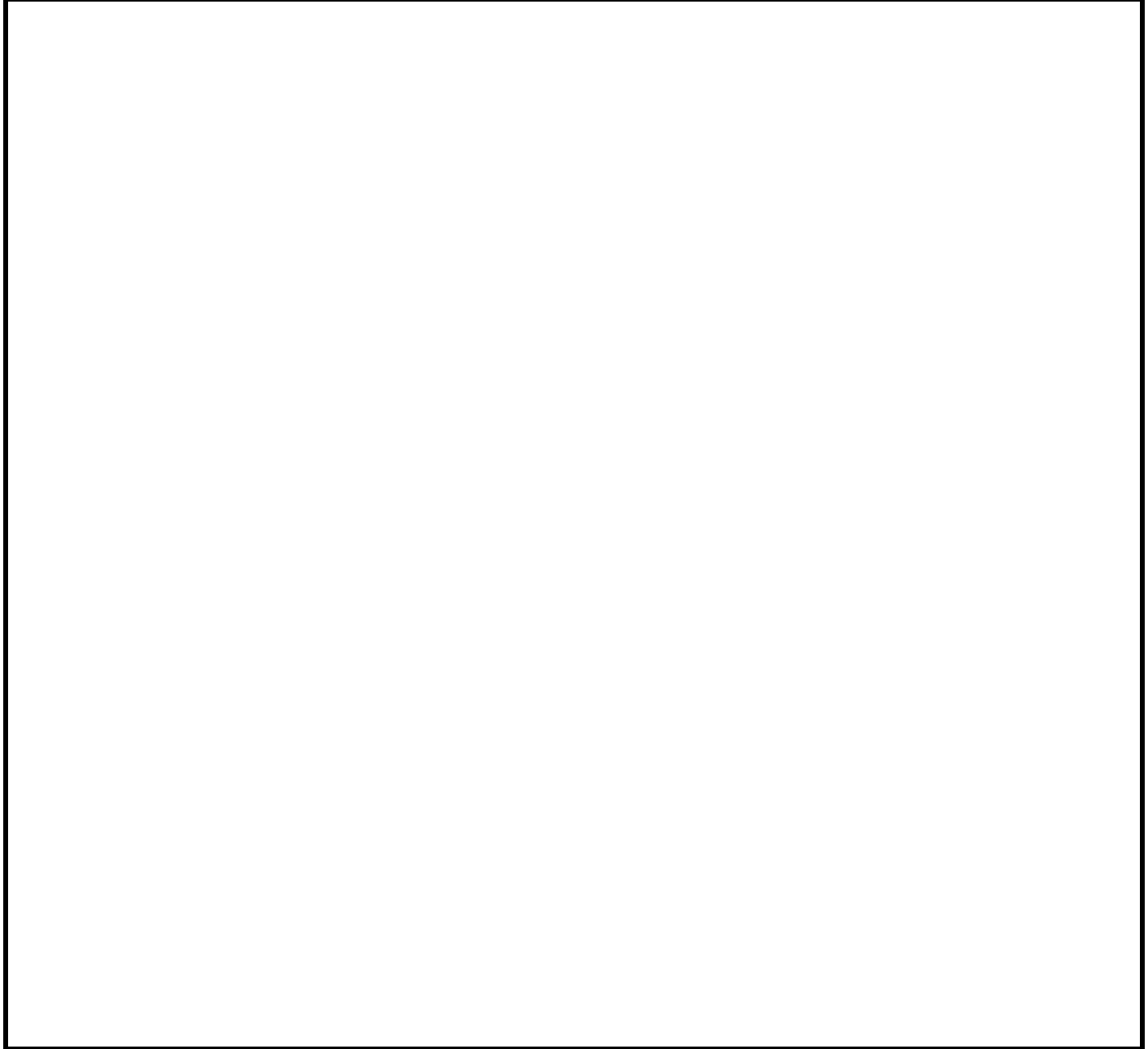


**Appendix N:  
Noise Analysis**

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**Trails at Santiago Creek**  
**Assessed receiver levels - Existing Calibration to 2011 Noise**  
**Measurements**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)	
A	GR	GF		50.8	51.3	46.5	39.6	
B	GR	GF		68.7	67.0	60.9	61.0	
C	GR	GF		58.4	58.1	50.9	49.5	
D	GR	GF		53.4	55.6	46.8	34.7	



Trails at Santiago Creek  
Source level road - Existing Calibration to 2011 Noise Measurements

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
377.92	533.89	Average (of DGAC and PCC)	1249.75	Cannon St. North of Taft Ave.	0.000	20000	-1.8
98.26	138.81	Average (of DGAC and PCC)	324.94	Cannon St. South of Santiago Cyn Rd	0.000	5200	-3.6
393.04	555.25	Average (of DGAC and PCC)	1299.74	Villa Park Rd West of Cannon St.	0.000	20800	0.8
402.49	568.60	Average (of DGAC and PCC)	1330.98	Santiago Cyn Rd East of Cannon St	0.000	21300	1.6
364.70	515.21	Average (of DGAC and PCC)	1206.01	Santiago Cyn Rd East of Orange Park Blvd	0.000	19300	0.8
54.74	77.33	Average (of DGAC and PCC)	181.03	Orange Park Blvd South of Santiago Cyn	0.000	2897	-0.6
243.76	344.36	Average (of DGAC and PCC)	806.09	Serrano Ave East of Cannon St	0.000	12900	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury Avenue	0.000	1000	-1.8
574.45	811.52	Average (of DGAC and PCC)	1899.62	Cannon St North of Santiago Cyn Rd	0.000	30400	-2.4

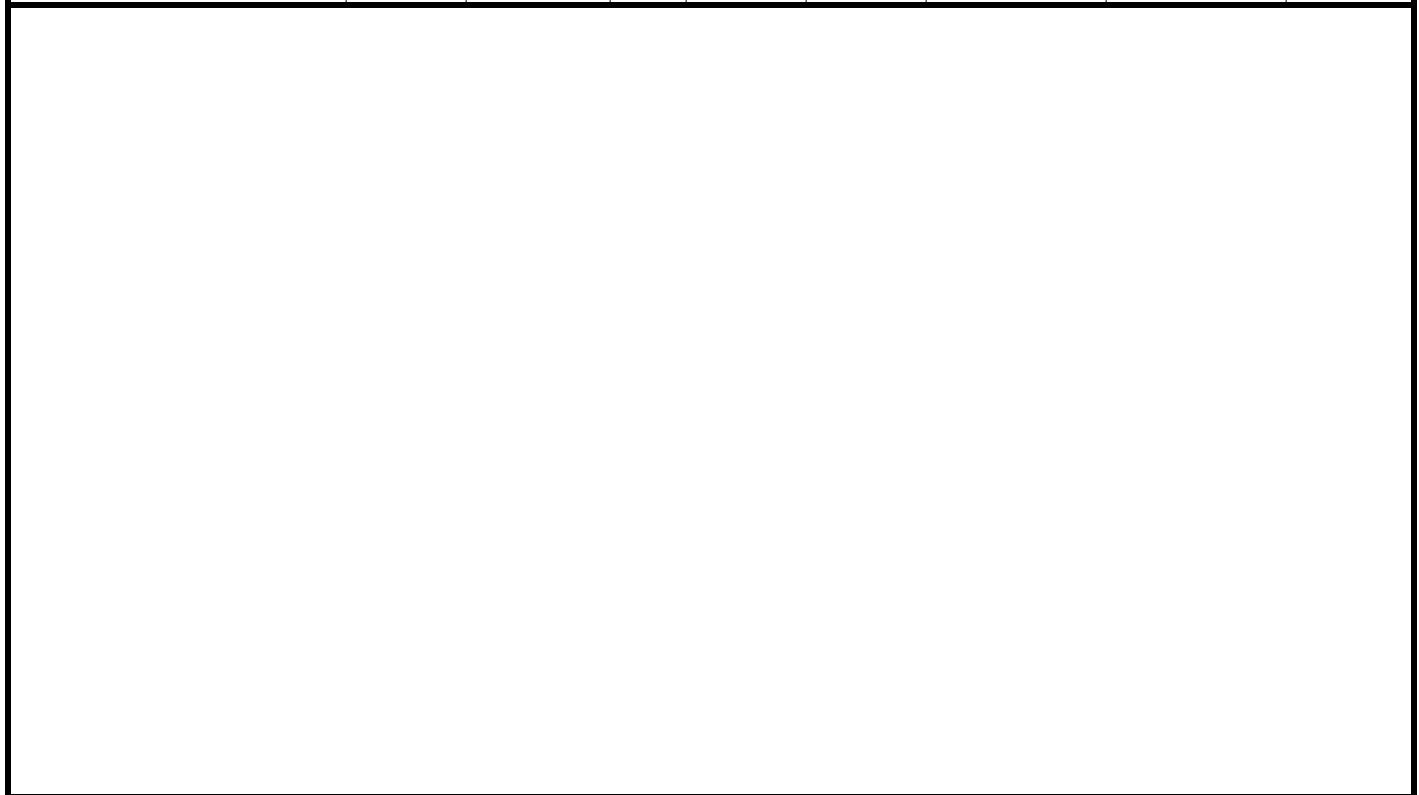
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**Trails at Santiago Creek  
3rd octave spectras of the sources in dB(A) - Existing Calibration to 2011 Noise  
Measurements**

Source	I or S	Lw	Li	R'w	KI	KT	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1,25	1,6	2	2,5	3,15	4	5	6,3	
							Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHZ	kHZ	kHZ	kHZ	kHZ	kHZ	kHZ	kHZ	kHZ	kHZ
Aircraft	2615.52	135.7					100.5	105.3	110.1	114.3	119.3	120.6	121.9	125.9	125.5	127.7	127.3	126.9	126.2	124.6	121.2	117.8	113.7	110.3	104.1	101.5	100.6	93.3	
Cat 623B Water Pull		109.4					70.8	77.0	84.5	85.7	86.7	83.6	84.0	86.6	89.7	94.6	98.2	96.9	98.0	99.5	100.8	98.9	99.8	99.5	95.6	95.0	95.0	94.9	
Cat 627 Scrapper 1		115.3					73.0	76.3	83.0	90.7	91.5	94.9	90.8	92.6	97.2	103.3	104.2	102.4	104.0	105.1	106.3	104.5	105.3	104.7	104.0	102.7	100.7	99.6	
Cat 627 Scrapper 2		115.3					73.0	76.3	83.0	90.7	91.5	94.9	90.8	92.6	97.2	103.3	104.2	102.4	104.0	105.1	106.3	104.5	105.3	104.7	104.0	102.7	100.7	99.6	
Cat 651B Scrapper 1		110.5					72.3	74.9	88.1	85.9	84.5	92.6	91.8	89.3	93.5	97.2	97.0	97.9	100.4	101.1	101.8	102.9	99.3	96.8	96.0	94.9	93.5	93.9	
Cat 651B Scrapper 2		110.5					72.3	74.9	88.1	85.9	84.5	92.6	91.8	89.3	93.5	97.2	97.0	97.9	100.4	101.1	101.8	102.9	99.3	96.8	96.0	94.9	93.5	93.9	
Cat 824C Compactor		109.9					68.2	72.5	78.8	88.0	86.8	87.2	90.6	95.4	94.6	97.6	99.0	99.4	100.5	100.3	99.7	99.7	99.9	97.3	96.1	94.0	92.2	89.9	
CAT 420 D Backhoe		110.0					88.6	74.6	68.0	74.6	80.6	85.0	87.3	92.2	88.7	92.4	96.0	96.9	102.7	100.8	102.6	101.4	98.6	99.3	95.5	91.2	89.3	86.8	
CAT 980C Loader		114.8					73.1	77.4	83.7	92.9	91.7	92.2	95.6	100.3	99.5	102.5	103.9	104.3	105.4	105.2	104.6	104.6	104.8	102.2	101.0	98.9	97.1	94.8	
Cat D8 Dozer		114.9					69.6	72.0	80.0	89.8	91.2	89.0	99.6	97.0	97.0	103.0	103.2	103.7	106.4	104.3	107.2	105.0	103.2	101.6	100.9	98.5	97.1	95.4	
Dump Truck 1		97.7					68.1	71.1	72.6	72.2	72.9	78.9	77.6	76.9	84.5	87.2	84.6	86.4	87.0	87.1	90.9	86.0	84.9	84.9	83.4	83.4	82.9	80.6	
Dump Truck 2		97.7					68.1	71.1	72.6	72.2	72.9	78.9	77.6	76.9	84.5	87.2	84.6	86.4	87.0	87.1	90.9	86.0	84.9	84.9	83.4	83.4	82.9	80.6	
John Deer 450J Dozer		109.9					68.2	72.5	78.8	88.0	86.8	87.2	90.6	95.4	94.6	97.6	99.0	99.4	100.5	100.3	99.7	99.7	99.9	97.3	96.1	94.0	92.2	89.9	
Water Truck		103.2					64.6	70.8	78.3	79.5	80.5	77.4	77.8	80.4	83.5	88.4	92.0	90.7	91.8	93.3	94.6	92.7	93.6	93.3	89.4	88.8	88.8	88.7	
Water Truck		97.7					68.1	71.1	72.6	72.2	72.9	78.9	77.6	76.9	84.5	87.2	84.6	86.4	87.0	87.1	90.9	86.0	84.9	84.9	83.4	83.4	82.9	80.6	

**Trails at Santiago Creek**  
**Assessed receiver levels - Existing Year 2017 Conditions**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	68.3	65.8	60.9	61.1
02	GR	GF	SE	57.9	55.6	51.5	50.3
03	GR	GF	SE	57.0	54.9	50.9	49.4
04	GR	GF	SE	53.2	51.6	48.4	44.9
05	GR	GF	S	54.4	52.5	49.0	46.4
06	GR	GF	S	56.0	53.8	49.9	48.3
07	GR	GF	S	53.2	51.3	47.8	45.2
08	GR	GF	N	48.5	47.6	45.2	39.0
09	GR	GF	NW	50.0	49.0	46.6	40.5
10	GR	GF	W	51.8	50.1	47.0	43.4
11-School	GR	GF	NW	65.7	63.2	58.4	58.4
12	GR	GF	N	63.9	61.4	56.7	56.6
13	GR	GF	N	65.4	62.8	58.2	58.1
14	GR	GF	N	66.3	63.7	59.0	59.0
15	GR	GF	N	64.4	61.8	57.2	57.1



Trails at Santiago Creek  
Source level road - Existing Year 2017 Conditions

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
751.82	1062.10	Average (of DGAC and PCC)	2486.19	Cannon St. North of Taft Ave.	0.000	39787	-1.8
168.93	238.65	Average (of DGAC and PCC)	558.64	Cannon St. South of Santiago Cyn Rd	0.000	8940	-3.6
493.53	697.21	Average (of DGAC and PCC)	1632.05	Villa Park Rd West of Cannon St.	0.000	26118	0.8
548.16	774.39	Average (of DGAC and PCC)	1812.70	Santiago Cyn Rd East of Cannon St	0.000	29009	1.6
508.99	719.05	Average (of DGAC and PCC)	1683.16	Santiago Cyn Rd East of Orange Park Blvd	0.000	26936	0.8
67.08	94.77	Average (of DGAC and PCC)	221.83	Orange Park Blvd South of Santiago Cyn	0.000	3550	-0.6
367.53	519.21	Average (of DGAC and PCC)	1215.38	Serrano Ave East of Cannon St	0.000	19450	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury Avenue	0.000	1000	-1.8
600.88	848.86	Average (of DGAC and PCC)	1987.04	Cannon St North of Santiago Cyn Rd	0.000	31799	-2.4

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Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Existing Year 2017 Conditions

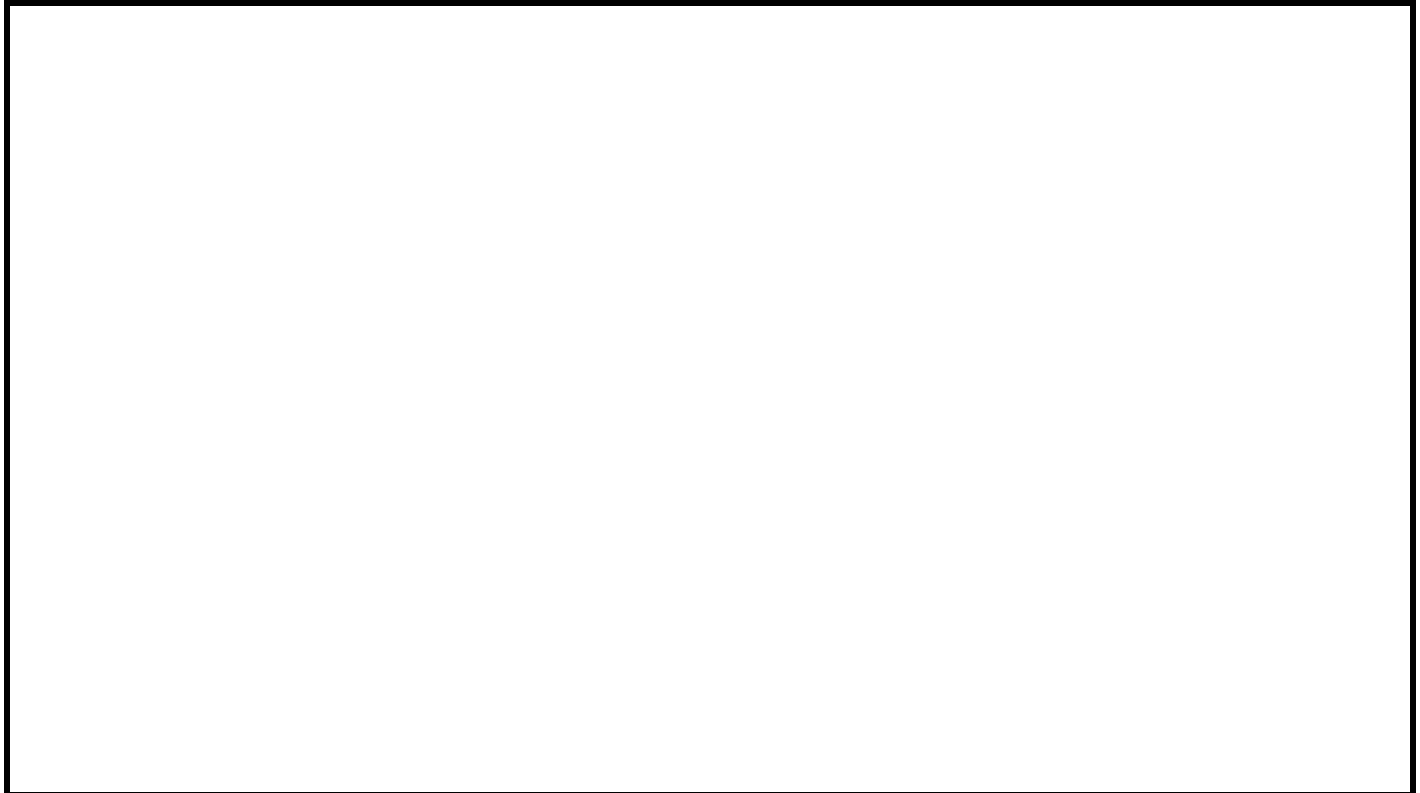
Name	Source type	I or A m,m <sup>2</sup>	L'w dB(A)	Lw dB(A)	Day histogram	Spectrum	31Hz dB(A)	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Aircraft	Line	2615.52	101.	135.	Aircraft	Aircraft -	96.6	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8

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**Trails at Santiago Creek**  
**Assessed receiver levels - Existing With Project**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	68.3	65.8	60.9	61.1
02	GR	GF	SE	57.9	55.7	51.6	50.4
03	GR	GF	SE	57.1	54.9	50.9	49.4
04	GR	GF	SE	53.3	51.6	48.5	45.0
05	GR	GF	S	54.4	52.5	49.0	46.5
06	GR	GF	S	56.0	53.9	49.9	48.4
07	GR	GF	S	53.2	51.3	47.8	45.3
08	GR	GF	N	48.5	47.6	45.2	39.0
09	GR	GF	NW	50.0	49.0	46.6	40.5
10	GR	GF	W	51.8	50.2	47.0	43.5
11-School	GR	GF	NW	65.8	63.3	58.5	58.5
12	GR	GF	N	64.0	61.4	56.8	56.7
13	GR	GF	N	65.5	62.9	58.2	58.2
14	GR	GF	N	66.4	63.8	59.1	59.1
15	GR	GF	N	64.5	61.9	57.3	57.2



# Trails at Santiago Creek Source level road - Existing With Project

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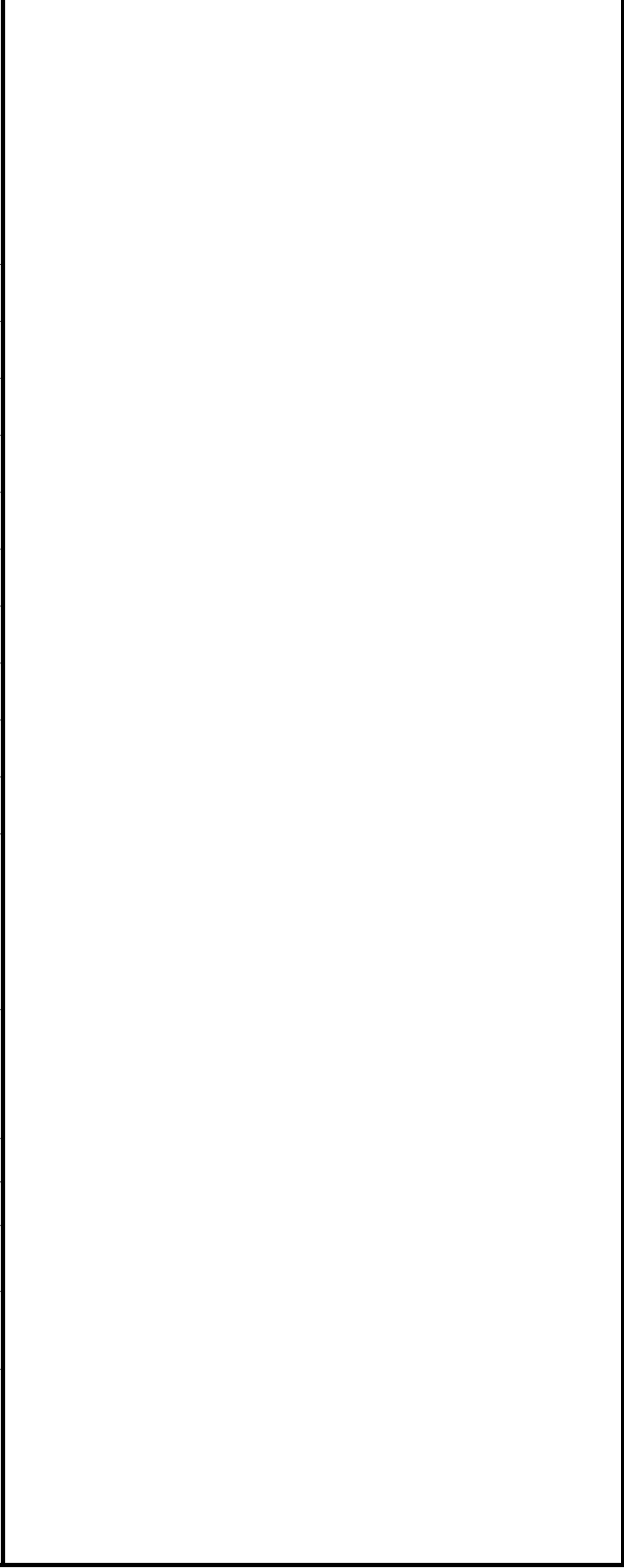
MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM	ADT Veh/24h	Gradient %
753.73	1064.80	Average (of DGAC and PCC)	2492.50	Cannon St. North of	0.000	39888	-1.8
169.97	240.12	Average (of DGAC and PCC)	562.08	Cannon St. South of	0.000	8995	-3.6
506.38	715.36	Average (of DGAC and PCC)	1674.54	Villa Park Rd West of	0.000	26798	0.8
559.76	790.78	Average (of DGAC and PCC)	1851.07	Santiago Cyn Rd East	0.000	29623	1.6
520.59	735.44	Average (of DGAC and PCC)	1721.53	Santiago Cyn Rd East	0.000	27550	0.8
67.08	94.77	Average (of DGAC and PCC)	221.83	Orange Park Blvd South	0.000	3550	-0.6
368.10	520.01	Average (of DGAC and PCC)	1217.26	Serrano Ave East of	0.000	19480	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury	0.000	1000	-1.8
603.09	851.99	Average (of DGAC and PCC)	1994.35	Cannon St North of	0.000	31916	-2.4

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Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Existing With Project

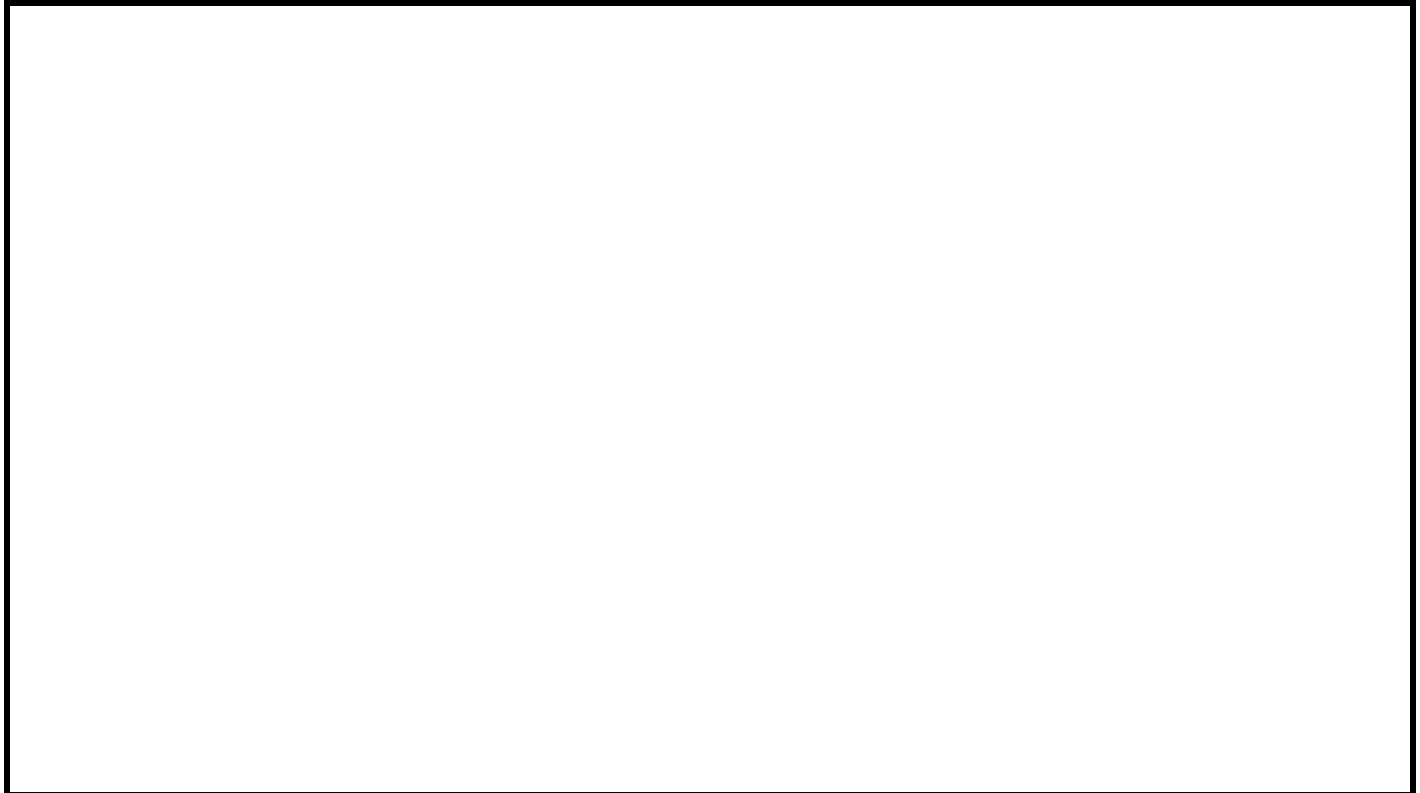
Name	Source type	I or A m,m <sup>2</sup>	L'w dB(A)	Lw dB(A)	Day histogram	Spectrum	31Hz dB(A)	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Aircraft	Line	2615.52	101.	135.	Aircraft	Aircraft - Vista	96.6	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8



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**Trails at Santiago Creek**  
**Assessed receiver levels - Year 2022 Baseline Conditions**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	68.6	66.0	61.2	61.4
02	GR	GF	SE	58.2	56.0	51.8	50.7
03	GR	GF	SE	57.4	55.2	51.1	49.8
04	GR	GF	SE	53.6	51.9	48.6	45.3
05	GR	GF	S	54.5	52.6	49.1	46.6
06	GR	GF	S	56.2	54.0	50.0	48.6
07	GR	GF	S	53.3	51.4	47.9	45.4
08	GR	GF	N	48.7	47.7	45.3	39.2
09	GR	GF	NW	50.2	49.1	46.7	40.8
10	GR	GF	W	52.1	50.4	47.1	43.8
11-School	GR	GF	NW	66.1	63.6	58.8	58.9
12	GR	GF	N	64.3	61.8	57.1	57.1
13	GR	GF	N	65.8	63.3	58.6	58.5
14	GR	GF	N	66.7	64.2	59.5	59.5
15	GR	GF	N	64.8	62.2	57.6	57.5



Trails at Santiago Creek  
Source level road - Year 2022 Baseline Conditions

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
799.25	1129.10	Average (of DGAC and PCC)	2643.03	Cannon St. North of Taft Ave.	0.000	42297	-1.8
177.51	250.77	Average (of DGAC and PCC)	587.01	Cannon St. South of Santiago Cyn Rd	0.000	9394	-3.6
544.27	768.89	Average (of DGAC and PCC)	1799.83	Villa Park Rd West of Cannon St.	0.000	28803	0.8
605.78	855.78	Average (of DGAC and PCC)	2003.22	Santiago Cyn Rd East of Cannon St	0.000	32058	1.6
563.67	796.30	Average (of DGAC and PCC)	1864.00	Santiago Cyn Rd East of Orange Park Blvd	0.000	29830	0.8
71.43	100.91	Average (of DGAC and PCC)	236.20	Orange Park Blvd South of Santiago Cyn	0.000	3780	-0.6
385.86	545.10	Average (of DGAC and PCC)	1275.99	Serrano Ave East of Cannon St	0.000	20420	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury Avenue	0.000	1000	-1.8
640.90	905.40	Average (of DGAC and PCC)	2119.39	Cannon St North of Santiago Cyn Rd	0.000	33917	-2.4

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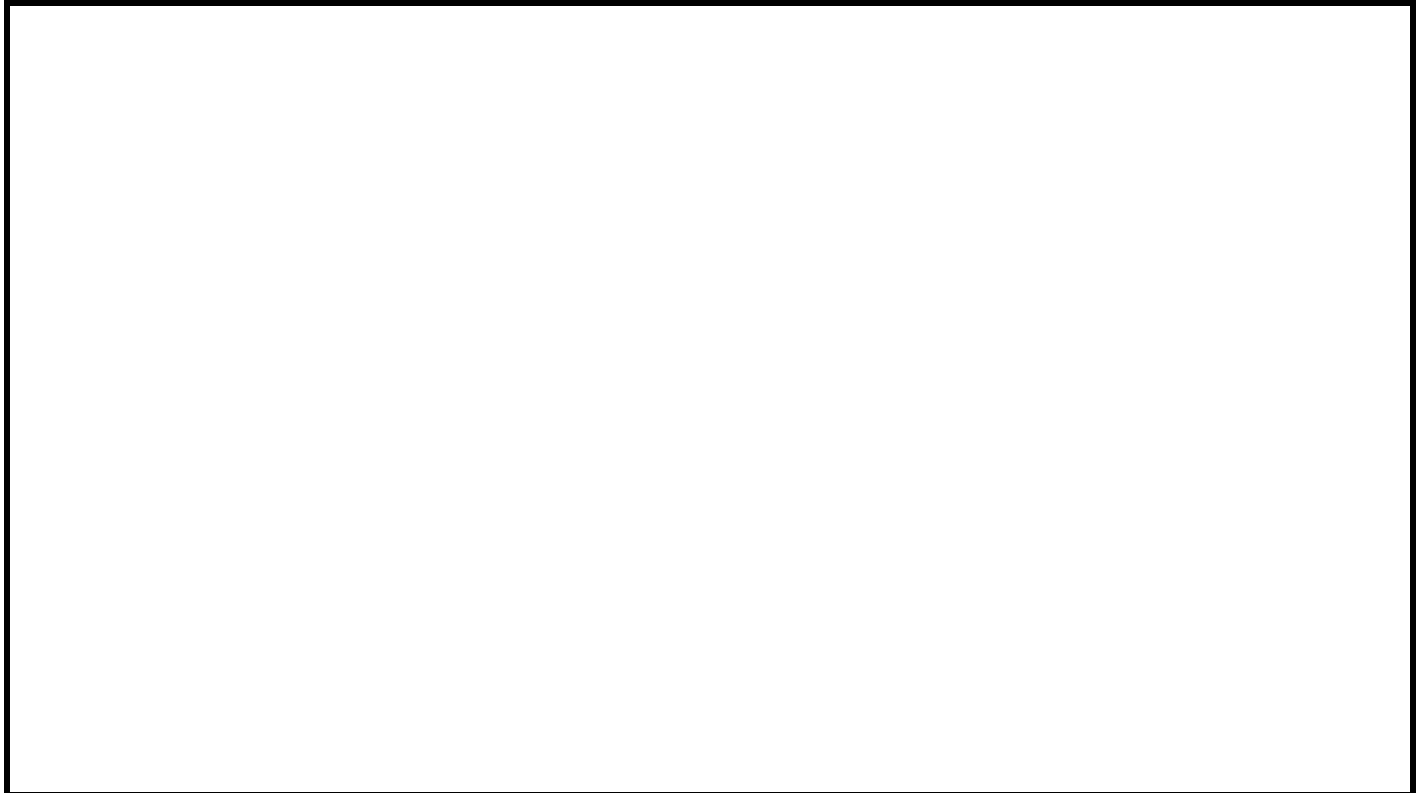
Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Year 2022 Baseline Conditions

Name	Source type	I or A	R'w	L'w	Lw	KI	KT	Day histogram	Spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m,m <sup>2</sup>	dB	dB(A)	dB(A)	dB	dB			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	2615.52	101.	135.	0.0	0.0	0.0	Aircraft	Aircraft - Vista	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8

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**Trails at Santiago Creek**  
**Assessed receiver levels - Year 2022 With Project Conditions**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	68.6	66.1	61.2	61.4
02	GR	GF	SE	58.2	56.0	51.8	50.7
03	GR	GF	SE	57.4	55.2	51.2	49.8
04	GR	GF	SE	53.6	51.9	48.6	45.4
05	GR	GF	S	54.6	52.6	49.1	46.6
06	GR	GF	S	56.2	54.0	50.0	48.6
07	GR	GF	S	53.3	51.4	47.9	45.4
08	GR	GF	N	48.7	47.7	45.3	39.2
09	GR	GF	NW	50.2	49.1	46.7	40.8
10	GR	GF	W	52.1	50.4	47.2	43.9
11-School	GR	GF	NW	66.2	63.6	58.9	58.9
12	GR	GF	N	64.4	61.8	57.1	57.1
13	GR	GF	N	65.9	63.3	58.6	58.6
14	GR	GF	N	66.8	64.2	59.5	59.5
15	GR	GF	N	64.8	62.3	57.6	57.6



Trails at Santiago Creek  
Source level road - Year 2022 With Project Conditions

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
801.16	1131.80	Average (of DGAC and PCC)	2649.35	Cannon St. North of Taft Ave.	0.000	42398	-1.8
178.55	252.24	Average (of DGAC and PCC)	590.44	Cannon St. South of Santiago Cyn Rd	0.000	9449	-3.6
548.69	775.13	Average (of DGAC and PCC)	1814.45	Villa Park Rd West of Cannon St.	0.000	29037	0.8
612.84	865.76	Average (of DGAC and PCC)	2026.59	Santiago Cyn Rd East of Cannon St	0.000	32432	1.6
570.74	806.29	Average (of DGAC and PCC)	1887.37	Santiago Cyn Rd East of Orange Park Blvd	0.000	30204	0.8
71.43	100.91	Average (of DGAC and PCC)	236.20	Orange Park Blvd South of Santiago Cyn	0.000	3780	-0.6
386.43	545.91	Average (of DGAC and PCC)	1277.87	Serrano Ave East of Cannon St	0.000	20450	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury Avenue	0.000	1000	-1.8
643.11	908.53	Average (of DGAC and PCC)	2126.70	Cannon St North of Santiago Cyn Rd	0.000	34034	-2.4

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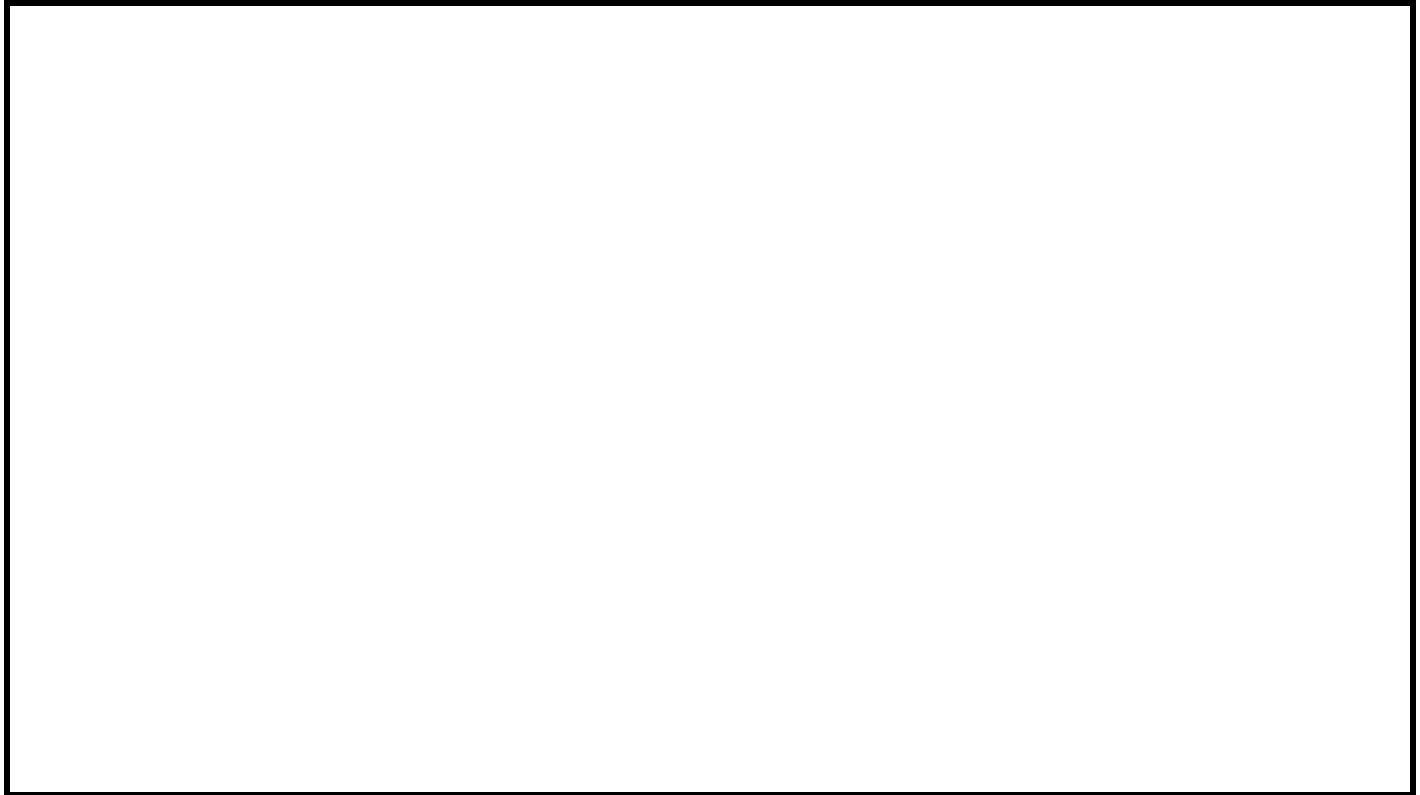
Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Year 2022 With Project Conditions

Name	Source type	I or A	L'w	Lw	KI	KT	Day histogram	Spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m,m <sup>2</sup>	dB(A)	dB(A)	dB	dB			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	2615.52	101.	135.	0.0	0.0	Aircraft	Aircraft - Vista	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8

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**Trails at Santiago Creek**  
**Assessed receiver levels - Year 2040 Baseline Conditions**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	70.1	67.6	62.7	62.9
02	GR	GF	SE	59.7	57.4	53.0	52.3
03	GR	GF	SE	58.9	56.6	52.3	51.4
04	GR	GF	SE	55.0	53.0	49.4	47.0
05	GR	GF	S	55.3	53.3	49.5	47.5
06	GR	GF	S	57.2	54.9	50.8	49.7
07	GR	GF	S	53.8	51.8	48.2	45.9
08	GR	GF	N	49.5	48.3	45.6	40.6
09	GR	GF	NW	51.1	49.8	47.1	42.2
10	GR	GF	W	53.4	51.5	47.9	45.5
11-School	GR	GF	NW	67.8	65.3	60.5	60.6
12	GR	GF	N	66.0	63.4	58.7	58.8
13	GR	GF	N	67.5	64.9	60.2	60.3
14	GR	GF	N	68.4	65.8	61.1	61.2
15	GR	GF	N	66.4	63.8	59.1	59.2



Trails at Santiago Creek  
Source level road - Year 2040 Baseline Conditions

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
1144.43	1616.74	Average (of DGAC and PCC)	3784.49	Cannon St. North of	0.000	60564	-1.8
186.39	263.32	Average (of DGAC and PCC)	616.38	Cannon St. South of	0.000	9864	-3.6
726.18	1025.88	Average (of DGAC and PCC)	2401.39	Villa Park Rd West of	0.000	38430	0.8
898.80	1269.73	Average (of DGAC and PCC)	2972.22	Santiago Cyn Rd East	0.000	47565	1.6
789.35	1115.12	Average (of DGAC and PCC)	2610.29	Santiago Cyn Rd East	0.000	41773	0.8
98.26	138.81	Average (of DGAC and PCC)	324.94	Orange Park Blvd South	0.000	5200	-0.6
538.92	761.33	Average (of DGAC and PCC)	1782.14	Serrano Ave East of	0.000	28520	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury	0.000	1000	-1.8
914.67	1292.16	Average (of DGAC and PCC)	3024.71	Cannon St North of	0.000	48405	-2.4

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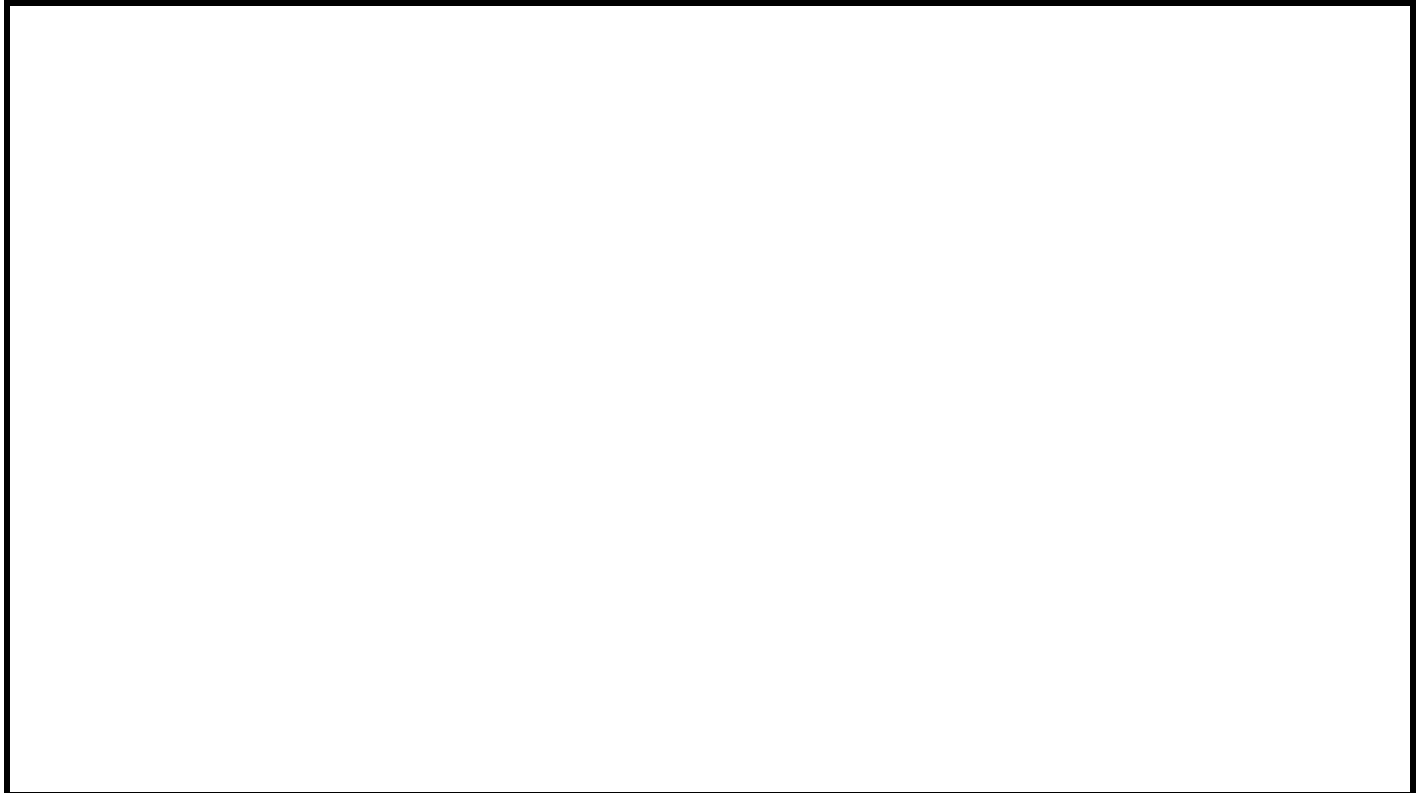
Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Year 2040 Baseline Conditions

Name	Source type	I or A	L'w	Lw	KI	KT	Day histogram	Spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m,m <sup>2</sup>	dB(A)	dB(A)	dB	dB			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	2615.52	101.	135.	0.0	0.0	Aircraft	Aircraft - Vista	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8

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**Trails at Santiago Creek**  
**Assessed receiver levels - Year 2040 With Project Conditions**

Name	Usage	Floor	Dir	Lden dB(A)	Ld dB(A)	Le dB(A)	Ln dB(A)
01	GR	GF	E	70.1	67.6	62.7	62.9
02	GR	GF	SE	59.8	57.4	53.0	52.3
03	GR	GF	SE	58.9	56.6	52.4	51.4
04	GR	GF	SE	55.0	53.1	49.5	47.1
05	GR	GF	S	55.3	53.3	49.6	47.5
06	GR	GF	S	57.2	55.0	50.8	49.7
07	GR	GF	S	53.8	51.8	48.2	46.0
08	GR	GF	N	49.5	48.3	45.6	40.6
09	GR	GF	NW	51.1	49.8	47.1	42.2
10	GR	GF	W	53.5	51.5	48.0	45.5
11-School	GR	GF	NW	67.8	65.3	60.5	60.6
12	GR	GF	N	66.0	63.5	58.8	58.8
13	GR	GF	N	67.5	65.0	60.2	60.3
14	GR	GF	N	68.5	65.9	61.1	61.2
15	GR	GF	N	66.4	63.9	59.2	59.2



Trails at Santiago Creek  
Source level road - Year 2040 With Project Conditions

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
1146.34	1619.43	Average (of DGAC and PCC)	3790.80	Cannon St. North of Taft Ave.	0.000	60665	-1.8
187.43	264.78	Average (of DGAC and PCC)	619.81	Cannon St. South of Santiago Cyn Rd	0.000	9919	-3.6
730.60	1032.12	Average (of DGAC and PCC)	2416.02	Villa Park Rd West of Cannon St.	0.000	38664	0.8
905.87	1279.72	Average (of DGAC and PCC)	2995.59	Santiago Cyn Rd East of Cannon St	0.000	47939	1.6
796.42	1125.10	Average (of DGAC and PCC)	2633.66	Santiago Cyn Rd East of Orange Park Blvd	0.000	42147	0.8
98.26	138.81	Average (of DGAC and PCC)	324.94	Orange Park Blvd South of Santiago Cyn	0.000	5200	-0.6
539.49	762.13	Average (of DGAC and PCC)	1784.02	Serrano Ave East of Cannon St	0.000	28550	0.0
18.90	26.69	Average (of DGAC and PCC)	62.49	Mt McKinley/Mabury Avenue	0.000	1000	-1.8
916.88	1295.28	Average (of DGAC and PCC)	3032.02	Cannon St North of Santiago Cyn Rd	0.000	48522	-2.4

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Trails at Santiago Creek  
 Octave spectra of the sources in dB(A) - Year 2040 With Project Conditions

Name	Source type	I or A	L'w	Lw	KI	KT	Day histogram	Spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m,m <sup>2</sup>	dB(A)	dB(A)	dB	dB			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	2615.52	101.	135.	0.0	0.0	Aircraft	Aircraft - Vista	111.7	123.6	129.5	132.1	129.2	119.7	107.1	95.1	86.8

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