

APPENDIX H

Traffic Modelling Results (STAMSON)

DRAFT

Filename: Time Period: 1 hour
Description:

Road data, segment # 1: S Service Rd

Car traffic volume : 33 veh/TimePeriod
Medium truck volume : 0 veh/TimePeriod
Heavy truck volume : 7 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: S Service Rd

Angle1 Angle2 : 0.00 deg 45.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 330.00 m
Receiver height : 4.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Road data, segment # 2: Osbourne Rd

Car traffic volume : 33 veh/TimePeriod
Medium truck volume : 0 veh/TimePeriod
Heavy truck volume : 7 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 2 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 2: Osbourne Rd

Angle1 Angle2 : -60.00 deg 30.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 500.00 m
Receiver height : 4.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Results segment # 1: S Service Rd

Source height = 2.05 m

ROAD (0.00 + 32.94 + 0.00) = 32.94 dBA

Angle1 Angle2 Alpha RefLeq P.Adj D.Adj F.Adj W.Adj H.Adj B.Adj SubLeq

0	45	0.55	60.07	0.00	-20.86	-6.28	0.00	0.00	0.00	32.94
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Segment Leq : 32.94 dBA

Results segment # 2: Osbourne Rd

Source height = 2.05 m

ROAD (0.00 + 33.94 + 0.00) = 33.94 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
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-60	30	0.55	60.96	0.00	-23.66	-3.36	0.00	0.00	0.00	33.94
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Segment Leq : 33.94 dBA

Total Leq All Segments: 36.48 dBA

TOTAL Leq FROM ALL SOURCES: 36.48

Filename: Time Period: 1 hour
Description:

Road data, segment # 1: Osbourne

Car traffic volume : 33 veh/TimePeriod
Medium truck volume : 0 veh/TimePeriod
Heavy truck volume : 7 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: Osbourne

Angle1 Angle2 : -20.00 deg 45.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 500.00 m
Receiver height : 4.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Results segment # 1: Osbourne

Source height = 2.05 m

ROAD (0.00 + 31.80 + 0.00) = 31.80 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-20	45	0.55	60.07	0.00	-23.66	-4.62	0.00	0.00	0.00	31.80

Segment Leq : 31.80 dBA

Total Leq All Segments: 31.80 dBA

TOTAL Leq FROM ALL SOURCES: 31.80

Filename: Time Period: 1 hour
Description:

Road data, segment # 1: S Service Rd

Car traffic volume : 33 veh/TimePeriod
Medium truck volume : 0 veh/TimePeriod
Heavy truck volume : 7 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: S Service Rd

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 500.00 m
Receiver height : 4.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Results segment # 1: S Service Rd

Source height = 2.05 m

ROAD (0.00 + 35.14 + 0.00) = 35.14 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.55	60.07	0.00	-23.66	-1.27	0.00	0.00	0.00	35.14

Segment Leq : 35.14 dBA

Total Leq All Segments: 35.14 dBA

TOTAL Leq FROM ALL SOURCES: 35.14