



Appendix C STAMSON Output Files

Environmental Noise & Vibration Assessment

130 Mountainview Road North, Georgetown

Whitestone (Georgetown Developments) General Partnership

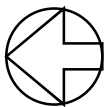
SLR Project No.: 241.031484.00001

December 6, 2024



Background Aerial Imagery from Microsoft Bing Satellite - QGIS Version 3.32



Scale:	1:1,000	METRES
	Date: Dec. 6, 2024	Rev. 0
Figure No.	C1	
Project No.	241.031484.00001	
True North		

WHITESTONE (GEORGETOWN DEVELOPMENTS) GENERAL PARTNERSHIP
 130 MOUNTAINVIEW ROAD NORTH, GEORGETOWN
 COMPARISON OF CADNA/A AND STAMSON OUTPUT

Filename: ST5.TE Time Period: 16 hours
Description: STAMSON Validation - Sample Calculation

Road data, segment # 1: RiverW_DH

Car traffic volume : 1319 veh/TimePeriod
Medium truck volume : 176 veh/TimePeriod
Heavy truck volume : 176 veh/TimePeriod
Posted speed limit : 50 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: RiverW_DH

Angle1 Angle2 : -90.00 deg 6.08 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 22.98 m
Receiver height : 1.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Road data, segment # 2: RiverW_UP

Car traffic volume : 1319 veh/TimePeriod
Medium truck volume : 176 veh/TimePeriod
Heavy truck volume : 176 veh/TimePeriod
Posted speed limit : 50 km/h
Road gradient : 5 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 2: RiverW_UP

Angle1 Angle2 : -90.00 deg 4.70 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 26.64 m
Receiver height : 1.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Results segment # 1: RiverW_DH

Source height = 1.80 m

ROAD (0.00 + 57.22 + 0.00) = 57.22 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	6	0.00	61.80	0.00	-1.85	-2.73	0.00	0.00	0.00	57.22

Segment Leq : 57.22 dBA

Results segment # 2: RiverW_UP

Source height = 1.80 m

ROAD (0.00 + 57.88 + 0.00) = 57.88 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	5	0.00	63.16	0.00	-2.49	-2.79	0.00	0.00	0.00	57.88

Segment Leq : 57.88 dBA

Total Leq All Segments: 60.57 dBA

TOTAL Leq FROM ALL SOURCES: 60.57