Appendix C Noise

Exhibit 1 Noise Monitoring Noise Levels

8													
Measured Site	Location	Time	$L_{eq(1)}$	L ₁₍₁₎	L ₁₀₍₁₎	L ₅₀₍₁₎	L ₉₀₍₁₎	L _{min(1)}	L _{max(1)}				
	Navy Street between	AM	68.7	79.2	71.3	64.8	60.6	57.9	88.0				
1	Flushing Avenue and	Midday	65.6	75.2	68.7	61.8	56.2	53.6	82.4				
	Sands Street	PM	70.7	80.6	71.4	65.5	60.3	55.7	94.2				
	Flushing Avenue	AM	70.6	79.4	73.5	68.5	62.1	57.4	82.7				
2	between Navy Street	Midday	69.6	79.2	72.5	66.0	58.0	55.7	86.8				
	and N. Elliot Place	PM	71.5	82.1	73.9	68.1	59.9	54.8	87.9				

Exhibit 2 Noise Analysis Results

_		Existing						No Build 2014				Build 2014 Increment							
Receptor Location	Site	Hour	Total Volume	% Auto	% Medium	% Heavy	% Bus	PCEs	Lea(1)	Total Volume	PCEs	Leg(1)	Change	Increment Autos	Incre. Medium Truck	Incre. Heavy Truck	Total PCEs	Lea(1)	Change
Navy Street between		AM	954	86.8%	7.3%	1.8%	4.1%	3222	68.7	971	3280	68.8	0.1	46	8	3	3541	69.1	0.3
Flushing Avenue and		MD	706	93.1%	3.1%	1.1%	2.8%	1639	65.6	720	1672	65.7	0.1	55	9	3	1985	66.4	0.7
Sands Street		PM	1037	93.8%	3.0%	0.8%	2.5%	2209	70.7	1054	2245	70.8	0.1	59	3	1	2390	71.0	0.3
Flushing Avenue		AM	1239	90.8%	4.7%	0.4%	4.2%	3023	70.6	1310	3196	70.8	0.2	46	3	1	3328	71.0	0.2
between Navy Street	2	MD	777	89.4%	4.1%	1.2%	5.3%	2288	69.6	839	2471	69.9	0.3	79	5	2	2679	70.3	0.4
and N. Elliott Place		PM	1317	94.3%	3.8%	0.9%	1.1%	2679	71.5	1372	2791	71.7	0.2	85	2	1	2919	71.9	0.2

Exhibit 3

Note: This L10 calculation sheet is valid for the following in addition to Residential 7 AM - 10 PM; school, museum, library, court, house of worship, transient hotel or motel, public meeting room, auditorium, out patient public health facility, commercial

Categor	ies
L10 < or equal 65 dBA	accepatble
65 < L10 < or equal 70 dBA	marginaly acceptable
70 < L10 < or equal 80 dBA	marginaly acceptable
L10 > 80 dBA	clearly unacceptable

Receptor Location	Site	Hour	NB Change	Existing L10	Category (Existing L10 noise levels)	Existing L10 + NB Change = NB L10	Category (NB L10 noise levels)	Build Change	No Build L10	No Build L10 + Build Change = L10	Category (B L10 noise levels)	CEQR criteria 45 dB(A)	Building Attenuation required	Building Attenuation* required
Navy Street between		AM	0.1	71.3	MARGINALLY UNACCEPTABLE	71.4	MARGINALLY UNACCEPTABLE	0.3	71.4	71.7	MARGINALLY UNACCEPTABLE	45		
Flushing Avenue and	1	MD	0.1	68.7	MARGINALLY ACCEPTABLE	68.8	MARGINALLY ACCEPTABLE	0.7	68.8	69.5	MARGINALLY ACCEPTABLE	45	28	23
Sands Street		PM	0.1	71.4	MARGINALLY UNACCEPTABLE	71.5	MARGINALLY UNACCEPTABLE	0.3	71.5	71.7	MARGINALLY UNACCEPTABLE	45		
Flushing Avenue		AM	0.2	73.5	MARGINALLY UNACCEPTABLE	73.7	MARGINALLY UNACCEPTABLE	0.2	73.7	73.9	MARGINALLY UNACCEPTABLE	45		
between Navy Street	2	MD	0.3	72.5	MARGINALLY UNACCEPTABLE	72.8	MARGINALLY UNACCEPTABLE	0.4	72.8	73.2	MARGINALLY UNACCEPTABLE	45	31	26
and N. Elliott Place		PM	0.2	73.9	MARGINALLY UNACCEPTABLE	74.1	MARGINALLY UNACCEPTABLE	0.2	74.1	74.3	MARGINALLY UNACCEPTABLE	45		