_02, NSA11_03 66.8 66.0 0.0 1.50 r 280577.69 4884461.24 196.50 NSA11_Receptor_70 R67: NSA10_4, NSA11_01 NSA11_6 67.2 -7.39 65.0 0.0 1.50 r 280577.69 488445.24 224.55 NSA11_Receptor_71 R71: NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 28128.15.7 488451.07 111.04 <td>NSA08_Receptor_59</td> <td></td> <td>R59: NSA08_02, NSA08_03, NSA08_04</td> <td>57.2</td> <td>-74.5</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>277293.55</td> <td>4883394.41</td> <td>223.60</td>	NSA08_Receptor_59		R59: NSA08_02, NSA08_03, NSA08_04	57.2	-74.5	65.0	0.0				1.50 r	277293.55	4883394.41	223.60
NSA09_Receptor_61 R61: NSA09_01, NSA09_02, NSA09_06 38.9 75.7 65.0 0.0 1.50 r 278868.41 4883895.97 210.71 NSA09_Receptor_62 R62: NSA09_07, NSA09_06 NSA09_14 56.0 0.0 1.50 r 2789.23 488389.42 208.35 NSA09_Receptor_64 R64: NSA09_10, NSA09_11 50.6 77.8 65.0 0.0 1.50 r 2789.23 488395.27 196.50 NSA09_Receptor_64 R64: NSA09_12, NSA09_13, NSA09_14 56.6 7.39 65.0 0.0 1.50 r 28057.57 488421.02 203.27 NSA11_Receptor_68 R68: NSA11_04, NSA11_02, NSA11_06 60.8 -71.5 65.0 0.0 1.50 r 28077.69 4884451.26 201.50 NSA11_Receptor_70 R70: NSA11_07, NSA11_06 60.8 -71.5 65.0 0.0 1.50 r 28012.30 488467.22 236.50 NSA12_Receptor_71 R71: NSA14_04, NSA12_02, NSA12_03 64.1 67.0 65.0 0.0 1.50 r	NSA08_Receptor_60		R60: NSA08_05, NSA08_06, NSA08_07	57.2	-74.0	65.0	0.0				1.50 r	277567.27	4883488.33	210.63
NSA09 Receptor_62 R62: NSA09_04, NSA09_05, NSA09_09 43.2 79.7 65.0 0.0 1.50 r 278939.23 4883899.46 208.35 NSA09 Receptor_64 R64: NSA09_10, NSA09_11 50.6 77.8 65.0 0.0 1.50 r 279810.2 3488399.57 207.27 NSA09 Receptor_64 R64: NSA09_10, NSA09_11 50.6 77.8 65.0 0.0 1.50 r 279810.12 4884201.09 203.27 NSA11 Receptor_66 R68: NSA11_01, NSA11_02, NSA11_06 60.8 7.15 65.0 0.0 1.50 r 280577.18 4884421.42 106.50 NSA11 Receptor_70 R70: NSA11_07 - NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 280731.45 4884501.32 236.50 NSA11 Receptor_71 R71: NSA11_2 - NSA12_02, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281012.30 488450.31 707.71 NSA12 Receptor_73 R73: NSA12_04, NSA12_09 <td>NSA09 Receptor 61</td> <td></td> <td>R61: NSA09 01, NSA09 02, NSA09 03</td> <td>37.5</td> <td>-80.0</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>278868.41</td> <td>4883956.97</td> <td>210.71</td>	NSA09 Receptor 61		R61: NSA09 01, NSA09 02, NSA09 03	37.5	-80.0	65.0	0.0				1.50 r	278868.41	4883956.97	210.71
NSA09 Receptor 63 R63: NSA09_00, NSA09_00, NSA09_00, NSA09_00 43.2 -79.2 65.0 0.0 1.50 r 279129.33 4883955.37 207.27 NSA09 Receptor_64 R64: NSA09_10, NSA09_11 50.6 -77.8 65.0 0.0 1.50 r 279841.02 4883955.37 207.27 NSA09 Receptor_67 R67: NSA09_12, NSA09_13, NSA09_14 58.7 -73.9 65.0 0.0 1.50 r 280707.18 488461.22 201.50 NSA11 Receptor_70 R70: NSA11_10 53.9 -76.1 65.0 0.0 1.50 r 280707.18 488461.22 201.50 NSA11 Receptor_71 R71: NSA12_01, NSA12_03 64.1 -67.6 65.0 0.0 1.50 r 281281.57 488451.07 181.04 NSA12 Receptor_72 R72: NSA12_01, NSA12_03 64.1 -67.6 65.0 0.0 1.50 r 281450.41 488455.03 176.50 <t< td=""><td>NSA09 Receptor 62</td><td></td><td>R62: NSA09_04, NSA09_05, NSA09_06</td><td>38.9</td><td>-79.7</td><td>65.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50 r</td><td>278939.23</td><td>4883899.46</td><td>208.35</td></t<>	NSA09 Receptor 62		R62: NSA09_04, NSA09_05, NSA09_06	38.9	-79.7	65.0	0.0				1.50 r	278939.23	4883899.46	208.35
NSA09_Receptor_64 R64: NSA09_10, NSA09_11 50.6 -77.8 66.0 0.0 1.50 729841.02 4883959.27 166.50 NSA09_Receptor_67 R67: NSA09_12, NSA09_13, NSA09_14 58.7 -73.9 65.0 0.0 1.50 r 280500.57 4884201.09 203.27 NSA11_Receptor_68 R68: NSA11_01, NSA11_02, NSA11_06 60.8 -71.5 66.0 0.0 1.50 r 28077.18 4884612.62 201.50 NSA11_Receptor_70 R70: NSA11_07 - NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 28077.18 4884612.62 201.50 NSA11_Receptor_71 R77: NSA11_07 - NSA11_16 57.2 -73.9 65.0 0.0 1.50 r 28077.18 4884507.22 226.50 NSA12_Receptor_71 R77: NSA12_01, NSA12_02, NSA12_00 64.4 67.0 65.0 0.0 1.50 r 281281.57 4884505.72 179.71 NSA12_Receptor_74 R74: NSA12_01, NSA12_02, NSA12_01 65.0 0.0 1.50 r 281456.41 <td< td=""><td>NSA09 Receptor 63</td><td></td><td>R63[·] NSA09 07 NSA09 08 NSA09 09</td><td>43.2</td><td>-79.2</td><td>65.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50 r</td><td>279129.33</td><td>4883955 37</td><td>207 27</td></td<>	NSA09 Receptor 63		R63 [·] NSA09 07 NSA09 08 NSA09 09	43.2	-79.2	65.0	0.0				1.50 r	279129.33	4883955 37	207 27
Non-Solution No-Solution Non-Solution	NSA09 Receptor 64		R64: NSA09 10 NSA09 11	50.6	-77.8	65.0	0.0				1.00 r	2708/11 02	4883959 27	196 50
NSAUS_Receptor_60 Rdf: NSAUS_12, NSAUS_10, NSAUS_14 36.7 -7.39 65.0 0.0 1.50 r 280577.69 4884421.41 196.50 NSA11_Receptor_60 R68: NSA11_01, NSA11_02, NSA11_06 60.8 -71.5 65.0 0.0 1.50 r 28077.69 4884461.42 201.50 NSA11_Receptor_70 R70: NSA11_01, NSA11_02, NSA11_06 60.8 -71.5 65.0 0.0 1.50 r 28077.69 4884461.24 201.50 NSA11_Receptor_71 R71: NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 281012.30 4884872.04 224.55 NSA12_Receptor_71 R71: NSA12_01, NSA12_02, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281281.57 4884451.01 181.04 NSA12_Receptor_73 R73: NSA12_10 - NSA12_08, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 28185.61 488451.03 176.50 NSA12_Receptor_76 R76: NSA12_10 - NSA12_19 63.9 65.0 0.0 1.50 r 281963.91 488465.83 176.50 NSA12_Receptor_76 <td< td=""><td>NGA00 Deceptor_07</td><td></td><td>R64: NGA00_10, NGA00_11</td><td>50.0</td><td>72.0</td><td>00.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50</td><td>273041.02</td><td>4003333.27</td><td>202.27</td></td<>	NGA00 Deceptor_07		R64: NGA00_10, NGA00_11	50.0	72.0	00.0	0.0				1.50	273041.02	4003333.27	202.27
NSA11_Receptor_66 R69: NSA11_04, NSA11_05, NSA11_06 60.8 -71.5 65.0 0.0 1.50 [r] 280577.69 4884464.34 196.50 NSA11_Receptor_70 R70: NSA11_04, NSA11_05, NSA11_06 60.8 -71.5 65.0 0.0 1.50 [r] 280771.45 4884612.62 201.50 NSA11_Receptor_70 R70: NSA11_07 - NSA11_11 53.9 -76.1 65.0 0.0 1.50 [r] 281012.30 4884872.04 224.55 NSA12_Receptor_72 R73: NSA12_01, NSA12_02, NSA12_06 64.9 -67.5 65.0 0.0 1.50 [r] 28108.01 1884665.31 178.04 NSA12_Receptor_73 R73: NSA12_01, NSA12_08 NSA12_09 66.4 -67.0 65.0 0.0 1.50 [r] 281963.01 4884665.31 176.50 NSA12_Receptor_74 R74: NSA12_01, NSA12_21, NSA12_22 70.1 63.9 65.0 0.0 1.50 [r] 281963.01 4884665.31 176.50 NSA12_Receptor_77 R77: NSA12_20, NSA12_21, NSA12_22 70.1 63.9 65.0 0.0 1.50 [r] 281963.01 4884665.31 176	NSAU9_Receptor_67		R07: NSAU9_12, NSAU9_13, NSAU9_14	56.7	-73.9	05.0	0.0				1.50 1	260500.57	4004201.09	203.27
NSA11_Receptor_69 R69: NSA11_04, NSA11_05, NSA11_06 60.8 -71.6 65.0 0.0 1.50 r 280731.45 4884612.62 201.50 NSA11_Receptor_70 R70: NSA11_07 - NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 280731.45 4885015.32 236.50 NSA12_Receptor_71 R71: NSA12_01, NSA12_02, NSA12_03 64.1 -67.8 65.0 0.0 1.50 r 281281.57 4884672.04 224.55 NSA12_Receptor_73 R73: NSA12_04, NSA12_05, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281450.41 488455.72 179.77 NSA12_Receptor_73 R75: NSA12_07, NSA12_08, NSA12_09 66.4 -67.0 65.0 0.0 1.50 r 281450.41 4884656.83 176.50 NSA12_Receptor_76 R75: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281450.41 488465.23 176.50 NSA12_Receptor_76 R76: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281892.04 4884676.63 176.50 NSA12_Receptor_77 R77: NSA12_20, NSA12_27, NSA12_28 65.7	NSA11_Receptor_68		R68: NSA11_01, NSA11_02, NSA11_03	66.8	-66.9	65.0	0.0				1.50 r	280577.69	4884464.34	196.50
NSA11_Receptor_70 R70: NSA11_07 - NSA11_11 53.9 -76.1 65.0 0.0 1.50 r 280731.45 4885015.32 236.50 NSA11_Receptor_71 R71: NSA11_12 - NSA11_16 57.2 -73.9 65.0 0.0 1.50 r 28121.57 4884451.07 181.04 NSA12_Receptor_73 R73: NSA12_01, NSA12_02, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281450.41 488451.07 179.77 NSA12_Receptor_74 R74: NSA12_01, NSA12_08, NSA12_09 66.4 -67.0 65.0 0.0 1.50 r 281450.41 4884550.72 179.77 NSA12_Receptor_74 R75: NSA12_10 - NSA12_219 66.4 -67.0 65.0 0.0 1.50 r 281963.91 4884650.62 176.50 NSA12_Receptor_75 R75: NSA12_10, NSA12_24, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281963.91 4884679.66 176.50 NSA12_Receptor_76 R76: NSA12_20, NSA12_41, NSA12_42 70.1 -63.9 65.0 0.0 1.50 r 281980.94 484720.62 177.09 NSA12_R	NSA11_Receptor_69		R69: NSA11_04, NSA11_05, NSA11_06	60.8	-71.5	65.0	0.0				1.50 r	280707.18	4884612.62	201.50
NSA11_Receptor_71 R71: NSA11_12 - NSA11_16 57.2 -73.9 65.0 0.0 1.50 r 281012.30 4884872.04 224.55 NSA12_Receptor_72 R72: NSA12_01, NSA12_02, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281281.57 4884451.07 181.04 NSA12_Receptor_74 R73: NSA12_04, NSA12_05, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281586.61 4884557.23 179.77 NSA12_Receptor_74 R74: NSA12_00, NSA12_19 63.9 -68.8 65.0 0.0 1.50 r 281586.61 4884554.03 176.50 NSA12_Receptor_75 R75: NSA12_10, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281963.91 488465.83 176.50 NSA12_Receptor_76 R75: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281963.91 488472.04 176.52 NSA12_Receptor_78 R77: NSA12_29, NSA12_21, NSA12_21 66.7 -67.6 65.0 0.0 1.50 r 28233.71 4884807.62 177.00	NSA11_Receptor_70		R70: NSA11_07 - NSA11_11	53.9	-76.1	65.0	0.0				1.50 r	280731.45	4885015.32	236.50
NSA12_Receptor_72 R72: NSA12_01, NSA12_02, NSA12_03 64.1 -67.8 65.0 0.0 1.50 r 281281.57 4884451.07 181.04 NSA12_Receptor_73 R73: NSA12_04, NSA12_05, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281281.57 4884450.72 179.77 NSA12_Receptor_74 R74: NSA12_07, NSA12_08, NSA12_09 66.4 -67.6 65.0 0.0 1.50 r 28195.31 4884450.32 178.04 NSA12_Receptor_75 R75: NSA12_10 - NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 28195.91 488470.62 177.09 NSA12_Receptor_76 R76: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 28198.92.09 488470.62 177.09 NSA12_Receptor_77 R77: NSA12_20, NSA12_21, NSA12_21 66.7 -67.6 65.0 0.0 1.50 r 28223.71 4884830.68 175.58 NSA12_Receptor_80 R80: NSA12_30, NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 28233.62 488497.00 175.08	NSA11_Receptor_71		R71: NSA11_12 - NSA11_16	57.2	-73.9	65.0	0.0				1.50 r	281012.30	4884872.04	224.55
NSA12_Receptor_73 R73: NSA12_04, NSA12_05, NSA12_06 64.9 -67.5 65.0 0.0 1.50 r 281450.41 488450.72 179.77 NSA12_Receptor_74 R74: NSA12_07, NSA12_09, NSA12_09 66.4 -67.0 65.0 0.0 1.50 r 281586.61 4884554.03 178.04 NSA12_Receptor_75 R75: NSA12_10 - NSA12_19 63.9 -68.8 65.0 0.0 1.50 r 281963.91 4884658.03 176.50 NSA12_Receptor_75 R76: NSA12_20, NSA12_21, NSA12_22 68.3 -65.5 65.0 0.0 1.50 r 281759.24 488470.69 176.50 NSA12_Receptor_77 R77: NSA12_20, NSA12_27, NSA12_28 65.7 -67.6 65.0 0.0 1.50 r 282098.35 488477.64 176.52 NSA12_Receptor_79 R79: NSA12_30, NSA12_31 65.1 -67.7 65.0 0.0 1.50 r 28233.71 4884806.81 175.24 NSA12_Receptor_80 R80: NSA12_32, NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 282740.18 488497.60 177.00 NSA12_Recept	NSA12 Receptor 72		R72: NSA12 01, NSA12 02, NSA12 03	64.1	-67.8	65.0	0.0				1.50 r	281281.57	4884451.07	181.04
NSA12_Receptor_74 R74: NSA12_07, NSA12_08, NSA12_09 66.4 -67.0 65.0 0.0 1.50 r 281586.61 4884554.03 178.04 NSA12_Receptor_75 R75: NSA12_10 - NSA12_19 63.9 -68.8 65.0 0.0 1.50 r 281586.61 4884658.03 176.50 NSA12_Receptor_76 R76: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281795.24 4884679.69 176.50 NSA12_Receptor_77 R77: NSA12_23, NSA12_24, NSA12_25 68.3 -65.0 0.0 1.50 r 281892.09 488472.062 177.09 NSA12_Receptor_78 R78: NSA12_20, NSA12_30, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 282098.35 488477.64 176.52 NSA12_Receptor_79 R79: NSA12_30, NSA12_33 65.7 -67.7 65.0 0.0 1.50 r 282333.62 4884897.40 175.24 NSA12_Receptor_81 R81: NSA12_41, NSA12_42, NSA12_43 13.3 -71.1 65.0 0.0 1.50	NSA12 Receptor 73		R73: NSA12 04, NSA12 05, NSA12 06	64.9	-67.5	65.0	0.0				1.50 r	281450.41	4884505.72	179.77
NSA12_Receptor_75 R75: NSA12_10 - NSA12_19 63.9 68.8 65.0 0.0 1.50 281963.91 4884663.8 176.50 NSA12_Receptor_76 R75: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281963.91 4884667.69 176.50 NSA12_Receptor_76 R76: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281963.91 4884670.69 176.50 NSA12_Receptor_77 R77: NSA12_23, NSA12_24, NSA12_25 66.3 -65.6 65.0 0.0 1.50 r 281998.31 488470.62 177.79 NSA12_Receptor_78 R78: NSA12_20, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 282233.71 488480.68 175.88 NSA12_Receptor_80 R80: NSA12_32, NSA12_33 65.7 -67.7 65.0 0.0 1.50 r 28233.62 4884897.40 175.24 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r<	NSA12 Receptor 74		R74 NSA12 07 NSA12 08 NSA12 09	66.4	-67.0	65.0	0.0				1.50 r	281586.61	4884554 03	178 04
NSA12_Receptor_76 R76: NSA12_0: NSA12_21, NSA12_22 63.3 65.0 0.0 1.50 281759.24 488470.62 177.09 NSA12_Receptor_77 R76: NSA12_20, NSA12_21, NSA12_22 68.3 -65.5 65.0 0.0 1.50 r 281759.24 488467.062 177.09 NSA12_Receptor_78 R78: NSA12_20, NSA12_21, NSA12_28 65.7 -67.6 65.0 0.0 1.50 r 282098.35 488477.64 176.52 NSA12_Receptor_79 R79: NSA12_29, NSA12_30, NSA12_31 65.1 -65.0 0.0 1.50 r 28233.71 4884830.68 175.88 NSA12_Receptor_80 R80: NSA12_32, NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 28233.62 488497.40 175.24 NSA12_Receptor_81 R81: NSA12_44, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 28280.76 488501.4.47 176.50 NSA12_Receptor_84 R84: NSA12_50	NSA12 Receptor 75		R75: NSA12_10_NSA12_10	63.0	-68.8	65.0	0.0				1.50 r	281063.01	4884665.83	176.50
NSA12_receptor_70 R76: NSA12_20, NSA12_21, NSA12_22 70.1 -63.9 65.0 0.0 1.50 r 281892.09 488473.69 170.30 NSA12_Receptor_77 R77: NSA12_23, NSA12_24, NSA12_25 68.3 -65.5 65.0 0.0 1.50 r 281892.09 488472.62 177.09 NSA12_Receptor_78 R78: NSA12_29, NSA12_30, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 281892.09 488472.62 177.09 NSA12_Receptor_79 R79: NSA12_29, NSA12_30, NSA12_31 65.7 -67.7 65.0 0.0 1.50 r 282233.71 488480.68 175.88 NSA12_Receptor_80 R80: NSA12_32, NSA12_40 65.7 -67.7 65.0 0.0 1.50 r 28233.62 4884897.40 175.24 NSA12_Receptor_81 R81: NSA12_44, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_82 R82: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 282747.14 176.50 177.00 <	NGA12_Receptor_75		R73: NGA12_10 - NGA12_13	70.4	-00.0	00.0	0.0				1.50	201303.31	4004000.00	170.50
NSA12_Receptor_77 R77: NSA12_23, NSA12_24, NSA12_25 68.3 65.5 65.0 0.0 1.50 r 281892.09 4884720.52 177.09 NSA12_Receptor_78 R78: NSA12_26, NSA12_27, NSA12_28 65.7 -67.6 65.0 0.0 1.50 r 282098.35 4884720.52 177.09 NSA12_Receptor_79 R79: NSA12_29, NSA12_30, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 2822337.14 4884830.88 175.24 NSA12_Receptor_80 R80: NSA12_32, NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 282333.62 488497.40 175.24 NSA12_Receptor_81 R81: NSA12_34 - NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 282337.27 48844967.50 177.00 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282887.79 48844907.50 177.00 NSA12_Receptor_83 R83: NSA12_61, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 282887.79 4884901.41 176.50 NSA12_Receptor_	NSA12_Receptor_76		R76: NSA12_20, NSA12_21, NSA12_22	70.1	-03.9	05.0	0.0				1.50 1	201759.24	4004079.09	170.50
NSA12_Receptor_78 R78: NSA12_26, NSA12_27, NSA12_28 65.7 67.6 65.0 0.0 1.50 r 282098.35 4884777.64 176.52 NSA12_Receptor_79 R79: NSA12_29, NSA12_30, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 282233.71 4884830.68 175.88 NSA12_Receptor_90 R80: NSA12_32, NSA12_33 65.7 -67.7 65.0 0.0 1.50 r 28233.27 4884492.76 177.04 NSA12_Receptor_81 R81: NSA12_34 - NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 28233.27 488497.50 177.00 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.4 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 283067.61 488514.31 173.88 NSA12_Receptor_84 R84: NSA12_50 NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 283056.61 488490.43 161.86 <td< td=""><td>NSA12_Receptor_77</td><td></td><td>R77: NSA12_23, NSA12_24, NSA12_25</td><td>68.3</td><td>-65.5</td><td>65.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50 r</td><td>281892.09</td><td>4884720.62</td><td>177.09</td></td<>	NSA12_Receptor_77		R77: NSA12_23, NSA12_24, NSA12_25	68.3	-65.5	65.0	0.0				1.50 r	281892.09	4884720.62	177.09
NSA12_Receptor_79 R79: NSA12_29, NSA12_30, NSA12_31 65.1 -68.1 65.0 0.0 1.50 r 282233.71 4884830.68 175.88 NSA12_Receptor_80 R80: NSA12_32, NSA12_33 65.7 -67.7 65.0 0.0 1.50 r 282233.62 4884897.40 175.24 NSA12_Receptor_81 R81: NSA12_34 - NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 282730.82 4884897.40 175.24 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 488497.50 177.00 NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 282740.18 488501.47 176.50 NSA12_Receptor_84 R84: NSA12_50 - NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 282803.25 488491.14 176.40 NSA12_Receptor_86 R86: NSA12_66 - NSA12_62 53.6 -75.2 65.0 0.0 1.50	NSA12_Receptor_78		R78: NSA12_26, NSA12_27, NSA12_28	65.7	-67.6	65.0	0.0				1.50 r	282098.35	4884777.64	176.52
NSA12_Receptor_80 R80: NSA12_32, NSA12_33 65.7 -67.7 65.0 0.0 1.50 r 28233.62 4884897.40 175.24 NSA12_Receptor_81 R81: NSA12_34 - NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 28133.62 4884897.40 175.24 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 28287.79 4884907.40 175.50 NSA12_Receptor_84 R84: NSA12_47, NSA12_48, NSA12_49 58.5 -72.5 65.0 0.0 1.50 r 282807.61 14885143.30 173.80 NSA12_Receptor_85 R85: NSA12_50 - NSA12_62 53.6 -72.5 65.0 0.0 1.50 r 282803.25 488490.43 161.86 NSA12_Receptor_86 R86: NSA12_66 - NSA12_62 53.6 -72.2 65.0 0.0 1.50	NSA12_Receptor_79		R79: NSA12_29, NSA12_30, NSA12_31	65.1	-68.1	65.0	0.0				1.50 r	282233.71	4884830.68	175.88
NSA12_Receptor_81 R81: NSA12_34 - NSA12_40 63.5 -69.2 65.0 0.0 1.50 r 281593.27 4884492.76 177.00 NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 4884492.76 177.00 NSA12_Receptor_82 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_83 R83: NSA12_47, NSA12_48, NSA12_49 58.5 -72.5 65.0 0.0 1.50 r 282803.25 488411.41 176.50 NSA12_Receptor_84 R84: NSA12_50 NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 283067.61 4886143.30 173.88 NSA12_Receptor_86 R86: NSA12_66 NSA12_62 53.6 -75.2 65.0 0.0 1.50 r 283056.69 4884990.43 161.86 NSA12_Receptor_87 R87: NSA12_63 NSA12_66 55.0 -74.9 65.0 </td <td>NSA12_Receptor_80</td> <td></td> <td>R80: NSA12_32, NSA12_33</td> <td>65.7</td> <td>-67.7</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>282333.62</td> <td>4884897.40</td> <td>175.24</td>	NSA12_Receptor_80		R80: NSA12_32, NSA12_33	65.7	-67.7	65.0	0.0				1.50 r	282333.62	4884897.40	175.24
NSA12_Receptor_82 R82: NSA12_41, NSA12_42, NSA12_43 61.3 -71.1 65.0 0.0 1.50 r 282740.18 4884967.50 177.00 NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 28287.79 4885014.47 176.50 NSA12_Receptor_84 R84: NSA12_44, NSA12_48, NSA12_49 56.5 -72.5 65.0 0.0 1.50 r 2828087.61 4885014.47 176.50 NSA12_Receptor_84 R84: NSA12_50 NSA12_48, NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 282803.25 4884911.4 176.60 NSA12_Receptor_86 R86: NSA12_56 NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 282803.25 488491.41 176.40 NSA12_Receptor_86 R86: NSA12_66 NSA12_65 55.0 -74.9 65.0 0.0 1.50 r 283658.39 4885150.69 171.50 NSA13_Receptor_88 R88: NSA12_66, NSA12_67 53.4 -76.1 <t< td=""><td>NSA12 Receptor 81</td><td></td><td>R81: NSA12 34 - NSA12 40</td><td>63.5</td><td>-69.2</td><td>65.0</td><td>0.0</td><td></td><td></td><td></td><td>1.50 r</td><td>281593.27</td><td>4884492.76</td><td>177.00</td></t<>	NSA12 Receptor 81		R81: NSA12 34 - NSA12 40	63.5	-69.2	65.0	0.0				1.50 r	281593.27	4884492.76	177.00
NSA12_Receptor_83 R83: NSA12_44, NSA12_45, NSA12_46 60.6 -71.4 65.0 0.0 1.50 r 282887.79 4885014.47 176.50 NSA12_Receptor_84 R84: NSA12_47, NSA12_48, NSA12_49 58.5 -72.5 65.0 0.0 1.50 r 282887.79 4885014.47 176.50 NSA12_Receptor_85 R85: NSA12_50 - NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 282803.25 4884911.14 176.40 NSA12_Receptor_86 R86: NSA12_66 - NSA12_62 53.6 -75.2 65.0 0.0 1.50 r 283165.69 4884990.43 161.86 NSA12_Receptor_87 R87: NSA12_66, NSA12_61 55.0 -74.9 65.0 0.0 1.50 r 283805.64 4884990.43 161.86 NSA12_Receptor_88 R88: NSA12_66, NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283820.54 4885187.26 171.50 NSA13_Receptor_89 R89: NSA13_01 NSA14_06 51.8 -77.0 65.0 0.0 1.5	NSA12 Receptor 82		R82: NSA12 41, NSA12 42, NSA12 43	61.3	-71.1	65.0	0.0				1.50 r	282740.18	4884967.50	177.00
NSA12_Receptor_85 R85: NSA12_60 - NSA12_48, NSA12_40, S5 77.2 65.0 0.0 1.50 283067.61 4885143.01 77.030 17.33 NSA12_Receptor_85 R85: NSA12_50 - NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 283067.61 4885143.01 77.380 173.88 NSA12_Receptor_85 R85: NSA12_50 - NSA12_62 53.6 -75.2 65.0 0.0 1.50 r 283067.61 4885143.01 173.88 NSA12_Receptor_86 R86: NSA12_66 - NSA12_62 53.6 -75.2 65.0 0.0 1.50 r 283156.69 4884990.43 161.86 NSA12_Receptor_87 R87: NSA12_66, NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283805.44 4885187.26 171.50 NSA13_Receptor_88 R88: NSA13_01 - NSA13_06 51.8 -77.0 65.0 0.0 1.50 r 283205.4 4886439.95 175.50 NSA14_Receptor_90 R90: NSA13_01 - NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 <td>NSA12 Recentor 83</td> <td></td> <td>R83: NSA12 // NSA12 /5 NSA12 /6</td> <td>60.6</td> <td>-71 /</td> <td>65.0</td> <td>0.0</td> <td></td> <td></td> <td></td> <td>1.50 r</td> <td>282887 70</td> <td>4885014 47</td> <td>176 50</td>	NSA12 Recentor 83		R83: NSA12 // NSA12 /5 NSA12 /6	60.6	-71 /	65.0	0.0				1.50 r	282887 70	4885014 47	176 50
NSA12_Receptor_86 R86: NSA12_56 - NSA12_65 59.4 -72.2 65.0 0.0 1.50 r 282803.25 488491.14 176.40 NSA12_Receptor_86 R86: NSA12_56 - NSA12_55 59.4 -72.2 65.0 0.0 1.50 r 282803.25 488491.14 176.40 NSA12_Receptor_86 R86: NSA12_66 - NSA12_65 55.0 -74.9 65.0 0.0 1.50 r 283658.39 4885150.69 171.50 NSA12_Receptor_88 R88: NSA12_66, NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283205.4 4886439.95 176.50 NSA13_Receptor_89 R89: NSA13_01 - NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 283268.0 4886439.95 176.50 NSA14_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 28450.96 488674.60 188.50 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_05 64.8 -76.1 65.0 0.0 1.50	NSA12 Recentor 84		R84: NSA12 47 NSA12 48 NSA12 40	58.5	-72.5	65.0	0.0				1.50 r	283067.61	18851/13 20	173.89
NSA12_receptor_05 NSA12_00 NSA12_05 59.4 -72.2 65.0 0.0 1.50 r 282303.25 4884911.14 176.40 NSA12_Receptor_86 R86: NSA12_56 - NSA12_62 53.6 -72.2 65.0 0.0 1.50 r 283156.69 4884991.34 161.86 NSA12_Receptor_86 R87: NSA12_66 - NSA12_62 53.6 -72.9 65.0 0.0 1.50 r 283156.69 4884990.43 161.86 NSA12_Receptor_87 R87: NSA12_66 , NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283650.39 4885150.69 171.50 NSA13_Receptor_89 R89: NSA13_01 - NSA13_06 51.8 -77.0 65.0 0.0 1.50 r 283620.34 48861439.95 176.50 NSA14_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 28450.96 4886785.80 188.41 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 488675.80 188.41	NGA12_Neceptol_04		DRE NOA12 ED NOA12 EF	50.5	70.0	65.0	0.0				1.50 1	202007.01	4004044 44	176 40
NSA12_receptor_80 R86: NSA12_60 NSA12_62 53.6 -75.2 65.0 0.0 1.50 r 283156.69 4884990.43 161.86 NSA12_Receptor_87 R87: NSA12_63, NSA12_66	NOA12_Receptor_85		100. NOA12_00 - NOA12_00	59.4	-12.2	0.00	0.0				1.50 r	202003.25	4004911.14	1/0.40
NSA12_Receptor 87 R87: NSA12_63, NSA12_64, NSA12_65 55.0 -74.9 65.0 0.0 1.50 r 283658.39 4885150.69 171.50 NSA12_Receptor 88 R88: NSA12_66, NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283620.54 4885187.26 171.50 NSA13_Receptor 88 R89: NSA13_01 - NSA13_06 51.8 -77.0 65.0 0.0 1.50 r 283620.54 4886439.95 176.50 NSA14_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 28450.96 488678.60 188.11 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 488672.61 188.65	INSA12_Receptor_86		K00: NSA12_56 - NSA12_62	53.6	-75.2	65.0	0.0				1.50 r	283156.69	4884990.43	161.86
NSA12_Receptor_88 R88: NSA12_66, NSA12_67 53.4 -76.1 65.0 0.0 1.50 r 283820.54 4885187.26 171.50 NSA13_Receptor_89 R89: NSA13_01 - NSA13_06 51.8 -77.0 65.0 0.0 1.50 r 283820.54 4885187.26 171.50 NSA13_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 284850.96 488678.80 188.41 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 488672.61 188.65	NSA12_Receptor_87		R87: NSA12_63, NSA12_64, NSA12_65	55.0	-74.9	65.0	0.0				1.50 r	283658.39	4885150.69	171.50
NSA13_Receptor_89 R89: NSA13_01 - NSA13_06 51.8 -77.0 65.0 0.0 1.50 r 285208.84 4886439.95 176.50 NSA14_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 284850.96 4886785.80 188.41 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 488672.61 188.65	NSA12_Receptor_88		R88: NSA12_66, NSA12_67	53.4	-76.1	65.0	0.0				1.50 r	283820.54	4885187.26	171.50
NSA14_Receptor_90 R90: NSA14_01, NSA14_02, NSA14_03 60.2 -72.5 65.0 0.0 1.50 r 284850.96 4886785.80 188.41 NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 4886785.80 188.41	NSA13_Receptor 89		R89: NSA13_01 - NSA13 06	51.8	-77.0	65.0	0.0				1.50 r	285208.84	4886439.95	176.50
NSA14_Receptor_91 R91: NSA14_04, NSA14_05, NSA14_06 54.8 -76.1 65.0 0.0 1.50 r 285022.45 4886872.61 188.65	NSA14 Receptor 90		R90: NSA14 01, NSA14 02, NSA14 03	60.2	-72.5	65.0	0.0				1.50 r	284850.96	4886785.80	188.41
	NSA14 Receptor 91		R91: NSA14_04, NSA14_05, NSA14_06	54,8	-76,1	65.0	0,0				1.50 r	285022.45	4886872,61	188.65
NSA14 Receptor 92 IR92; NSA14 07, NSA14 08, NSA14 09 52,4 -77,4 65.0 0.0 1.50 r 285173 00 4886917 22 186.50	NSA14 Receptor 92		R92: NSA14_07, NSA14_08, NSA14_09	52.4	-77.4	65.0	0.0				1.50 r	285173.00	4886917.22	186.50



D RECEPTOR RESULTS

Location	Receptor	Noise Sensitive Land Use	Build (dBA)	No Build (dBA)
NSA01_Receptor_01	NSA01_01	OLA	34.3	34.5
	NSA01_02	OLA	40	40.2
	NSA01_03	OLA	30.5	30.7
NSA01_Receptor_02	NSA01_04	OLA	30.4	29.8
	NSA01_05	OLA	30.3	30.6
NSA02_Receptor_03	NSA02_01	OLA	59.5	59.5
	NSA02_02	OLA	58.9	58.9
	NSA02_03	OLA	60.7	60.7
NSA02_Receptor_04	NSA02_04	OLA	58.5	58.6
NSA02_Receptor_05	NSA02_05	OLA	61.5	61.5
	NSA02_06	OLA	61.4	61.3
	NSA02_07	OLA	62.7	62.6
NSA02_Receptor_06	NSA02_08	OLA	59.5	59.5
	NSA02_09	OLA	59	59.1
	NSA02_10	OLA	58.3	58.4
NSA02_Receptor_07	NSA02_11	OLA	57.6	57.7
	NSA02_12	OLA	57.3	57.2
	NSA02_13	OLA	59.2	59.1
NSA02_Receptor_08	NSA02_14	OLA	58.2	58.2
	NSA02_15	OLA	59.5	59.5
	NSA02_16	OLA	55.7	55.6
NSA02_Receptor_09	NSA02_17	OLA	58.4	58.5
	NSA02_18	OLA	58.5	58.5
	NSAU2_19		58.3	58.3
	NSAU2_20		58.4	58.4
	NSAU2_21		50.9	50.9
	NSA02_22 NSA02_22		58.2	58.0
	NSA02_23		58.7	58.8
	ΝςΔΩ2_24		59.7	59
	NSA02_25		58.5	58.5
NSA02 Receptor 10	NSA02_20		56.8	56.8
	NSA02_28	OLA	56.5	56.5
	NSA02_29	OLA	55.5	55.5
	NSA02_30	OLA	56.8	56.8
	NSA02 31	OLA	53.9	53.9
		OLA	54.4	54.3
NSA02 Receptor 11	NSA02 33	OLA	58	58
	NSA02 34	OLA	56.5	56.6
	NSA02_35	OLA	56.3	56.3
NSA02_Receptor_12		OLA	53.8	53.9
	NSA02_37	OLA	53.9	53.8

NSA03_Receptor_13	NSA03_01	OLA	63.9	63.9
	NSA03_02	OLA	57	57
	NSA03_03	OLA	62	62
NSA03_Receptor_14	NSA03_04	OLA	58.6	58.6
	NSA03_05	OLA	51.5	51.5
	NSA03_06	OLA	52.7	52.6
NSA03_Receptor_15	NSA03_07	OLA	52.4	52.2
	NSA03_08	OLA	58.5	58.5
	NSA03_09	OLA	58.7	58.7
NSA03_Receptor_16	NSA03_10	OLA	51	51
	NSA03_11	OLA	47.4	47.1
	NSA03_12	OLA	48.5	48.4
NSA03_Receptor_17	NSA03_13	OLA	59.4	59.4
	NSA03_14	OLA	59.4	59.4
	NSA03_15	OLA	59.4	59.4
NSA03_Receptor_18	NSA03_16	OLA	59.8	59.9
	NSA03_17	OLA	60.1	60.2
	NSA03_18	OLA	60.6	60.5
NSA03_Receptor_19	NSA03_19	OLA	60.8	60.8
	NSA03_20	OLA	61.2	61.2
	NSA03_21	OLA	61.7	61.7
NSA03_Receptor_20	NSA03_22	OLA	62.3	62.2
	NSA03_23	OLA	62.4	62.4
	NSA03_24	OLA	62.1	62
NSA03_Receptor_21	NSA03_25	OLA	62.3	62.2
	NSA03_26	OLA	62.7	62.7
NSA03_Receptor_22	NSA03_27	OLA	59.7	59.6
NSA03_Receptor_23	NSA03_28	OLA	62.5	62.4
	NSA03_29	OLA	62.7	62.7
	NSA03_30	OLA	63.3	63.4
NSA03_Receptor_24	NSA03_31	OLA	63.9	63.9
	NSA03_32	OLA	64.3	64.4
	NSA03_33	OLA	64.9	64.9
NSA03_Receptor_25	NSA03_34	OLA	65.2	65.2
	NSA03_35	OLA	65.4	65.4
	NSA03_36	OLA	64.6	64.6
NSA03_Receptor_26	NSA03_37	OLA	67.1	67.1
	NSA03_38	OLA	65.5	65.4
	NSA03_39	OLA	64.9	65
NSAU3_Receptor_27	NSAU3_40		65./	65.6
	INSAU3_41		60 60	8.50 ס.לס
NCAO2 December 20	INSAU3_42			05.9
NSAU3_Receptor_28	INSAU3_43		69.1	69.1
NEAD2 December 20	INSAU3_44		07.9 د ۱	0/.0
NSAU3_RECEPTOF_29	INSAU3_45		04 62 5	03.8 C2.2
	INSAU3_46		03.5 CEE	03.3
	NSAU3_47	OLA	65.5	65.3

NSA03_Receptor_30	NSA03_48	OLA	66.1	65.9
	NSA03_49	OLA	65.6	65.4
	NSA03_50	OLA	66.2	66
NSA03_Receptor_31	NSA03_51	OLA	60.3	60.2
NSA03_Receptor_32	NSA03_52	OLA	55.5	55.4
NSA03_Receptor_33	NSA03_53	OLA	57.1	60.6
	NSA03_54	OLA	57.2	56.4
NSA04_Receptor_34	NSA04_01	OLA	55.2	55.2
	NSA04_02	OLA	54.9	55
	NSA04_03	OLA	54.3	54.5
	NSA04_04	OLA	53.9	54.1
	NSA04_05	OLA	53.7	53.6
	NSA04_06	OLA	53.3	53.4
	NSA04_07	OLA	53	53.1
	NSA04_08	OLA	52.3	52.6
	NSA04_09	OLA	53.5	53.7
	NSA04_10	OLA	55.4	55.8
NSA04_Receptor_35	NSA04_11	OLA	54.8	55.3
	NSA04_12	OLA	53.7	54.5
	NSA04_13	OLA	53.9	54.2
	NSA04_14	OLA	55.5	55.6
	NSA04_15	OLA	58.2	58.7
	NSA04_16	OLA	56.8	57.5
NSA05_Receptor_36	NSA05_01	OLA	60	60.9
	NSA05_07	OLA	58.7	60.1
	NSA05_08	OLA	58.7	60.1
NSA05_Receptor_37	NSA05_02	OLA	58.6	60.2
	NSA05_03	OLA	58.5	60.2
	NSA05_04	OLA	59.8	61.4
	NSA05_05	OLA	63.3	64.9
	NSA05_06	OLA	63.2	64.9
NSA05_Receptor_38	NSA05_09	OLA	58.9	60.3
	NSA05_10	OLA	59.3	60.3
	NSA05_14	OLA	63.1	64.7
	NSA05_15	OLA	62.8	64.5
	NSA05_16	OLA	63.6	65.5
	NSA05_18	OLA	58.6	59.2
	NSA05_19	OLA	59.1	60.4
	NSA05_20	OLA	59.3	60.6
	NSA05_22	OLA	63.2	65
NSA05_Receptor_39	NSA05_11	OLA	59.1	60.7
	NSA05_12	OLA	59.9	61.2
	NSA05_13	OLA	61.1	62.7
NSA05_Receptor_40	NSA05_17	OLA	63.3	65.2
	NSA05_21	OLA	61.5	63.1
NSA05_Receptor_41	NSA05_23	OLA	62	63.6
	NSA05_24	OLA	61.8	63

	NSA05_25	OLA	62.1	63.7
NSA05_Receptor_42	NSA05_26	OLA	62.1	63.2
	NSA05_27	OLA	61.8	63
	NSA05_28	OLA	62.3	63.3
NSA05_Receptor_43	NSA05_29	OLA	62.6	63.2
	NSA05_30	OLA	61.3	61.9
	NSA05_31	OLA	63	63.7
NSA05_Receptor_44	NSA05_32	OLA	61.1	61.8
	NSA05_33	OLA	61.7	62.9
	NSA05_34	OLA	62.2	63.3
NSA05_Receptor_45	NSA05_35	OLA	63	64.4
	NSA05_36	OLA	62.7	64.3
	NSA05_37	OLA	62.5	64
NSA05_Receptor_46	NSA05_38	OLA	62.5	64
	NSA05_39	OLA	63	64.2
	NSA05_40	OLA	63.1	64.4
NSA05_Receptor_47	NSA05_41	OLA	63.8	64.4
	NSA05_42	OLA	64.3	64.1
	NSA05_43	OLA	64.2	64.3
NSA05_Receptor_48	NSA05_44	OLA	64.1	63.9
	NSA05_45	OLA	64.3	64.2
	NSA05_46	OLA	64.1	64.1
NSA05_Receptor_49	NSA05_47	OLA	63.3	63.6
	NSA05_48	OLA	62.9	63.1
	NSA05_49	OLA	62.7	62.8
NSA05_Receptor_50	NSA05_50	OLA	62	62.1
	NSA05_51	OLA	61.2	61.4
	NSA05_52	OLA	60.4	60.5
	NSA05_53	OLA	58.9	59.1
	NSA05_54	OLA	58.5	58.6
	NSA05_55	OLA	57.8	58
	NSA05_56	OLA	56.7	56.9
	NSA05_57	OLA	55.9	55.9
NSAU5_Receptor_51	NSAU5_58	OLA	56.1	56.4
	NSAU5_59		55.1	55.3
	NSAU5_60		54.1	54.2
NSAU6_Receptor_52	NSAU6_U1		53.0	53.4
NSAU6_Receptor_53			53.Z	55.5
	NSAU6_03		53.5	53.7
NEADE Recentor EA			53.0 E4 E	55.7
			54.5 EE	J4./
			57 5	57.5
NSAD6 Receptor EE			57.5	57.0
			ט יי .0 גג 1	54.9 55 1
	Νςδης 10		52 /	52.2
NSA06 Receptor 56	Νςλος 11		55.6	55.6
NSAUO_Receptor_50		ULA	22.0	22.0

	NSA06_12	OLA	54.5	54.6
NSA07_Receptor_57	NSA07_01	OLA	64.3	64.3
NSA08_Receptor_58	NSA08_01	OLA	62.5	62.5
NSA08_Receptor_59	NSA08_02	OLA	56.7	56.8
	NSA08_03	OLA	57.1	57.1
	NSA08_04	OLA	57.4	57.4
NSA08_Receptor_60	NSA08_05	OLA	55	55.1
	NSA08_06	OLA	57.3	57.4
	NSA08_07	OLA	57.2	57.3
NSA09_Receptor_61	NSA09_01	OLA	43.8	43.6
	NSA09_02	OLA	37.8	37.4
	NSA09_03	OLA	38.5	38.6
NSA09_Receptor_62	NSA09_04	OLA	38.9	38.7
	NSA09_05	OLA	38.6	37.9
	NSA09_06	OLA	42.2	42.3
NSA09_Receptor_63	NSA09_07	OLA	42.7	42.7
	NSA09_08	OLA	43.3	43.3
	NSA09_09	OLA	44	44
NSA10_Receptor_64	NSA10_01	OLA	48.5	48.4
	NSA10_02	OLA	50.6	50.6
NSA10_Receptor_65	NSA10_03	OLA	52.3	52.5
	NSA10_04	OLA	58.7	58.3
	NSA10_05	OLA	61.6	62.1
NSA11_Receptor_66	NSA11_01	OLA	66.8	66.7
	NSA11_02	OLA	61.2	61.1
	NSA11_03	OLA	62.8	62.7
NSA11_Receptor_67	NSA11_04	OLA	60.5	60.5
	NSA11_05	OLA	60.8	60.7
	NSA11_06	OLA	59.2	59.1
NSA11_Receptor_68	NSA11_07	OLA	56.1	56.2
	NSA11_08	OLA	57.1	57.1
	NSA11_09	OLA	54.6	54.6
	NSA11_10	OLA	53.6	53.6
	NSA11_11	OLA	43.5	43.3
NSA11_Receptor_69	NSA11_12	OLA	49	49.1
	NSA11_13	OLA	49.4	49.1
	NSA11_14	OLA	54.2	53.8
	NSA11_15	OLA	57.2	57.2
	NSA11_16	OLA	54.4	54.5
NSA12_Receptor_70	NSA12_01	OLA	64.9	64.9
	NSA12_02	OLA	64.2	64.4
	NSA12_03	ULA	64.5	65.6
NSA12_Receptor_71	NSA12_04	OLA	64.2	65.1
	NSA12_05	OLA	64.9	65
	NSA12_06	ULA	66.1	65.9
NSA12_Receptor_72	NSA12_07	OLA	66.8	66.6
	NSA12_08	OLA	66.5	66.3

	NSA12_09	OLA	65.3	65.2
NSA12_Receptor_73	NSA12_10	OLA	65.3	65.3
	NSA12_11	OLA	65.5	65.5
	NSA12_12	OLA	64.5	64.5
	NSA12_13	OLA	64	64
	NSA12_14	OLA	63.8	63.8
	NSA12_15	OLA	62.9	62.9
	NSA12_16	OLA	61.5	61.5
	NSA12_17	OLA	59.9	59.6
	NSA12_18	OLA	58.7	58.8
	NSA12_19	OLA	56.2	56.1
NSA12_Receptor_74	NSA12_20	OLA	70.9	70.9
	NSA12_21	OLA	69.9	70
	NSA12_22	OLA	69.1	69.1
NSA12_Receptor_75	NSA12_23	OLA	68.4	68.4
	NSA12_24	OLA	68.4	68.3
	NSA12_25	OLA	67.3	67.3
NSA12_Receptor_76	NSA12_26	OLA	66.4	66.4
	NSA12_27	OLA	65.7	65.8
	NSA12_28	OLA	65.7	65.7
NSA12_Receptor_77	NSA12_29	OLA	65.4	65.4
	NSA12_30	OLA	65.1	65.2
	NSA12_31	OLA	64.6	64.6
NSA12_Receptor_78	NSA12_32	OLA	65.6	65.7
	NSA12_33	OLA	61.1	61.1
NSA12_Receptor_79	NSA12_34	OLA	63.5	63.3
	NSA12_35	OLA	62.7	62.6
	NSA12_36	OLA	62.1	62.1
	NSA12_37	OLA	61	60.9
	NSA12_38	OLA	60.5	60.4
	NSA12_39	OLA	56.8	56.5
	NSA12_40	OLA	51.1	50.6
NSA12_Receptor_80	NSA12_41	OLA	61.1	61.2
	NSA12_42	OLA	60.6	60.7
	NSA12_43	OLA	61.3	61.3
NSA12_Receptor_81	NSA12_44	OLA	61	61.2
	NSA12_45	OLA	60.7	60.7
	NSA12_46	OLA	61.1	61.1
NSA12_Receptor_82	NSA12_47	OLA	57.3	57.3
	NSA12_48	OLA	58.5	58.4
	NSA12_49	OLA	59.5	59.5
NSA12_Receptor_83	NSA12_50	OLA	59.2	59.3
	NSA12_51	OLA	59.2	59.3
	NSA12_52	OLA	59.4	59.4
	NSA12_53	OLA	58.7	58.6
	NSA12_54	OLA	55.4	55.3
	NSA12_55	OLA	54.9	54.9

NSA12_Receptor_84	NSA12_56	OLA	52.8	52.9
	NSA12_57	OLA	53.8	53.8
	NSA12_58	OLA	53.5	53.4
	NSA12_59	OLA	55.9	56
	NSA12_60	OLA	56.3	56.3
	NSA12_61	OLA	56.7	56.6
	NSA12_62	OLA	55.3	55.3
NSA12_Receptor_85	NSA12_63	OLA	55.1	55.1
	NSA12_64	OLA	55	55
	NSA12_65	OLA	54.2	54.2
NSA12_Receptor_86	NSA12_66	OLA	53.4	53.4
	NSA12_67	OLA	53.4	53.4
NSA13_Receptor_87	NSA13_01	OLA	51.8	51.8
	NSA13_02	OLA	50.5	50.5
	NSA13_03	OLA	51.4	51.5
	NSA13_04	OLA	51	51.1
	NSA13_05	OLA	51.1	51.1
	NSA13_06	OLA	50.6	50.6
NSA14_Receptor_88	NSA14_01	OLA	63.3	63.5
	NSA14_02	OLA	60.1	60.2
	NSA14_03	OLA	57.7	57.8
NSA14_Receptor_89	NSA14_04	OLA	56.2	56.3
	NSA14_05	OLA	54.9	54.6
	NSA14_06	OLA	53.8	53.9
NSA14_Receptor_90	NSA14_07	OLA	52.2	52.3
	NSA14_08	OLA	39.1	38.8
	NSA14_09	OLA	47.1	47.1