Appendix I. 2007 Noise Modeling

Appendix

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Appendix I:
Noise Modeling

I.1 - Noise Modeling, Prepared by MBA - 2007

I.1 - Noise Modeling, Prepared by MBA - 2007

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldChandlerAM2019 Year 2019 Weekday

Location: Archibald Street at Chandler Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1882	184	60.6	57.8	53.3	48.8	44.3	39.8	35.2	30.7
Med Trucks	10	1	48.4	45.6	41.1	36.6	32.1	27.6	23.1	18.6
Hvy Trucks	10	1	52.8	50.0	45.5	41.0	36.5	32.0	27.4	22.9
TOTAL	1901	186	61.5	58.7	54.2	49.7	45.2	40.6	36.1	31.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1946	191	60.7	58.0	53.4	48.9	44.4	39.9	35.4	30.9
Med Trucks	10	1	48.5	45.8	41.3	36.8	32.2	27.7	23.2	18.7
Hvy Trucks	10	1	52.9	50.2	45.7	41.1	36.6	32.1	27.6	23.1
TOTAL	1966	193	61.6	58.9	54.3	49.8	45.3	40.8	36.3	31.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2035	199	60.9	58.2	53.6	49.1	44.6	40.1	35.6	31.1
Med Trucks	10	1	48.7	46.0	41.5	37.0	32.4	27.9	23.4	18.9
Hvy Trucks	10	1	53.1	50.4	45.9	41.3	36.8	32.3	27.8	23.3
TOTAL	2056	201	61.8	59.0	54.5	50.0	45.5	41.0	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	153	15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	155	15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CHANGE FROM FUTURE NO PROJECT										
Autos	89	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	90	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldChandlerAM2030 Year 2030 Weekday

Location: Archibald Street at Chandler Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1882	184	60.6	57.8	53.3	48.8	44.3	39.8	35.2	30.7
Med Trucks	10	1	48.4	45.6	41.1	36.6	32.1	27.6	23.1	18.6
Hvy Trucks	10	1	52.8	50.0	45.5	41.0	36.5	32.0	27.4	22.9
TOTAL	1901	186	61.5	58.7	54.2	49.7	45.2	40.6	36.1	31.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2177	213	61.2	58.5	53.9	49.4	44.9	40.4	35.9	31.4
Med Trucks	11	1	49.0	46.3	41.8	37.3	32.7	28.2	23.7	19.2
Hvy Trucks	11	1	53.4	50.7	46.1	41.6	37.1	32.6	28.1	23.6
TOTAL	2199	215	62.1	59.3	54.8	50.3	45.8	41.3	36.8	32.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2241	219	61.3	58.6	54.1	49.5	45.0	40.5	36.0	31.5
Med Trucks	11	1	49.2	46.4	41.9	37.4	32.9	28.3	23.8	19.3
Hvy Trucks	11	1	53.5	50.8	46.3	41.8	37.2	32.7	28.2	23.7
TOTAL	2264	222	62.2	59.5	55.0	50.4	45.9	41.4	36.9	32.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	359	35	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	363	36	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	65	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldChandlerPM2019 Year 2019 Weekday

Location: Archibald Street at Chandler Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1430	140	59.4	56.6	52.1	47.6	43.1	38.6	34.0	29.5
Med Trucks	7	1	47.2	44.5	39.9	35.4	30.9	26.4	21.9	17.4
Hvy Trucks	7	1	51.6	48.8	44.3	39.8	35.3	30.8	26.3	21.7
TOTAL	1444	141	60.3	57.5	53.0	48.5	44.0	39.5	34.9	30.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1561	153	59.8	57.0	52.5	48.0	43.5	38.9	34.4	29.9
Med Trucks	8	1	47.6	44.8	40.3	35.8	31.3	26.8	22.3	17.7
Hvy Trucks	8	1	52.0	49.2	44.7	40.2	35.7	31.2	26.6	22.1
TOTAL	1577	154	60.6	57.9	53.4	48.9	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1676	164	60.1	57.3	52.8	48.3	43.8	39.3	34.7	30.2
Med Trucks	8	1	47.9	45.1	40.6	36.1	31.6	27.1	22.6	18.1
Hvy Trucks	8	1	52.3	49.5	45.0	40.5	36.0	31.5	26.9	22.4
TOTAL	1693	166	60.9	58.2	53.7	49.2	44.7	40.1	35.6	31.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	247	24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Med Trucks	1	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hvy Trucks	1	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
TOTAL	249	24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
CHANGE FROM FUTURE NO PROJECT										
Autos	115	11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	116	11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldChandlerPM2030 Year 2030 Weekday

Location: Archibald Street at Chandler Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1430	140	59.4	56.6	52.1	47.6	43.1	38.6	34.0	29.5
Med Trucks	7	1	47.2	44.5	39.9	35.4	30.9	26.4	21.9	17.4
Hvy Trucks	7	1	51.6	48.8	44.3	39.8	35.3	30.8	26.3	21.7
TOTAL	1444	141	60.3	57.5	53.0	48.5	44.0	39.5	34.9	30.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2030	199	60.9	58.1	53.6	49.1	44.6	40.1	35.6	31.1
Med Trucks	10	1	48.7	46.0	41.5	36.9	32.4	27.9	23.4	18.9
Hvy Trucks	10	1	53.1	50.4	45.8	41.3	36.8	32.3	27.8	23.3
TOTAL	2050	201	61.8	59.0	54.5	50.0	45.5	41.0	36.5	31.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2072	203	61.0	58.2	53.7	49.2	44.7	40.2	35.7	31.1
Med Trucks	10	1	48.8	46.1	41.6	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	10	1	53.2	50.4	45.9	41.4	36.9	32.4	27.9	23.4
TOTAL	2093	205	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	643	63	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	3	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	3	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	649	64	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
CHANGE FROM FUTURE NO PROJECT										
Autos	43	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	43	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldRiverAM2019 Year 2019 Weekday

Location: Archibald Street at River Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1577	154	59.8	57.1	52.5	48.0	43.5	39.0	34.5	30.0
Med Trucks	8	1	47.6	44.9	40.4	35.8	31.3	26.8	22.3	17.8
Hvy Trucks	8	1	52.0	49.3	44.7	40.2	35.7	31.2	26.7	22.2
TOTAL	1593	156	60.7	57.9	53.4	48.9	44.4	39.9	35.4	30.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1841	180	60.5	57.7	53.2	48.7	44.2	39.7	35.1	30.6
Med Trucks	9	1	48.3	45.6	41.0	36.5	32.0	27.5	23.0	18.5
Hvy Trucks	9	1	52.7	49.9	45.4	40.9	36.4	31.9	27.4	22.8
TOTAL	1860	182	61.4	58.6	54.1	49.6	45.1	40.6	36.0	31.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1906	187	60.6	57.9	53.4	48.8	44.3	39.8	35.3	30.8
Med Trucks	10	1	48.4	45.7	41.2	36.7	32.2	27.6	23.1	18.6
Hvy Trucks	10	1	52.8	50.1	45.6	41.0	36.5	32.0	27.5	23.0
TOTAL	1925	188	61.5	58.8	54.2	49.7	45.2	40.7	36.2	31.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	329	32	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	332	33	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	65	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldRiverAM2030 Year 2030 Weekday

Location: Archibald Street at River Road

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	23	46	(meters) 91	183	366	732	1463
EXISTING (2007)										
Autos	1577	154	59.8	57.1	52.5	48.0	43.5	39.0	34.5	30.0
Med Trucks	8	1	47.6	44.9	40.4	35.8	31.3	26.8	22.3	17.8
Hvy Trucks	8	1	52.0	49.3	44.7	40.2	35.7	31.2	26.7	22.2
TOTAL	1593	156	60.7	57.9	53.4	48.9	44.4	39.9	35.4	30.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2776	272	62.3	59.5	55.0	50.5	46.0	41.4	36.9	32.4
Med Trucks	14	1	50.1	47.3	42.8	38.3	33.8	29.3	24.8	20.2
Hvy Trucks	14	1	54.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	2804	275	63.1	60.4	55.9	51.4	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2865	281	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.6
Med Trucks	14	1	50.2	47.5	43.0	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.9	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2894	283	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1288	126	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Med Trucks	7	1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Hvy Trucks	7	1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
TOTAL	1301	127	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CHANGE FROM FUTURE NO PROJECT										
Autos	89	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	90	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldRiverPM2019 Year 2019 Weekday

Location: Archibald Street at River Road

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1599	157	59.9	57.1	52.6	48.1	43.6	39.0	34.5	30.0
Med Trucks	8	1	47.7	44.9	40.4	35.9	31.4	26.9	22.4	17.8
Hvy Trucks	8	1	52.1	49.3	44.8	40.3	35.8	31.3	26.7	22.2
TOTAL	1615	158	60.7	58.0	53.5	49.0	44.5	39.9	35.4	30.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1959	192	60.7	58.0	53.5	49.0	44.4	39.9	35.4	30.9
Med Trucks	10	1	48.6	45.8	41.3	36.8	32.3	27.8	23.2	18.7
Hvy Trucks	10	1	52.9	50.2	45.7	41.2	36.7	32.1	27.6	23.1
TOTAL	1979	194	61.6	58.9	54.4	49.9	45.3	40.8	36.3	31.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2041	200	60.9	58.2	53.7	49.1	44.6	40.1	35.6	31.1
Med Trucks	10	1	48.7	46.0	41.5	37.0	32.5	27.9	23.4	18.9
Hvy Trucks	10	1	53.1	50.4	45.9	41.3	36.8	32.3	27.8	23.3
TOTAL	2062	202	61.8	59.1	54.5	50.0	45.5	41.0	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	443	43	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Med Trucks	2	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Hvy Trucks	2	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOTAL	447	44	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CHANGE FROM FUTURE NO PROJECT										
Autos	82	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	83	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldRiverPM2030 Year 2030 Weekday

Location: Archibald Street at River Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1599	157	59.9	57.1	52.6	48.1	43.6	39.0	34.5	30.0
Med Trucks	8	1	47.7	44.9	40.4	35.9	31.4	26.9	22.4	17.8
Hvy Trucks	8	1	52.1	49.3	44.8	40.3	35.8	31.3	26.7	22.2
TOTAL	1615	158	60.7	58.0	53.5	49.0	44.5	39.9	35.4	30.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3236	317	62.9	60.2	55.7	51.1	46.6	42.1	37.6	33.1
Med Trucks	16	2	50.7	48.0	43.5	39.0	34.5	29.9	25.4	20.9
Hvy Trucks	16	2	55.1	52.4	47.9	43.3	38.8	34.3	29.8	25.3
TOTAL	3269	320	63.8	61.1	56.5	52.0	47.5	43.0	38.5	34.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3330	326	63.0	60.3	55.8	51.3	46.8	42.2	37.7	33.2
Med Trucks	17	2	50.9	48.1	43.6	39.1	34.6	30.1	25.6	21.0
Hvy Trucks	17	2	55.2	52.5	48.0	43.5	39.0	34.4	29.9	25.4
TOTAL	3364	329	63.9	61.2	56.7	52.2	47.6	43.1	38.6	34.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1732	170	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Med Trucks	9	1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Hvy Trucks	9	1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	1749	171	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CHANGE FROM FUTURE NO PROJECT										
Autos	94	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	95	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldSchleismanAM2019 Year 2019 Weekday

Location: Archibald Street at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1819	178	60.4	57.7	53.2	48.6	44.1	39.6	35.1	30.6
Med Trucks	9	1	48.2	45.5	41.0	36.5	32.0	27.4	22.9	18.4
Hvy Trucks	9	1	52.6	49.9	45.4	40.8	36.3	31.8	27.3	22.8
TOTAL	1837	180	61.3	58.6	54.0	49.5	45.0	40.5	36.0	31.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2266	222	61.4	58.6	54.1	49.6	45.1	40.6	36.0	31.5
Med Trucks	11	1	49.2	46.5	41.9	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	11	1	53.6	50.8	46.3	41.8	37.3	32.8	28.3	23.7
TOTAL	2289	224	62.3	59.5	55.0	50.5	46.0	41.5	36.9	32.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2362	231	61.6	58.8	54.3	49.8	45.3	40.7	36.2	31.7
Med Trucks	12	1	49.4	46.6	42.1	37.6	33.1	28.6	24.1	19.5
Hvy Trucks	12	1	53.8	51.0	46.5	42.0	37.5	33.0	28.4	23.9
TOTAL	2386	234	62.4	59.7	55.2	50.7	46.1	41.6	37.1	32.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	544	53	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Med Trucks	3	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Hvy Trucks	3	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOTAL	549	54	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CHANGE FROM FUTURE NO PROJECT										
Autos	96	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	97	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldSchleismanAM2030 Year 2030 Weekday

Location: Archibald Street at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	1819	178	60.4	57.7	53.2	48.6	44.1	39.6	35.1	30.6
Med Trucks	9	1	48.2	45.5	41.0	36.5	32.0	27.4	22.9	18.4
Hvy Trucks	9	1	52.6	49.9	45.4	40.8	36.3	31.8	27.3	22.8
TOTAL	1837	180	61.3	58.6	54.0	49.5	45.0	40.5	36.0	31.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3851	377	63.7	60.9	56.4	51.9	47.4	42.9	38.4	33.8
Med Trucks	19	2	51.5	48.8	44.2	39.7	35.2	30.7	26.2	21.7
Hvy Trucks	19	2	55.9	53.1	48.6	44.1	39.6	35.1	30.6	26.0
TOTAL	3890	381	64.6	61.8	57.3	52.8	48.3	43.8	39.2	34.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3920	384	63.8	61.0	56.5	52.0	47.5	42.9	38.4	33.9
Med Trucks	20	2	51.6	48.8	44.3	39.8	35.3	30.8	26.3	21.7
Hvy Trucks	20	2	56.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
TOTAL	3960	388	64.6	61.9	57.4	52.9	48.3	43.8	39.3	34.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2102	206	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Med Trucks	11	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Hvy Trucks	11	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
TOTAL	2123	208	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
CHANGE FROM FUTURE NO PROJECT										
Autos	69	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	70	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldSchleismanPM2019 Year 2019 Weekday

Location: Archibald Street at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1717	168	60.2	57.4	52.9	48.4	43.9	39.4	34.8	30.3
Med Trucks	9	1	48.0	45.2	40.7	36.2	31.7	27.2	22.7	18.2
Hvy Trucks	9	1	52.4	49.6	45.1	40.6	36.1	31.6	27.0	22.5
TOTAL	1734	170	61.1	58.3	53.8	49.3	44.8	40.2	35.7	31.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2345	230	61.5	58.8	54.3	49.7	45.2	40.7	36.2	31.7
Med Trucks	12	1	49.3	46.6	42.1	37.6	33.1	28.5	24.0	19.5
Hvy Trucks	12	1	53.7	51.0	46.5	42.0	37.4	32.9	28.4	23.9
TOTAL	2369	232	62.4	59.7	55.1	50.6	46.1	41.6	37.1	32.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2469	242	61.7	59.0	54.5	50.0	45.5	40.9	36.4	31.9
Med Trucks	12	1	49.6	46.8	42.3	37.8	33.3	28.8	24.3	19.7
Hvy Trucks	12	1	54.0	51.2	46.7	42.2	37.7	33.1	28.6	24.1
TOTAL	2494	244	62.6	59.9	55.4	50.9	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	752	74	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	4	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	4	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	760	74	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
CHANGE FROM FUTURE NO PROJECT										
Autos	124	12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	125	12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ArchibaldSchleismanPM2030 Year 2030 Weekday

Location: Archibald Street at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1717	168	60.2	57.4	52.9	48.4	43.9	39.4	34.8	30.3
Med Trucks	9	1	48.0	45.2	40.7	36.2	31.7	27.2	22.7	18.2
Hvy Trucks	9	1	52.4	49.6	45.1	40.6	36.1	31.6	27.0	22.5
TOTAL	1734	170	61.1	58.3	53.8	49.3	44.8	40.2	35.7	31.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4573	448	64.4	61.7	57.2	52.6	48.1	43.6	39.1	34.6
Med Trucks	23	2	52.2	49.5	45.0	40.5	36.0	31.4	26.9	22.4
Hvy Trucks	23	2	56.6	53.9	49.4	44.9	40.3	35.8	31.3	26.8
TOTAL	4619	452	65.3	62.6	58.0	53.5	49.0	44.5	40.0	35.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4659	456	64.5	61.8	57.2	52.7	48.2	43.7	39.2	34.7
Med Trucks	24	2	52.3	49.6	45.1	40.6	36.0	31.5	27.0	22.5
Hvy Trucks	24	2	56.7	54.0	49.4	44.9	40.4	35.9	31.4	26.9
TOTAL	4706	461	65.4	62.6	58.1	53.6	49.1	44.6	40.1	35.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2942	288	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Med Trucks	15	1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Hvy Trucks	15	1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
TOTAL	2972	291	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
CHANGE FROM FUTURE NO PROJECT										
Autos	86	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	87	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralElPradoAM2019 Year 2019 Weekday

Location: Central Avenue at El Prado Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2123	208	61.1	58.3	53.8	49.3	44.8	40.3	35.8	31.2
Med Trucks	11	1	48.9	46.2	41.7	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	11	1	53.3	50.5	46.0	41.5	37.0	32.5	28.0	23.5
TOTAL	2144	210	62.0	59.2	54.7	50.2	45.7	41.2	36.7	32.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2707	265	62.1	59.4	54.9	50.4	45.9	41.3	36.8	32.3
Med Trucks	14	1	50.0	47.2	42.7	38.2	33.7	29.2	24.6	20.1
Hvy Trucks	14	1	54.3	51.6	47.1	42.6	38.1	33.5	29.0	24.5
TOTAL	2734	268	63.0	60.3	55.8	51.3	46.7	42.2	37.7	33.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2732	268	62.2	59.4	54.9	50.4	45.9	41.4	36.9	32.3
Med Trucks	14	1	50.0	47.3	42.8	38.2	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.6	47.1	42.6	38.1	33.6	29.1	24.6
TOTAL	2760	270	63.1	60.3	55.8	51.3	46.8	42.3	37.7	33.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	610	60	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Med Trucks	3	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Hvy Trucks	3	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOTAL	616	60	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	26	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralElPradoAM2030 Year 2030 Weekday

Location: Central Avenue at El Prado Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2123	208	61.1	58.3	53.8	49.3	44.8	40.3	35.8	31.2
Med Trucks	11	1	48.9	46.2	41.7	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	11	1	53.3	50.5	46.0	41.5	37.0	32.5	28.0	23.5
TOTAL	2144	210	62.0	59.2	54.7	50.2	45.7	41.2	36.7	32.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3745	367	63.6	60.8	56.3	51.8	47.3	42.7	38.2	33.7
Med Trucks	19	2	51.4	48.6	44.1	39.6	35.1	30.6	26.1	21.5
Hvy Trucks	19	2	55.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
TOTAL	3783	370	64.4	61.7	57.2	52.7	48.1	43.6	39.1	34.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3752	367	63.6	60.8	56.3	51.8	47.3	42.8	38.2	33.7
Med Trucks	19	2	51.4	48.6	44.1	39.6	35.1	30.6	26.1	21.6
Hvy Trucks	19	2	55.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
TOTAL	3790	371	64.4	61.7	57.2	52.7	48.2	43.6	39.1	34.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1630	160	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Med Trucks	8	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Hvy Trucks	8	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
TOTAL	1646	161	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralElPradoPM2019 Year 2019 Weekday

Location: Central Avenue at El Prado Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2117	207	61.1	58.3	53.8	49.3	44.8	40.3	35.8	31.2
Med Trucks	11	1	48.9	46.2	41.6	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	11	1	53.3	50.5	46.0	41.5	37.0	32.5	28.0	23.4
TOTAL	2138	209	62.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2828	277	62.3	59.6	55.1	50.6	46.0	41.5	37.0	32.5
Med Trucks	14	1	50.2	47.4	42.9	38.4	33.9	29.4	24.8	20.3
Hvy Trucks	14	1	54.5	51.8	47.3	42.8	38.2	33.7	29.2	24.7
TOTAL	2857	280	63.2	60.5	56.0	51.4	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2861	280	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.5
Med Trucks	14	1	50.2	47.5	43.0	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.8	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2890	283	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	744	73	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Med Trucks	4	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Hvy Trucks	4	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTAL	752	74	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
CHANGE FROM FUTURE NO PROJECT										
Autos	33	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	33	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralElPradoPM2030 Year 2030 Weekday

Location: Central Avenue at El Prado Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2117	207	61.1	58.3	53.8	49.3	44.8	40.3	35.8	31.2
Med Trucks	11	1	48.9	46.2	41.6	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	11	1	53.3	50.5	46.0	41.5	37.0	32.5	28.0	23.4
TOTAL	2138	209	62.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3956	387	63.8	61.0	56.5	52.0	47.5	43.0	38.5	34.0
Med Trucks	20	2	51.6	48.9	44.4	39.8	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.3	48.7	44.2	39.7	35.2	30.7	26.2
TOTAL	3996	391	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3965	388	63.8	61.1	56.5	52.0	47.5	43.0	38.5	34.0
Med Trucks	20	2	51.6	48.9	44.4	39.9	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.3	48.7	44.2	39.7	35.2	30.7	26.2
TOTAL	4005	392	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1848	181	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Med Trucks	9	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Hvy Trucks	9	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL	1867	183	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71NBAM2019 Year 2019 Weekday

Location: Central Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2978	292	62.6	59.8	55.3	50.8	46.3	41.7	37.2	32.7
Med Trucks	15	1	50.4	47.6	43.1	38.6	34.1	29.6	25.1	20.5
Hvy Trucks	15	1	54.8	52.0	47.5	43.0	38.5	34.0	29.4	24.9
TOTAL	3008	295	63.4	60.7	56.2	51.7	47.2	42.6	38.1	33.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3625	355	63.4	60.7	56.2	51.6	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.2	48.5	44.0	39.5	34.9	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.8	39.3	34.8	30.3	25.8
TOTAL	3662	359	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3630	355	63.4	60.7	56.2	51.6	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.2	48.5	44.0	39.5	35.0	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.8	39.3	34.8	30.3	25.8
TOTAL	3667	359	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	652	64	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Med Trucks	3	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Hvy Trucks	3	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL	659	65	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CHANGE FROM FUTURE NO PROJECT										
Autos	5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71NBAM2030 Year 2030 Weekday

Location: Central Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	2978	292	62.6	59.8	55.3	50.8	46.3	41.7	37.2	32.7
Med Trucks	15	1	50.4	47.6	43.1	38.6	34.1	29.6	25.1	20.5
Hvy Trucks	15	1	54.8	52.0	47.5	43.0	38.5	34.0	29.4	24.9
TOTAL	3008	295	63.4	60.7	56.2	51.7	47.2	42.6	38.1	33.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4207	412	64.1	61.3	56.8	52.3	47.8	43.3	38.7	34.2
Med Trucks	21	2	51.9	49.1	44.6	40.1	35.6	31.1	26.6	22.0
Hvy Trucks	21	2	56.3	53.5	49.0	44.5	40.0	35.5	30.9	26.4
TOTAL	4249	416	64.9	62.2	57.7	53.2	48.7	44.1	39.6	35.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4211	412	64.1	61.3	56.8	52.3	47.8	43.3	38.7	34.2
Med Trucks	21	2	51.9	49.1	44.6	40.1	35.6	31.1	26.6	22.1
Hvy Trucks	21	2	56.3	53.5	49.0	44.5	40.0	35.5	30.9	26.4
TOTAL	4254	417	64.9	62.2	57.7	53.2	48.7	44.1	39.6	35.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1234	121	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Med Trucks	6	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Hvy Trucks	6	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
TOTAL	1246	122	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
CHANGE FROM FUTURE NO PROJECT										
Autos	5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71NBPM2019 Year 2019 Weekday

Location: Central Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2912	285	62.5	59.7	55.2	50.7	46.2	41.7	37.1	32.6
Med Trucks	15	1	50.3	47.5	43.0	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	51.9	47.4	42.9	38.4	33.9	29.3	24.8
TOTAL	2941	288	63.3	60.6	56.1	51.6	47.1	42.5	38.0	33.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3630	355	63.4	60.7	56.2	51.6	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.2	48.5	44.0	39.5	35.0	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.8	39.3	34.8	30.3	25.8
TOTAL	3667	359	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3633	356	63.4	60.7	56.2	51.6	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.3	48.5	44.0	39.5	35.0	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.9	39.3	34.8	30.3	25.8
TOTAL	3670	359	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	722	71	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	729	71	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHANGE FROM FUTURE NO PROJECT										
Autos	3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71NBPM2030 Year 2030 Weekday

Location: Central Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2912	285	62.5	59.7	55.2	50.7	46.2	41.7	37.1	32.6
Med Trucks	15	1	50.3	47.5	43.0	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	51.9	47.4	42.9	38.4	33.9	29.3	24.8
TOTAL	2941	288	63.3	60.6	56.1	51.6	47.1	42.5	38.0	33.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4271	418	64.1	61.4	56.9	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.6	40.0	35.5	31.0	26.5
TOTAL	4314	422	65.0	62.3	57.8	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4274	418	64.1	61.4	56.9	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.6	40.0	35.5	31.0	26.5
TOTAL	4317	423	65.0	62.3	57.8	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1362	133	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Med Trucks	7	1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Hvy Trucks	7	1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTAL	1376	135	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
CHANGE FROM FUTURE NO PROJECT										
Autos	3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71SBAM2019 Year 2019 Weekday

Location: Central Avenue at SR-71 Southbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2935	287	62.5	59.7	55.2	50.7	46.2	41.7	37.2	32.7
Med Trucks	15	1	50.3	47.6	43.1	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	52.0	47.4	42.9	38.4	33.9	29.4	24.9
TOTAL	2965	290	63.4	60.6	56.1	51.6	47.1	42.6	38.1	33.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3557	348	63.3	60.6	56.1	51.6	47.0	42.5	38.0	33.5
Med Trucks	18	2	51.2	48.4	43.9	39.4	34.9	30.4	25.8	21.3
Hvy Trucks	18	2	55.5	52.8	48.3	43.8	39.2	34.7	30.2	25.7
TOTAL	3593	352	64.2	61.5	57.0	52.4	47.9	43.4	38.9	34.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3563	349	63.3	60.6	56.1	51.6	47.0	42.5	38.0	33.5
Med Trucks	18	2	51.2	48.4	43.9	39.4	34.9	30.4	25.8	21.3
Hvy Trucks	18	2	55.5	52.8	48.3	43.8	39.3	34.7	30.2	25.7
TOTAL	3599	352	64.2	61.5	57.0	52.4	47.9	43.4	38.9	34.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	628	61	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	3	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	3	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	634	62	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
CHANGE FROM FUTURE NO PROJECT										
Autos	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71SBAM2030 Year 2030 Weekday

Location: Central Avenue at SR-71 Southbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2935	287	62.5	59.7	55.2	50.7	46.2	41.7	37.2	32.7
Med Trucks	15	1	50.3	47.6	43.1	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	52.0	47.4	42.9	38.4	33.9	29.4	24.9
TOTAL	2965	290	63.4	60.6	56.1	51.6	47.1	42.6	38.1	33.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4452	436	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Med Trucks	22	2	52.1	49.4	44.9	40.4	35.8	31.3	26.8	22.3
Hvy Trucks	22	2	56.5	53.8	49.3	44.7	40.2	35.7	31.2	26.7
TOTAL	4497	440	65.2	62.4	57.9	53.4	48.9	44.4	39.9	35.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4459	437	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Med Trucks	23	2	52.1	49.4	44.9	40.4	35.8	31.3	26.8	22.3
Hvy Trucks	23	2	56.5	53.8	49.3	44.7	40.2	35.7	31.2	26.7
TOTAL	4504	441	65.2	62.5	57.9	53.4	48.9	44.4	39.9	35.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1524	149	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	8	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	8	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	1539	151	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71SBPM2019 Year 2019 Weekday

Location: Central Avenue at SR-71 Southbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	3275	321	63.0	60.2	55.7	51.2	46.7	42.2	37.6	33.1
Med Trucks	17	2	50.8	48.1	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
TOTAL	3308	324	63.9	61.1	56.6	52.1	47.6	43.1	38.5	34.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3960	388	63.8	61.0	56.5	52.0	47.5	43.0	38.5	34.0
Med Trucks	20	2	51.6	48.9	44.4	39.8	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.3	48.7	44.2	39.7	35.2	30.7	26.2
TOTAL	4000	392	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3968	389	63.8	61.1	56.5	52.0	47.5	43.0	38.5	34.0
Med Trucks	20	2	51.6	48.9	44.4	39.9	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.3	48.8	44.2	39.7	35.2	30.7	26.2
TOTAL	4008	392	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	693	68	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	4	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	4	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	700	69	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
CHANGE FROM FUTURE NO PROJECT										
Autos	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CentralSR71SBPM2030 Year 2030 Weekday

Location: Central Avenue at SR-71 Southbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	3275	321	63.0	60.2	55.7	51.2	46.7	42.2	37.6	33.1
Med Trucks	17	2	50.8	48.1	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
TOTAL	3308	324	63.9	61.1	56.6	52.1	47.6	43.1	38.5	34.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4961	486	64.8	62.0	57.5	53.0	48.5	44.0	39.5	34.9
Med Trucks	25	2	52.6	49.9	45.3	40.8	36.3	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.2	31.7	27.1
TOTAL	5011	491	65.7	62.9	58.4	53.9	49.4	44.9	40.3	35.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4970	487	64.8	62.0	57.5	53.0	48.5	44.0	39.5	34.9
Med Trucks	25	2	52.6	49.9	45.4	40.8	36.3	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.2	31.7	27.2
TOTAL	5020	492	65.7	62.9	58.4	53.9	49.4	44.9	40.3	35.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1695	166	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	1712	168	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ChinoCoronaMillCrkPineAM2019 Year 2019 Weekday

Location: Chino Corona Road/Mill Creek Road at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	1348	132	56.4	54.6	50.1	45.5	41.0	36.5	32.0	27.5
Med Trucks	7	1	44.6	42.8	38.3	33.8	29.3	24.8	20.2	15.7
Hvy Trucks	7	1	49.9	48.1	43.6	39.1	34.5	30.0	25.5	21.0
TOTAL	1362	133	57.5	55.7	51.2	46.7	42.1	37.6	33.1	28.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1947	191	58.0	56.2	51.7	47.1	42.6	38.1	33.6	29.1
Med Trucks	10	1	46.2	44.4	39.9	35.4	30.9	26.4	21.8	17.3
Hvy Trucks	10	1	51.5	49.7	45.2	40.7	36.1	31.6	27.1	22.6
TOTAL	1967	193	59.1	57.3	52.8	48.3	43.7	39.2	34.7	30.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2421	237	58.9	57.1	52.6	48.1	43.6	39.1	34.5	30.0
Med Trucks	12	1	47.2	45.4	40.8	36.3	31.8	27.3	22.8	18.3
Hvy Trucks	12	1	52.4	50.6	46.1	41.6	37.1	32.6	28.1	23.5
TOTAL	2445	239	60.0	58.2	53.7	49.2	44.7	40.2	35.7	31.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1072	105	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Med Trucks	5	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Hvy Trucks	5	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
TOTAL	1083	106	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CHANGE FROM FUTURE NO PROJECT										
Autos	473	46	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Med Trucks	2	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Hvy Trucks	2	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL	478	47	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ChinoCoronaMillCrkPineAM2030 Year 2030 Weekday

Location: Chino Corona Road/Mill Creek Road at Pine Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	1348	132	56.4	54.6	50.1	45.5	41.0	36.5	32.0	27.5
Med Trucks	7	1	44.6	42.8	38.3	33.8	29.3	24.8	20.2	15.7
Hvy Trucks	7	1	49.9	48.1	43.6	39.1	34.5	30.0	25.5	21.0
TOTAL	1362	133	57.5	55.7	51.2	46.7	42.1	37.6	33.1	28.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3449	338	60.5	58.7	54.1	49.6	45.1	40.6	36.1	31.6
Med Trucks	17	2	48.7	46.9	42.4	37.9	33.3	28.8	24.3	19.8
Hvy Trucks	17	2	54.0	52.2	47.7	43.1	38.6	34.1	29.6	25.1
TOTAL	3484	341	61.6	59.8	55.3	50.7	46.2	41.7	37.2	32.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3724	365	60.8	59.0	54.5	50.0	45.4	40.9	36.4	31.9
Med Trucks	19	2	49.0	47.2	42.7	38.2	33.7	29.2	24.7	20.1
Hvy Trucks	19	2	54.3	52.5	48.0	43.5	39.0	34.4	29.9	25.4
TOTAL	3762	368	61.9	60.1	55.6	51.1	46.6	42.0	37.5	33.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2376	233	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Med Trucks	12	1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Hvy Trucks	12	1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	2400	235	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
CHANGE FROM FUTURE NO PROJECT										
Autos	275	27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	278	27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ChinoCoronaMillCrkPinePM2019 Year 2019 Weekday

Location: Chino Corona Road/Mill Creek Road at Pine Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	1481	145	56.8	55.0	50.5	46.0	41.4	36.9	32.4	27.9
Med Trucks	7	1	45.0	43.2	38.7	34.2	29.7	25.2	20.6	16.1
Hvy Trucks	7	1	50.3	48.5	44.0	39.5	35.0	30.4	25.9	21.4
TOTAL	1496	146	57.9	56.1	51.6	47.1	42.6	38.0	33.5	29.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2261	221	58.6	56.8	52.3	47.8	43.3	38.8	34.2	29.7
Med Trucks	11	1	46.9	45.1	40.5	36.0	31.5	27.0	22.5	18.0
Hvy Trucks	11	1	52.2	50.3	45.8	41.3	36.8	32.3	27.8	23.2
TOTAL	2284	224	59.7	57.9	53.4	48.9	44.4	39.9	35.4	30.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2855	280	59.7	57.8	53.3	48.8	44.3	39.8	35.3	30.7
Med Trucks	14	1	47.9	46.1	41.6	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	14	1	53.2	51.4	46.8	42.3	37.8	33.3	28.8	24.3
TOTAL	2884	282	60.8	58.9	54.4	49.9	45.4	40.9	36.4	31.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1374	135	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	7	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	7	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	1388	136	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	594	58	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	3	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	3	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	600	59	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ChinoCoronaMillCrkPinePM2030 Year 2030 Weekday

Location: Chino Corona Road/Mill Creek Road at Pine Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	(meters) 79	158	317	634	1268
EXISTING (2007)										
Autos	1481	145	56.8	55.0	50.5	46.0	41.4	36.9	32.4	27.9
Med Trucks	7	1	45.0	43.2	38.7	34.2	29.7	25.2	20.6	16.1
Hvy Trucks	7	1	50.3	48.5	44.0	39.5	35.0	30.4	25.9	21.4
TOTAL	1496	146	57.9	56.1	51.6	47.1	42.6	38.0	33.5	29.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4171	408	61.3	59.5	55.0	50.5	45.9	41.4	36.9	32.4
Med Trucks	21	2	49.5	47.7	43.2	38.7	34.2	29.7	25.1	20.6
Hvy Trucks	21	2	54.8	53.0	48.5	44.0	39.5	34.9	30.4	25.9
TOTAL	4213	413	62.4	60.6	56.1	51.6	47.0	42.5	38.0	33.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4590	449	61.7	59.9	55.4	50.9	46.4	41.8	37.3	32.8
Med Trucks	23	2	49.9	48.1	43.6	39.1	34.6	30.1	25.6	21.0
Hvy Trucks	23	2	55.2	53.4	48.9	44.4	39.9	35.4	30.8	26.3
TOTAL	4636	454	62.8	61.0	56.5	52.0	47.5	42.9	38.4	33.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3109	304	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Med Trucks	16	2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Hvy Trucks	16	2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
TOTAL	3140	307	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
CHANGE FROM FUTURE NO PROJECT										
Autos	419	41	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	2	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	2	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	423	41	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ClevelandSchleismanAM2019 Year 2019 Weekday

Location: Cleveland Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	815	80	54.2	52.4	47.9	43.4	38.8	34.3	29.8	25.3
Med Trucks	4	0	42.4	40.6	36.1	31.6	27.1	22.6	18.1	13.5
Hvy Trucks	4	0	47.7	45.9	41.4	36.9	32.4	27.8	23.3	18.8
TOTAL	823	81	55.3	53.5	49.0	44.5	40.0	35.4	30.9	26.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1267	124	56.1	54.3	49.8	45.3	40.8	36.2	31.7	27.2
Med Trucks	6	1	44.4	42.5	38.0	33.5	29.0	24.5	20.0	15.5
Hvy Trucks	6	1	49.6	47.8	43.3	38.8	34.3	29.8	25.2	20.7
TOTAL	1280	125	57.2	55.4	50.9	46.4	41.9	37.4	32.8	28.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1325	130	56.3	54.5	50.0	45.5	41.0	36.4	31.9	27.4
Med Trucks	7	1	44.6	42.7	38.2	33.7	29.2	24.7	20.2	15.6
Hvy Trucks	7	1	49.8	48.0	43.5	39.0	34.5	30.0	25.4	20.9
TOTAL	1338	131	57.4	55.6	51.1	46.6	42.1	37.6	33.0	28.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	510	50	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Med Trucks	3	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Hvy Trucks	3	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TOTAL	515	50	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
CHANGE FROM FUTURE NO PROJECT										
Autos	57	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	58	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ClevelandSchleismanAM2030 Year 2030 Weekday

Location: Cleveland Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	815	80	54.2	52.4	47.9	43.4	38.8	34.3	29.8	25.3
Med Trucks	4	0	42.4	40.6	36.1	31.6	27.1	22.6	18.1	13.5
Hvy Trucks	4	0	47.7	45.9	41.4	36.9	32.4	27.8	23.3	18.8
TOTAL	823	81	55.3	53.5	49.0	44.5	40.0	35.4	30.9	26.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2864	280	59.7	57.9	53.3	48.8	44.3	39.8	35.3	30.8
Med Trucks	14	1	47.9	46.1	41.6	37.1	32.5	28.0	23.5	19.0
Hvy Trucks	14	1	53.2	51.4	46.9	42.3	37.8	33.3	28.8	24.3
TOTAL	2893	283	60.8	59.0	54.4	49.9	45.4	40.9	36.4	31.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2906	285	59.7	57.9	53.4	48.9	44.4	39.9	35.3	30.8
Med Trucks	15	1	48.0	46.2	41.6	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	15	1	53.2	51.4	46.9	42.4	37.9	33.4	28.9	24.3
TOTAL	2935	287	60.8	59.0	54.5	50.0	45.5	41.0	36.4	31.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2091	205	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Med Trucks	11	1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Hvy Trucks	11	1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
TOTAL	2112	207	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
CHANGE FROM FUTURE NO PROJECT										
Autos	42	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	42	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ClevelandSchleismanPM2019 Year 2019 Weekday

Location: Cleveland Avenue at Schleisman Road

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	433	42	51.5	49.6	45.1	40.6	36.1	31.6	27.1	22.6
Med Trucks	2	0	39.7	37.9	33.4	28.8	24.3	19.8	15.3	10.8
Hvy Trucks	2	0	45.0	43.2	38.6	34.1	29.6	25.1	20.6	16.1
TOTAL	437	43	52.6	50.8	46.2	41.7	37.2	32.7	28.2	23.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1118	109	55.6	53.8	49.2	44.7	40.2	35.7	31.2	26.7
Med Trucks	6	1	43.8	42.0	37.5	33.0	28.5	23.9	19.4	14.9
Hvy Trucks	6	1	49.1	47.3	42.8	38.2	33.7	29.2	24.7	20.2
TOTAL	1129	111	56.7	54.9	50.4	45.8	41.3	36.8	32.3	27.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1192	117	55.9	54.0	49.5	45.0	40.5	36.0	31.5	27.0
Med Trucks	6	1	44.1	42.3	37.8	33.3	28.7	24.2	19.7	15.2
Hvy Trucks	6	1	49.4	47.6	43.0	38.5	34.0	29.5	25.0	20.5
TOTAL	1204	118	57.0	55.2	50.6	46.1	41.6	37.1	32.6	28.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	759	74	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Med Trucks	4	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Hvy Trucks	4	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	767	75	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
CHANGE FROM FUTURE NO PROJECT										
Autos	74	7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	75	7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ClevelandSchleismanPM2030 Year 2030 Weekday

Location: Cleveland Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	433	42	51.5	49.6	45.1	40.6	36.1	31.6	27.1	22.6
Med Trucks	2	0	39.7	37.9	33.4	28.8	24.3	19.8	15.3	10.8
Hvy Trucks	2	0	45.0	43.2	38.6	34.1	29.6	25.1	20.6	16.1
TOTAL	437	43	52.6	50.8	46.2	41.7	37.2	32.7	28.2	23.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3545	347	60.6	58.8	54.3	49.7	45.2	40.7	36.2	31.7
Med Trucks	18	2	48.8	47.0	42.5	38.0	33.5	29.0	24.4	19.9
Hvy Trucks	18	2	54.1	52.3	47.8	43.3	38.7	34.2	29.7	25.2
TOTAL	3581	351	61.7	59.9	55.4	50.9	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3597	352	60.7	58.8	54.3	49.8	45.3	40.8	36.3	31.7
Med Trucks	18	2	48.9	47.1	42.6	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	18	2	54.2	52.4	47.8	43.3	38.8	34.3	29.8	25.3
TOTAL	3633	356	61.8	60.0	55.4	50.9	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3164	310	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Med Trucks	16	2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Hvy Trucks	16	2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
TOTAL	3196	313	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
CHANGE FROM FUTURE NO PROJECT										
Autos	51	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	52	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CucamongaChinoCoronaAM2019 Year 2019 Weekday

Location: Cucamonga Avenue at Chino Corona Road

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	586	57	52.8	51.0	46.4	41.9	37.4	32.9	28.4	23.9
Med Trucks	3	0	41.0	39.2	34.7	30.2	25.7	21.1	16.6	12.1
Hvy Trucks	3	0	46.3	44.5	40.0	35.4	30.9	26.4	21.9	17.4
TOTAL	592	58	53.9	52.1	47.6	43.0	38.5	34.0	29.5	25.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	656	64	53.3	51.5	46.9	42.4	37.9	33.4	28.9	24.4
Med Trucks	3	0	41.5	39.7	35.2	30.7	26.1	21.6	17.1	12.6
Hvy Trucks	3	0	46.8	45.0	40.5	35.9	31.4	26.9	22.4	17.9
TOTAL	663	65	54.4	52.6	48.0	43.5	39.0	34.5	30.0	25.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1133	111	55.6	53.8	49.3	44.8	40.3	35.8	31.2	26.7
Med Trucks	6	1	43.9	42.1	37.5	33.0	28.5	24.0	19.5	15.0
Hvy Trucks	6	1	49.2	47.3	42.8	38.3	33.8	29.3	24.8	20.2
TOTAL	1144	112	56.7	54.9	50.4	45.9	41.4	36.9	32.4	27.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	546	54	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	3	0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	3	0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	552	54	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	476	47	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	2	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	2	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	481	47	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CucamongaChinoCoronaAM2030 Year 2030 Weekday

Location: Cucamonga Avenue at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	586	57	52.8	51.0	46.4	41.9	37.4	32.9	28.4	23.9
Med Trucks	3	0	41.0	39.2	34.7	30.2	25.7	21.1	16.6	12.1
Hvy Trucks	3	0	46.3	44.5	40.0	35.4	30.9	26.4	21.9	17.4
TOTAL	592	58	53.9	52.1	47.6	43.0	38.5	34.0	29.5	25.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	828	81	54.3	52.5	47.9	43.4	38.9	34.4	29.9	25.4
Med Trucks	4	0	42.5	40.7	36.2	31.7	27.2	22.6	18.1	13.6
Hvy Trucks	4	0	47.8	46.0	41.5	36.9	32.4	27.9	23.4	18.9
TOTAL	836	82	55.4	53.6	49.1	44.5	40.0	35.5	31.0	26.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1199	117	55.9	54.1	49.6	45.0	40.5	36.0	31.5	27.0
Med Trucks	6	1	44.1	42.3	37.8	33.3	28.8	24.2	19.7	15.2
Hvy Trucks	6	1	49.4	47.6	43.1	38.6	34.0	29.5	25.0	20.5
TOTAL	1211	119	57.0	55.2	50.7	46.1	41.6	37.1	32.6	28.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	613	60	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	3	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	3	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	619	61	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	371	36	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	2	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	2	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	375	37	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CucamongaChinoCoronaPM2019 Year 2019 Weekday

Location: Cucamonga Avenue at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	643	63	53.2	51.4	46.8	42.3	37.8	33.3	28.8	24.3
Med Trucks	3	0	41.4	39.6	35.1	30.6	26.1	21.5	17.0	12.5
Hvy Trucks	3	0	46.7	44.9	40.4	35.8	31.3	26.8	22.3	17.8
TOTAL	649	64	54.3	52.5	48.0	43.4	38.9	34.4	29.9	25.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	699	68	53.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
Med Trucks	4	0	41.8	40.0	35.4	30.9	26.4	21.9	17.4	12.9
Hvy Trucks	4	0	47.1	45.2	40.7	36.2	31.7	27.2	22.7	18.1
TOTAL	706	69	54.6	52.8	48.3	43.8	39.3	34.8	30.3	25.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1133	111	55.6	53.8	49.3	44.8	40.3	35.8	31.2	26.7
Med Trucks	6	1	43.9	42.1	37.5	33.0	28.5	24.0	19.5	15.0
Hvy Trucks	6	1	49.2	47.3	42.8	38.3	33.8	29.3	24.8	20.2
TOTAL	1144	112	56.7	54.9	50.4	45.9	41.4	36.9	32.4	27.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	490	48	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Med Trucks	2	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Hvy Trucks	2	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
TOTAL	495	48	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CHANGE FROM FUTURE NO PROJECT										
Autos	434	42	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Med Trucks	2	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Hvy Trucks	2	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TOTAL	438	43	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-CucamongaChinoCoronaPM2030 Year 2030 Weekday

Location: Cucamonga Avenue at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	643	63	53.2	51.4	46.8	42.3	37.8	33.3	28.8	24.3
Med Trucks	3	0	41.4	39.6	35.1	30.6	26.1	21.5	17.0	12.5
Hvy Trucks	3	0	46.7	44.9	40.4	35.8	31.3	26.8	22.3	17.8
TOTAL	649	64	54.3	52.5	48.0	43.4	38.9	34.4	29.9	25.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	829	81	54.3	52.5	47.9	43.4	38.9	34.4	29.9	25.4
Med Trucks	4	0	42.5	40.7	36.2	31.7	27.2	22.6	18.1	13.6
Hvy Trucks	4	0	47.8	46.0	41.5	37.0	32.4	27.9	23.4	18.9
TOTAL	837	82	55.4	53.6	49.1	44.5	40.0	35.5	31.0	26.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1256	123	56.1	54.3	49.8	45.2	40.7	36.2	31.7	27.2
Med Trucks	6	1	44.3	42.5	38.0	33.5	29.0	24.4	19.9	15.4
Hvy Trucks	6	1	49.6	47.8	43.3	38.8	34.2	29.7	25.2	20.7
TOTAL	1269	124	57.2	55.4	50.9	46.4	41.8	37.3	32.8	28.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	614	60	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	3	0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	3	0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	620	61	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	428	42	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	2	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	2	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	432	42	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreserveBickmoreAM2019 Year 2019 Weekday

Location: East Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	91	9	44.7	42.9	38.4	33.8	29.3	24.8	20.3	15.8
Med Trucks	0	0	32.9	31.1	26.6	22.1	17.6	13.1	8.5	4.0
Hvy Trucks	0	0	38.2	36.4	31.9	27.4	22.8	18.3	13.8	9.3
TOTAL	92	9	45.8	44.0	39.5	35.0	30.4	25.9	21.4	16.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	91	9	44.7	42.9	38.4	33.8	29.3	24.8	20.3	15.8
Med Trucks	0	0	32.9	31.1	26.6	22.1	17.6	13.1	8.5	4.0
Hvy Trucks	0	0	38.2	36.4	31.9	27.4	22.8	18.3	13.8	9.3
TOTAL	92	9	45.8	44.0	39.5	35.0	30.4	25.9	21.4	16.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	91	9	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	92	9	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreserveBickmoreAM2030 Year 2030 Weekday

Location: East Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	317	31	50.1	48.3	43.8	39.3	34.7	30.2	25.7	21.2
Med Trucks	2	0	38.3	36.5	32.0	27.5	23.0	18.5	13.9	9.4
Hvy Trucks	2	0	43.6	41.8	37.3	32.8	28.3	23.7	19.2	14.7
TOTAL	320	31	51.2	49.4	44.9	40.4	35.9	31.3	26.8	22.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	317	31	50.1	48.3	43.8	39.3	34.7	30.2	25.7	21.2
Med Trucks	2	0	38.3	36.5	32.0	27.5	23.0	18.5	13.9	9.4
Hvy Trucks	2	0	43.6	41.8	37.3	32.8	28.3	23.7	19.2	14.7
TOTAL	320	31	51.2	49.4	44.9	40.4	35.9	31.3	26.8	22.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	317	31	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	320	31	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreserveBickmorePM2019 Year 2019 Weekday

Location: East Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	225	22	48.6	46.8	42.3	37.8	33.3	28.7	24.2	19.7
Med Trucks	1	0	36.8	35.0	30.5	26.0	21.5	17.0	12.5	7.9
Hvy Trucks	1	0	42.1	40.3	35.8	31.3	26.8	22.3	17.7	13.2
TOTAL	227	22	49.7	47.9	43.4	38.9	34.4	29.8	25.3	20.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	225	22	48.6	46.8	42.3	37.8	33.3	28.7	24.2	19.7
Med Trucks	1	0	36.8	35.0	30.5	26.0	21.5	17.0	12.5	7.9
Hvy Trucks	1	0	42.1	40.3	35.8	31.3	26.8	22.3	17.7	13.2
TOTAL	227	22	49.7	47.9	43.4	38.9	34.4	29.8	25.3	20.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	225	22	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	1	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	1	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	227	22	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreserveBickmoreAM2030 Year 2030 Weekday

Location: East Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	771	76	54.0	52.2	47.6	43.1	38.6	34.1	29.6	25.1
Med Trucks	4	0	42.2	40.4	35.9	31.4	26.8	22.3	17.8	13.3
Hvy Trucks	4	0	47.5	45.7	41.2	36.6	32.1	27.6	23.1	18.6
TOTAL	779	76	55.1	53.3	48.7	44.2	39.7	35.2	30.7	26.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	771	76	54.0	52.2	47.6	43.1	38.6	34.1	29.6	25.1
Med Trucks	4	0	42.2	40.4	35.9	31.4	26.8	22.3	17.8	13.3
Hvy Trucks	4	0	47.5	45.7	41.2	36.6	32.1	27.6	23.1	18.6
TOTAL	779	76	55.1	53.3	48.7	44.2	39.7	35.2	30.7	26.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	771	76	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	779	76	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreserveBickmoreAM2019 Year 2019 Weekday

Location: East Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	91	9	44.7	42.9	38.4	33.8	29.3	24.8	20.3	15.8
Med Trucks	0	0	32.9	31.1	26.6	22.1	17.6	13.1	8.5	4.0
Hvy Trucks	0	0	38.2	36.4	31.9	27.4	22.8	18.3	13.8	9.3
TOTAL	92	9	45.8	44.0	39.5	35.0	30.4	25.9	21.4	16.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	91	9	44.7	42.9	38.4	33.8	29.3	24.8	20.3	15.8
Med Trucks	0	0	32.9	31.1	26.6	22.1	17.6	13.1	8.5	4.0
Hvy Trucks	0	0	38.2	36.4	31.9	27.4	22.8	18.3	13.8	9.3
TOTAL	92	9	45.8	44.0	39.5	35.0	30.4	25.9	21.4	16.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	91	9	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	92	9	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreservePineAM2030 Year 2030 Weekday

Location: East Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1694	166		57.4	55.6	51.1	46.5	42.0	37.5	33.0	28.5
Med Trucks	9	1		45.6	43.8	39.3	34.8	30.3	25.7	21.2	16.7
Hvy Trucks	9	1		50.9	49.1	44.6	40.1	35.5	31.0	26.5	22.0
TOTAL	1711	168		58.5	56.7	52.2	47.6	43.1	38.6	34.1	29.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1710	167		57.4	55.6	51.1	46.6	42.1	37.5	33.0	28.5
Med Trucks	9	1		45.7	43.8	39.3	34.8	30.3	25.8	21.3	16.8
Hvy Trucks	9	1		50.9	49.1	44.6	40.1	35.6	31.1	26.5	22.0
TOTAL	1727	169		58.5	56.7	52.2	47.7	43.2	38.7	34.1	29.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1710	167	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1727	169	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	16	2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	16	2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreservePinePM2019 Year 2019 Weekday

Location: East Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1694	166		57.4	55.6	51.1	46.5	42.0	37.5	33.0	28.5
Med Trucks	9	1		45.6	43.8	39.3	34.8	30.3	25.7	21.2	16.7
Hvy Trucks	9	1		50.9	49.1	44.6	40.1	35.5	31.0	26.5	22.0
TOTAL	1711	168		58.5	56.7	52.2	47.6	43.1	38.6	34.1	29.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1710	167		57.4	55.6	51.1	46.6	42.1	37.5	33.0	28.5
Med Trucks	9	1		45.7	43.8	39.3	34.8	30.3	25.8	21.3	16.8
Hvy Trucks	9	1		50.9	49.1	44.6	40.1	35.6	31.1	26.5	22.0
TOTAL	1727	169		58.5	56.7	52.2	47.7	43.2	38.7	34.1	29.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1710	167	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1727	169	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	16	2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	16	2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EPreservePinePM2030 Year 2030 Weekday

Location: East Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3486	341	60.5	58.7	54.2	49.7	45.2	40.6	36.1	31.6
Med Trucks	18	2	48.8	46.9	42.4	37.9	33.4	28.9	24.4	19.8
Hvy Trucks	18	2	54.0	52.2	47.7	43.2	38.7	34.2	29.6	25.1
TOTAL	3521	345	61.6	59.8	55.3	50.8	46.3	41.8	37.2	32.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3520	345	60.6	58.7	54.2	49.7	45.2	40.7	36.2	31.7
Med Trucks	18	2	48.8	47.0	42.5	38.0	33.4	28.9	24.4	19.9
Hvy Trucks	18	2	54.1	52.3	47.7	43.2	38.7	34.2	29.7	25.2
TOTAL	3556	348	61.7	59.9	55.3	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3520	345	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	18	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	18	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	3556	348	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoKimballAM2019 Year 2019 Weekday

Location: El Prado Road at Kimball Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1005	98	57.8	55.1	50.6	46.1	41.5	37.0	32.5	28.0
Med Trucks	5	0	45.7	42.9	38.4	33.9	29.4	24.9	20.3	15.8
Hvy Trucks	5	0	50.0	47.3	42.8	38.3	33.8	29.2	24.7	20.2
TOTAL	1015	99	58.7	56.0	51.5	47.0	42.4	37.9	33.4	28.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1361	133	59.2	56.4	51.9	47.4	42.9	38.4	33.8	29.3
Med Trucks	7	1	47.0	44.2	39.7	35.2	30.7	26.2	21.7	17.1
Hvy Trucks	7	1	51.4	48.6	44.1	39.6	35.1	30.6	26.0	21.5
TOTAL	1375	135	60.0	57.3	52.8	48.3	43.8	39.2	34.7	30.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1387	136	59.2	56.5	52.0	47.5	42.9	38.4	33.9	29.4
Med Trucks	7	1	47.1	44.3	39.8	35.3	30.8	26.3	21.7	17.2
Hvy Trucks	7	1	51.4	48.7	44.2	39.7	35.2	30.6	26.1	21.6
TOTAL	1401	137	60.1	57.4	52.9	48.4	43.8	39.3	34.8	30.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	382	37	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	2	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	2	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	386	38	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoKimballAM2030 Year 2030 Weekday

Location: El Prado Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1005	98	57.8	55.1	50.6	46.1	41.5	37.0	32.5	28.0
Med Trucks	5	0	45.7	42.9	38.4	33.9	29.4	24.9	20.3	15.8
Hvy Trucks	5	0	50.0	47.3	42.8	38.3	33.8	29.2	24.7	20.2
TOTAL	1015	99	58.7	56.0	51.5	47.0	42.4	37.9	33.4	28.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1779	174	60.3	57.6	53.1	48.5	44.0	39.5	35.0	30.5
Med Trucks	9	1	48.1	45.4	40.9	36.4	31.9	27.3	22.8	18.3
Hvy Trucks	9	1	52.5	49.8	45.3	40.8	36.2	31.7	27.2	22.7
TOTAL	1797	176	61.2	58.5	53.9	49.4	44.9	40.4	35.9	31.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1786	175	60.3	57.6	53.1	48.6	44.0	39.5	35.0	30.5
Med Trucks	9	1	48.2	45.4	40.9	36.4	31.9	27.4	22.8	18.3
Hvy Trucks	9	1	52.5	49.8	45.3	40.8	36.3	31.7	27.2	22.7
TOTAL	1804	177	61.2	58.5	54.0	49.4	44.9	40.4	35.9	31.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	781	76	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Med Trucks	4	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Hvy Trucks	4	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
TOTAL	789	77	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoKimballPM2019 Year 2019 Weekday

Location: El Prado Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	821	80	57.0	54.2	49.7	45.2	40.7	36.2	31.6	27.1
Med Trucks	4	0	44.8	42.0	37.5	33.0	28.5	24.0	19.5	15.0
Hvy Trucks	4	0	49.2	46.4	41.9	37.4	32.9	28.4	23.8	19.3
TOTAL	829	81	57.8	55.1	50.6	46.1	41.6	37.0	32.5	28.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1152	113	58.4	55.7	51.2	46.7	42.1	37.6	33.1	28.6
Med Trucks	6	1	46.3	43.5	39.0	34.5	30.0	25.5	20.9	16.4
Hvy Trucks	6	1	50.6	47.9	43.4	38.9	34.3	29.8	25.3	20.8
TOTAL	1164	114	59.3	56.6	52.1	47.5	43.0	38.5	34.0	29.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1185	116	58.6	55.8	51.3	46.8	42.3	37.7	33.2	28.7
Med Trucks	6	1	46.4	43.6	39.1	34.6	30.1	25.6	21.1	16.5
Hvy Trucks	6	1	50.8	48.0	43.5	39.0	34.5	30.0	25.4	20.9
TOTAL	1197	117	59.4	56.7	52.2	47.7	43.2	38.6	34.1	29.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	364	36	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	2	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	2	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	368	36	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
CHANGE FROM FUTURE NO PROJECT										
Autos	33	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	33	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoKimballPM2030 Year 2030 Weekday

Location: El Prado Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	821	80	57.0	54.2	49.7	45.2	40.7	36.2	31.6	27.1
Med Trucks	4	0	44.8	42.0	37.5	33.0	28.5	24.0	19.5	15.0
Hvy Trucks	4	0	49.2	46.4	41.9	37.4	32.9	28.4	23.8	19.3
TOTAL	829	81	57.8	55.1	50.6	46.1	41.6	37.0	32.5	28.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1544	151	59.7	57.0	52.4	47.9	43.4	38.9	34.4	29.9
Med Trucks	8	1	47.5	44.8	40.3	35.8	31.2	26.7	22.2	17.7
Hvy Trucks	8	1	51.9	49.2	44.7	40.1	35.6	31.1	26.6	22.1
TOTAL	1560	153	60.6	57.8	53.3	48.8	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1553	152	59.7	57.0	52.5	48.0	43.4	38.9	34.4	29.9
Med Trucks	8	1	47.6	44.8	40.3	35.8	31.3	26.8	22.2	17.7
Hvy Trucks	8	1	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
TOTAL	1569	154	60.6	57.9	53.4	48.8	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	733	72	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Med Trucks	4	0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Hvy Trucks	4	0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
TOTAL	740	72	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoPineAM2019 Year 2019 Weekday

Location: El Prado Road at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1495	146	56.8	55.0	50.5	46.0	41.5	37.0	32.5	27.9
Med Trucks	8	1	45.1	43.3	38.7	34.2	29.7	25.2	20.7	16.2
Hvy Trucks	8	1	50.4	48.5	44.0	39.5	35.0	30.5	26.0	21.5
TOTAL	1510	148	58.0	56.1	51.6	47.1	42.6	38.1	33.6	29.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1618	158	57.2	55.4	50.9	46.3	41.8	37.3	32.8	28.3
Med Trucks	8	1	45.4	43.6	39.1	34.6	30.1	25.5	21.0	16.5
Hvy Trucks	8	1	50.7	48.9	44.4	39.9	35.3	30.8	26.3	21.8
TOTAL	1634	160	58.3	56.5	52.0	47.4	42.9	38.4	33.9	29.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1618	158	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1634	160	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	123	12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	124	12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoPineAM2030 Year 2030 Weekday

Location: El Prado Road at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2287	224	58.7	56.9	52.4	47.8	43.3	38.8	34.3	29.8
Med Trucks	12	1	46.9	45.1	40.6	36.1	31.6	27.0	22.5	18.0
Hvy Trucks	12	1	52.2	50.4	45.9	41.4	36.8	32.3	27.8	23.3
TOTAL	2310	226	59.8	58.0	53.5	49.0	44.4	39.9	35.4	30.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2426	237	58.9	57.1	52.6	48.1	43.6	39.1	34.6	30.0
Med Trucks	12	1	47.2	45.4	40.9	36.3	31.8	27.3	22.8	18.3
Hvy Trucks	12	1	52.5	50.6	46.1	41.6	37.1	32.6	28.1	23.6
TOTAL	2450	240	60.1	58.2	53.7	49.2	44.7	40.2	35.7	31.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2426	237	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	12	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	12	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2450	240	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	139	14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	140	14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoPineAM2019 Year 2019 Weekday

Location: El Prado Road at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1722	169		57.5	55.6	51.1	46.6	42.1	37.6	33.1	28.5
Med Trucks	9	1		45.7	43.9	39.4	34.8	30.3	25.8	21.3	16.8
Hvy Trucks	9	1		51.0	49.2	44.6	40.1	35.6	31.1	26.6	22.1
TOTAL	1739	170		58.6	56.8	52.2	47.7	43.2	38.7	34.2	29.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1878	184		57.8	56.0	51.5	47.0	42.5	38.0	33.4	28.9
Med Trucks	9	1		46.1	44.3	39.7	35.2	30.7	26.2	21.7	17.2
Hvy Trucks	9	1		51.3	49.5	45.0	40.5	36.0	31.5	27.0	22.4
TOTAL	1897	186		58.9	57.1	52.6	48.1	43.6	39.1	34.6	30.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1878	184	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	9	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1897	186	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	156	15		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	1	0		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	1	0		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	158	15		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-ElPradoPinePM2030 Year 2030 Weekday

Location: El Prado Road at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2178	213	58.5	56.7	52.1	47.6	43.1	38.6	34.1	29.6
Med Trucks	11	1	46.7	44.9	40.4	35.9	31.4	26.8	22.3	17.8
Hvy Trucks	11	1	52.0	50.2	45.7	41.1	36.6	32.1	27.6	23.1
TOTAL	2200	215	59.6	57.8	53.3	48.7	44.2	39.7	35.2	30.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2337	229	58.8	57.0	52.5	47.9	43.4	38.9	34.4	29.9
Med Trucks	12	1	47.0	45.2	40.7	36.2	31.7	27.1	22.6	18.1
Hvy Trucks	12	1	52.3	50.5	46.0	41.5	36.9	32.4	27.9	23.4
TOTAL	2361	231	59.9	58.1	53.6	49.0	44.5	40.0	35.5	31.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2337	229	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	12	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	12	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2361	231	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	159	16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	161	16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidBickmoreAM2019 Year 2019 Weekday

Location: Euclid Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1851	181	60.5	57.7	53.2	48.7	44.2	39.7	35.2	30.7
Med Trucks	9	1	48.3	45.6	41.1	36.5	32.0	27.5	23.0	18.5
Hvy Trucks	9	1	52.7	50.0	45.4	40.9	36.4	31.9	27.4	22.9
TOTAL	1870	183	61.4	58.6	54.1	49.6	45.1	40.6	36.1	31.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3224	316	62.9	60.2	55.6	51.1	46.6	42.1	37.6	33.1
Med Trucks	16	2	50.7	48.0	43.5	39.0	34.4	29.9	25.4	20.9
Hvy Trucks	16	2	55.1	52.4	47.8	43.3	38.8	34.3	29.8	25.3
TOTAL	3257	319	63.8	61.0	56.5	52.0	47.5	43.0	38.5	34.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3256	319	62.9	60.2	55.7	51.2	46.7	42.1	37.6	33.1
Med Trucks	16	2	50.8	48.0	43.5	39.0	34.5	30.0	25.5	20.9
Hvy Trucks	16	2	55.2	52.4	47.9	43.4	38.9	34.3	29.8	25.3
TOTAL	3289	322	63.8	61.1	56.6	52.1	47.5	43.0	38.5	34.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1405	138	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Med Trucks	7	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Hvy Trucks	7	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
TOTAL	1419	139	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CHANGE FROM FUTURE NO PROJECT										
Autos	32	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	32	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidBickmoreAM2030 Year 2030 Weekday

Location: Euclid Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1851	181	60.5	57.7	53.2	48.7	44.2	39.7	35.2	30.7
Med Trucks	9	1	48.3	45.6	41.1	36.5	32.0	27.5	23.0	18.5
Hvy Trucks	9	1	52.7	50.0	45.4	40.9	36.4	31.9	27.4	22.9
TOTAL	1870	183	61.4	58.6	54.1	49.6	45.1	40.6	36.1	31.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3596	352	63.4	60.6	56.1	51.6	47.1	42.6	38.1	33.5
Med Trucks	18	2	51.2	48.5	43.9	39.4	34.9	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.8	48.3	43.8	39.3	34.8	30.3	25.7
TOTAL	3632	356	64.3	61.5	57.0	52.5	48.0	43.5	38.9	34.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3623	355	63.4	60.7	56.1	51.6	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.2	48.5	44.0	39.5	34.9	30.4	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.8	39.3	34.8	30.3	25.8
TOTAL	3660	358	64.3	61.6	57.0	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1772	174	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	9	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	9	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	1790	175	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	28	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	28	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidBickmorePM2019 Year 2019 Weekday

Location: Euclid Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1558	153	59.7	57.0	52.5	48.0	43.5	38.9	34.4	29.9
Med Trucks	8	1	47.6	44.8	40.3	35.8	31.3	26.8	22.3	17.7
Hvy Trucks	8	1	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
TOTAL	1574	154	60.6	57.9	53.4	48.9	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3026	296	62.6	59.9	55.4	50.9	46.3	41.8	37.3	32.8
Med Trucks	15	1	50.5	47.7	43.2	38.7	34.2	29.6	25.1	20.6
Hvy Trucks	15	1	54.8	52.1	47.6	43.1	38.5	34.0	29.5	25.0
TOTAL	3057	299	63.5	60.8	56.3	51.7	47.2	42.7	38.2	33.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3067	300	62.7	59.9	55.4	50.9	46.4	41.9	37.4	32.8
Med Trucks	15	2	50.5	47.8	43.3	38.7	34.2	29.7	25.2	20.7
Hvy Trucks	15	2	54.9	52.1	47.6	43.1	38.6	34.1	29.6	25.1
TOTAL	3098	303	63.6	60.8	56.3	51.8	47.3	42.8	38.3	33.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1509	148	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	8	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	8	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	1524	149	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	41	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	41	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidBickmorePM2030 Year 2030 Weekday

Location: Euclid Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1558	153	59.7	57.0	52.5	48.0	43.5	38.9	34.4	29.9
Med Trucks	8	1	47.6	44.8	40.3	35.8	31.3	26.8	22.3	17.7
Hvy Trucks	8	1	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
TOTAL	1574	154	60.6	57.9	53.4	48.9	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4138	405	64.0	61.2	56.7	52.2	47.7	43.2	38.7	34.1
Med Trucks	21	2	51.8	49.1	44.6	40.0	35.5	31.0	26.5	22.0
Hvy Trucks	21	2	56.2	53.4	48.9	44.4	39.9	35.4	30.9	26.4
TOTAL	4180	409	64.9	62.1	57.6	53.1	48.6	44.1	39.6	35.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4173	409	64.0	61.3	56.8	52.2	47.7	43.2	38.7	34.2
Med Trucks	21	2	51.9	49.1	44.6	40.1	35.6	31.0	26.5	22.0
Hvy Trucks	21	2	56.2	53.5	49.0	44.5	39.9	35.4	30.9	26.4
TOTAL	4215	413	64.9	62.2	57.6	53.1	48.6	44.1	39.6	35.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2615	256	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Med Trucks	13	1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Hvy Trucks	13	1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
TOTAL	2641	259	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
CHANGE FROM FUTURE NO PROJECT										
Autos	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidButterfieldSR71SBAM2019 Year 2019 Weekday

Location: Euclid Avenue/Butterfield Ranch Road at SR-71 Southbound Ramps/Shady View I

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3508	343	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Med Trucks	18	2	51.1	48.4	43.8	39.3	34.8	30.3	25.8	21.3
Hvy Trucks	18	2	55.5	52.7	48.2	43.7	39.2	34.7	30.2	25.6
TOTAL	3543	347	64.2	61.4	56.9	52.4	47.9	43.3	38.8	34.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	5311	520	65.1	62.3	57.8	53.3	48.8	44.3	39.7	35.2
Med Trucks	27	3	52.9	50.2	45.6	41.1	36.6	32.1	27.6	23.1
Hvy Trucks	27	3	57.3	54.5	50.0	45.5	41.0	36.5	32.0	27.4
TOTAL	5365	525	66.0	63.2	58.7	54.2	49.7	45.2	40.6	36.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	5317	521	65.1	62.3	57.8	53.3	48.8	44.3	39.8	35.2
Med Trucks	27	3	52.9	50.2	45.6	41.1	36.6	32.1	27.6	23.1
Hvy Trucks	27	3	57.3	54.5	50.0	45.5	41.0	36.5	32.0	27.4
TOTAL	5371	526	66.0	63.2	58.7	54.2	49.7	45.2	40.6	36.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1810	177	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	1828	179	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidButterfieldSR71SBAM2030 Year 2030 Weekday

Location: Euclid Avenue/Butterfield Ranch Road at SR-71 Southbound Ramps/Shady View I

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3508	343	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Med Trucks	18	2	51.1	48.4	43.8	39.3	34.8	30.3	25.8	21.3
Hvy Trucks	18	2	55.5	52.7	48.2	43.7	39.2	34.7	30.2	25.6
TOTAL	3543	347	64.2	61.4	56.9	52.4	47.9	43.3	38.8	34.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5311	520	65.1	62.3	57.8	53.3	48.8	44.3	39.7	35.2
Med Trucks	27	3	52.9	50.2	45.6	41.1	36.6	32.1	27.6	23.1
Hvy Trucks	27	3	57.3	54.5	50.0	45.5	41.0	36.5	32.0	27.4
TOTAL	5365	525	66.0	63.2	58.7	54.2	49.7	45.2	40.6	36.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5322	521	65.1	62.3	57.8	53.3	48.8	44.3	39.8	35.2
Med Trucks	27	3	52.9	50.2	45.6	41.1	36.6	32.1	27.6	23.1
Hvy Trucks	27	3	57.3	54.5	50.0	45.5	41.0	36.5	32.0	27.4
TOTAL	5376	526	66.0	63.2	58.7	54.2	49.7	45.2	40.6	36.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1815	178	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	9	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	1833	179	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidButterfiledSR71SBPM2019 Year 2019 Weekday

Location: Euclid Avenue/Butterfield Ranch Road at SR-71 Southbound Ramps/Shady View I

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1660	163	60.0	57.3	52.8	48.2	43.7	39.2	34.7	30.2
Med Trucks	8	1	47.8	45.1	40.6	36.1	31.6	27.0	22.5	18.0
Hvy Trucks	8	1	52.2	49.5	45.0	40.5	35.9	31.4	26.9	22.4
TOTAL	1677	164	60.9	58.2	53.6	49.1	44.6	40.1	35.6	31.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2660	260	62.1	59.3	54.8	50.3	45.8	41.3	36.7	32.2
Med Trucks	13	1	49.9	47.2	42.6	38.1	33.6	29.1	24.6	20.1
Hvy Trucks	13	1	54.3	51.5	47.0	42.5	38.0	33.5	29.0	24.4
TOTAL	2687	263	63.0	60.2	55.7	51.2	46.7	42.1	37.6	33.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2668	261	62.1	59.3	54.8	50.3	45.8	41.3	36.8	32.2
Med Trucks	13	1	49.9	47.2	42.6	38.1	33.6	29.1	24.6	20.1
Hvy Trucks	13	1	54.3	51.5	47.0	42.5	38.0	33.5	29.0	24.4
TOTAL	2695	264	63.0	60.2	55.7	51.2	46.7	42.2	37.6	33.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1008	99	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Med Trucks	5	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Hvy Trucks	5	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TOTAL	1018	100	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
CHANGE FROM FUTURE NO PROJECT										
Autos	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidButterfieldSR71SBPM2030 Year 2030 Weekday

Location: Euclid Avenue/Butterfield Ranch Road at SR-71 Southbound Ramps/Shady View I

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1660	163	60.0	57.3	52.8	48.2	43.7	39.2	34.7	30.2
Med Trucks	8	1	47.8	45.1	40.6	36.1	31.6	27.0	22.5	18.0
Hvy Trucks	8	1	52.2	49.5	45.0	40.5	35.9	31.4	26.9	22.4
TOTAL	1677	164	60.9	58.2	53.6	49.1	44.6	40.1	35.6	31.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2793	273	62.3	59.5	55.0	50.5	46.0	41.5	37.0	32.4
Med Trucks	14	1	50.1	47.4	42.8	38.3	33.8	29.3	24.8	20.3
Hvy Trucks	14	1	54.5	51.7	47.2	42.7	38.2	33.7	29.2	24.6
TOTAL	2821	276	63.2	60.4	55.9	51.4	46.9	42.4	37.8	33.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2815	276	62.3	59.6	55.1	50.5	46.0	41.5	37.0	32.5
Med Trucks	14	1	50.1	47.4	42.9	38.4	33.9	29.3	24.8	20.3
Hvy Trucks	14	1	54.5	51.8	47.3	42.7	38.2	33.7	29.2	24.7
TOTAL	2843	278	63.2	60.5	55.9	51.4	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1154	113	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Med Trucks	6	1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Hvy Trucks	6	1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
TOTAL	1166	114	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
CHANGE FROM FUTURE NO PROJECT										
Autos	22	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	22	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-EuclidEdisonAM2019

Location: Euclid Avenue at Edison Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	3047	298	62.7	59.9	55.4	50.9	46.4	41.8	37.3	32.8
Med Trucks	15	2	50.5	47.7	43.2	38.7	34.2	29.7	25.2	20.6
Hvy Trucks	15	2	54.9	52.1	47.6	43.1	38.6	34.1	29.5	25.0
TOTAL	3078	301	63.5	60.8	56.3	51.8	47.3	42.7	38.2	33.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4958	485	64.8	62.0	57.5	53.0	48.5	44.0	39.4	34.9
Med Trucks	25	2	52.6	49.9	45.3	40.8	36.3	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.2	31.7	27.1
TOTAL	5008	490	65.7	62.9	58.4	53.9	49.4	44.9	40.3	35.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	5067	496	64.9	62.1	57.6	53.1	48.6	44.1	39.5	35.0
Med Trucks	26	3	52.7	49.9	45.4	40.9	36.4	31.9	27.4	22.9
Hvy Trucks	26	3	57.1	54.3	49.8	45.3	40.8	36.3	31.8	27.2
TOTAL	5118	501	65.8	63.0	58.5	54.0	49.5	44.9	40.4	35.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2020	198	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	10	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	10	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	2040	200	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	109	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	110	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEdisonAM2030 Year 2030 Weekday

Location: Euclid Avenue at Edison Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3047	298	62.7	59.9	55.4	50.9	46.4	41.8	37.3	32.8
Med Trucks	15	2	50.5	47.7	43.2	38.7	34.2	29.7	25.2	20.6
Hvy Trucks	15	2	54.9	52.1	47.6	43.1	38.6	34.1	29.5	25.0
TOTAL	3078	301	63.5	60.8	56.3	51.8	47.3	42.7	38.2	33.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	6276	614	65.8	63.0	58.5	54.0	49.5	45.0	40.5	36.0
Med Trucks	32	3	53.6	50.9	46.4	41.8	37.3	32.8	28.3	23.8
Hvy Trucks	32	3	58.0	55.3	50.7	46.2	41.7	37.2	32.7	28.2
TOTAL	6339	621	66.7	63.9	59.4	54.9	50.4	45.9	41.4	36.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	6316	618	65.8	63.1	58.6	54.0	49.5	45.0	40.5	36.0
Med Trucks	32	3	53.7	50.9	46.4	41.9	37.4	32.8	28.3	23.8
Hvy Trucks	32	3	58.0	55.3	50.8	46.3	41.7	37.2	32.7	28.2
TOTAL	6380	625	66.7	64.0	59.4	54.9	50.4	45.9	41.4	36.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3269	320	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Med Trucks	17	2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Hvy Trucks	17	2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	3302	323	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CHANGE FROM FUTURE NO PROJECT										
Autos	41	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	41	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEdisonPM2019 Year 2019 Weekday

Location: Euclid Avenue at Edison Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3002	294	62.6	59.8	55.3	50.8	46.3	41.8	37.3	32.8
Med Trucks	15	1	50.4	47.7	43.2	38.6	34.1	29.6	25.1	20.6
Hvy Trucks	15	1	54.8	52.1	47.5	43.0	38.5	34.0	29.5	25.0
TOTAL	3032	297	63.5	60.7	56.2	51.7	47.2	42.7	38.2	33.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4793	469	64.6	61.9	57.4	52.8	48.3	43.8	39.3	34.8
Med Trucks	24	2	52.5	49.7	45.2	40.7	36.2	31.6	27.1	22.6
Hvy Trucks	24	2	56.8	54.1	49.6	45.1	40.5	36.0	31.5	27.0
TOTAL	4841	474	65.5	62.8	58.3	53.7	49.2	44.7	40.2	35.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4932	483	64.7	62.0	57.5	53.0	48.5	43.9	39.4	34.9
Med Trucks	25	2	52.6	49.8	45.3	40.8	36.3	31.8	27.3	22.7
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.1	31.6	27.1
TOTAL	4982	488	65.6	62.9	58.4	53.9	49.3	44.8	40.3	35.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1931	189	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	10	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	10	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	1950	191	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	140	14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	141	14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEdisonPM2030 Year 2030 Weekday

Location: Euclid Avenue at Edison Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3002	294	62.6	59.8	55.3	50.8	46.3	41.8	37.3	32.8
Med Trucks	15	1	50.4	47.7	43.2	38.6	34.1	29.6	25.1	20.6
Hvy Trucks	15	1	54.8	52.1	47.5	43.0	38.5	34.0	29.5	25.0
TOTAL	3032	297	63.5	60.7	56.2	51.7	47.2	42.7	38.2	33.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	6897	675	66.2	63.5	58.9	54.4	49.9	45.4	40.9	36.4
Med Trucks	35	3	54.0	51.3	46.8	42.3	37.7	33.2	28.7	24.2
Hvy Trucks	35	3	58.4	55.7	51.2	46.6	42.1	37.6	33.1	28.6
TOTAL	6967	682	67.1	64.3	59.8	55.3	50.8	46.3	41.8	37.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	6948	680	66.2	63.5	59.0	54.5	49.9	45.4	40.9	36.4
Med Trucks	35	3	54.1	51.3	46.8	42.3	37.8	33.3	28.7	24.2
Hvy Trucks	35	3	58.4	55.7	51.2	46.7	42.2	37.6	33.1	28.6
TOTAL	7018	687	67.1	64.4	59.9	55.3	50.8	46.3	41.8	37.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3946	386	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Med Trucks	20	2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Hvy Trucks	20	2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
TOTAL	3986	390	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
CHANGE FROM FUTURE NO PROJECT										
Autos	50	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	51	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEuclyptusAM2019 Year 2019 Weekday

Location: Euclid Avenue at Eucalyptus Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2278	223	61.4	58.6	54.1	49.6	45.1	40.6	36.1	31.6
Med Trucks	12	1	49.2	46.5	42.0	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	12	1	53.6	50.9	46.3	41.8	37.3	32.8	28.3	23.8
TOTAL	2301	225	62.3	59.5	55.0	50.5	46.0	41.5	37.0	32.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4160	407	64.0	61.3	56.7	52.2	47.7	43.2	38.7	34.2
Med Trucks	21	2	51.8	49.1	44.6	40.1	35.5	31.0	26.5	22.0
Hvy Trucks	21	2	56.2	53.5	49.0	44.4	39.9	35.4	30.9	26.4
TOTAL	4202	411	64.9	62.2	57.6	53.1	48.6	44.1	39.6	35.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4270	418	64.1	61.4	56.9	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.6	40.0	35.5	31.0	26.5
TOTAL	4313	422	65.0	62.3	57.7	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1992	195	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Med Trucks	10	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Hvy Trucks	10	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL	2012	197	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
CHANGE FROM FUTURE NO PROJECT										
Autos	110	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	111	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEuclyptusAM2030 Year 2030 Weekday

Location: Euclid Avenue at Eucalyptus Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2278	223	61.4	58.6	54.1	49.6	45.1	40.6	36.1	31.6
Med Trucks	12	1	49.2	46.5	42.0	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	12	1	53.6	50.9	46.3	41.8	37.3	32.8	28.3	23.8
TOTAL	2301	225	62.3	59.5	55.0	50.5	46.0	41.5	37.0	32.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4272	418	64.1	61.4	56.9	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	52.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.6	40.0	35.5	31.0	26.5
TOTAL	4315	423	65.0	62.3	57.8	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4334	424	64.2	61.4	56.9	52.4	47.9	43.4	38.9	34.3
Med Trucks	22	2	52.0	49.3	44.8	40.2	35.7	31.2	26.7	22.2
Hvy Trucks	22	2	56.4	53.6	49.1	44.6	40.1	35.6	31.1	26.6
TOTAL	4378	429	65.1	62.3	57.8	53.3	48.8	44.3	39.8	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2056	201	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Med Trucks	10	1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Hvy Trucks	10	1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
TOTAL	2077	203	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CHANGE FROM FUTURE NO PROJECT										
Autos	62	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	63	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEuclyptusPM2019 Year 2019 Weekday

Location: Euclid Avenue at Eucalyptus Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1975	193	60.8	58.0	53.5	49.0	44.5	40.0	35.5	30.9
Med Trucks	10	1	48.6	45.9	41.3	36.8	32.3	27.8	23.3	18.8
Hvy Trucks	10	1	53.0	50.2	45.7	41.2	36.7	32.2	27.7	23.1
TOTAL	1995	195	61.7	58.9	54.4	49.9	45.4	40.9	36.3	31.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3699	362	63.5	60.8	56.2	51.7	47.2	42.7	38.2	33.7
Med Trucks	19	2	51.3	48.6	44.1	39.6	35.0	30.5	26.0	21.5
Hvy Trucks	19	2	55.7	53.0	48.4	43.9	39.4	34.9	30.4	25.9
TOTAL	3736	366	64.4	61.6	57.1	52.6	48.1	43.6	39.1	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3839	376	63.7	60.9	56.4	51.9	47.4	42.9	38.3	33.8
Med Trucks	19	2	51.5	48.7	44.2	39.7	35.2	30.7	26.2	21.7
Hvy Trucks	19	2	55.9	53.1	48.6	44.1	39.6	35.1	30.5	26.0
TOTAL	3878	380	64.5	61.8	57.3	52.8	48.3	43.7	39.2	34.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1864	183	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	9	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	9	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	1883	184	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	141	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	142	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidEuclyptusPM2030 Year 2030 Weekday

Location: Euclid Avenue at Eucalyptus Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1975	193	60.8	58.0	53.5	49.0	44.5	40.0	35.5	30.9
Med Trucks	10	1	48.6	45.9	41.3	36.8	32.3	27.8	23.3	18.8
Hvy Trucks	10	1	53.0	50.2	45.7	41.2	36.7	32.2	27.7	23.1
TOTAL	1995	195	61.7	58.9	54.4	49.9	45.4	40.9	36.3	31.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5146	504	64.9	62.2	57.7	53.2	48.6	44.1	39.6	35.1
Med Trucks	26	3	52.8	50.0	45.5	41.0	36.5	32.0	27.4	22.9
Hvy Trucks	26	3	57.1	54.4	49.9	45.4	40.8	36.3	31.8	27.3
TOTAL	5198	509	65.8	63.1	58.6	54.0	49.5	45.0	40.5	36.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5223	511	65.0	62.3	57.7	53.2	48.7	44.2	39.7	35.2
Med Trucks	26	3	52.8	50.1	45.6	41.1	36.5	32.0	27.5	23.0
Hvy Trucks	26	3	57.2	54.5	49.9	45.4	40.9	36.4	31.9	27.4
TOTAL	5276	517	65.9	63.1	58.6	54.1	49.6	45.1	40.6	36.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3248	318	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Med Trucks	16	2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Hvy Trucks	16	2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
TOTAL	3281	321	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
CHANGE FROM FUTURE NO PROJECT										
Autos	77	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	78	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidKimballAM2019 Year 2019 Weekday

Location: Euclid Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2510	246	61.8	59.1	54.6	50.0	45.5	41.0	36.5	32.0
Med Trucks	13	1	49.6	46.9	42.4	37.9	33.4	28.8	24.3	19.8
Hvy Trucks	13	1	54.0	51.3	46.8	42.2	37.7	33.2	28.7	24.2
TOTAL	2535	248	62.7	60.0	55.4	50.9	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4242	415	64.1	61.3	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	21	2	51.9	49.2	44.7	40.1	35.6	31.1	26.6	22.1
Hvy Trucks	21	2	56.3	53.6	49.0	44.5	40.0	35.5	31.0	26.5
TOTAL	4285	420	65.0	62.2	57.7	53.2	48.7	44.2	39.7	35.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4396	430	64.2	61.5	57.0	52.5	48.0	43.4	38.9	34.4
Med Trucks	22	2	52.1	49.3	44.8	40.3	35.8	31.3	26.8	22.2
Hvy Trucks	22	2	56.5	53.7	49.2	44.7	40.2	35.6	31.1	26.6
TOTAL	4440	435	65.1	62.4	57.9	53.4	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1886	185	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	10	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	10	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	1905	187	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	153	15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	155	15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidKimballAM2030 Year 2030 Weekday

Location: Euclid Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2510	246	61.8	59.1	54.6	50.0	45.5	41.0	36.5	32.0
Med Trucks	13	1	49.6	46.9	42.4	37.9	33.4	28.8	24.3	19.8
Hvy Trucks	13	1	54.0	51.3	46.8	42.2	37.7	33.2	28.7	24.2
TOTAL	2535	248	62.7	60.0	55.4	50.9	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4625	453	64.5	61.7	57.2	52.7	48.2	43.7	39.1	34.6
Med Trucks	23	2	52.3	49.6	45.0	40.5	36.0	31.5	27.0	22.5
Hvy Trucks	23	2	56.7	53.9	49.4	44.9	40.4	35.9	31.4	26.8
TOTAL	4672	457	65.4	62.6	58.1	53.6	49.1	44.6	40.0	35.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4702	460	64.5	61.8	57.3	52.8	48.2	43.7	39.2	34.7
Med Trucks	24	2	52.4	49.6	45.1	40.6	36.1	31.6	27.0	22.5
Hvy Trucks	24	2	56.7	54.0	49.5	45.0	40.5	35.9	31.4	26.9
TOTAL	4749	465	65.4	62.7	58.2	53.7	49.1	44.6	40.1	35.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2192	215	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Med Trucks	11	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Hvy Trucks	11	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL	2214	217	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
CHANGE FROM FUTURE NO PROJECT										
Autos	76	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	77	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidKimballPM2019 Year 2019 Weekday

Location: Euclid Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1985	194	60.8	58.1	53.5	49.0	44.5	40.0	35.5	31.0
Med Trucks	10	1	48.6	45.9	41.4	36.8	32.3	27.8	23.3	18.8
Hvy Trucks	10	1	53.0	50.3	45.7	41.2	36.7	32.2	27.7	23.2
TOTAL	2005	196	61.7	58.9	54.4	49.9	45.4	40.9	36.4	31.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3490	342	63.2	60.5	56.0	51.5	47.0	42.4	37.9	33.4
Med Trucks	18	2	51.1	48.3	43.8	39.3	34.8	30.3	25.8	21.2
Hvy Trucks	18	2	55.5	52.7	48.2	43.7	39.2	34.6	30.1	25.6
TOTAL	3525	345	64.1	61.4	56.9	52.4	47.8	43.3	38.8	34.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3688	361	63.5	60.7	56.2	51.7	47.2	42.7	38.2	33.6
Med Trucks	19	2	51.3	48.6	44.1	39.5	35.0	30.5	26.0	21.5
Hvy Trucks	19	2	55.7	52.9	48.4	43.9	39.4	34.9	30.4	25.9
TOTAL	3725	365	64.4	61.6	57.1	52.6	48.1	43.6	39.1	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1703	167	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Med Trucks	9	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Hvy Trucks	9	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL	1720	168	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
CHANGE FROM FUTURE NO PROJECT										
Autos	198	19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	200	20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidKimballPM2030 Year 2030 Weekday

Location: Euclid Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1985	194	60.8	58.1	53.5	49.0	44.5	40.0	35.5	31.0
Med Trucks	10	1	48.6	45.9	41.4	36.8	32.3	27.8	23.3	18.8
Hvy Trucks	10	1	53.0	50.3	45.7	41.2	36.7	32.2	27.7	23.2
TOTAL	2005	196	61.7	58.9	54.4	49.9	45.4	40.9	36.4	31.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4870	477	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.9
Med Trucks	25	2	52.5	49.8	45.3	40.7	36.2	31.7	27.2	22.7
Hvy Trucks	25	2	56.9	54.2	49.6	45.1	40.6	36.1	31.6	27.1
TOTAL	4919	482	65.6	62.8	58.3	53.8	49.3	44.8	40.3	35.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4964	486	64.8	62.0	57.5	53.0	48.5	44.0	39.5	34.9
Med Trucks	25	2	52.6	49.9	45.3	40.8	36.3	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.2	31.7	27.1
TOTAL	5014	491	65.7	62.9	58.4	53.9	49.4	44.9	40.3	35.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2979	292	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Med Trucks	15	1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Hvy Trucks	15	1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
TOTAL	3009	295	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
CHANGE FROM FUTURE NO PROJECT										
Autos	94	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	95	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidMerrillAM2019 Year 2019 Weekday

Location: Euclid Avenue at Merrill Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2588	253	61.9	59.2	54.7	50.2	45.7	41.1	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	29.0	24.5	19.9
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.3	28.8	24.3
TOTAL	2614	256	62.8	60.1	55.6	51.1	46.5	42.0	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4258	417	64.1	61.4	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.5	40.0	35.5	31.0	26.5
TOTAL	4301	421	65.0	62.3	57.7	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4381	429	64.2	61.5	57.0	52.5	47.9	43.4	38.9	34.4
Med Trucks	22	2	52.1	49.3	44.8	40.3	35.8	31.3	26.7	22.2
Hvy Trucks	22	2	56.4	53.7	49.2	44.7	40.1	35.6	31.1	26.6
TOTAL	4425	433	65.1	62.4	57.9	53.3	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1793	176	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Med Trucks	9	1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Hvy Trucks	9	1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
TOTAL	1811	177	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
CHANGE FROM FUTURE NO PROJECT										
Autos	123	12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	124	12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidMerrillAM2019 Year 2019 Weekday

Location: Euclid Avenue at Merrill Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2588	253	61.9	59.2	54.7	50.2	45.7	41.1	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	29.0	24.5	19.9
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.3	28.8	24.3
TOTAL	2614	256	62.8	60.1	55.6	51.1	46.5	42.0	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4258	417	64.1	61.4	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	22	2	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
Hvy Trucks	22	2	56.3	53.6	49.1	44.5	40.0	35.5	31.0	26.5
TOTAL	4301	421	65.0	62.3	57.7	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4319	423	64.2	61.4	56.9	52.4	47.9	43.4	38.8	34.3
Med Trucks	22	2	52.0	49.3	44.7	40.2	35.7	31.2	26.7	22.2
Hvy Trucks	22	2	56.4	53.6	49.1	44.6	40.1	35.6	31.1	26.5
TOTAL	4363	427	65.1	62.3	57.8	53.3	48.8	44.3	39.7	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1732	170	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	9	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	9	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	1749	171	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	61	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	62	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidMerrillPM2019 Year 2019 Weekday

Location: Euclid Avenue at Merrill Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2185	214	61.2	58.5	54.0	49.4	44.9	40.4	35.9	31.4
Med Trucks	11	1	49.0	46.3	41.8	37.3	32.8	28.2	23.7	19.2
Hvy Trucks	11	1	53.4	50.7	46.2	41.6	37.1	32.6	28.1	23.6
TOTAL	2207	216	62.1	59.4	54.8	50.3	45.8	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3784	370	63.6	60.9	56.3	51.8	47.3	42.8	38.3	33.8
Med Trucks	19	2	51.4	48.7	44.2	39.7	35.1	30.6	26.1	21.6
Hvy Trucks	19	2	55.8	53.1	48.5	44.0	39.5	35.0	30.5	26.0
TOTAL	3822	374	64.5	61.7	57.2	52.7	48.2	43.7	39.2	34.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3941	386	63.8	61.0	56.5	52.0	47.5	43.0	38.5	33.9
Med Trucks	20	2	51.6	48.9	44.3	39.8	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.2	48.7	44.2	39.7	35.2	30.7	26.1
TOTAL	3981	390	64.7	61.9	57.4	52.9	48.4	43.9	39.3	34.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1756	172	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Med Trucks	9	1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Hvy Trucks	9	1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
TOTAL	1774	174	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CHANGE FROM FUTURE NO PROJECT										
Autos	157	15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	159	16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidMerrillPM2030 Year 2030 Weekday

Location: Euclid Avenue at Merrill Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2185	214	61.2	58.5	54.0	49.4	44.9	40.4	35.9	31.4
Med Trucks	11	1	49.0	46.3	41.8	37.3	32.8	28.2	23.7	19.2
Hvy Trucks	11	1	53.4	50.7	46.2	41.6	37.1	32.6	28.1	23.6
TOTAL	2207	216	62.1	59.4	54.8	50.3	45.8	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4881	478	64.7	62.0	57.4	52.9	48.4	43.9	39.4	34.9
Med Trucks	25	2	52.5	49.8	45.3	40.8	36.2	31.7	27.2	22.7
Hvy Trucks	25	2	56.9	54.2	49.6	45.1	40.6	36.1	31.6	27.1
TOTAL	4930	483	65.6	62.8	58.3	53.8	49.3	44.8	40.3	35.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4958	485	64.8	62.0	57.5	53.0	48.5	44.0	39.4	34.9
Med Trucks	25	2	52.6	49.9	45.3	40.8	36.3	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.2	49.7	45.2	40.7	36.2	31.7	27.1
TOTAL	5008	490	65.7	62.9	58.4	53.9	49.4	44.9	40.3	35.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2773	272	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Med Trucks	14	1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Hvy Trucks	14	1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
TOTAL	2801	274	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
CHANGE FROM FUTURE NO PROJECT										
Autos	77	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	78	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidPineAM2019 Year 2019 Weekday

Location: Euclid Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2455	240	61.7	59.0	54.5	49.9	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.5	46.8	42.3	37.8	33.3	28.7	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.6	33.1	28.6	24.1
TOTAL	2480	243	62.6	59.9	55.3	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4248	416	64.1	61.4	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	21	2	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
Hvy Trucks	21	2	56.3	53.6	49.0	44.5	40.0	35.5	31.0	26.5
TOTAL	4291	420	65.0	62.2	57.7	53.2	48.7	44.2	39.7	35.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4545	445	64.4	61.6	57.1	52.6	48.1	43.6	39.1	34.6
Med Trucks	23	2	52.2	49.5	45.0	40.4	35.9	31.4	26.9	22.4
Hvy Trucks	23	2	56.6	53.9	49.3	44.8	40.3	35.8	31.3	26.8
TOTAL	4591	450	65.3	62.5	58.0	53.5	49.0	44.5	40.0	35.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2090	205	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Med Trucks	11	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Hvy Trucks	11	1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL	2111	207	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
CHANGE FROM FUTURE NO PROJECT										
Autos	297	29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	2	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	2	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	300	29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidPineAM2030 Year 2030 Weekday

Location: Euclid Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2455	240	61.7	59.0	54.5	49.9	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.5	46.8	42.3	37.8	33.3	28.7	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.6	33.1	28.6	24.1
TOTAL	2480	243	62.6	59.9	55.3	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5196	509	65.0	62.2	57.7	53.2	48.7	44.2	39.7	35.1
Med Trucks	26	3	52.8	50.1	45.5	41.0	36.5	32.0	27.5	23.0
Hvy Trucks	26	3	57.2	54.4	49.9	45.4	40.9	36.4	31.9	27.3
TOTAL	5248	514	65.9	63.1	58.6	54.1	49.6	45.1	40.5	36.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5429	532	65.2	62.4	57.9	53.4	48.9	44.4	39.8	35.3
Med Trucks	27	3	53.0	50.2	45.7	41.2	36.7	32.2	27.7	23.2
Hvy Trucks	27	3	57.4	54.6	50.1	45.6	41.1	36.6	32.1	27.5
TOTAL	5484	537	66.1	63.3	58.8	54.3	49.8	45.2	40.7	36.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2974	291	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Med Trucks	15	1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Hvy Trucks	15	1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
TOTAL	3004	294	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
CHANGE FROM FUTURE NO PROJECT										
Autos	234	23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	236	23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidPinePM2019 Year 2019 Weekday

Location: Euclid Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2315	227	61.5	58.7	54.2	49.7	45.2	40.7	36.1	31.6
Med Trucks	12	1	49.3	46.5	42.0	37.5	33.0	28.5	24.0	19.5
Hvy Trucks	12	1	53.7	50.9	46.4	41.9	37.4	32.9	28.3	23.8
TOTAL	2338	229	62.4	59.6	55.1	50.6	46.1	41.5	37.0	32.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4505	441	64.4	61.6	57.1	52.6	48.1	43.5	39.0	34.5
Med Trucks	23	2	52.2	49.4	44.9	40.4	35.9	31.4	26.9	22.3
Hvy Trucks	23	2	56.6	53.8	49.3	44.8	40.3	35.8	31.2	26.7
TOTAL	4551	446	65.2	62.5	58.0	53.5	49.0	44.4	39.9	35.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4885	478	64.7	62.0	57.4	52.9	48.4	43.9	39.4	34.9
Med Trucks	25	2	52.5	49.8	45.3	40.8	36.2	31.7	27.2	22.7
Hvy Trucks	25	2	56.9	54.2	49.7	45.1	40.6	36.1	31.6	27.1
TOTAL	4934	483	65.6	62.8	58.3	53.8	49.3	44.8	40.3	35.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2570	252	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Med Trucks	13	1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Hvy Trucks	13	1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	2596	254	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CHANGE FROM FUTURE NO PROJECT										
Autos	379	37	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	2	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	2	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	383	38	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidPinePM2030 Year 2030 Weekday

Location: Euclid Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2315	227	61.5	58.7	54.2	49.7	45.2	40.7	36.1	31.6
Med Trucks	12	1	49.3	46.5	42.0	37.5	33.0	28.5	24.0	19.5
Hvy Trucks	12	1	53.7	50.9	46.4	41.9	37.4	32.9	28.3	23.8
TOTAL	2338	229	62.4	59.6	55.1	50.6	46.1	41.5	37.0	32.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	6121	599	65.7	62.9	58.4	53.9	49.4	44.9	40.4	35.8
Med Trucks	31	3	53.5	50.8	46.3	41.7	37.2	32.7	28.2	23.7
Hvy Trucks	31	3	57.9	55.1	50.6	46.1	41.6	37.1	32.6	28.1
TOTAL	6183	605	66.6	63.8	59.3	54.8	50.3	45.8	41.3	36.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	6378	624	65.9	63.1	58.6	54.1	49.6	45.1	40.5	36.0
Med Trucks	32	3	53.7	50.9	46.4	41.9	37.4	32.9	28.4	23.9
Hvy Trucks	32	3	58.1	55.3	50.8	46.3	41.8	37.3	32.7	28.2
TOTAL	6442	631	66.8	64.0	59.5	55.0	50.5	45.9	41.4	36.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	4063	398	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Med Trucks	21	2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Hvy Trucks	21	2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	4104	402	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
CHANGE FROM FUTURE NO PROJECT										
Autos	256	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	259	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSchaeferAM2019 Year 2019 Weekday

Location: Euclid Avenue at Schaefer Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2511	246	61.8	59.1	54.6	50.0	45.5	41.0	36.5	32.0
Med Trucks	13	1	49.6	46.9	42.4	37.9	33.4	28.8	24.3	19.8
Hvy Trucks	13	1	54.0	51.3	46.8	42.2	37.7	33.2	28.7	24.2
TOTAL	2536	248	62.7	60.0	55.4	50.9	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3849	377	63.7	60.9	56.4	51.9	47.4	42.9	38.3	33.8
Med Trucks	19	2	51.5	48.8	44.2	39.7	35.2	30.7	26.2	21.7
Hvy Trucks	19	2	55.9	53.1	48.6	44.1	39.6	35.1	30.6	26.0
TOTAL	3888	381	64.6	61.8	57.3	52.8	48.3	43.8	39.2	34.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3932	385	63.8	61.0	56.5	52.0	47.5	43.0	38.4	33.9
Med Trucks	20	2	51.6	48.8	44.3	39.8	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
TOTAL	3972	389	64.7	61.9	57.4	52.9	48.4	43.8	39.3	34.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1422	139	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Med Trucks	7	1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Hvy Trucks	7	1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
TOTAL	1436	141	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
CHANGE FROM FUTURE NO PROJECT										
Autos	83	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	84	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSchaeferAM2030 Year 2030 Weekday

Location: Euclid Avenue at Schaefer Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2511	246	61.8	59.1	54.6	50.0	45.5	41.0	36.5	32.0
Med Trucks	13	1	49.6	46.9	42.4	37.9	33.4	28.8	24.3	19.8
Hvy Trucks	13	1	54.0	51.3	46.8	42.2	37.7	33.2	28.7	24.2
TOTAL	2536	248	62.7	60.0	55.4	50.9	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4367	428	64.2	61.5	57.0	52.4	47.9	43.4	38.9	34.4
Med Trucks	22	2	52.0	49.3	44.8	40.3	35.8	31.2	26.7	22.2
Hvy Trucks	22	2	56.4	53.7	49.2	44.7	40.1	35.6	31.1	26.6
TOTAL	4411	432	65.1	62.4	57.8	53.3	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4395	430	64.2	61.5	57.0	52.5	48.0	43.4	38.9	34.4
Med Trucks	22	2	52.1	49.3	44.8	40.3	35.8	31.3	26.8	22.2
Hvy Trucks	22	2	56.5	53.7	49.2	44.7	40.2	35.6	31.1	26.6
TOTAL	4439	435	65.1	62.4	57.9	53.4	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1884	184	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	10	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	10	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	1903	186	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	28	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	28	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSchaeferPM2019 Year 2019 Weekday

Location: Euclid Avenue at Schaefer Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2464	241	61.7	59.0	54.5	50.0	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.7	33.1	28.6	24.1
TOTAL	2489	244	62.6	59.9	55.4	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3862	378	63.7	60.9	56.4	51.9	47.4	42.9	38.4	33.8
Med Trucks	20	2	51.5	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Hvy Trucks	20	2	55.9	53.1	48.6	44.1	39.6	35.1	30.6	26.1
TOTAL	3901	382	64.6	61.8	57.3	52.8	48.3	43.8	39.3	34.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3970	389	63.8	61.1	56.5	52.0	47.5	43.0	38.5	34.0
Med Trucks	20	2	51.6	48.9	44.4	39.9	35.3	30.8	26.3	21.8
Hvy Trucks	20	2	56.0	53.3	48.8	44.2	39.7	35.2	30.7	26.2
TOTAL	4010	393	64.7	61.9	57.4	52.9	48.4	43.9	39.4	34.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1506	147	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Med Trucks	8	1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Hvy Trucks	8	1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TOTAL	1521	149	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
CHANGE FROM FUTURE NO PROJECT										
Autos	108	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	109	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSchaeferPM2030 Year 2030 Weekday

Location: Euclid Avenue at Schaefer Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	2464	241	61.7	59.0	54.5	50.0	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.7	33.1	28.6	24.1
TOTAL	2489	244	62.6	59.9	55.4	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4738	464	64.6	61.8	57.3	52.8	48.3	43.8	39.3	34.7
Med Trucks	24	2	52.4	49.7	45.1	40.6	36.1	31.6	27.1	22.6
Hvy Trucks	24	2	56.8	54.0	49.5	45.0	40.5	36.0	31.5	26.9
TOTAL	4786	469	65.5	62.7	58.2	53.7	49.2	44.7	40.1	35.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4773	467	64.6	61.9	57.3	52.8	48.3	43.8	39.3	34.8
Med Trucks	24	2	52.4	49.7	45.2	40.7	36.1	31.6	27.1	22.6
Hvy Trucks	24	2	56.8	54.1	49.6	45.0	40.5	36.0	31.5	27.0
TOTAL	4821	472	65.5	62.7	58.2	53.7	49.2	44.7	40.2	35.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2309	226	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Med Trucks	12	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Hvy Trucks	12	1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
TOTAL	2332	228	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CHANGE FROM FUTURE NO PROJECT										
Autos	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	35	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSR71NBAM2019 Year 2019 Weekday

Location: Euclid Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2431	238	61.7	58.9	54.4	49.9	45.4	40.9	36.4	31.8
Med Trucks	12	1	49.5	46.8	42.2	37.7	33.2	28.7	24.2	19.7
Hvy Trucks	12	1	53.9	51.1	46.6	42.1	37.6	33.1	28.6	24.0
TOTAL	2456	240	62.6	59.8	55.3	50.8	46.3	41.8	37.2	32.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4107	402	64.0	61.2	56.7	52.2	47.7	43.1	38.6	34.1
Med Trucks	21	2	51.8	49.0	44.5	40.0	35.5	31.0	26.5	21.9
Hvy Trucks	21	2	56.2	53.4	48.9	44.4	39.9	35.4	30.8	26.3
TOTAL	4148	406	64.8	62.1	57.6	53.1	48.5	44.0	39.5	35.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4254	417	64.1	61.4	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	21	2	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
Hvy Trucks	21	2	56.3	53.6	49.1	44.5	40.0	35.5	31.0	26.5
TOTAL	4297	421	65.0	62.2	57.7	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1823	178	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	9	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	9	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	1841	180	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	148	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	149	15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSR71NBAM2030 Year 2030 Weekday

Location: Euclid Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2431	238	61.7	58.9	54.4	49.9	45.4	40.9	36.4	31.8
Med Trucks	12	1	49.5	46.8	42.2	37.7	33.2	28.7	24.2	19.7
Hvy Trucks	12	1	53.9	51.1	46.6	42.1	37.6	33.1	28.6	24.0
TOTAL	2456	240	62.6	59.8	55.3	50.8	46.3	41.8	37.2	32.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4114	403	64.0	61.2	56.7	52.2	47.7	43.2	38.6	34.1
Med Trucks	21	2	51.8	49.0	44.5	40.0	35.5	31.0	26.5	22.0
Hvy Trucks	21	2	56.2	53.4	48.9	44.4	39.9	35.4	30.8	26.3
TOTAL	4156	407	64.8	62.1	57.6	53.1	48.6	44.0	39.5	35.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4190	410	64.0	61.3	56.8	52.3	47.7	43.2	38.7	34.2
Med Trucks	21	2	51.9	49.1	44.6	40.1	35.6	31.1	26.5	22.0
Hvy Trucks	21	2	56.2	53.5	49.0	44.5	40.0	35.4	30.9	26.4
TOTAL	4232	414	64.9	62.2	57.7	53.2	48.6	44.1	39.6	35.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1758	172	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	9	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	9	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	1776	174	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	75	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	76	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSR71NBPM2019 Year 2019 Weekday

Location: Euclid Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2257	221	61.4	58.6	54.1	49.6	45.1	40.5	36.0	31.5
Med Trucks	11	1	49.2	46.4	41.9	37.4	32.9	28.4	23.9	19.3
Hvy Trucks	11	1	53.6	50.8	46.3	41.8	37.3	32.8	28.2	23.7
TOTAL	2280	223	62.2	59.5	55.0	50.5	46.0	41.4	36.9	32.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	4067	398	63.9	61.2	56.6	52.1	47.6	43.1	38.6	34.1
Med Trucks	21	2	51.7	49.0	44.5	40.0	35.4	30.9	26.4	21.9
Hvy Trucks	21	2	56.1	53.4	48.9	44.3	39.8	35.3	30.8	26.3
TOTAL	4108	402	64.8	62.1	57.5	53.0	48.5	44.0	39.5	35.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	4256	417	64.1	61.4	56.8	52.3	47.8	43.3	38.8	34.3
Med Trucks	21	2	51.9	49.2	44.7	40.2	35.6	31.1	26.6	22.1
Hvy Trucks	21	2	56.3	53.6	49.1	44.5	40.0	35.5	31.0	26.5
TOTAL	4299	421	65.0	62.3	57.7	53.2	48.7	44.2	39.7	35.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1999	196	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Med Trucks	10	1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Hvy Trucks	10	1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
TOTAL	2019	198	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CHANGE FROM FUTURE NO PROJECT										
Autos	189	19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	191	19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-EuclidSR71NBPM2030 Year 2030 Weekday

Location: Euclid Avenue at SR-71 Northbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2257	221	61.4	58.6	54.1	49.6	45.1	40.5	36.0	31.5
Med Trucks	11	1	49.2	46.4	41.9	37.4	32.9	28.4	23.9	19.3
Hvy Trucks	11	1	53.6	50.8	46.3	41.8	37.3	32.8	28.2	23.7
TOTAL	2280	223	62.2	59.5	55.0	50.5	46.0	41.4	36.9	32.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5017	491	64.8	62.1	57.6	53.0	48.5	44.0	39.5	35.0
Med Trucks	25	2	52.7	49.9	45.4	40.9	36.4	31.8	27.3	22.8
Hvy Trucks	25	2	57.0	54.3	49.8	45.3	40.7	36.2	31.7	27.2
TOTAL	5068	496	65.7	63.0	58.5	53.9	49.4	44.9	40.4	35.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5089	498	64.9	62.1	57.6	53.1	48.6	44.1	39.6	35.0
Med Trucks	26	3	52.7	50.0	45.5	40.9	36.4	31.9	27.4	22.9
Hvy Trucks	26	3	57.1	54.3	49.8	45.3	40.8	36.3	31.8	27.3
TOTAL	5140	503	65.8	63.0	58.5	54.0	49.5	45.0	40.4	35.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2831	277	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Med Trucks	14	1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Hvy Trucks	14	1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
TOTAL	2860	280	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
CHANGE FROM FUTURE NO PROJECT										
Autos	71	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	72	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HamnerSchleismanAM2019 Year 2019 Weekday

Location: Hamner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1640	161	57.2	55.4	50.9	46.4	41.9	37.4	32.9	28.3
Med Trucks	8	1	45.5	43.7	39.2	34.6	30.1	25.6	21.1	16.6
Hvy Trucks	8	1	50.8	48.9	44.4	39.9	35.4	30.9	26.4	21.9
TOTAL	1657	162	58.4	56.5	52.0	47.5	43.0	38.5	34.0	29.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2001	196	58.1	56.3	51.8	47.3	42.7	38.2	33.7	29.2
Med Trucks	10	1	46.3	44.5	40.0	35.5	31.0	26.5	22.0	17.4
Hvy Trucks	10	1	51.6	49.8	45.3	40.8	36.3	31.7	27.2	22.7
TOTAL	2021	198	59.2	57.4	52.9	48.4	43.9	39.3	34.8	30.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2058	202	58.2	56.4	51.9	47.4	42.9	38.4	33.8	29.3
Med Trucks	10	1	46.5	44.7	40.1	35.6	31.1	26.6	22.1	17.6
Hvy Trucks	10	1	51.7	49.9	45.4	40.9	36.4	31.9	27.4	22.8
TOTAL	2079	204	59.3	57.5	53.0	48.5	44.0	39.5	34.9	30.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	418	41	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	2	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	2	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	422	41	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHANGE FROM FUTURE NO PROJECT										
Autos	57	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	58	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HamnerSchleismanAM2030 Year 2030 Weekday

Location: Hamner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1640	161	57.2	55.4	50.9	46.4	41.9	37.4	32.9	28.3
Med Trucks	8	1	45.5	43.7	39.2	34.6	30.1	25.6	21.1	16.6
Hvy Trucks	8	1	50.8	48.9	44.4	39.9	35.4	30.9	26.4	21.9
TOTAL	1657	162	58.4	56.5	52.0	47.5	43.0	38.5	34.0	29.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3275	321	60.2	58.4	53.9	49.4	44.9	40.4	35.9	31.3
Med Trucks	17	2	48.5	46.7	42.2	37.6	33.1	28.6	24.1	19.6
Hvy Trucks	17	2	53.8	51.9	47.4	42.9	38.4	33.9	29.4	24.9
TOTAL	3308	324	61.4	59.5	55.0	50.5	46.0	41.5	37.0	32.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3317	325	60.3	58.5	54.0	49.5	44.9	40.4	35.9	31.4
Med Trucks	17	2	48.5	46.7	42.2	37.7	33.2	28.7	24.1	19.6
Hvy Trucks	17	2	53.8	52.0	47.5	43.0	38.5	33.9	29.4	24.9
TOTAL	3350	328	61.4	59.6	55.1	50.6	46.1	41.5	37.0	32.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1676	164	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	8	1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	8	1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	1693	166	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	42	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	42	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HamnerSchleismanPM2019 Year 2019 Weekday

Location: Hamner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1881	184	57.8	56.0	51.5	47.0	42.5	38.0	33.4	28.9
Med Trucks	10	1	46.1	44.3	39.7	35.2	30.7	26.2	21.7	17.2
Hvy Trucks	10	1	51.4	49.5	45.0	40.5	36.0	31.5	27.0	22.4
TOTAL	1900	186	58.9	57.1	52.6	48.1	43.6	39.1	34.6	30.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2624	257	59.3	57.5	53.0	48.4	43.9	39.4	34.9	30.4
Med Trucks	13	1	47.5	45.7	41.2	36.7	32.2	27.6	23.1	18.6
Hvy Trucks	13	1	52.8	51.0	46.5	42.0	37.4	32.9	28.4	23.9
TOTAL	2650	259	60.4	58.6	54.1	49.5	45.0	40.5	36.0	31.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2698	264	59.4	57.6	53.1	48.6	44.0	39.5	35.0	30.5
Med Trucks	14	1	47.6	45.8	41.3	36.8	32.3	27.8	23.3	18.7
Hvy Trucks	14	1	52.9	51.1	46.6	42.1	37.6	33.0	28.5	24.0
TOTAL	2725	267	60.5	58.7	54.2	49.7	45.2	40.6	36.1	31.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	817	80	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	4	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	4	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	825	81	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
CHANGE FROM FUTURE NO PROJECT										
Autos	74	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	75	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HamnerSchleismanPM2030 Year 2030 Weekday

Location: Hamner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1881	184	57.8	56.0	51.5	47.0	42.5	38.0	33.4	28.9
Med Trucks	10	1	46.1	44.3	39.7	35.2	30.7	26.2	21.7	17.2
Hvy Trucks	10	1	51.4	49.5	45.0	40.5	36.0	31.5	27.0	22.4
TOTAL	1900	186	58.9	57.1	52.6	48.1	43.6	39.1	34.6	30.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5256	515	62.3	60.5	56.0	51.5	46.9	42.4	37.9	33.4
Med Trucks	27	3	50.5	48.7	44.2	39.7	35.2	30.7	26.1	21.6
Hvy Trucks	27	3	55.8	54.0	49.5	45.0	40.5	35.9	31.4	26.9
TOTAL	5309	520	63.4	61.6	57.1	52.6	48.1	43.5	39.0	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5307	520	62.3	60.5	56.0	51.5	47.0	42.5	38.0	33.4
Med Trucks	27	3	50.6	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Hvy Trucks	27	3	55.9	54.0	49.5	45.0	40.5	36.0	31.5	27.0
TOTAL	5361	525	63.5	61.6	57.1	52.6	48.1	43.6	39.1	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3426	336	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Med Trucks	17	2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Hvy Trucks	17	2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
TOTAL	3461	339	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
CHANGE FROM FUTURE NO PROJECT										
Autos	51	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	52	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HarrisonSchleismanAM2019 Year 2019 Weekday

Location: Harrison Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	987	97	55.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
Med Trucks	5	0	43.3	41.5	36.9	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	5	0	48.6	46.7	42.2	37.7	33.2	28.7	24.2	19.6
TOTAL	997	98	56.1	54.3	49.8	45.3	40.8	36.3	31.8	27.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1458	143	56.7	54.9	50.4	45.9	41.4	36.9	32.3	27.8
Med Trucks	7	1	45.0	43.2	38.6	34.1	29.6	25.1	20.6	16.1
Hvy Trucks	7	1	50.2	48.4	43.9	39.4	34.9	30.4	25.9	21.3
TOTAL	1473	144	57.8	56.0	51.5	47.0	42.5	38.0	33.5	28.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1523	149	56.9	55.1	50.6	46.1	41.6	37.0	32.5	28.0
Med Trucks	8	1	45.2	43.3	38.8	34.3	29.8	25.3	20.8	16.3
Hvy Trucks	8	1	50.4	48.6	44.1	39.6	35.1	30.6	26.0	21.5
TOTAL	1538	151	58.0	56.2	51.7	47.2	42.7	38.2	33.6	29.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	536	52	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Med Trucks	3	0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Hvy Trucks	3	0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
TOTAL	541	53	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	65	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HarrisonSchleismanAM2030 Year 2030 Weekday

Location: Harrison Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	987	97	55.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
Med Trucks	5	0	43.3	41.5	36.9	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	5	0	48.6	46.7	42.2	37.7	33.2	28.7	24.2	19.6
TOTAL	997	98	56.1	54.3	49.8	45.3	40.8	36.3	31.8	27.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3134	307	60.1	58.2	53.7	49.2	44.7	40.2	35.7	31.2
Med Trucks	16	2	48.3	46.5	42.0	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	16	2	53.6	51.8	47.2	42.7	38.2	33.7	29.2	24.7
TOTAL	3166	310	61.2	59.4	54.8	50.3	45.8	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3181	311	60.1	58.3	53.8	49.3	44.8	40.2	35.7	31.2
Med Trucks	16	2	48.4	46.5	42.0	37.5	33.0	28.5	24.0	19.5
Hvy Trucks	16	2	53.6	51.8	47.3	42.8	38.3	33.8	29.2	24.7
TOTAL	3213	315	61.2	59.4	54.9	50.4	45.9	41.4	36.8	32.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2194	215	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Med Trucks	11	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Hvy Trucks	11	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
TOTAL	2216	217	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
CHANGE FROM FUTURE NO PROJECT										
Autos	47	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	47	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HarrisonSchleismanPM2019 Year 2019 Weekday

Location: Harrison Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	851	83	54.4	52.6	48.1	43.6	39.0	34.5	30.0	25.5
Med Trucks	4	0	42.6	40.8	36.3	31.8	27.3	22.8	18.2	13.7
Hvy Trucks	4	0	47.9	46.1	41.6	37.1	32.6	28.0	23.5	19.0
TOTAL	860	84	55.5	53.7	49.2	44.7	40.1	35.6	31.1	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1542	151	57.0	55.2	50.6	46.1	41.6	37.1	32.6	28.1
Med Trucks	8	1	45.2	43.4	38.9	34.4	29.9	25.3	20.8	16.3
Hvy Trucks	8	1	50.5	48.7	44.2	39.6	35.1	30.6	26.1	21.6
TOTAL	1558	153	58.1	56.3	51.8	47.2	42.7	38.2	33.7	29.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1629	159	57.2	55.4	50.9	46.4	41.9	37.3	32.8	28.3
Med Trucks	8	1	45.4	43.6	39.1	34.6	30.1	25.6	21.1	16.5
Hvy Trucks	8	1	50.7	48.9	44.4	39.9	35.4	30.9	26.3	21.8
TOTAL	1645	161	58.3	56.5	52.0	47.5	43.0	38.4	33.9	29.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	777	76	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Med Trucks	4	0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Hvy Trucks	4	0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
TOTAL	785	77	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CHANGE FROM FUTURE NO PROJECT										
Autos	86	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	87	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HarrisonSchleismanPM2030 Year 2030 Weekday

Location: Harrison Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	851	83	54.4	52.6	48.1	43.6	39.0	34.5	30.0	25.5
Med Trucks	4	0	42.6	40.8	36.3	31.8	27.3	22.8	18.2	13.7
Hvy Trucks	4	0	47.9	46.1	41.6	37.1	32.6	28.0	23.5	19.0
TOTAL	860	84	55.5	53.7	49.2	44.7	40.1	35.6	31.1	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4005	392	61.1	59.3	54.8	50.3	45.8	41.2	36.7	32.2
Med Trucks	20	2	49.4	47.5	43.0	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	20	2	54.6	52.8	48.3	43.8	39.3	34.8	30.2	25.7
TOTAL	4045	396	62.2	60.4	55.9	51.4	46.9	42.4	37.8	33.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4065	398	61.2	59.4	54.9	50.3	45.8	41.3	36.8	32.3
Med Trucks	21	2	49.4	47.6	43.1	38.6	34.1	29.5	25.0	20.5
Hvy Trucks	21	2	54.7	52.9	48.4	43.9	39.3	34.8	30.3	25.8
TOTAL	4106	402	62.3	60.5	56.0	51.5	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3214	315	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Med Trucks	16	2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Hvy Trucks	16	2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
TOTAL	3246	318	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
CHANGE FROM FUTURE NO PROJECT										
Autos	60	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	61	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannChinoCoronaAM2019 Year 2019 Weekday

Location: Hellman Avenue at Chino Corona Road/Chandler Street

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	859	84	54.4	52.6	48.1	43.6	39.1	34.6	30.0	25.5
Med Trucks	4	0	42.7	40.9	36.3	31.8	27.3	22.8	18.3	13.8
Hvy Trucks	4	0	48.0	46.1	41.6	37.1	32.6	28.1	23.6	19.0
TOTAL	868	85	55.5	53.7	49.2	44.7	40.2	35.7	31.2	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1240	121	56.0	54.2	49.7	45.2	40.7	36.2	31.6	27.1
Med Trucks	6	1	44.3	42.5	37.9	33.4	28.9	24.4	19.9	15.4
Hvy Trucks	6	1	49.5	47.7	43.2	38.7	34.2	29.7	25.2	20.6
TOTAL	1253	123	57.1	55.3	50.8	46.3	41.8	37.3	32.8	28.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1421	139	56.6	54.8	50.3	45.8	41.3	36.7	32.2	27.7
Med Trucks	7	1	44.9	43.0	38.5	34.0	29.5	25.0	20.5	16.0
Hvy Trucks	7	1	50.1	48.3	43.8	39.3	34.8	30.3	25.7	21.2
TOTAL	1435	141	57.7	55.9	51.4	46.9	42.4	37.9	33.3	28.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	561	55	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	3	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	3	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	567	56	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	180	18	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Med Trucks	1	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Hvy Trucks	1	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL	182	18	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannChinoCoronaAM2030 Year 2030 Weekday

Location: Hellman Avenue at Chino Corona Road/Chandler Street

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	859	84	54.4	52.6	48.1	43.6	39.1	34.6	30.0	25.5
Med Trucks	4	0	42.7	40.9	36.3	31.8	27.3	22.8	18.3	13.8
Hvy Trucks	4	0	48.0	46.1	41.6	37.1	32.6	28.1	23.6	19.0
TOTAL	868	85	55.5	53.7	49.2	44.7	40.2	35.7	31.2	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2321	227	58.8	56.9	52.4	47.9	43.4	38.9	34.4	29.8
Med Trucks	12	1	47.0	45.2	40.7	36.1	31.6	27.1	22.6	18.1
Hvy Trucks	12	1	52.3	50.5	45.9	41.4	36.9	32.4	27.9	23.4
TOTAL	2344	230	59.9	58.0	53.5	49.0	44.5	40.0	35.5	31.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2532	248	59.1	57.3	52.8	48.3	43.8	39.3	34.7	30.2
Med Trucks	13	1	47.4	45.6	41.0	36.5	32.0	27.5	23.0	18.5
Hvy Trucks	13	1	52.6	50.8	46.3	41.8	37.3	32.8	28.3	23.7
TOTAL	2558	250	60.2	58.4	53.9	49.4	44.9	40.4	35.9	31.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1673	164	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Med Trucks	8	1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Hvy Trucks	8	1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
TOTAL	1690	165	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
CHANGE FROM FUTURE NO PROJECT										
Autos	212	21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	214	21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannChinoCoronaPM2019 Year 2019 Weekday

Location: Hellman Avenue at Chino Corona Road/Chandler Street

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	774	76	54.0	52.2	47.7	43.1	38.6	34.1	29.6	25.1
Med Trucks	4	0	42.2	40.4	35.9	31.4	26.9	22.3	17.8	13.3
Hvy Trucks	4	0	47.5	45.7	41.2	36.7	32.1	27.6	23.1	18.6
TOTAL	782	77	55.1	53.3	48.8	44.2	39.7	35.2	30.7	26.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1379	135	56.5	54.7	50.2	45.6	41.1	36.6	32.1	27.6
Med Trucks	7	1	44.7	42.9	38.4	33.9	29.4	24.9	20.3	15.8
Hvy Trucks	7	1	50.0	48.2	43.7	39.2	34.6	30.1	25.6	21.1
TOTAL	1393	136	57.6	55.8	51.3	46.8	42.2	37.7	33.2	28.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1610	158	57.2	55.3	50.8	46.3	41.8	37.3	32.8	28.3
Med Trucks	8	1	45.4	43.6	39.1	34.6	30.0	25.5	21.0	16.5
Hvy Trucks	8	1	50.7	48.9	44.3	39.8	35.3	30.8	26.3	21.8
TOTAL	1626	159	58.3	56.5	51.9	47.4	42.9	38.4	33.9	29.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	836	82	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Med Trucks	4	0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Hvy Trucks	4	0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	844	83	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CHANGE FROM FUTURE NO PROJECT										
Autos	231	23	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Med Trucks	1	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hvy Trucks	1	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
TOTAL	233	23	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannChinoCoronaPM2030 Year 2030 Weekday

Location: Hellman Avenue at Chino Corona Road/Chandler Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	774	76	54.0	52.2	47.7	43.1	38.6	34.1	29.6	25.1
Med Trucks	4	0	42.2	40.4	35.9	31.4	26.9	22.3	17.8	13.3
Hvy Trucks	4	0	47.5	45.7	41.2	36.7	32.1	27.6	23.1	18.6
TOTAL	782	77	55.1	53.3	48.8	44.2	39.7	35.2	30.7	26.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3103	304	60.0	58.2	53.7	49.2	44.7	40.1	35.6	31.1
Med Trucks	16	2	48.2	46.4	41.9	37.4	32.9	28.4	23.9	19.3
Hvy Trucks	16	2	53.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	3134	307	61.1	59.3	54.8	50.3	45.8	41.2	36.7	32.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3342	327	60.3	58.5	54.0	49.5	45.0	40.5	35.9	31.4
Med Trucks	17	2	48.6	46.8	42.2	37.7	33.2	28.7	24.2	19.7
Hvy Trucks	17	2	53.9	52.0	47.5	43.0	38.5	34.0	29.5	24.9
TOTAL	3376	331	61.4	59.6	55.1	50.6	46.1	41.6	37.1	32.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2568	251	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Med Trucks	13	1	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Hvy Trucks	13	1	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
TOTAL	2594	254	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
CHANGE FROM FUTURE NO PROJECT										
Autos	240	23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	242	24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannKimballAM2019 Year 2019 Weekday

Location: Hellman Avenue at Kimball Avenue/Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	574	56	52.7	50.9	46.4	41.8	37.3	32.8	28.3	23.8
Med Trucks	3	0	40.9	39.1	34.6	30.1	25.6	21.0	16.5	12.0
Hvy Trucks	3	0	46.2	44.4	39.9	35.4	30.8	26.3	21.8	17.3
TOTAL	580	57	53.8	52.0	47.5	43.0	38.4	33.9	29.4	24.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	574	56	52.7	50.9	46.4	41.8	37.3	32.8	28.3	23.8
Med Trucks	3	0	40.9	39.1	34.6	30.1	25.6	21.0	16.5	12.0
Hvy Trucks	3	0	46.2	44.4	39.9	35.4	30.8	26.3	21.8	17.3
TOTAL	580	57	53.8	52.0	47.5	43.0	38.4	33.9	29.4	24.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	574	56	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	580	57	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannKimballaM2030 Year 2030 Weekday

Location: Hellman Avenue at Kimball Avenue/Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2228	218		58.6	56.8	52.2	47.7	43.2	38.7	34.2	29.7
Med Trucks	11	1		46.8	45.0	40.5	36.0	31.5	26.9	22.4	17.9
Hvy Trucks	11	1		52.1	50.3	45.8	41.2	36.7	32.2	27.7	23.2
TOTAL	2250	220		59.7	57.9	53.4	48.8	44.3	39.8	35.3	30.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2262	222		58.6	56.8	52.3	47.8	43.3	38.8	34.2	29.7
Med Trucks	11	1		46.9	45.1	40.5	36.0	31.5	27.0	22.5	18.0
Hvy Trucks	11	1		52.2	50.3	45.8	41.3	36.8	32.3	27.8	23.2
TOTAL	2285	224		59.7	57.9	53.4	48.9	44.4	39.9	35.4	30.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2262	222	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	11	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	11	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2285	224	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	35	3		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	35	3		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannKimballPM2019 Year 2019 Weekday

Location: Hellman Avenue at Kimball Avenue/Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1007	99	55.1	53.3	48.8	44.3	39.8	35.2	30.7	26.2
Med Trucks	5	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.5
Hvy Trucks	5	0	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
TOTAL	1017	100	56.2	54.4	49.9	45.4	40.9	36.4	31.8	27.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1007	99	55.1	53.3	48.8	44.3	39.8	35.2	30.7	26.2
Med Trucks	5	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.5
Hvy Trucks	5	0	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
TOTAL	1017	100	56.2	54.4	49.9	45.4	40.9	36.4	31.8	27.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1007	99	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	5	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	5	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1017	100	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannKimballAM2030 Year 2030 Weekday

Location: Hellman Avenue at Kimball Avenue/Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3870	379		61.0	59.2	54.6	50.1	45.6	41.1	36.6	32.1
Med Trucks	20	2		49.2	47.4	42.9	38.4	33.8	29.3	24.8	20.3
Hvy Trucks	20	2		54.5	52.7	48.2	43.6	39.1	34.6	30.1	25.6
TOTAL	3909	383		62.1	60.3	55.8	51.2	46.7	42.2	37.7	33.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3931	385		61.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Med Trucks	20	2		49.3	47.5	42.9	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	20	2		54.6	52.7	48.2	43.7	39.2	34.7	30.2	25.7
TOTAL	3971	389		62.1	60.3	55.8	51.3	46.8	42.3	37.8	33.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3931	385	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	20	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	20	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	3971	389	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	61	6		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	62	6		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-HellmannPineAM2019

Location: Hellman Avenue at Pine Avenue/Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	1316	129	56.3	54.5	50.0	45.4	40.9	36.4	31.9	27.4
Med Trucks	7	1	44.5	42.7	38.2	33.7	29.2	24.6	20.1	15.6
Hvy Trucks	7	1	49.8	48.0	43.5	39.0	34.4	29.9	25.4	20.9
TOTAL	1329	130	57.4	55.6	51.1	46.6	42.0	37.5	33.0	28.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2115	207	58.3	56.5	52.0	47.5	43.0	38.5	34.0	29.4
Med Trucks	11	1	46.6	44.8	40.3	35.7	31.2	26.7	22.2	17.7
Hvy Trucks	11	1	51.9	50.0	45.5	41.0	36.5	32.0	27.5	23.0
TOTAL	2136	209	59.5	57.6	53.1	48.6	44.1	39.6	35.1	30.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2140	210	58.4	56.6	52.1	47.6	43.0	38.5	34.0	29.5
Med Trucks	11	1	46.6	44.8	40.3	35.8	31.3	26.8	22.2	17.7
Hvy Trucks	11	1	51.9	50.1	45.6	41.1	36.6	32.0	27.5	23.0
TOTAL	2162	212	59.5	57.7	53.2	48.7	44.2	39.6	35.1	30.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	825	81	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Med Trucks	4	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Hvy Trucks	4	0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TOTAL	833	82	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannPineAM2030 Year 2030 Weekday

Location: Hellman Avenue at Pine Avenue/Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	1316	129	56.3	54.5	50.0	45.4	40.9	36.4	31.9	27.4
Med Trucks	7	1	44.5	42.7	38.2	33.7	29.2	24.6	20.1	15.6
Hvy Trucks	7	1	49.8	48.0	43.5	39.0	34.4	29.9	25.4	20.9
TOTAL	1329	130	57.4	55.6	51.1	46.6	42.0	37.5	33.0	28.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4387	430	61.5	59.7	55.2	50.7	46.2	41.6	37.1	32.6
Med Trucks	22	2	49.8	47.9	43.4	38.9	34.4	29.9	25.4	20.8
Hvy Trucks	22	2	55.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
TOTAL	4431	434	62.6	60.8	56.3	51.8	47.3	42.8	38.2	33.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4498	440	61.6	59.8	55.3	50.8	46.3	41.7	37.2	32.7
Med Trucks	23	2	49.9	48.0	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	23	2	55.1	53.3	48.8	44.3	39.8	35.3	30.7	26.2
TOTAL	4543	445	62.7	60.9	56.4	51.9	47.4	42.9	38.3	33.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3182	312	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Med Trucks	16	2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Hvy Trucks	16	2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
TOTAL	3214	315	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
CHANGE FROM FUTURE NO PROJECT										
Autos	111	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	112	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-HellmannPinePM2019

Location: Hellman Avenue at Pine Avenue/Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1006	98	55.1	53.3	48.8	44.3	39.8	35.2	30.7	26.2
Med Trucks	5	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.5
Hvy Trucks	5	0	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
TOTAL	1016	99	56.2	54.4	49.9	45.4	40.9	36.4	31.8	27.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2172	213	58.5	56.7	52.1	47.6	43.1	38.6	34.1	29.6
Med Trucks	11	1	46.7	44.9	40.4	35.9	31.3	26.8	22.3	17.8
Hvy Trucks	11	1	52.0	50.2	45.7	41.1	36.6	32.1	27.6	23.1
TOTAL	2194	215	59.6	57.8	53.2	48.7	44.2	39.7	35.2	30.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2201	215	58.5	56.7	52.2	47.7	43.2	38.6	34.1	29.6
Med Trucks	11	1	46.8	44.9	40.4	35.9	31.4	26.9	22.4	17.9
Hvy Trucks	11	1	52.0	50.2	45.7	41.2	36.7	32.2	27.6	23.1
TOTAL	2223	218	59.6	57.8	53.3	48.8	44.3	39.8	35.2	30.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1195	117	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Med Trucks	6	1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Hvy Trucks	6	1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
TOTAL	1207	118	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
CHANGE FROM FUTURE NO PROJECT										
Autos	29	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	29	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2030 Weekday

FILE: NOISE-HellmannPinePM2030

Location: Hellman Avenue at Pine Avenue/Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1006	98	55.1	53.3	48.8	44.3	39.8	35.2	30.7	26.2
Med Trucks	5	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.5
Hvy Trucks	5	0	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
TOTAL	1016	99	56.2	54.4	49.9	45.4	40.9	36.4	31.8	27.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	5494	538	62.5	60.7	56.2	51.6	47.1	42.6	38.1	33.6
Med Trucks	28	3	50.7	48.9	44.4	39.9	35.4	30.9	26.3	21.8
Hvy Trucks	28	3	56.0	54.2	49.7	45.2	40.6	36.1	31.6	27.1
TOTAL	5549	543	63.6	61.8	57.3	52.8	48.2	43.7	39.2	34.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	5623	551	62.6	60.8	56.3	51.8	47.2	42.7	38.2	33.7
Med Trucks	28	3	50.8	49.0	44.5	40.0	35.5	31.0	26.4	21.9
Hvy Trucks	28	3	56.1	54.3	49.8	45.3	40.8	36.2	31.7	27.2
TOTAL	5680	556	63.7	61.9	57.4	52.9	48.3	43.8	39.3	34.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	4617	452	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Med Trucks	23	2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Hvy Trucks	23	2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
TOTAL	4664	457	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
CHANGE FROM FUTURE NO PROJECT										
Autos	130	13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	131	13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannRiverAM2019 Year 2019 Weekday

Location: Hellman Avenue at River Road

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	562	55	52.6	50.8	46.3	41.8	37.2	32.7	28.2	23.7
Med Trucks	3	0	40.8	39.0	34.5	30.0	25.5	21.0	16.4	11.9
Hvy Trucks	3	0	46.1	44.3	39.8	35.3	30.8	26.2	21.7	17.2
TOTAL	568	56	53.7	51.9	47.4	42.9	38.3	33.8	29.3	24.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	912	89	54.7	52.9	48.4	43.8	39.3	34.8	30.3	25.8
Med Trucks	5	0	42.9	41.1	36.6	32.1	27.6	23.1	18.5	14.0
Hvy Trucks	5	0	48.2	46.4	41.9	37.4	32.9	28.3	23.8	19.3
TOTAL	921	90	55.8	54.0	49.5	45.0	40.4	35.9	31.4	26.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	976	96	55.0	53.2	48.7	44.1	39.6	35.1	30.6	26.1
Med Trucks	5	0	43.2	41.4	36.9	32.4	27.9	23.4	18.8	14.3
Hvy Trucks	5	0	48.5	46.7	42.2	37.7	33.1	28.6	24.1	19.6
TOTAL	986	97	56.1	54.3	49.8	45.3	40.7	36.2	31.7	27.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	414	41	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	2	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	2	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	418	41	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	65	6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannRiverAM2030 Year 2030 Weekday

Location: Hellman Avenue at River Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	562	55	52.6	50.8	46.3	41.8	37.2	32.7	28.2	23.7
Med Trucks	3	0	40.8	39.0	34.5	30.0	25.5	21.0	16.4	11.9
Hvy Trucks	3	0	46.1	44.3	39.8	35.3	30.8	26.2	21.7	17.2
TOTAL	568	56	53.7	51.9	47.4	42.9	38.3	33.8	29.3	24.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1911	187	57.9	56.1	51.6	47.1	42.5	38.0	33.5	29.0
Med Trucks	10	1	46.1	44.3	39.8	35.3	30.8	26.3	21.8	17.2
Hvy Trucks	10	1	51.4	49.6	45.1	40.6	36.1	31.5	27.0	22.5
TOTAL	1930	189	59.0	57.2	52.7	48.2	43.7	39.1	34.6	30.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2000	196	58.1	56.3	51.8	47.3	42.7	38.2	33.7	29.2
Med Trucks	10	1	46.3	44.5	40.0	35.5	31.0	26.5	22.0	17.4
Hvy Trucks	10	1	51.6	49.8	45.3	40.8	36.3	31.7	27.2	22.7
TOTAL	2020	198	59.2	57.4	52.9	48.4	43.9	39.3	34.8	30.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1437	141	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Med Trucks	7	1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Hvy Trucks	7	1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
TOTAL	1452	142	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
CHANGE FROM FUTURE NO PROJECT										
Autos	89	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	90	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannRiverPM2019 Year 2019 Weekday

Location: Hellman Avenue at River Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	503	49	52.1	50.3	45.8	41.3	36.8	32.2	27.7	23.2
Med Trucks	3	0	40.3	38.5	34.0	29.5	25.0	20.5	16.0	11.4
Hvy Trucks	3	0	45.6	43.8	39.3	34.8	30.3	25.8	21.2	16.7
TOTAL	508	50	53.2	51.4	46.9	42.4	37.9	33.3	28.8	24.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	984	96	55.0	53.2	48.7	44.2	39.7	35.2	30.6	26.1
Med Trucks	5	0	43.3	41.4	36.9	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	5	0	48.5	46.7	42.2	37.7	33.2	28.7	24.2	19.6
TOTAL	994	97	56.1	54.3	49.8	45.3	40.8	36.3	31.7	27.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1066	104	55.4	53.6	49.0	44.5	40.0	35.5	31.0	26.5
Med Trucks	5	1	43.6	41.8	37.3	32.8	28.3	23.7	19.2	14.7
Hvy Trucks	5	1	48.9	47.1	42.6	38.0	33.5	29.0	24.5	20.0
TOTAL	1077	105	56.5	54.7	50.2	45.6	41.1	36.6	32.1	27.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	563	55	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Med Trucks	3	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Hvy Trucks	3	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
TOTAL	569	56	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
CHANGE FROM FUTURE NO PROJECT										
Autos	82	8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	83	8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-HellmannRiverPM2030 Year 2030 Weekday

Location: Hellman Avenue at River Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	503	49	52.1	50.3	45.8	41.3	36.8	32.2	27.7	23.2
Med Trucks	3	0	40.3	38.5	34.0	29.5	25.0	20.5	16.0	11.4
Hvy Trucks	3	0	45.6	43.8	39.3	34.8	30.3	25.8	21.2	16.7
TOTAL	508	50	53.2	51.4	46.9	42.4	37.9	33.3	28.8	24.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2356	231	58.8	57.0	52.5	48.0	43.5	38.9	34.4	29.9
Med Trucks	12	1	47.1	45.2	40.7	36.2	31.7	27.2	22.7	18.1
Hvy Trucks	508	1	52.3	50.5	46.0	41.5	37.0	32.5	27.9	23.4
TOTAL	2380	233	59.9	58.1	53.6	49.1	44.6	40.1	35.5	31.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2450	240	59.0	57.2	52.7	48.1	43.6	39.1	34.6	30.1
Med Trucks	12	1	47.2	45.4	40.9	36.4	31.9	27.3	22.8	18.3
Hvy Trucks	12	1	52.5	50.7	46.2	41.7	37.1	32.6	28.1	23.6
TOTAL	2475	242	60.1	58.3	53.8	49.3	44.7	40.2	35.7	31.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1947	191	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Med Trucks	10	1	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Hvy Trucks	10	1	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
TOTAL	1967	193	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
CHANGE FROM FUTURE NO PROJECT										
Autos	94	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	-496	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	95	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBLimoniteAM2019 Year 2019 Weekday

Location: I-215 Northbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	2776	272	62.3	59.5	55.0	50.5	46.0	41.4	36.9	32.4
Med Trucks	14	1	50.1	47.3	42.8	38.3	33.8	29.3	24.8	20.2
Hvy Trucks	14	1	54.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	2804	275	63.1	60.4	55.9	51.4	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2930	287	62.5	59.7	55.2	50.7	46.2	41.7	37.2	32.6
Med Trucks	15	1	50.3	47.6	43.1	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	51.9	47.4	42.9	38.4	33.9	29.4	24.9
TOTAL	2960	290	63.4	60.6	56.1	51.6	47.1	42.6	38.1	33.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2936	288	62.5	59.8	55.2	50.7	46.2	41.7	37.2	32.7
Med Trucks	15	1	50.3	47.6	43.1	38.5	34.0	29.5	25.0	20.5
Hvy Trucks	15	1	54.7	52.0	47.4	42.9	38.4	33.9	29.4	24.9
TOTAL	2966	290	63.4	60.6	56.1	51.6	47.1	42.6	38.1	33.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	160	16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	162	16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CHANGE FROM FUTURE NO PROJECT										
Autos	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBLimoniteAM2030 Year 2030 Weekday

Location: I-215 Northbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2776	272	62.3	59.5	55.0	50.5	46.0	41.4	36.9	32.4
Med Trucks	14	1	50.1	47.3	42.8	38.3	33.8	29.3	24.8	20.2
Hvy Trucks	14	1	54.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	2804	275	63.1	60.4	55.9	51.4	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3478	341	63.2	60.5	56.0	51.5	46.9	42.4	37.9	33.4
Med Trucks	18	2	51.1	48.3	43.8	39.3	34.8	30.3	25.7	21.2
Hvy Trucks	18	2	55.4	52.7	48.2	43.7	39.1	34.6	30.1	25.6
TOTAL	3513	344	64.1	61.4	56.9	52.3	47.8	43.3	38.8	34.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3490	342	63.2	60.5	56.0	51.5	47.0	42.4	37.9	33.4
Med Trucks	18	2	51.1	48.3	43.8	39.3	34.8	30.3	25.8	21.2
Hvy Trucks	18	2	55.5	52.7	48.2	43.7	39.2	34.6	30.1	25.6
TOTAL	3525	345	64.1	61.4	56.9	52.4	47.8	43.3	38.8	34.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	714	70	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	721	71	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHANGE FROM FUTURE NO PROJECT										
Autos	12	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	12	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBLimonitePM2019 Year 2019 Weekday

Location: I-215 Northbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3282	321	63.0	60.2	55.7	51.2	46.7	42.2	37.7	33.1
Med Trucks	17	2	50.8	48.1	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
TOTAL	3315	325	63.9	61.1	56.6	52.1	47.6	43.1	38.5	34.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3520	345	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.4
Med Trucks	18	2	51.1	48.4	43.9	39.3	34.8	30.3	25.8	21.3
Hvy Trucks	18	2	55.5	52.7	48.2	43.7	39.2	34.7	30.2	25.7
TOTAL	3556	348	64.2	61.4	56.9	52.4	47.9	43.4	38.8	34.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3528	345	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.5
Med Trucks	18	2	51.1	48.4	43.9	39.3	34.8	30.3	25.8	21.3
Hvy Trucks	18	2	55.5	52.8	48.2	43.7	39.2	34.7	30.2	25.7
TOTAL	3564	349	64.2	61.4	56.9	52.4	47.9	43.4	38.9	34.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	247	24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	249	24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CHANGE FROM FUTURE NO PROJECT										
Autos	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBLimonitePM2030 Year 2030 Weekday

Location: I-215 Northbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	3282	321	63.0	60.2	55.7	51.2	46.7	42.2	37.7	33.1
Med Trucks	17	2	50.8	48.1	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
TOTAL	3315	325	63.9	61.1	56.6	52.1	47.6	43.1	38.5	34.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4362	427	64.2	61.5	57.0	52.4	47.9	43.4	38.9	34.4
Med Trucks	22	2	52.0	49.3	44.8	40.3	35.8	31.2	26.7	22.2
Hvy Trucks	22	2	56.4	53.7	49.2	44.6	40.1	35.6	31.1	26.6
TOTAL	4406	431	65.1	62.4	57.8	53.3	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4371	428	64.2	61.5	57.0	52.4	47.9	43.4	38.9	34.4
Med Trucks	22	2	52.1	49.3	44.8	40.3	35.8	31.2	26.7	22.2
Hvy Trucks	22	2	56.4	53.7	49.2	44.7	40.1	35.6	31.1	26.6
TOTAL	4415	432	65.1	62.4	57.9	53.3	48.8	44.3	39.8	35.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1089	107	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Med Trucks	6	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Hvy Trucks	6	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TOTAL	1100	108	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBSchleismanAM2019 Year 2019 Weekday

Location: I-215 Northbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	508	50	54.9	52.1	47.6	43.1	38.6	34.1	29.6	25.0
Med Trucks	3	0	42.7	40.0	35.4	30.9	26.4	21.9	17.4	12.9
Hvy Trucks	3	0	47.1	44.3	39.8	35.3	30.8	26.3	21.8	17.2
TOTAL	513	50	55.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	527	52	55.0	52.3	47.8	43.3	38.7	34.2	29.7	25.2
Med Trucks	3	0	42.9	40.1	35.6	31.1	26.6	22.1	17.5	13.0
Hvy Trucks	3	0	47.2	44.5	40.0	35.5	30.9	26.4	21.9	17.4
TOTAL	532	52	55.9	53.2	48.7	44.1	39.6	35.1	30.6	26.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	527	52	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	532	52	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	19	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	19	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBSchleismanAM2030 Year 2030 Weekday

Location: I-215 Northbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters)	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2080	204	61.0	58.3	53.7	49.2	44.7	40.2	35.7	31.2
Med Trucks	11	1	48.8	46.1	41.6	37.1	32.5	28.0	23.5	19.0
Hvy Trucks	11	1	53.2	50.5	45.9	41.4	36.9	32.4	27.9	23.4
TOTAL	2101	206	61.9	59.1	54.6	50.1	45.6	41.1	36.6	32.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2100	206	61.0	58.3	53.8	49.3	44.7	40.2	35.7	31.2
Med Trucks	11	1	48.9	46.1	41.6	37.1	32.6	28.1	23.5	19.0
Hvy Trucks	11	1	53.2	50.5	46.0	41.5	37.0	32.4	27.9	23.4
TOTAL	2121	208	61.9	59.2	54.7	50.2	45.6	41.1	36.6	32.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2100	206	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	11	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	11	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2121	208	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	20	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	20	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBSchleismanPM2019 Year 2019 Weekday

Location: I-215 Northbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters)	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	611	60	55.7	52.9	48.4	43.9	39.4	34.9	30.4	25.8
Med Trucks	3	0	43.5	40.8	36.2	31.7	27.2	22.7	18.2	13.7
Hvy Trucks	3	0	47.9	45.1	40.6	36.1	31.6	27.1	22.6	18.0
TOTAL	617	60	56.6	53.8	49.3	44.8	40.3	35.8	31.2	26.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	636	62	55.8	53.1	48.6	44.1	39.6	35.0	30.5	26.0
Med Trucks	3	0	43.7	40.9	36.4	31.9	27.4	22.9	18.4	13.8
Hvy Trucks	3	0	48.1	45.3	40.8	36.3	31.8	27.2	22.7	18.2
TOTAL	642	63	56.7	54.0	49.5	45.0	40.4	35.9	31.4	26.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	636	62	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	642	63	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	25	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	25	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15NBSchleismanPM2030 Year 2030 Weekday

Location: I-215 Northbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters)	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2553	250	61.9	59.1	54.6	50.1	45.6	41.1	36.6	32.1
Med Trucks	13	1	49.7	47.0	42.5	37.9	33.4	28.9	24.4	19.9
Hvy Trucks	13	1	54.1	51.4	46.8	42.3	37.8	33.3	28.8	24.3
TOTAL	2579	253	62.8	60.0	55.5	51.0	46.5	42.0	37.5	32.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2574	252	61.9	59.2	54.7	50.1	45.6	41.1	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	28.9	24.4	19.9
Hvy Trucks	13	1	54.1	51.4	46.9	42.4	37.8	33.3	28.8	24.3
TOTAL	2600	255	62.8	60.1	55.6	51.0	46.5	42.0	37.5	33.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2574	252	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	13	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	13	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2600	255	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	21	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBLimoniteAM2019 Year 2019 Weekday

Location: I-215 Southbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	3152	309	62.8	60.1	55.5	51.0	46.5	42.0	37.5	33.0
Med Trucks	16	2	50.6	47.9	43.4	38.9	34.3	29.8	25.3	20.8
Hvy Trucks	16	2	55.0	52.3	47.8	43.2	38.7	34.2	29.7	25.2
TOTAL	3184	312	63.7	60.9	56.4	51.9	47.4	42.9	38.4	33.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3349	328	63.1	60.3	55.8	51.3	46.8	42.3	37.7	33.2
Med Trucks	17	2	50.9	48.2	43.6	39.1	34.6	30.1	25.6	21.1
Hvy Trucks	17	2	55.3	52.5	48.0	43.5	39.0	34.5	30.0	25.4
TOTAL	3383	331	64.0	61.2	56.7	52.2	47.7	43.1	38.6	34.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3355	329	63.1	60.3	55.8	51.3	46.8	42.3	37.8	33.2
Med Trucks	17	2	50.9	48.2	43.6	39.1	34.6	30.1	25.6	21.1
Hvy Trucks	17	2	55.3	52.5	48.0	43.5	39.0	34.5	30.0	25.4
TOTAL	3389	332	64.0	61.2	56.7	52.2	47.7	43.2	38.6	34.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	203	20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	205	20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CHANGE FROM FUTURE NO PROJECT										
Autos	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBLimoniteAM2030 Year 2030 Weekday

Location: I-215 Southbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	3152	309	62.8	60.1	55.5	51.0	46.5	42.0	37.5	33.0
Med Trucks	16	2	50.6	47.9	43.4	38.9	34.3	29.8	25.3	20.8
Hvy Trucks	16	2	55.0	52.3	47.8	43.2	38.7	34.2	29.7	25.2
TOTAL	3184	312	63.7	60.9	56.4	51.9	47.4	42.9	38.4	33.9
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4049	396	63.9	61.1	56.6	52.1	47.6	43.1	38.6	34.1
Med Trucks	20	2	51.7	49.0	44.5	39.9	35.4	30.9	26.4	21.9
Hvy Trucks	20	2	56.1	53.4	48.8	44.3	39.8	35.3	30.8	26.3
TOTAL	4090	400	64.8	62.0	57.5	53.0	48.5	44.0	39.5	34.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4064	398	63.9	61.2	56.6	52.1	47.6	43.1	38.6	34.1
Med Trucks	21	2	51.7	49.0	44.5	40.0	35.4	30.9	26.4	21.9
Hvy Trucks	21	2	56.1	53.4	48.9	44.3	39.8	35.3	30.8	26.3
TOTAL	4105	402	64.8	62.1	57.5	53.0	48.5	44.0	39.5	35.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	912	89	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Med Trucks	5	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Hvy Trucks	5	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOTAL	921	90	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CHANGE FROM FUTURE NO PROJECT										
Autos	15	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	15	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-I15SBLimonitePM2019

Location: I-215 Southbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	3409	334	63.1	60.4	55.9	51.4	46.9	42.3	37.8	33.3
Med Trucks	17	2	51.0	48.2	43.7	39.2	34.7	30.2	25.7	21.1
Hvy Trucks	17	2	55.4	52.6	48.1	43.6	39.1	34.5	30.0	25.5
TOTAL	3443	337	64.0	61.3	56.8	52.3	47.7	43.2	38.7	34.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	3640	356	63.4	60.7	56.2	51.7	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.3	48.5	44.0	39.5	35.0	30.5	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.9	39.3	34.8	30.3	25.8
TOTAL	3677	360	64.3	61.6	57.1	52.5	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	3648	357	63.4	60.7	56.2	51.7	47.1	42.6	38.1	33.6
Med Trucks	18	2	51.3	48.5	44.0	39.5	35.0	30.5	25.9	21.4
Hvy Trucks	18	2	55.6	52.9	48.4	43.9	39.4	34.8	30.3	25.8
TOTAL	3685	361	64.3	61.6	57.1	52.6	48.0	43.5	39.0	34.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	240	23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	242	24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CHANGE FROM FUTURE NO PROJECT										
Autos	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBLimonitePM2030 Year 2030 Weekday

Location: I-215 Southbound Ramps at Limonite Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	3409	334	63.1	60.4	55.9	51.4	46.9	42.3	37.8	33.3
Med Trucks	17	2	51.0	48.2	43.7	39.2	34.7	30.2	25.7	21.1
Hvy Trucks	17	2	55.4	52.6	48.1	43.6	39.1	34.5	30.0	25.5
TOTAL	3443	337	64.0	61.3	56.8	52.3	47.7	43.2	38.7	34.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4461	437	64.3	61.6	57.1	52.5	48.0	43.5	39.0	34.5
Med Trucks	23	2	52.1	49.4	44.9	40.4	35.9	31.3	26.8	22.3
Hvy Trucks	23	2	56.5	53.8	49.3	44.7	40.2	35.7	31.2	26.7
TOTAL	4506	441	65.2	62.5	57.9	53.4	48.9	44.4	39.9	35.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4470	438	64.3	61.6	57.1	52.5	48.0	43.5	39.0	34.5
Med Trucks	23	2	52.2	49.4	44.9	40.4	35.9	31.3	26.8	22.3
Hvy Trucks	23	2	56.5	53.8	49.3	44.8	40.2	35.7	31.2	26.7
TOTAL	4515	442	65.2	62.5	57.9	53.4	48.9	44.4	39.9	35.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1061	104	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Med Trucks	5	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Hvy Trucks	5	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TOTAL	1072	105	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBSchleismanAM2019 Year 2019 Weekday

Location: I-215 Southbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	543	53		55.2	52.4	47.9	43.4	38.9	34.4	29.8	25.3
Med Trucks	3	0		43.0	40.2	35.7	31.2	26.7	22.2	17.7	13.2
Hvy Trucks	3	0		47.4	44.6	40.1	35.6	31.1	26.6	22.0	17.5
TOTAL	548	54		56.0	53.3	48.8	44.3	39.8	35.2	30.7	26.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	580	57		55.5	52.7	48.2	43.7	39.2	34.6	30.1	25.6
Med Trucks	3	0		43.3	40.5	36.0	31.5	27.0	22.5	18.0	13.4
Hvy Trucks	3	0		47.7	44.9	40.4	35.9	31.4	26.9	22.3	17.8
TOTAL	586	57		56.3	53.6	49.1	44.6	40.0	35.5	31.0	26.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	580	57	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	3	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	586	57	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	38	4		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	38	4		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBSchleismanAM2030 Year 2030 Weekday

Location: I-215 Southbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2020	198	60.9	58.1	53.6	49.1	44.6	40.1	35.5	31.0
Med Trucks	10	1	48.7	46.0	41.4	36.9	32.4	27.9	23.4	18.9
Hvy Trucks	10	1	53.1	50.3	45.8	41.3	36.8	32.3	27.8	23.2
TOTAL	2040	200	61.8	59.0	54.5	50.0	45.5	41.0	36.4	31.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2046	200	60.9	58.2	53.7	49.2	44.6	40.1	35.6	31.1
Med Trucks	10	1	48.8	46.0	41.5	37.0	32.5	28.0	23.4	18.9
Hvy Trucks	10	1	53.1	50.4	45.9	41.4	36.8	32.3	27.8	23.3
TOTAL	2067	202	61.8	59.1	54.6	50.0	45.5	41.0	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2046	200	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	10	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	10	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2067	202	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	27	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	27	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBSchleismanPM2019 Year 2019 Weekday

Location: I-215 Southbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	721	71	56.4	53.7	49.1	44.6	40.1	35.6	31.1	26.6
Med Trucks	4	0	44.2	41.5	37.0	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	4	0	48.6	45.9	41.3	36.8	32.3	27.8	23.3	18.8
TOTAL	728	71	57.3	54.5	50.0	45.5	41.0	36.5	32.0	27.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	770	75	56.7	53.9	49.4	44.9	40.4	35.9	31.4	26.8
Med Trucks	4	0	44.5	41.8	37.3	32.7	28.2	23.7	19.2	14.7
Hvy Trucks	4	0	48.9	46.1	41.6	37.1	32.6	28.1	23.6	19.1
TOTAL	778	76	57.6	54.8	50.3	45.8	41.3	36.8	32.2	27.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	770	75	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	778	76	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	50	5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	50	5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-I15SBSchleismanPM2030 Year 2030 Weekday

Location: I-215 Southbound Ramps at Schleisman Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters)	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2826	277	62.3	59.6	55.1	50.6	46.0	41.5	37.0	32.5
Med Trucks	14	1	50.2	47.4	42.9	38.4	33.9	29.4	24.8	20.3
Hvy Trucks	14	1	54.5	51.8	47.3	42.8	38.2	33.7	29.2	24.7
TOTAL	2855	280	63.2	60.5	56.0	51.4	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2860	280	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.5
Med Trucks	14	1	50.2	47.5	43.0	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.8	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2889	283	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2860	280	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	14	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	14	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2889	283	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	34	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	34	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnPomonaAM2019 Year 2019 Weekday

Location: Lincoln Avenue at Pomona Road/SR 91 Westbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2461	241	61.7	59.0	54.5	50.0	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.6	33.1	28.6	24.1
TOTAL	2486	243	62.6	59.9	55.4	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2738	268	62.2	59.4	54.9	50.4	45.9	41.4	36.9	32.4
Med Trucks	14	1	50.0	47.3	42.8	38.2	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.7	47.1	42.6	38.1	33.6	29.1	24.6
TOTAL	2766	271	63.1	60.3	55.8	51.3	46.8	42.3	37.8	33.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2750	269	62.2	59.5	55.0	50.4	45.9	41.4	36.9	32.4
Med Trucks	14	1	50.0	47.3	42.8	38.3	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.7	47.2	42.6	38.1	33.6	29.1	24.6
TOTAL	2778	272	63.1	60.4	55.8	51.3	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	289	28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Med Trucks	1	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Hvy Trucks	1	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
TOTAL	292	29	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CHANGE FROM FUTURE NO PROJECT										
Autos	12	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	12	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnPomonaAM2030 Year 2030 Weekday

Location: Lincoln Avenue at Pomona Road/SR 91 Westbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2461	241	61.7	59.0	54.5	50.0	45.4	40.9	36.4	31.9
Med Trucks	12	1	49.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Hvy Trucks	12	1	53.9	51.2	46.7	42.2	37.6	33.1	28.6	24.1
TOTAL	2486	243	62.6	59.9	55.4	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3724	365	63.5	60.8	56.3	51.8	47.2	42.7	38.2	33.7
Med Trucks	19	2	51.4	48.6	44.1	39.6	35.1	30.6	26.0	21.5
Hvy Trucks	19	2	55.7	53.0	48.5	44.0	39.4	34.9	30.4	25.9
TOTAL	3762	368	64.4	61.7	57.2	52.6	48.1	43.6	39.1	34.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3745	367	63.6	60.8	56.3	51.8	47.3	42.7	38.2	33.7
Med Trucks	19	2	51.4	48.6	44.1	39.6	35.1	30.6	26.1	21.5
Hvy Trucks	19	2	55.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
TOTAL	3783	370	64.4	61.7	57.2	52.7	48.1	43.6	39.1	34.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1284	126	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	6	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	6	1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	1297	127	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	21	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnPomonaPM2019 Year 2019 Weekday

Location: Lincoln Avenue at Pomona Road/SR 91 Westbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2595	254	62.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.4	28.8	24.3
TOTAL	2621	257	62.8	60.1	55.6	51.1	46.6	42.0	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2746	269	62.2	59.5	54.9	50.4	45.9	41.4	36.9	32.4
Med Trucks	14	1	50.0	47.3	42.8	38.3	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.7	47.2	42.6	38.1	33.6	29.1	24.6
TOTAL	2774	272	63.1	60.3	55.8	51.3	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2762	270	62.2	59.5	55.0	50.5	45.9	41.4	36.9	32.4
Med Trucks	14	1	50.1	47.3	42.8	38.3	33.8	29.3	24.7	20.2
Hvy Trucks	14	1	54.4	51.7	47.2	42.7	38.1	33.6	29.1	24.6
TOTAL	2790	273	63.1	60.4	55.9	51.3	46.8	42.3	37.8	33.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	167	16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	169	17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CHANGE FROM FUTURE NO PROJECT										
Autos	16	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	16	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnPomonaPM2030 Year 2030 Weekday

Location: Lincoln Avenue at Pomona Road/SR 91 Westbound Ramps

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2595	254	62.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.4	28.8	24.3
TOTAL	2621	257	62.8	60.1	55.6	51.1	46.6	42.0	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3283	321	63.0	60.2	55.7	51.2	46.7	42.2	37.7	33.1
Med Trucks	17	2	50.8	48.1	43.5	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
TOTAL	3316	325	63.9	61.1	56.6	52.1	47.6	43.1	38.5	34.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3292	322	63.0	60.2	55.7	51.2	46.7	42.2	37.7	33.2
Med Trucks	17	2	50.8	48.1	43.6	39.0	34.5	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.5	47.9	43.4	38.9	34.4	29.9	25.4
TOTAL	3325	326	63.9	61.1	56.6	52.1	47.6	43.1	38.6	34.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	697	68	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	4	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	704	69	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnSR91EBAM2019 Year 2019 Weekday

Location: Lincoln Avenue at SR 91 Eastbound Ramps

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2607	255	62.0	59.2	54.7	50.2	45.7	41.2	36.7	32.1
Med Trucks	13	1	49.8	47.1	42.5	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.4	28.9	24.3
TOTAL	2633	258	62.9	60.1	55.6	51.1	46.6	42.1	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2861	280	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.5
Med Trucks	14	1	50.2	47.5	43.0	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.8	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2890	283	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2872	281	62.4	59.7	55.1	50.6	46.1	41.6	37.1	32.6
Med Trucks	15	1	50.2	47.5	43.0	38.5	33.9	29.4	24.9	20.4
Hvy Trucks	15	1	54.6	51.9	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2901	284	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	265	26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	268	26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
CHANGE FROM FUTURE NO PROJECT										
Autos	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnSR91EBAM2030 Year 2030 Weekday

Location: Lincoln Avenue at SR 91 Eastbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2607	255	62.0	59.2	54.7	50.2	45.7	41.2	36.7	32.1
Med Trucks	13	1	49.8	47.1	42.5	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.4	28.9	24.3
TOTAL	2633	258	62.9	60.1	55.6	51.1	46.6	42.1	37.5	33.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3765	369	63.6	60.8	56.3	51.8	47.3	42.8	38.3	33.7
Med Trucks	19	2	51.4	48.7	44.1	39.6	35.1	30.6	26.1	21.6
Hvy Trucks	19	2	55.8	53.0	48.5	44.0	39.5	35.0	30.5	25.9
TOTAL	3803	372	64.5	61.7	57.2	52.7	48.2	43.7	39.1	34.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3882	380	63.7	61.0	56.4	51.9	47.4	42.9	38.4	33.9
Med Trucks	20	2	51.5	48.8	44.3	39.8	35.2	30.7	26.2	21.7
Hvy Trucks	20	2	55.9	53.2	48.7	44.1	39.6	35.1	30.6	26.1
TOTAL	3921	384	64.6	61.9	57.3	52.8	48.3	43.8	39.3	34.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1275	125	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Med Trucks	6	1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Hvy Trucks	6	1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTAL	1288	126	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
CHANGE FROM FUTURE NO PROJECT										
Autos	117	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	118	12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnSR91EBPM2019 Year 2019 Weekday

Location: Lincoln Avenue at SR 91 Eastbound Ramps

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				75	150	300	600	1200	2400	4800
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	23	46	91 (meters)	183	366	732	1463
EXISTING (2007)										
Autos	2728	267	62.2	59.4	54.9	50.4	45.9	41.4	36.9	32.3
Med Trucks	14	1	50.0	47.3	42.7	38.2	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.6	47.1	42.6	38.1	33.6	29.1	24.5
TOTAL	2756	270	63.1	60.3	55.8	51.3	46.8	42.3	37.7	33.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2857	280	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.5
Med Trucks	14	1	50.2	47.5	42.9	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.8	47.3	42.8	38.3	33.8	29.3	24.7
TOTAL	2886	283	63.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2868	281	62.4	59.6	55.1	50.6	46.1	41.6	37.1	32.6
Med Trucks	14	1	50.2	47.5	43.0	38.4	33.9	29.4	24.9	20.4
Hvy Trucks	14	1	54.6	51.9	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2897	284	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	140	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	141	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CHANGE FROM FUTURE NO PROJECT										
Autos	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-LincolnSR91EBPM2030 Year 2030 Weekday

Location: Lincoln Avenue at SR 91 Eastbound Ramps

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2728	267	62.2	59.4	54.9	50.4	45.9	41.4	36.9	32.3
Med Trucks	14	1	50.0	47.3	42.7	38.2	33.7	29.2	24.7	20.2
Hvy Trucks	14	1	54.4	51.6	47.1	42.6	38.1	33.6	29.1	24.5
TOTAL	2756	270	63.1	60.3	55.8	51.3	46.8	42.3	37.7	33.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3316	325	63.0	60.3	55.8	51.2	46.7	42.2	37.7	33.2
Med Trucks	17	2	50.9	48.1	43.6	39.1	34.6	30.0	25.5	21.0
Hvy Trucks	17	2	55.2	52.5	48.0	43.5	38.9	34.4	29.9	25.4
TOTAL	3349	328	63.9	61.2	56.7	52.1	47.6	43.1	38.6	34.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3324	326	63.0	60.3	55.8	51.3	46.7	42.2	37.7	33.2
Med Trucks	17	2	50.9	48.1	43.6	39.1	34.6	30.1	25.5	21.0
Hvy Trucks	17	2	55.2	52.5	48.0	43.5	39.0	34.4	29.9	25.4
TOTAL	3358	329	63.9	61.2	56.7	52.1	47.6	43.1	38.6	34.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	596	58	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Med Trucks	3	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Hvy Trucks	3	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL	602	59	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainBickmoreAM2019 Year 2019 Weekday

Location: Main Street at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	127	12	46.1	44.3	39.8	35.3	30.8	26.2	21.7	17.2
Med Trucks	1	0	34.4	32.5	28.0	23.5	19.0	14.5	10.0	5.5
Hvy Trucks	1	0	39.6	37.8	33.3	28.8	24.3	19.8	15.2	10.7
TOTAL	128	13	47.2	45.4	40.9	36.4	31.9	27.4	22.8	18.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	140	14	46.5	44.7	40.2	35.7	31.2	26.7	22.2	17.6
Med Trucks	1	0	34.8	33.0	28.5	23.9	19.4	14.9	10.4	5.9
Hvy Trucks	1	0	40.1	38.2	33.7	29.2	24.7	20.2	15.7	11.2
TOTAL	141	14	47.7	45.8	41.3	36.8	32.3	27.8	23.3	18.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	140	14	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	1	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	1	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	141	14	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	13	1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	13	1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainBickmoreAM2030 Year 2030 Weekday

Location: Main Street at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	433	42	51.5	49.6	45.1	40.6	36.1	31.6	27.1	22.6
Med Trucks	2	0	39.7	37.9	33.4	28.8	24.3	19.8	15.3	10.8
Hvy Trucks	2	0	45.0	43.2	38.6	34.1	29.6	25.1	20.6	16.1
TOTAL	437	43	52.6	50.8	46.2	41.7	37.2	32.7	28.2	23.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	468	46	51.8	50.0	45.5	41.0	36.4	31.9	27.4	22.9
Med Trucks	2	0	40.0	38.2	33.7	29.2	24.7	20.2	15.6	11.1
Hvy Trucks	2	0	45.3	43.5	39.0	34.5	30.0	25.4	20.9	16.4
TOTAL	473	46	52.9	51.1	46.6	42.1	37.6	33.0	28.5	24.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	468	46	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	473	46	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	36	3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	36	4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainBickmorePM2019 Year 2019 Weekday

Location: Main Street at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	294	29	49.8	48.0	43.5	38.9	34.4	29.9	25.4	20.9
Med Trucks	1	0	38.0	36.2	31.7	27.2	22.7	18.1	13.6	9.1
Hvy Trucks	1	0	43.3	41.5	37.0	32.5	27.9	23.4	18.9	14.4
TOTAL	297	29	50.9	49.1	44.6	40.0	35.5	31.0	26.5	22.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	311	30	50.0	48.2	43.7	39.2	34.7	30.1	25.6	21.1
Med Trucks	2	0	38.3	36.4	31.9	27.4	22.9	18.4	13.9	9.4
Hvy Trucks	2	0	43.5	41.7	37.2	32.7	28.2	23.7	19.1	14.6
TOTAL	314	31	51.1	49.3	44.8	40.3	35.8	31.3	26.7	22.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	311	30	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	2	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	314	31	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	17	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	17	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainBickmorePM2030 Year 2030 Weekday

Location: Main Street at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1011	99	55.1	53.3	48.8	44.3	39.8	35.3	30.8	26.2
Med Trucks	5	0	43.4	41.6	37.0	32.5	28.0	23.5	19.0	14.5
Hvy Trucks	5	0	48.7	46.8	42.3	37.8	33.3	28.8	24.3	19.8
TOTAL	1021	100	56.3	54.4	49.9	45.4	40.9	36.4	31.9	27.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1037	101	55.3	53.4	48.9	44.4	39.9	35.4	30.9	26.3
Med Trucks	5	1	43.5	41.7	37.2	32.6	28.1	23.6	19.1	14.6
Hvy Trucks	5	1	48.8	47.0	42.4	37.9	33.4	28.9	24.4	19.9
TOTAL	1047	103	56.4	54.5	50.0	45.5	41.0	36.5	32.0	27.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1037	101	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	5	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	5	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1047	103	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainChinoCoronaAM2019 Year 2019 Weekday

Location: Main Street at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	586	57	52.8	51.0	46.4	41.9	37.4	32.9	28.4	23.9
Med Trucks	3	0	41.0	39.2	34.7	30.2	25.7	21.1	16.6	12.1
Hvy Trucks	3	0	46.3	44.5	40.0	35.4	30.9	26.4	21.9	17.4
TOTAL	592	58	53.9	52.1	47.6	43.0	38.5	34.0	29.5	25.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	807	79	54.2	52.3	47.8	43.3	38.8	34.3	29.8	25.3
Med Trucks	4	0	42.4	40.6	36.1	31.6	27.0	22.5	18.0	13.5
Hvy Trucks	4	0	47.7	45.9	41.3	36.8	32.3	27.8	23.3	18.8
TOTAL	815	80	55.3	53.5	48.9	44.4	39.9	35.4	30.9	26.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	807	79	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	4	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	815	80	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	221	22	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	223	22	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainChinoCoronaAM2030 Year 2030 Weekday

Location: Main Street at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	822	80		54.2	52.4	47.9	43.4	38.9	34.4	29.9	25.3
Med Trucks	4	0		42.5	40.7	36.2	31.6	27.1	22.6	18.1	13.6
Hvy Trucks	4	0		47.8	45.9	41.4	36.9	32.4	27.9	23.4	18.9
TOTAL	830	81		55.4	53.5	49.0	44.5	40.0	35.5	31.0	26.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1138	111		55.7	53.8	49.3	44.8	40.3	35.8	31.3	26.7
Med Trucks	6	1		43.9	42.1	37.6	33.0	28.5	24.0	19.5	15.0
Hvy Trucks	6	1		49.2	47.4	42.8	38.3	33.8	29.3	24.8	20.3
TOTAL	1149	113		56.8	55.0	50.4	45.9	41.4	36.9	32.4	27.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1138	111	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	6	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	6	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1149	113	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	316	31		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	2	0		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	2	0		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	319	31		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainChinoCoronaPM2019 Year 2019 Weekday

Location: Main Street at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	711	70	53.6	51.8	47.3	42.8	38.3	33.7	29.2	24.7
Med Trucks	4	0	41.8	40.0	35.5	31.0	26.5	22.0	17.5	12.9
Hvy Trucks	4	0	47.1	45.3	40.8	36.3	31.8	27.3	22.7	18.2
TOTAL	718	70	54.7	52.9	48.4	43.9	39.4	34.8	30.3	25.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	957	94	54.9	53.1	48.6	44.1	39.5	35.0	30.5	26.0
Med Trucks	5	0	43.1	41.3	36.8	32.3	27.8	23.3	18.8	14.2
Hvy Trucks	5	0	48.4	46.6	42.1	37.6	33.1	28.5	24.0	19.5
TOTAL	967	95	56.0	54.2	49.7	45.2	40.7	36.1	31.6	27.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	957	94	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	5	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	5	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	967	95	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	247	24	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Med Trucks	1	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Hvy Trucks	1	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTAL	249	24	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainChinoCoronaPM2030 Year 2030 Weekday

Location: Main Street at Chino Corona Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1082	106		55.4	53.6	49.1	44.6	40.1	35.6	31.0	26.5
Med Trucks	5	1		43.7	41.9	37.3	32.8	28.3	23.8	19.3	14.8
Hvy Trucks	5	1		49.0	47.1	42.6	38.1	33.6	29.1	24.6	20.0
TOTAL	1093	107		56.5	54.7	50.2	45.7	41.2	36.7	32.2	27.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1510	148		56.9	55.1	50.6	46.0	41.5	37.0	32.5	28.0
Med Trucks	8	1		45.1	43.3	38.8	34.3	29.8	25.2	20.7	16.2
Hvy Trucks	8	1		50.4	48.6	44.1	39.6	35.0	30.5	26.0	21.5
TOTAL	1525	149		58.0	56.2	51.7	47.2	42.6	38.1	33.6	29.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1510	148	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1525	149	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	428	42		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	2	0		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	2	0		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	432	42		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainKimballAM2019 Year 2019 Weekday

Location: Main Street at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	261	26	49.3	47.5	42.9	38.4	33.9	29.4	24.9	20.4
Med Trucks	1	0	37.5	35.7	31.2	26.7	22.1	17.6	13.1	8.6
Hvy Trucks	1	0	42.8	41.0	36.5	31.9	27.4	22.9	18.4	13.9
TOTAL	264	26	50.4	48.6	44.0	39.5	35.0	30.5	26.0	21.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	391	38	51.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Med Trucks	2	0	39.3	37.4	32.9	28.4	23.9	19.4	14.9	10.3
Hvy Trucks	2	0	44.5	42.7	38.2	33.7	29.2	24.7	20.1	15.6
TOTAL	395	39	52.1	50.3	45.8	41.3	36.8	32.3	27.7	23.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	391	38	51.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Med Trucks	2	0	39.3	37.4	32.9	28.4	23.9	19.4	14.9	10.3
Hvy Trucks	2	0	44.5	42.7	38.2	33.7	29.2	24.7	20.1	15.6
TOTAL	395	39	52.1	50.3	45.8	41.3	36.8	32.3	27.7	23.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	130	13	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Med Trucks	1	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Hvy Trucks	1	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTAL	131	13	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainKimballAM2030 Year 2030 Weekday

Location: Main Street at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	261	26	49.3	47.5	42.9	38.4	33.9	29.4	24.9	20.4
Med Trucks	1	0	37.5	35.7	31.2	26.7	22.1	17.6	13.1	8.6
Hvy Trucks	1	0	42.8	41.0	36.5	31.9	27.4	22.9	18.4	13.9
TOTAL	264	26	50.4	48.6	44.0	39.5	35.0	30.5	26.0	21.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	876	86	54.5	52.7	48.2	43.7	39.2	34.6	30.1	25.6
Med Trucks	4	0	42.8	40.9	36.4	31.9	27.4	22.9	18.4	13.9
Hvy Trucks	4	0	48.0	46.2	41.7	37.2	32.7	28.2	23.6	19.1
TOTAL	885	87	55.6	53.8	49.3	44.8	40.3	35.8	31.2	26.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	897	88	54.6	52.8	48.3	43.8	39.3	34.7	30.2	25.7
Med Trucks	5	0	42.9	41.0	36.5	32.0	27.5	23.0	18.5	14.0
Hvy Trucks	5	0	48.1	46.3	41.8	37.3	32.8	28.3	23.7	19.2
TOTAL	906	89	55.7	53.9	49.4	44.9	40.4	35.9	31.3	26.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	636	62	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Med Trucks	3	0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Hvy Trucks	3	0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
TOTAL	642	63	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
CHANGE FROM FUTURE NO PROJECT										
Autos	21	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	21	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainKimballPM2019 Year 2019 Weekday

Location: Main Street at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	148	14	46.8	45.0	40.5	35.9	31.4	26.9	22.4	17.9
Med Trucks	1	0	35.0	33.2	28.7	24.2	19.7	15.1	10.6	6.1
Hvy Trucks	1	0	40.3	38.5	34.0	29.5	24.9	20.4	15.9	11.4
TOTAL	149	15	47.9	46.1	41.6	37.0	32.5	28.0	23.5	19.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	298	29	49.8	48.0	43.5	39.0	34.5	30.0	25.4	20.9
Med Trucks	2	0	38.1	36.3	31.7	27.2	22.7	18.2	13.7	9.2
Hvy Trucks	2	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.4
TOTAL	301	29	50.9	49.1	44.6	40.1	35.6	31.1	26.6	22.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	298	29	49.8	48.0	43.5	39.0	34.5	30.0	25.4	20.9
Med Trucks	2	0	38.1	36.3	31.7	27.2	22.7	18.2	13.7	9.2
Hvy Trucks	2	0	43.4	41.5	37.0	32.5	28.0	23.5	19.0	14.4
TOTAL	301	29	50.9	49.1	44.6	40.1	35.6	31.1	26.6	22.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	150	15	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	1	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	1	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	152	15	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainKimballPM2030 Year 2030 Weekday

Location: Main Street at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	148	14	46.8	45.0	40.5	35.9	31.4	26.9	22.4	17.9
Med Trucks	1	0	35.0	33.2	28.7	24.2	19.7	15.1	10.6	6.1
Hvy Trucks	1	0	40.3	38.5	34.0	29.5	24.9	20.4	15.9	11.4
TOTAL	149	15	47.9	46.1	41.6	37.0	32.5	28.0	23.5	19.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	860	84	54.4	52.6	48.1	43.6	39.1	34.6	30.1	25.5
Med Trucks	4	0	42.7	40.9	36.3	31.8	27.3	22.8	18.3	13.8
Hvy Trucks	4	0	48.0	46.1	41.6	37.1	32.6	28.1	23.6	19.1
TOTAL	869	85	55.6	53.7	49.2	44.7	40.2	35.7	31.2	26.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	886	87	54.6	52.8	48.2	43.7	39.2	34.7	30.2	25.7
Med Trucks	4	0	42.8	41.0	36.5	32.0	27.4	22.9	18.4	13.9
Hvy Trucks	4	0	48.1	46.3	41.8	37.2	32.7	28.2	23.7	19.2
TOTAL	895	88	55.7	53.9	49.4	44.8	40.3	35.8	31.3	26.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	739	72	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Med Trucks	4	0	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Hvy Trucks	4	0	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
TOTAL	746	73	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPineAM2019 Year 2019 Weekday

Location: Main Street at Pine Avenue

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1653	162	57.3	55.5	50.9	46.4	41.9	37.4	32.9	28.4
Med Trucks	8	1	45.5	43.7	39.2	34.7	30.2	25.6	21.1	16.6
Hvy Trucks	8	1	50.8	49.0	44.5	40.0	35.4	30.9	26.4	21.9
TOTAL	1670	164	58.4	56.6	52.1	47.5	43.0	38.5	34.0	29.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1679	164	57.3	55.5	51.0	46.5	42.0	37.5	33.0	28.4
Med Trucks	8	1	45.6	43.8	39.3	34.7	30.2	25.7	21.2	16.7
Hvy Trucks	8	1	50.9	49.0	44.5	40.0	35.5	31.0	26.5	22.0
TOTAL	1696	166	58.5	56.6	52.1	47.6	43.1	38.6	34.1	29.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1679	164	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1696	166	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:			Fleet Mi	
	70.0%	Day	99.0%	Autos
	15.0%	Evening	0.5%	Medium Trucks
	15.0%	Night	0.5%	Heavy Trucks
	100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPineAM2030 Year 2030 Weekday

Location: Main Street at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3038	298	59.9	58.1	53.6	49.1	44.6	40.0	35.5	31.0
Med Trucks	15	2	48.2	46.3	41.8	37.3	32.8	28.3	23.8	19.3
Hvy Trucks	15	2	53.4	51.6	47.1	42.6	38.1	33.6	29.0	24.5
TOTAL	3069	301	61.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3103	304	60.0	58.2	53.7	49.2	44.7	40.1	35.6	31.1
Med Trucks	16	2	48.2	46.4	41.9	37.4	32.9	28.4	23.9	19.3
Hvy Trucks	16	2	53.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	3134	307	61.1	59.3	54.8	50.3	45.8	41.2	36.7	32.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3103	304	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	16	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	16	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	3134	307	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	65	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPinePM2019 Year 2019 Weekday

Location: Main Street at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1673	164	57.3	55.5	51.0	46.5	42.0	37.5	32.9	28.4
Med Trucks	8	1	45.6	43.8	39.2	34.7	30.2	25.7	21.2	16.7
Hvy Trucks	8	1	50.8	49.0	44.5	40.0	35.5	31.0	26.5	21.9
TOTAL	1690	165	58.4	56.6	52.1	47.6	43.1	38.6	34.0	29.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1680	165	57.3	55.5	51.0	46.5	42.0	37.5	33.0	28.4
Med Trucks	8	1	45.6	43.8	39.3	34.7	30.2	25.7	21.2	16.7
Hvy Trucks	8	1	50.9	49.1	44.5	40.0	35.5	31.0	26.5	22.0
TOTAL	1697	166	58.5	56.6	52.1	47.6	43.1	38.6	34.1	29.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1680	165	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	8	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1697	166	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPinePM2030 Year 2030 Weekday

Location: Main Street at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3416	335	60.4	58.6	54.1	49.6	45.1	40.6	36.0	31.5
Med Trucks	17	2	48.7	46.9	42.3	37.8	33.3	28.8	24.3	19.8
Hvy Trucks	17	2	53.9	52.1	47.6	43.1	38.6	34.1	29.6	25.0
TOTAL	3451	338	61.5	59.7	55.2	50.7	46.2	41.7	37.2	32.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3486	341	60.5	58.7	54.2	49.7	45.2	40.6	36.1	31.6
Med Trucks	18	2	48.8	46.9	42.4	37.9	33.4	28.9	24.4	19.8
Hvy Trucks	18	2	54.0	52.2	47.7	43.2	38.7	34.2	29.6	25.1
TOTAL	3521	345	61.6	59.8	55.3	50.8	46.3	41.8	37.2	32.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3486	341	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	18	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	18	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	3521	345	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	69	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	70	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPreserveAM2019 Year 2019 Weekday

Location: Main Street at Preserve Loop

	Traffic Volume		Noise Reference	Noise Level (dB Ldn) Centerline Distance (feet)						
				65	130	260	520	1040	2080	4160
Vehicle Type	24-hr volume	Equiv 1-hr	Level (15 meters	(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	156	15	47.0	45.2	40.7	36.2	31.7	27.2	22.6	18.1
Med Trucks	1	0	35.3	33.5	28.9	24.4	19.9	15.4	10.9	6.4
Hvy Trucks	1	0	40.6	38.7	34.2	29.7	25.2	20.7	16.2	11.6
TOTAL	158	15	48.1	46.3	41.8	37.3	32.8	28.3	23.8	19.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	274	27	49.5	47.7	43.1	38.6	34.1	29.6	25.1	20.6
Med Trucks	1	0	37.7	35.9	31.4	26.9	22.4	17.8	13.3	8.8
Hvy Trucks	1	0	43.0	41.2	36.7	32.1	27.6	23.1	18.6	14.1
TOTAL	277	27	50.6	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	274	27	49.5	47.7	43.1	38.6	34.1	29.6	25.1	20.6
Med Trucks	1	0	37.7	35.9	31.4	26.9	22.4	17.8	13.3	8.8
Hvy Trucks	1	0	43.0	41.2	36.7	32.1	27.6	23.1	18.6	14.1
TOTAL	277	27	50.6	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	118	12	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	1	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	1	0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	119	12	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2030 Weekday

FILE: NOISE-MainPreserveAM2030
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Location: Main Street at Preserve Loop

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	156	15	47.0	45.2	40.7	36.2	31.7	27.2	22.6	18.1
Med Trucks	1	0	35.3	33.5	28.9	24.4	19.9	15.4	10.9	6.4
Hvy Trucks	1	0	40.6	38.7	34.2	29.7	25.2	20.7	16.2	11.6
TOTAL	158	15	48.1	46.3	41.8	37.3	32.8	28.3	23.8	19.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	567	56	52.6	50.8	46.3	41.8	37.3	32.8	28.2	23.7
Med Trucks	3	0	40.9	39.1	34.5	30.0	25.5	21.0	16.5	12.0
Hvy Trucks	3	0	46.1	44.3	39.8	35.3	30.8	26.3	21.8	17.2
TOTAL	573	56	53.7	51.9	47.4	42.9	38.4	33.9	29.4	24.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	588	58	52.8	51.0	46.5	41.9	37.4	32.9	28.4	23.9
Med Trucks	3	0	41.0	39.2	34.7	30.2	25.7	21.2	16.6	12.1
Hvy Trucks	3	0	46.3	44.5	40.0	35.5	30.9	26.4	21.9	17.4
TOTAL	594	58	53.9	52.1	47.6	43.1	38.5	34.0	29.5	25.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	432	42	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Med Trucks	2	0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Hvy Trucks	2	0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
TOTAL	436	43	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
CHANGE FROM FUTURE NO PROJECT										
Autos	21	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	21	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPreservePM2019 Year 2019 Weekday

Location: Main Street at Preserve Loop

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	109	11	45.5	43.7	39.1	34.6	30.1	25.6	21.1	16.6
Med Trucks	1	0	33.7	31.9	27.4	22.9	18.3	13.8	9.3	4.8
Hvy Trucks	1	0	39.0	37.2	32.7	28.1	23.6	19.1	14.6	10.1
TOTAL	110	11	46.6	44.8	40.2	35.7	31.2	26.7	22.2	17.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	281	28	49.6	47.8	43.3	38.7	34.2	29.7	25.2	20.7
Med Trucks	1	0	37.8	36.0	31.5	27.0	22.5	17.9	13.4	8.9
Hvy Trucks	1	0	43.1	41.3	36.8	32.3	27.7	23.2	18.7	14.2
TOTAL	284	28	50.7	48.9	44.4	39.9	35.3	30.8	26.3	21.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	281	28	49.6	47.8	43.3	38.7	34.2	29.7	25.2	20.7
Med Trucks	1	0	37.8	36.0	31.5	27.0	22.5	17.9	13.4	8.9
Hvy Trucks	1	0	43.1	41.3	36.8	32.3	27.7	23.2	18.7	14.2
TOTAL	284	28	50.7	48.9	44.4	39.9	35.3	30.8	26.3	21.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	172	17	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Med Trucks	1	0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Hvy Trucks	1	0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
TOTAL	174	17	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MainPreservePM2030 Year 2030 Weekday

Location: Main Street at Preserve Loop

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	109	11	45.5	43.7	39.1	34.6	30.1	25.6	21.1	16.6
Med Trucks	1	0	33.7	31.9	27.4	22.9	18.3	13.8	9.3	4.8
Hvy Trucks	1	0	39.0	37.2	32.7	28.1	23.6	19.1	14.6	10.1
TOTAL	110	11	46.6	44.8	40.2	35.7	31.2	26.7	22.2	17.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	704	69	53.6	51.8	47.2	42.7	38.2	33.7	29.2	24.7
Med Trucks	4	0	41.8	40.0	35.5	31.0	26.4	21.9	17.4	12.9
Hvy Trucks	4	0	47.1	45.3	40.8	36.2	31.7	27.2	22.7	18.2
TOTAL	711	70	54.7	52.9	48.4	43.8	39.3	34.8	30.3	25.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	730	71	53.7	51.9	47.4	42.9	38.4	33.9	29.3	24.8
Med Trucks	4	0	42.0	40.1	35.6	31.1	26.6	22.1	17.6	13.1
Hvy Trucks	4	0	47.2	45.4	40.9	36.4	31.9	27.4	22.9	18.3
TOTAL	737	72	54.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	621	61	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Med Trucks	3	0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Hvy Trucks	3	0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
TOTAL	627	61	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	26	3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekBickmoreAM2019 Year 2019 Weekday

Location: Mill Creek Road at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	517	51	52.2	50.4	45.9	41.4	36.9	32.4	27.8	23.3
Med Trucks	3	0	40.5	38.7	34.1	29.6	25.1	20.6	16.1	11.6
Hvy Trucks	3	0	45.7	43.9	39.4	34.9	30.4	25.9	21.4	16.8
TOTAL	522	51	53.3	51.5	47.0	42.5	38.0	33.5	28.9	24.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	595	58	52.8	51.0	46.5	42.0	37.5	33.0	28.4	23.9
Med Trucks	3	0	41.1	39.3	34.7	30.2	25.7	21.2	16.7	12.2
Hvy Trucks	3	0	46.4	44.5	40.0	35.5	31.0	26.5	22.0	17.4
TOTAL	601	59	53.9	52.1	47.6	43.1	38.6	34.1	29.6	25.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	730	71	53.7	51.9	47.4	42.9	38.4	33.9	29.3	24.8
Med Trucks	4	0	42.0	40.1	35.6	31.1	26.6	22.1	17.6	13.1
Hvy Trucks	4	0	47.2	45.4	40.9	36.4	31.9	27.4	22.9	18.3
TOTAL	737	72	54.8	53.0	48.5	44.0	39.5	35.0	30.4	25.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	213	21	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Med Trucks	1	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Hvy Trucks	1	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
TOTAL	215	21	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
CHANGE FROM FUTURE NO PROJECT										
Autos	135	13	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Med Trucks	1	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Hvy Trucks	1	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL	136	13	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekBickmoreAM2030 Year 2030 Weekday

Location: Mill Creek Road at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	517	51	52.2	50.4	45.9	41.4	36.9	32.4	27.8	23.3
Med Trucks	3	0	40.5	38.7	34.1	29.6	25.1	20.6	16.1	11.6
Hvy Trucks	3	0	45.7	43.9	39.4	34.9	30.4	25.9	21.4	16.8
TOTAL	522	51	53.3	51.5	47.0	42.5	38.0	33.5	28.9	24.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	780	76	54.0	52.2	47.7	43.2	38.7	34.1	29.6	25.1
Med Trucks	4	0	42.3	40.4	35.9	31.4	26.9	22.4	17.9	13.3
Hvy Trucks	4	0	47.5	45.7	41.2	36.7	32.2	27.7	23.1	18.6
TOTAL	788	77	55.1	53.3	48.8	44.3	39.8	35.3	30.7	26.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	855	84	54.4	52.6	48.1	43.6	39.1	34.5	30.0	25.5
Med Trucks	4	0	42.7	40.8	36.3	31.8	27.3	22.8	18.3	13.7
Hvy Trucks	4	0	47.9	46.1	41.6	37.1	32.6	28.1	23.5	19.0
TOTAL	864	85	55.5	53.7	49.2	44.7	40.2	35.7	31.1	26.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	339	33	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	342	33	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	75	7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	76	7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekBickmorePM2019 Year 2019 Weekday

Location: Mill Creek Road at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	226	22	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Med Trucks	1	0	36.9	35.1	30.5	26.0	21.5	17.0	12.5	8.0
Hvy Trucks	1	0	42.1	40.3	35.8	31.3	26.8	22.3	17.8	13.2
TOTAL	228	22	49.7	47.9	43.4	38.9	34.4	29.9	25.4	20.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	448	44	51.6	49.8	45.3	40.8	36.3	31.7	27.2	22.7
Med Trucks	2	0	39.8	38.0	33.5	29.0	24.5	20.0	15.5	10.9
Hvy Trucks	2	0	45.1	43.3	38.8	34.3	29.8	25.3	20.7	16.2
TOTAL	453	44	52.7	50.9	46.4	41.9	37.4	32.8	28.3	23.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	622	61	53.0	51.2	46.7	42.2	37.7	33.2	28.6	24.1
Med Trucks	3	0	41.3	39.5	34.9	30.4	25.9	21.4	16.9	12.4
Hvy Trucks	3	0	46.5	44.7	40.2	35.7	31.2	26.7	22.2	17.6
TOTAL	628	61	54.1	52.3	47.8	43.3	38.8	34.3	29.8	25.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	396	39	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Med Trucks	2	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Hvy Trucks	2	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	400	39	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
CHANGE FROM FUTURE NO PROJECT										
Autos	173	17	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	175	17	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekBickmorePM2030 Year 2030 Weekday

Location: Mill Creek Road at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	226	22	48.6	46.8	42.3	37.8	33.3	28.8	24.2	19.7
Med Trucks	1	0	36.9	35.1	30.5	26.0	21.5	17.0	12.5	8.0
Hvy Trucks	1	0	42.1	40.3	35.8	31.3	26.8	22.3	17.8	13.2
TOTAL	228	22	49.7	47.9	43.4	38.9	34.4	29.9	25.4	20.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	990	97	55.1	53.2	48.7	44.2	39.7	35.2	30.7	26.1
Med Trucks	5	0	43.3	41.5	37.0	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	5	0	48.6	46.8	42.2	37.7	33.2	28.7	24.2	19.7
TOTAL	1000	98	56.2	54.3	49.8	45.3	40.8	36.3	31.8	27.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1084	106	55.4	53.6	49.1	44.6	40.1	35.6	31.1	26.5
Med Trucks	5	1	43.7	41.9	37.4	32.8	28.3	23.8	19.3	14.8
Hvy Trucks	5	1	49.0	47.1	42.6	38.1	33.6	29.1	24.6	20.1
TOTAL	1095	107	56.6	54.7	50.2	45.7	41.2	36.7	32.2	27.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	858	84	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Med Trucks	4	0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Hvy Trucks	4	0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
TOTAL	867	85	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
CHANGE FROM FUTURE NO PROJECT										
Autos	94	9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	95	9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekKimballAM2019 Year 2019 Weekday

Location: Mill Creek Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	522	51	52.3	50.5	45.9	41.4	36.9	32.4	27.9	23.4
Med Trucks	3	0	40.5	38.7	34.2	29.7	25.1	20.6	16.1	11.6
Hvy Trucks	3	0	45.8	44.0	39.5	34.9	30.4	25.9	21.4	16.9
TOTAL	527	52	53.4	51.6	47.1	42.5	38.0	33.5	29.0	24.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	677	66	53.4	51.6	47.1	42.6	38.0	33.5	29.0	24.5
Med Trucks	3	0	41.6	39.8	35.3	30.8	26.3	21.8	17.2	12.7
Hvy Trucks	3	0	46.9	45.1	40.6	36.1	31.6	27.0	22.5	18.0
TOTAL	684	67	54.5	52.7	48.2	43.7	39.2	34.6	30.1	25.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	806	79	54.2	52.3	47.8	43.3	38.8	34.3	29.8	25.3
Med Trucks	4	0	42.4	40.6	36.1	31.6	27.0	22.5	18.0	13.5
Hvy Trucks	4	0	47.7	45.9	41.3	36.8	32.3	27.8	23.3	18.8
TOTAL	814	80	55.3	53.5	48.9	44.4	39.9	35.4	30.9	26.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	284	28	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Med Trucks	1	0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Hvy Trucks	1	0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
TOTAL	287	28	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
CHANGE FROM FUTURE NO PROJECT										
Autos	129	13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	1	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	1	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	130	13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekKimballAM2030 Year 2030 Weekday

Location: Mill Creek Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	522	51	52.3	50.5	45.9	41.4	36.9	32.4	27.9	23.4
Med Trucks	3	0	40.5	38.7	34.2	29.7	25.1	20.6	16.1	11.6
Hvy Trucks	3	0	45.8	44.0	39.5	34.9	30.4	25.9	21.4	16.9
TOTAL	527	52	53.4	51.6	47.1	42.5	38.0	33.5	29.0	24.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1268	124	56.1	54.3	49.8	45.3	40.8	36.3	31.7	27.2
Med Trucks	6	1	44.4	42.6	38.0	33.5	29.0	24.5	20.0	15.5
Hvy Trucks	6	1	49.6	47.8	43.3	38.8	34.3	29.8	25.3	20.7
TOTAL	1281	125	57.2	55.4	50.9	46.4	41.9	37.4	32.8	28.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1323	130	56.3	54.5	50.0	45.5	40.9	36.4	31.9	27.4
Med Trucks	7	1	44.5	42.7	38.2	33.7	29.2	24.7	20.2	15.6
Hvy Trucks	7	1	49.8	48.0	43.5	39.0	34.5	30.0	25.4	20.9
TOTAL	1336	131	57.4	55.6	51.1	46.6	42.1	37.5	33.0	28.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	801	78	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Med Trucks	4	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Hvy Trucks	4	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
TOTAL	809	79	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
CHANGE FROM FUTURE NO PROJECT										
Autos	54	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	55	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekKimballPM2019 Year 2019 Weekday

Location: Mill Creek Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	256	25	49.2	47.4	42.9	38.3	33.8	29.3	24.8	20.3
Med Trucks	1	0	37.4	35.6	31.1	26.6	22.1	17.5	13.0	8.5
Hvy Trucks	1	0	42.7	40.9	36.4	31.9	27.3	22.8	18.3	13.8
TOTAL	259	25	50.3	48.5	44.0	39.5	34.9	30.4	25.9	21.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	370	36	50.8	49.0	44.5	39.9	35.4	30.9	26.4	21.9
Med Trucks	2	0	39.0	37.2	32.7	28.2	23.7	19.1	14.6	10.1
Hvy Trucks	2	0	44.3	42.5	38.0	33.5	28.9	24.4	19.9	15.4
TOTAL	374	37	51.9	50.1	45.6	41.0	36.5	32.0	27.5	23.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	536	52	52.4	50.6	46.1	41.5	37.0	32.5	28.0	23.5
Med Trucks	3	0	40.6	38.8	34.3	29.8	25.3	20.7	16.2	11.7
Hvy Trucks	3	0	45.9	44.1	39.6	35.1	30.5	26.0	21.5	17.0
TOTAL	541	53	53.5	51.7	47.2	42.6	38.1	33.6	29.1	24.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	279	27	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Med Trucks	1	0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Hvy Trucks	1	0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
TOTAL	282	28	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CHANGE FROM FUTURE NO PROJECT										
Autos	165	16	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Med Trucks	1	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Hvy Trucks	1	0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL	167	16	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MillCreekKimballPM2030 Year 2030 Weekday

Location: Mill Creek Road at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	256	25	49.2	47.4	42.9	38.3	33.8	29.3	24.8	20.3
Med Trucks	1	0	37.4	35.6	31.1	26.6	22.1	17.5	13.0	8.5
Hvy Trucks	1	0	42.7	40.9	36.4	31.9	27.3	22.8	18.3	13.8
TOTAL	259	25	50.3	48.5	44.0	39.5	34.9	30.4	25.9	21.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	795	78	54.1	52.3	47.8	43.3	38.7	34.2	29.7	25.2
Med Trucks	4	0	42.3	40.5	36.0	31.5	27.0	22.5	17.9	13.4
Hvy Trucks	4	0	47.6	45.8	41.3	36.8	32.3	27.7	23.2	18.7
TOTAL	803	79	55.2	53.4	48.9	44.4	39.8	35.3	30.8	26.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	863	85	54.5	52.6	48.1	43.6	39.1	34.6	30.1	25.6
Med Trucks	4	0	42.7	40.9	36.4	31.8	27.3	22.8	18.3	13.8
Hvy Trucks	4	0	48.0	46.2	41.6	37.1	32.6	28.1	23.6	19.1
TOTAL	872	85	55.6	53.8	49.2	44.7	40.2	35.7	31.2	26.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	607	59	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Med Trucks	3	0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Hvy Trucks	3	0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
TOTAL	613	60	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
CHANGE FROM FUTURE NO PROJECT										
Autos	68	7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	69	7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainBickmoreAM2019 Year 2019 Weekday

Location: Mountain Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	50	5	42.0	40.2	35.7	31.2	26.7	22.2	17.7	13.1
Med Trucks	0	0	30.3	28.5	23.9	19.4	14.9	10.4	5.9	1.4
Hvy Trucks	0	0	35.6	33.7	29.2	24.7	20.2	15.7	11.2	6.7
TOTAL	50	5	43.2	41.3	36.8	32.3	27.8	23.3	18.8	14.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	282	28	49.6	47.8	43.3	38.8	34.2	29.7	25.2	20.7
Med Trucks	1	0	37.8	36.0	31.5	27.0	22.5	18.0	13.4	8.9
Hvy Trucks	1	0	43.1	41.3	36.8	32.3	27.8	23.2	18.7	14.2
TOTAL	285	28	50.7	48.9	44.4	39.9	35.4	30.8	26.3	21.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	282	28	49.6	47.8	43.3	38.8	34.2	29.7	25.2	20.7
Med Trucks	1	0	37.8	36.0	31.5	27.0	22.5	18.0	13.4	8.9
Hvy Trucks	1	0	43.1	41.3	36.8	32.3	27.8	23.2	18.7	14.2
TOTAL	285	28	50.7	48.9	44.4	39.9	35.4	30.8	26.3	21.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	233	23	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Med Trucks	1	0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Hvy Trucks	1	0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
TOTAL	235	23	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainBickmoreAM2030 Year 2030 Weekday

Location: Mountain Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	50	5	42.0	40.2	35.7	31.2	26.7	22.2	17.7	13.1
Med Trucks	0	0	30.3	28.5	23.9	19.4	14.9	10.4	5.9	1.4
Hvy Trucks	0	0	35.6	33.7	29.2	24.7	20.2	15.7	11.2	6.7
TOTAL	50	5	43.2	41.3	36.8	32.3	27.8	23.3	18.8	14.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	344	34	50.5	48.6	44.1	39.6	35.1	30.6	26.1	21.5
Med Trucks	2	0	38.7	36.9	32.4	27.8	23.3	18.8	14.3	9.8
Hvy Trucks	2	0	44.0	42.2	37.6	33.1	28.6	24.1	19.6	15.1
TOTAL	347	34	51.6	49.8	45.2	40.7	36.2	31.7	27.2	22.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	344	34	50.5	48.6	44.1	39.6	35.1	30.6	26.1	21.5
Med Trucks	2	0	38.7	36.9	32.4	27.8	23.3	18.8	14.3	9.8
Hvy Trucks	2	0	44.0	42.2	37.6	33.1	28.6	24.1	19.6	15.1
TOTAL	347	34	51.6	49.8	45.2	40.7	36.2	31.7	27.2	22.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	294	29	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Med Trucks	1	0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Hvy Trucks	1	0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
TOTAL	297	29	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainBickmorePM2019 Year 2019 Weekday

Location: Mountain Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	50	5	42.0	40.2	35.7	31.2	26.7	22.2	17.7	13.1
Med Trucks	0	0	30.3	28.5	23.9	19.4	14.9	10.4	5.9	1.4
Hvy Trucks	0	0	35.6	33.7	29.2	24.7	20.2	15.7	11.2	6.7
TOTAL	50	5	43.2	41.3	36.8	32.3	27.8	23.3	18.8	14.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	354	35	50.6	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Med Trucks	2	0	38.8	37.0	32.5	28.0	23.5	19.0	14.4	9.9
Hvy Trucks	2	0	44.1	42.3	37.8	33.3	28.7	24.2	19.7	15.2
TOTAL	358	35	51.7	49.9	45.4	40.9	36.3	31.8	27.3	22.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	354	35	50.6	48.8	44.3	39.7	35.2	30.7	26.2	21.7
Med Trucks	2	0	38.8	37.0	32.5	28.0	23.5	19.0	14.4	9.9
Hvy Trucks	2	0	44.1	42.3	37.8	33.3	28.7	24.2	19.7	15.2
TOTAL	358	35	51.7	49.9	45.4	40.9	36.3	31.8	27.3	22.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	305	30	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Med Trucks	2	0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Hvy Trucks	2	0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
TOTAL	308	30	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainBickmorePM2030 Year 2030 Weekday

Location: Mountain Avenue at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	50	5	42.0	40.2	35.7	31.2	26.7	22.2	17.7	13.1
Med Trucks	0	0	30.3	28.5	23.9	19.4	14.9	10.4	5.9	1.4
Hvy Trucks	0	0	35.6	33.7	29.2	24.7	20.2	15.7	11.2	6.7
TOTAL	50	5	43.2	41.3	36.8	32.3	27.8	23.3	18.8	14.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	438	43	51.5	49.7	45.2	40.7	36.1	31.6	27.1	22.6
Med Trucks	2	0	39.7	37.9	33.4	28.9	24.4	19.9	15.4	10.8
Hvy Trucks	2	0	45.0	43.2	38.7	34.2	29.7	25.1	20.6	16.1
TOTAL	442	43	52.6	50.8	46.3	41.8	37.3	32.7	28.2	23.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	438	43	51.5	49.7	45.2	40.7	36.1	31.6	27.1	22.6
Med Trucks	2	0	39.7	37.9	33.4	28.9	24.4	19.9	15.4	10.8
Hvy Trucks	2	0	45.0	43.2	38.7	34.2	29.7	25.1	20.6	16.1
TOTAL	442	43	52.6	50.8	46.3	41.8	37.3	32.7	28.2	23.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	388	38	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Med Trucks	2	0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Hvy Trucks	2	0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
TOTAL	392	38	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
CHANGE FROM FUTURE NO PROJECT										
Autos	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainKimballAM2019 Year 2019 Weekday

Location: Mountain Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	696	68	53.5	51.7	47.2	42.7	38.2	33.6	29.1	24.6
Med Trucks	4	0	41.8	39.9	35.4	30.9	26.4	21.9	17.4	12.9
Hvy Trucks	4	0	47.0	45.2	40.7	36.2	31.7	27.2	22.6	18.1
TOTAL	703	69	54.6	52.8	48.3	43.8	39.3	34.8	30.2	25.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1028	101	55.2	53.4	48.9	44.4	39.9	35.3	30.8	26.3
Med Trucks	5	1	43.4	41.6	37.1	32.6	28.1	23.6	19.1	14.5
Hvy Trucks	5	1	48.7	46.9	42.4	37.9	33.4	28.9	24.3	19.8
TOTAL	1038	102	56.3	54.5	50.0	45.5	41.0	36.4	31.9	27.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1053	103	55.3	53.5	49.0	44.5	40.0	35.4	30.9	26.4
Med Trucks	5	1	43.6	41.7	37.2	32.7	28.2	23.7	19.2	14.7
Hvy Trucks	5	1	48.8	47.0	42.5	38.0	33.5	29.0	24.4	19.9
TOTAL	1064	104	56.4	54.6	50.1	45.6	41.1	36.6	32.0	27.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	357	35	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	2	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	2	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	361	35	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	26	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainKimballAM2030 Year 2030 Weekday

Location: Mountain Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	696	68	53.5	51.7	47.2	42.7	38.2	33.6	29.1	24.6
Med Trucks	4	0	41.8	39.9	35.4	30.9	26.4	21.9	17.4	12.9
Hvy Trucks	4	0	47.0	45.2	40.7	36.2	31.7	27.2	22.6	18.1
TOTAL	703	69	54.6	52.8	48.3	43.8	39.3	34.8	30.2	25.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1418	139	56.6	54.8	50.3	45.8	41.3	36.7	32.2	27.7
Med Trucks	7	1	44.8	43.0	38.5	34.0	29.5	25.0	20.5	15.9
Hvy Trucks	7	1	50.1	48.3	43.8	39.3	34.8	30.3	25.7	21.2
TOTAL	1432	140	57.7	55.9	51.4	46.9	42.4	37.8	33.3	28.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1425	139	56.6	54.8	50.3	45.8	41.3	36.8	32.2	27.7
Med Trucks	7	1	44.9	43.1	38.5	34.0	29.5	25.0	20.5	16.0
Hvy Trucks	7	1	50.1	48.3	43.8	39.3	34.8	30.3	25.8	21.2
TOTAL	1439	141	57.7	55.9	51.4	46.9	42.4	37.9	33.4	28.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	729	71	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	4	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	4	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	736	72	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainKimballPM2019 Year 2019 Weekday

Location: Mountain Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	599	59	52.9	51.1	46.5	42.0	37.5	33.0	28.5	24.0
Med Trucks	3	0	41.1	39.3	34.8	30.3	25.7	21.2	16.7	12.2
Hvy Trucks	3	0	46.4	44.6	40.1	35.5	31.0	26.5	22.0	17.5
TOTAL	605	59	54.0	52.2	47.7	43.1	38.6	34.1	29.6	25.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	956	94	54.9	53.1	48.6	44.1	39.5	35.0	30.5	26.0
Med Trucks	5	0	43.1	41.3	36.8	32.3	27.8	23.3	18.7	14.2
Hvy Trucks	5	0	48.4	46.6	42.1	37.6	33.1	28.5	24.0	19.5
TOTAL	966	95	56.0	54.2	49.7	45.2	40.7	36.1	31.6	27.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	989	97	55.0	53.2	48.7	44.2	39.7	35.2	30.7	26.1
Med Trucks	5	0	43.3	41.5	37.0	32.4	27.9	23.4	18.9	14.4
Hvy Trucks	5	0	48.6	46.7	42.2	37.7	33.2	28.7	24.2	19.7
TOTAL	999	98	56.2	54.3	49.8	45.3	40.8	36.3	31.8	27.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	390	38	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	394	39	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	33	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	33	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-MountainKimballPM2030 Year 2030 Weekday

Location: Mountain Avenue at Kimball Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	599	59	52.9	51.1	46.5	42.0	37.5	33.0	28.5	24.0
Med Trucks	3	0	41.1	39.3	34.8	30.3	25.7	21.2	16.7	12.2
Hvy Trucks	3	0	46.4	44.6	40.1	35.5	31.0	26.5	22.0	17.5
TOTAL	605	59	54.0	52.2	47.7	43.1	38.6	34.1	29.6	25.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1373	134	56.5	54.7	50.1	45.6	41.1	36.6	32.1	27.6
Med Trucks	7	1	44.7	42.9	38.4	33.9	29.3	24.8	20.3	15.8
Hvy Trucks	7	1	50.0	48.2	43.7	39.1	34.6	30.1	25.6	21.1
TOTAL	1387	136	57.6	55.8	51.3	46.7	42.2	37.7	33.2	28.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1382	135	56.5	54.7	50.2	45.7	41.1	36.6	32.1	27.6
Med Trucks	7	1	44.7	42.9	38.4	33.9	29.4	24.9	20.3	15.8
Hvy Trucks	7	1	50.0	48.2	43.7	39.2	34.7	30.1	25.6	21.1
TOTAL	1396	137	57.6	55.8	51.3	46.8	42.3	37.7	33.2	28.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	783	77	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Med Trucks	4	0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Hvy Trucks	4	0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
TOTAL	791	77	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverBluffAM2019 Year 2019 Weekday

Location: River Road at Bluff Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	1654	162	60.0	57.3	52.7	48.2	43.7	39.2	34.7	30.2
Med Trucks	8	1	47.8	45.1	40.6	36.1	31.5	27.0	22.5	18.0
Hvy Trucks	8	1	52.2	49.5	45.0	40.4	35.9	31.4	26.9	22.4
TOTAL	1671	164	60.9	58.1	53.6	49.1	44.6	40.1	35.6	31.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1903	186	60.6	57.9	53.4	48.8	44.3	39.8	35.3	30.8
Med Trucks	10	1	48.4	45.7	41.2	36.7	32.1	27.6	23.1	18.6
Hvy Trucks	10	1	52.8	50.1	45.6	41.0	36.5	32.0	27.5	23.0
TOTAL	1922	188	61.5	58.8	54.2	49.7	45.2	40.7	36.2	31.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1967	193	60.8	58.0	53.5	49.0	44.5	39.9	35.4	30.9
Med Trucks	10	1	48.6	45.8	41.3	36.8	32.3	27.8	23.3	18.7
Hvy Trucks	10	1	53.0	50.2	45.7	41.2	36.7	32.2	27.6	23.1
TOTAL	1987	195	61.6	58.9	54.4	49.9	45.4	40.8	36.3	31.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	313	31	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	2	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	316	31	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
CHANGE FROM FUTURE NO PROJECT										
Autos	64	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	65	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverBluffAM2030 Year 2030 Weekday

Location: River Road at Bluff Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1654	162	60.0	57.3	52.7	48.2	43.7	39.2	34.7	30.2
Med Trucks	8	1	47.8	45.1	40.6	36.1	31.5	27.0	22.5	18.0
Hvy Trucks	8	1	52.2	49.5	45.0	40.4	35.9	31.4	26.9	22.4
TOTAL	1671	164	60.9	58.1	53.6	49.1	44.6	40.1	35.6	31.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2784	273	62.3	59.5	55.0	50.5	46.0	41.5	36.9	32.4
Med Trucks	14	1	50.1	47.3	42.8	38.3	33.8	29.3	24.8	20.3
Hvy Trucks	14	1	54.5	51.7	47.2	42.7	38.2	33.7	29.1	24.6
TOTAL	2812	275	63.2	60.4	55.9	51.4	46.9	42.3	37.8	33.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2874	281	62.4	59.7	55.1	50.6	46.1	41.6	37.1	32.6
Med Trucks	15	1	50.2	47.5	43.0	38.5	33.9	29.4	24.9	20.4
Hvy Trucks	15	1	54.6	51.9	47.3	42.8	38.3	33.8	29.3	24.8
TOTAL	2903	284	63.3	60.5	56.0	51.5	47.0	42.5	38.0	33.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1220	119	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Med Trucks	6	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Hvy Trucks	6	1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
TOTAL	1232	121	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CHANGE FROM FUTURE NO PROJECT										
Autos	90	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	91	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverBluffPM2019 Year 2019 Weekday

Location: River Road at Bluff Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1710	167	60.1	57.4	52.9	48.4	43.9	39.3	34.8	30.3
Med Trucks	9	1	48.0	45.2	40.7	36.2	31.7	27.2	22.7	18.1
Hvy Trucks	9	1	52.4	49.6	45.1	40.6	36.1	31.5	27.0	22.5
TOTAL	1727	169	61.0	58.3	53.8	49.3	44.7	40.2	35.7	31.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2066	202	61.0	58.2	53.7	49.2	44.7	40.2	35.6	31.1
Med Trucks	10	1	48.8	46.1	41.5	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	10	1	53.2	50.4	45.9	41.4	36.9	32.4	27.9	23.3
TOTAL	2087	204	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2147	210	61.1	58.4	53.9	49.4	44.8	40.3	35.8	31.3
Med Trucks	11	1	49.0	46.2	41.7	37.2	32.7	28.2	23.6	19.1
Hvy Trucks	11	1	53.3	50.6	46.1	41.6	37.1	32.5	28.0	23.5
TOTAL	2169	212	62.0	59.3	54.8	50.2	45.7	41.2	36.7	32.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	438	43	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Med Trucks	2	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Hvy Trucks	2	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	442	43	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHANGE FROM FUTURE NO PROJECT										
Autos	81	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	82	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverBluffPM2030 Year 2030 Weekday

Location: River Road at Bluff Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	1710	167	60.1	57.4	52.9	48.4	43.9	39.3	34.8	30.3
Med Trucks	9	1	48.0	45.2	40.7	36.2	31.7	27.2	22.7	18.1
Hvy Trucks	9	1	52.4	49.6	45.1	40.6	36.1	31.5	27.0	22.5
TOTAL	1727	169	61.0	58.3	53.8	49.3	44.7	40.2	35.7	31.2
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3326	326	63.0	60.3	55.8	51.3	46.7	42.2	37.7	33.2
Med Trucks	17	2	50.9	48.1	43.6	39.1	34.6	30.1	25.5	21.0
Hvy Trucks	17	2	55.2	52.5	48.0	43.5	39.0	34.4	29.9	25.4
TOTAL	3360	329	63.9	61.2	56.7	52.1	47.6	43.1	38.6	34.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3420	335	63.2	60.4	55.9	51.4	46.9	42.4	37.8	33.3
Med Trucks	17	2	51.0	48.2	43.7	39.2	34.7	30.2	25.7	21.2
Hvy Trucks	17	2	55.4	52.6	48.1	43.6	39.1	34.6	30.0	25.5
TOTAL	3455	338	64.0	61.3	56.8	52.3	47.8	43.2	38.7	34.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1711	168	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Med Trucks	9	1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Hvy Trucks	9	1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TOTAL	1728	169	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
CHANGE FROM FUTURE NO PROJECT										
Autos	94	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	95	9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverSecondAM2019 Year 2019 Weekday

Location: River Road at Country Club Avenue/Second Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	2067	202	61.0	58.2	53.7	49.2	44.7	40.2	35.6	31.1
Med Trucks	10	1	48.8	46.1	41.5	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	10	1	53.2	50.4	45.9	41.4	36.9	32.4	27.9	23.3
TOTAL	2088	204	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2269	222	61.4	58.6	54.1	49.6	45.1	40.6	36.1	31.5
Med Trucks	11	1	49.2	46.5	41.9	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	11	1	53.6	50.8	46.3	41.8	37.3	32.8	28.3	23.7
TOTAL	2292	224	62.3	59.5	55.0	50.5	46.0	41.5	36.9	32.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2320	227	61.5	58.7	54.2	49.7	45.2	40.7	36.1	31.6
Med Trucks	12	1	49.3	46.6	42.0	37.5	33.0	28.5	24.0	19.5
Hvy Trucks	12	1	53.7	50.9	46.4	41.9	37.4	32.9	28.4	23.8
TOTAL	2343	229	62.4	59.6	55.1	50.6	46.1	41.6	37.0	32.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	252	25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Med Trucks	1	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Hvy Trucks	1	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
TOTAL	255	25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CHANGE FROM FUTURE NO PROJECT										
Autos	50	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	51	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverSecondAM2030 Year 2030 Weekday

Location: River Road at Country Club Avenue/Second Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46 meters)	300 (91 meters)	600 (183 meters)	1200 (366 meters)	2400 (732 meters)	4800 (1463 meters)
EXISTING (2007)										
Autos	2067	202	61.0	58.2	53.7	49.2	44.7	40.2	35.6	31.1
Med Trucks	10	1	48.8	46.1	41.5	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	10	1	53.2	50.4	45.9	41.4	36.9	32.4	27.9	23.3
TOTAL	2088	204	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2984	292	62.6	59.8	55.3	50.8	46.3	41.8	37.2	32.7
Med Trucks	15	1	50.4	47.7	43.1	38.6	34.1	29.6	25.1	20.6
Hvy Trucks	15	1	54.8	52.0	47.5	43.0	38.5	34.0	29.5	24.9
TOTAL	3014	295	63.5	60.7	56.2	51.7	47.2	42.6	38.1	33.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3031	297	62.6	59.9	55.4	50.9	46.3	41.8	37.3	32.8
Med Trucks	15	1	50.5	47.7	43.2	38.7	34.2	29.7	25.1	20.6
Hvy Trucks	15	1	54.8	52.1	47.6	43.1	38.6	34.0	29.5	25.0
TOTAL	3062	300	63.5	60.8	56.3	51.7	47.2	42.7	38.2	33.7
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	964	94	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Med Trucks	5	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Hvy Trucks	5	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTAL	974	95	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
CHANGE FROM FUTURE NO PROJECT										
Autos	48	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	48	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverSecondPM2019 Year 2019 Weekday

Location: River Road at Country Club Avenue/Second Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2210	216	61.3	58.5	54.0	49.5	45.0	40.5	35.9	31.4
Med Trucks	11	1	49.1	46.3	41.8	37.3	32.8	28.3	23.8	19.3
Hvy Trucks	11	1	53.5	50.7	46.2	41.7	37.2	32.7	28.1	23.6
TOTAL	2232	219	62.1	59.4	54.9	50.4	45.9	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	2529	248	61.8	59.1	54.6	50.1	45.6	41.0	36.5	32.0
Med Trucks	13	1	49.7	46.9	42.4	37.9	33.4	28.9	24.4	19.8
Hvy Trucks	13	1	54.1	51.3	46.8	42.3	37.8	33.2	28.7	24.2
TOTAL	2555	250	62.7	60.0	55.5	51.0	46.4	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2596	254	62.0	59.2	54.7	50.2	45.7	41.2	36.6	32.1
Med Trucks	13	1	49.8	47.0	42.5	38.0	33.5	29.0	24.5	20.0
Hvy Trucks	13	1	54.2	51.4	46.9	42.4	37.9	33.4	28.8	24.3
TOTAL	2622	257	62.8	60.1	55.6	51.1	46.6	42.0	37.5	33.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	386	38	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Med Trucks	2	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hvy Trucks	2	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
TOTAL	390	38	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
CHANGE FROM FUTURE NO PROJECT										
Autos	66	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	67	7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-RiverSecondPM2030 Year 2030 Weekday

Location: River Road at Country Club Avenue/Second Street

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	2210	216	61.3	58.5	54.0	49.5	45.0	40.5	35.9	31.4
Med Trucks	11	1	49.1	46.3	41.8	37.3	32.8	28.3	23.8	19.3
Hvy Trucks	11	1	53.5	50.7	46.2	41.7	37.2	32.7	28.1	23.6
TOTAL	2232	219	62.1	59.4	54.9	50.4	45.9	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3664	359	63.5	60.7	56.2	51.7	47.2	42.7	38.1	33.6
Med Trucks	19	2	51.3	48.5	44.0	39.5	35.0	30.5	26.0	21.4
Hvy Trucks	19	2	55.7	52.9	48.4	43.9	39.4	34.9	30.3	25.8
TOTAL	3701	362	64.3	61.6	57.1	52.6	48.1	43.5	39.0	34.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3707	363	63.5	60.8	56.2	51.7	47.2	42.7	38.2	33.7
Med Trucks	19	2	51.3	48.6	44.1	39.6	35.0	30.5	26.0	21.5
Hvy Trucks	19	2	55.7	53.0	48.5	43.9	39.4	34.9	30.4	25.9
TOTAL	3744	367	64.4	61.7	57.1	52.6	48.1	43.6	39.1	34.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1497	147	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	8	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	8	1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	1512	148	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	43	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	43	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-Road145Road192AM Year 2030 Weekday

Location: Road 145 at Road 192

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 100	200	400	800	1600	3200	6400
				(meters) 30	61	122	244	488	975	1951
EXISTING (2007)										
Autos	601	59	58.8	54.2	49.7	45.2	40.6	36.1	31.6	27.1
Med Trucks	6	1	49.2	44.6	40.1	35.6	31.0	26.5	22.0	17.5
Hvy Trucks	6	1	52.5	47.9	43.4	38.9	34.4	29.8	25.3	20.8
TOTAL	613	60	60.1	55.5	51.0	46.4	41.9	37.4	32.9	28.4
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	531	52	58.3	53.7	49.1	44.6	40.1	35.6	31.1	26.6
Med Trucks	5	1	48.7	44.1	39.5	35.0	30.5	26.0	21.5	17.0
Hvy Trucks	5	1	52.0	47.4	42.9	38.3	33.8	29.3	24.8	20.3
TOTAL	542	53	59.6	54.9	50.4	45.9	41.4	36.9	32.4	27.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	635	62	59.0	54.4	49.9	45.4	40.9	36.4	31.9	27.3
Med Trucks	6	1	49.5	44.8	40.3	35.8	31.3	26.8	22.3	17.7
Hvy Trucks	6	1	52.8	48.2	43.6	39.1	34.6	30.1	25.6	21.1
TOTAL	648	63	60.3	55.7	51.2	46.7	42.2	37.7	33.1	28.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	34	3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	35	3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CHANGE FROM FUTURE NO PROJECT										
Autos	104	10	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Med Trucks	1	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hvy Trucks	1	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	106	10	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Average speed: 104.6 km/hr= 65.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	98.0%	Autos
15.0%	Evening	1.0%	Medium Trucks
15.0%	Night	1.0%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Peters Engineering Group

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-SR71NBPineAM2019

Location: SR-71 Northbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	383	38	53.7	50.9	46.4	41.9	37.4	32.8	28.3	23.8
Med Trucks	2	0	41.5	38.7	34.2	29.7	25.2	20.7	16.2	11.6
Hvy Trucks	2	0	45.9	43.1	38.6	34.1	29.6	25.1	20.5	16.0
TOTAL	387	38	54.5	51.8	47.3	42.8	38.2	33.7	29.2	24.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1833	180	60.5	57.7	53.2	48.7	44.2	39.6	35.1	30.6
Med Trucks	9	1	48.3	45.5	41.0	36.5	32.0	27.5	23.0	18.4
Hvy Trucks	9	1	52.7	49.9	45.4	40.9	36.4	31.9	27.3	22.8
TOTAL	1852	181	61.3	58.6	54.1	49.6	45.0	40.5	36.0	31.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1956	192	60.7	58.0	53.5	49.0	44.4	39.9	35.4	30.9
Med Trucks	10	1	48.6	45.8	41.3	36.8	32.3	27.8	23.2	18.7
Hvy Trucks	10	1	52.9	50.2	45.7	41.2	36.6	32.1	27.6	23.1
TOTAL	1976	193	61.6	58.9	54.4	49.8	45.3	40.8	36.3	31.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1573	154	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Med Trucks	8	1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Hvy Trucks	8	1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
TOTAL	1589	156	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
CHANGE FROM FUTURE NO PROJECT										
Autos	123	12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	124	12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2030 Weekday

FILE: NOISE-SR71NBPineAM2030

Location: SR-71 Northbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	383	38	53.7	50.9	46.4	41.9	37.4	32.8	28.3	23.8
Med Trucks	2	0	41.5	38.7	34.2	29.7	25.2	20.7	16.2	11.6
Hvy Trucks	2	0	45.9	43.1	38.6	34.1	29.6	25.1	20.5	16.0
TOTAL	387	38	54.5	51.8	47.3	42.8	38.2	33.7	29.2	24.7
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2683	263	62.1	59.4	54.8	50.3	45.8	41.3	36.8	32.3
Med Trucks	14	1	49.9	47.2	42.7	38.2	33.6	29.1	24.6	20.1
Hvy Trucks	14	1	54.3	51.6	47.1	42.5	38.0	33.5	29.0	24.5
TOTAL	2710	265	63.0	60.2	55.7	51.2	46.7	42.2	37.7	33.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2822	276	62.3	59.6	55.1	50.5	46.0	41.5	37.0	32.5
Med Trucks	14	1	50.2	47.4	42.9	38.4	33.9	29.3	24.8	20.3
Hvy Trucks	14	1	54.5	51.8	47.3	42.8	38.2	33.7	29.2	24.7
TOTAL	2850	279	63.2	60.5	56.0	51.4	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2438	239	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Med Trucks	12	1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Hvy Trucks	12	1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
TOTAL	2463	241	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
CHANGE FROM FUTURE NO PROJECT										
Autos	139	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	140	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SR71NBPinePM2019 Year 2019 Weekday

Location: SR-71 Northbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	245	24	51.7	49.0	44.4	39.9	35.4	30.9	26.4	21.9
Med Trucks	1	0	39.5	36.8	32.3	27.8	23.2	18.7	14.2	9.7
Hvy Trucks	1	0	43.9	41.2	36.6	32.1	27.6	23.1	18.6	14.1
TOTAL	247	24	52.6	49.8	45.3	40.8	36.3	31.8	27.3	22.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1910	187	60.6	57.9	53.4	48.9	44.3	39.8	35.3	30.8
Med Trucks	10	1	48.5	45.7	41.2	36.7	32.2	27.7	23.1	18.6
Hvy Trucks	10	1	52.8	50.1	45.6	41.1	36.5	32.0	27.5	23.0
TOTAL	1929	189	61.5	58.8	54.3	49.7	45.2	40.7	36.2	31.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	2066	202	61.0	58.2	53.7	49.2	44.7	40.2	35.6	31.1
Med Trucks	10	1	48.8	46.1	41.5	37.0	32.5	28.0	23.5	19.0
Hvy Trucks	10	1	53.2	50.4	45.9	41.4	36.9	32.4	27.9	23.3
TOTAL	2087	204	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1822	178	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Med Trucks	9	1	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Hvy Trucks	9	1	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
TOTAL	1840	180	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
CHANGE FROM FUTURE NO PROJECT										
Autos	156	15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	158	15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2030 Weekday

FILE: NOISE-SR71NBPinePM2030

Location: SR-71 Northbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75 (23 meters)	150 (46)	300 (91)	600 (183)	1200 (366)	2400 (732)	4800 (1463)
EXISTING (2007)										
Autos	245	24	51.7	49.0	44.4	39.9	35.4	30.9	26.4	21.9
Med Trucks	1	0	39.5	36.8	32.3	27.8	23.2	18.7	14.2	9.7
Hvy Trucks	1	0	43.9	41.2	36.6	32.1	27.6	23.1	18.6	14.1
TOTAL	247	24	52.6	49.8	45.3	40.8	36.3	31.8	27.3	22.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2539	249	61.9	59.1	54.6	50.1	45.6	41.1	36.5	32.0
Med Trucks	13	1	49.7	46.9	42.4	37.9	33.4	28.9	24.4	19.9
Hvy Trucks	13	1	54.1	51.3	46.8	42.3	37.8	33.3	28.8	24.2
TOTAL	2565	251	62.8	60.0	55.5	51.0	46.5	41.9	37.4	32.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2699	264	62.1	59.4	54.9	50.4	45.8	41.3	36.8	32.3
Med Trucks	14	1	50.0	47.2	42.7	38.2	33.7	29.2	24.6	20.1
Hvy Trucks	14	1	54.3	51.6	47.1	42.6	38.0	33.5	29.0	24.5
TOTAL	2726	267	63.0	60.3	55.8	51.2	46.7	42.2	37.7	33.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2454	240	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Med Trucks	12	1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Hvy Trucks	12	1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
TOTAL	2479	243	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
CHANGE FROM FUTURE NO PROJECT										
Autos	159	16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	1	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	161	16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-SR71SBPineAM2019

Location: SR-71 Southbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	620	61	55.7	53.0	48.5	44.0	39.4	34.9	30.4	25.9
Med Trucks	3	0	43.6	40.8	36.3	31.8	27.3	22.8	18.2	13.7
Hvy Trucks	3	0	47.9	45.2	40.7	36.2	31.7	27.1	22.6	18.1
TOTAL	626	61	56.6	53.9	49.4	44.9	40.3	35.8	31.3	26.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1245	122	58.8	56.0	51.5	47.0	42.5	38.0	33.4	28.9
Med Trucks	6	1	46.6	43.9	39.3	34.8	30.3	25.8	21.3	16.8
Hvy Trucks	6	1	51.0	48.2	43.7	39.2	34.7	30.2	25.7	21.1
TOTAL	1258	123	59.7	56.9	52.4	47.9	43.4	38.9	34.3	29.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1273	125	58.9	56.1	51.6	47.1	42.6	38.1	33.5	29.0
Med Trucks	6	1	46.7	44.0	39.4	34.9	30.4	25.9	21.4	16.9
Hvy Trucks	6	1	51.1	48.3	43.8	39.3	34.8	30.3	25.8	21.2
TOTAL	1286	126	59.8	57.0	52.5	48.0	43.5	38.9	34.4	29.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	653	64	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	3	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	3	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	660	65	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	28	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	28	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SR71SBPineAM2030 Year 2030 Weekday

Location: SR-71 Sorthbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	620	61	55.7	53.0	48.5	44.0	39.4	34.9	30.4	25.9
Med Trucks	3	0	43.6	40.8	36.3	31.8	27.3	22.8	18.2	13.7
Hvy Trucks	3	0	47.9	45.2	40.7	36.2	31.7	27.1	22.6	18.1
TOTAL	626	61	56.6	53.9	49.4	44.9	40.3	35.8	31.3	26.8
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	1921	188	60.7	57.9	53.4	48.9	44.4	39.8	35.3	30.8
Med Trucks	10	1	48.5	45.7	41.2	36.7	32.2	27.7	23.2	18.6
Hvy Trucks	10	1	52.9	50.1	45.6	41.1	36.6	32.1	27.5	23.0
TOTAL	1940	190	61.5	58.8	54.3	49.8	45.2	40.7	36.2	31.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	1999	196	60.8	58.1	53.6	49.0	44.5	40.0	35.5	31.0
Med Trucks	10	1	48.7	45.9	41.4	36.9	32.4	27.8	23.3	18.8
Hvy Trucks	10	1	53.0	50.3	45.8	41.3	36.7	32.2	27.7	23.2
TOTAL	2019	198	61.7	59.0	54.5	49.9	45.4	40.9	36.4	31.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1379	135	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Med Trucks	7	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Hvy Trucks	7	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
TOTAL	1393	136	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
CHANGE FROM FUTURE NO PROJECT										
Autos	78	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	79	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
Year 2019 Weekday

FILE: NOISE-SR71SBPinePM2019

Location: SR-71 Southbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	549	54	55.2	52.5	48.0	43.4	38.9	34.4	29.9	25.4
Med Trucks	3	0	43.0	40.3	35.8	31.3	26.8	22.2	17.7	13.2
Hvy Trucks	3	0	47.4	44.7	40.2	35.6	31.1	26.6	22.1	17.6
TOTAL	555	54	56.1	53.4	48.8	44.3	39.8	35.3	30.8	26.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1698	166	60.1	57.4	52.9	48.3	43.8	39.3	34.8	30.3
Med Trucks	9	1	47.9	45.2	40.7	36.2	31.7	27.1	22.6	18.1
Hvy Trucks	9	1	52.3	49.6	45.1	40.5	36.0	31.5	27.0	22.5
TOTAL	1715	168	61.0	58.3	53.7	49.2	44.7	40.2	35.7	31.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1798	176	60.4	57.6	53.1	48.6	44.1	39.6	35.0	30.5
Med Trucks	9	1	48.2	45.4	40.9	36.4	31.9	27.4	22.9	18.4
Hvy Trucks	9	1	52.6	49.8	45.3	40.8	36.3	31.8	27.3	22.7
TOTAL	1816	178	61.3	58.5	54.0	49.5	45.0	40.4	35.9	31.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1248	122	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Med Trucks	6	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Hvy Trucks	6	1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
TOTAL	1261	123	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
CHANGE FROM FUTURE NO PROJECT										
Autos	100	10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	1	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	101	10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SR71SBPinePM2030 Year 2030 Weekday

Location: SR-71 Sorthbound Ramps at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 75	150	300	600	1200	2400	4800
				(meters) 23	46	91	183	366	732	1463
EXISTING (2007)										
Autos	549	54	55.2	52.5	48.0	43.4	38.9	34.4	29.9	25.4
Med Trucks	3	0	43.0	40.3	35.8	31.3	26.8	22.2	17.7	13.2
Hvy Trucks	3	0	47.4	44.7	40.2	35.6	31.1	26.6	22.1	17.6
TOTAL	555	54	56.1	53.4	48.8	44.3	39.8	35.3	30.8	26.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2208	216	61.3	58.5	54.0	49.5	45.0	40.5	35.9	31.4
Med Trucks	11	1	49.1	46.3	41.8	37.3	32.8	28.3	23.8	19.2
Hvy Trucks	11	1	53.5	50.7	46.2	41.7	37.2	32.7	28.1	23.6
TOTAL	2230	218	62.1	59.4	54.9	50.4	45.9	41.3	36.8	32.3
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	2297	225	61.4	58.7	54.2	49.7	45.1	40.6	36.1	31.6
Med Trucks	12	1	49.3	46.5	42.0	37.5	33.0	28.5	23.9	19.4
Hvy Trucks	12	1	53.6	50.9	46.4	41.9	37.3	32.8	28.3	23.8
TOTAL	2320	227	62.3	59.6	55.1	50.5	46.0	41.5	37.0	32.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1747	171	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Med Trucks	9	1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Hvy Trucks	9	1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
TOTAL	1765	173	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CHANGE FROM FUTURE NO PROJECT										
Autos	89	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	90	9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 80.5 km/hr= 50.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SultanaPineAM2019 Year 2019 Weekday

Location: Sultana Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	769	75	54.0	52.1	47.6	43.1	38.6	34.1	29.6	25.0
Med Trucks	4	0	42.2	40.4	35.9	31.3	26.8	22.3	17.8	13.3
Hvy Trucks	4	0	47.5	45.7	41.1	36.6	32.1	27.6	23.1	18.6
TOTAL	777	76	55.1	53.3	48.7	44.2	39.7	35.2	30.7	26.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1065	104	55.4	53.6	49.0	44.5	40.0	35.5	31.0	26.5
Med Trucks	5	1	43.6	41.8	37.3	32.8	28.2	23.7	19.2	14.7
Hvy Trucks	5	1	48.9	47.1	42.6	38.0	33.5	29.0	24.5	20.0
TOTAL	1076	105	56.5	54.7	50.2	45.6	41.1	36.6	32.1	27.6
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1065	104	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	5	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	5	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1076	105	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	296	29	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Med Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Hvy Trucks	1	0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL	299	29	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SultanaPineAM2030 Year 2030 Weekday

Location: Sultana Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	2653	260	59.3	57.5	53.0	48.5	44.0	39.5	34.9	30.4
Med Trucks	13	1	47.6	45.8	41.2	36.7	32.2	27.7	23.2	18.7
Hvy Trucks	13	1	52.8	51.0	46.5	42.0	37.5	33.0	28.5	23.9
TOTAL	2680	262	60.4	58.6	54.1	49.6	45.1	40.6	36.1	31.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (20130										
Autos	2921	286	59.7	57.9	53.4	48.9	44.4	39.9	35.4	30.8
Med Trucks	15	1	48.0	46.2	41.7	37.1	32.6	28.1	23.6	19.1
Hvy Trucks	15	1	53.3	51.5	46.9	42.4	37.9	33.4	28.9	24.4
TOTAL	2950	289	60.9	59.0	54.5	50.0	45.5	41.0	36.5	32.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2921	286	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	15	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	15	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	2950	289	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	267	26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Med Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Hvy Trucks	1	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	270	26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SultanaPinePM2019 Year 2019 Weekday

Location: Sultana Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1091	107	55.5	53.7	49.1	44.6	40.1	35.6	31.1	26.6
Med Trucks	6	1	43.7	41.9	37.4	32.9	28.4	23.8	19.3	14.8
Hvy Trucks	6	1	49.0	47.2	42.7	38.1	33.6	29.1	24.6	20.1
TOTAL	1102	108	56.6	54.8	50.3	45.7	41.2	36.7	32.2	27.7
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1470	144	56.8	55.0	50.4	45.9	41.4	36.9	32.4	27.9
Med Trucks	7	1	45.0	43.2	38.7	34.2	29.6	25.1	20.6	16.1
Hvy Trucks	7	1	50.3	48.5	44.0	39.4	34.9	30.4	25.9	21.4
TOTAL	1485	145	57.9	56.1	51.6	47.0	42.5	38.0	33.5	29.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	1470	144	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	7	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	7	1	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	1485	145	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	379	37	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Med Trucks	2	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Hvy Trucks	2	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTAL	383	38	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SultanaPinePM2030 Year 2030 Weekday

Location: Sultana Avenue at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	0	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3762	368	60.8	59.0	54.5	50.0	45.5	41.0	36.5	31.9
Med Trucks	19	2	49.1	47.3	42.8	38.2	33.7	29.2	24.7	20.2
Hvy Trucks	19	2	54.4	52.6	48.0	43.5	39.0	34.5	30.0	25.5
TOTAL	3800	372	62.0	60.1	55.6	51.1	46.6	42.1	37.6	33.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (20130										
Autos	4063	398	61.2	59.4	54.9	50.3	45.8	41.3	36.8	32.3
Med Trucks	21	2	49.4	47.6	43.1	38.6	34.1	29.5	25.0	20.5
Hvy Trucks	21	2	54.7	52.9	48.4	43.9	39.3	34.8	30.3	25.8
TOTAL	4104	402	62.3	60.5	56.0	51.4	46.9	42.4	37.9	33.4
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	4063	398	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Med Trucks	21	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Hvy Trucks	21	2	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
TOTAL	4104	402	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
CHANGE FROM FUTURE NO PROJECT										
Autos	301	29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Med Trucks	2	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hvy Trucks	2	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	304	30	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SumnerSchleismanAM2019 Year 2019 Weekday

Location: Sumner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	855	84	54.4	52.6	48.1	43.6	39.1	34.5	30.0	25.5
Med Trucks	4	0	42.7	40.8	36.3	31.8	27.3	22.8	18.3	13.7
Hvy Trucks	4	0	47.9	46.1	41.6	37.1	32.6	28.1	23.5	19.0
TOTAL	864	85	55.5	53.7	49.2	44.7	40.2	35.7	31.1	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1353	133	56.4	54.6	50.1	45.6	41.0	36.5	32.0	27.5
Med Trucks	7	1	44.6	42.8	38.3	33.8	29.3	24.8	20.3	15.7
Hvy Trucks	7	1	49.9	48.1	43.6	39.1	34.6	30.0	25.5	21.0
TOTAL	1367	134	57.5	55.7	51.2	46.7	42.2	37.6	33.1	28.6
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1417	139	56.6	54.8	50.3	45.8	41.2	36.7	32.2	27.7
Med Trucks	7	1	44.8	43.0	38.5	34.0	29.5	25.0	20.5	15.9
Hvy Trucks	7	1	50.1	48.3	43.8	39.3	34.8	30.2	25.7	21.2
TOTAL	1431	140	57.7	55.9	51.4	46.9	42.4	37.8	33.3	28.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	561	55	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	3	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	3	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	567	56	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	63	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	64	6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SumnerSchleismanAM2030 Year 2030 Weekday

Location: Sumner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	855	84	54.4	52.6	48.1	43.6	39.1	34.5	30.0	25.5
Med Trucks	4	0	42.7	40.8	36.3	31.8	27.3	22.8	18.3	13.7
Hvy Trucks	4	0	47.9	46.1	41.6	37.1	32.6	28.1	23.5	19.0
TOTAL	864	85	55.5	53.7	49.2	44.7	40.2	35.7	31.1	26.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3117	305	60.0	58.2	53.7	49.2	44.7	40.2	35.6	31.1
Med Trucks	16	2	48.3	46.5	41.9	37.4	32.9	28.4	23.9	19.4
Hvy Trucks	16	2	53.5	51.7	47.2	42.7	38.2	33.7	29.2	24.6
TOTAL	3148	308	61.1	59.3	54.8	50.3	45.8	41.3	36.8	32.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3165	310	60.1	58.3	53.8	49.3	44.7	40.2	35.7	31.2
Med Trucks	16	2	48.3	46.5	42.0	37.5	33.0	28.5	23.9	19.4
Hvy Trucks	16	2	53.6	51.8	47.3	42.8	38.3	33.7	29.2	24.7
TOTAL	3197	313	61.2	59.4	54.9	50.4	45.8	41.3	36.8	32.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2310	226	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Med Trucks	12	1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Hvy Trucks	12	1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
TOTAL	2333	228	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
CHANGE FROM FUTURE NO PROJECT										
Autos	49	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	49	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SumnerSchleismanPM2019 Year 2019 Weekday

Location: Sumner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	790	77	54.1	52.3	47.7	43.2	38.7	34.2	29.7	25.2
Med Trucks	4	0	42.3	40.5	36.0	31.5	26.9	22.4	17.9	13.4
Hvy Trucks	4	0	47.6	45.8	41.3	36.7	32.2	27.7	23.2	18.7
TOTAL	798	78	55.2	53.4	48.9	44.3	39.8	35.3	30.8	26.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1517	149	56.9	55.1	50.6	46.1	41.5	37.0	32.5	28.0
Med Trucks	8	1	45.1	43.3	38.8	34.3	29.8	25.3	20.8	16.2
Hvy Trucks	8	1	50.4	48.6	44.1	39.6	35.1	30.5	26.0	21.5
TOTAL	1532	150	58.0	56.2	51.7	47.2	42.7	38.1	33.6	29.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1599	157	57.1	55.3	50.8	46.3	41.8	37.3	32.7	28.2
Med Trucks	8	1	45.4	43.6	39.0	34.5	30.0	25.5	21.0	16.5
Hvy Trucks	8	1	50.6	48.8	44.3	39.8	35.3	30.8	26.3	21.7
TOTAL	1615	158	58.2	56.4	51.9	47.4	42.9	38.4	33.9	29.3
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	809	79	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Med Trucks	4	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Hvy Trucks	4	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
TOTAL	817	80	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
CHANGE FROM FUTURE NO PROJECT										
Autos	82	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Med Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hvy Trucks	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL	83	8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-SumnerSchleismanPM2030 Year 2030 Weekday

Location: Sumner Avenue at Schleisman Road

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	790	77	54.1	52.3	47.7	43.2	38.7	34.2	29.7	25.2
Med Trucks	4	0	42.3	40.5	36.0	31.5	26.9	22.4	17.9	13.4
Hvy Trucks	4	0	47.6	45.8	41.3	36.7	32.2	27.7	23.2	18.7
TOTAL	798	78	55.2	53.4	48.9	44.3	39.8	35.3	30.8	26.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	4099	401	61.2	59.4	54.9	50.4	45.9	41.3	36.8	32.3
Med Trucks	21	2	49.5	47.6	43.1	38.6	34.1	29.6	25.1	20.6
Hvy Trucks	21	2	54.7	52.9	48.4	43.9	39.4	34.9	30.3	25.8
TOTAL	4140	405	62.3	60.5	56.0	51.5	47.0	42.5	37.9	33.4
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	4159	407	61.3	59.5	55.0	50.4	45.9	41.4	36.9	32.4
Med Trucks	21	2	49.5	47.7	43.2	38.7	34.2	29.6	25.1	20.6
Hvy Trucks	21	2	54.8	53.0	48.5	44.0	39.4	34.9	30.4	25.9
TOTAL	4201	411	62.4	60.6	56.1	51.6	47.0	42.5	38.0	33.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	3369	330	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Med Trucks	17	2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Hvy Trucks	17	2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
TOTAL	3403	333	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
CHANGE FROM FUTURE NO PROJECT										
Autos	60	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	61	6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopBickmoreAM2019 Year 2019 Weekday

Location: West Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	496	49	52.0	50.2	45.7	41.2	36.7	32.2	27.7	23.1
Med Trucks	3	0	40.3	38.5	34.0	29.4	24.9	20.4	15.9	11.4
Hvy Trucks	3	0	45.6	43.8	39.2	34.7	30.2	25.7	21.2	16.7
TOTAL	501	49	53.2	51.3	46.8	42.3	37.8	33.3	28.8	24.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	602	59	52.9	51.1	46.6	42.0	37.5	33.0	28.5	24.0
Med Trucks	3	0	41.1	39.3	34.8	30.3	25.8	21.3	16.7	12.2
Hvy Trucks	3	0	46.4	44.6	40.1	35.6	31.0	26.5	22.0	17.5
TOTAL	608	60	54.0	52.2	47.7	43.2	38.6	34.1	29.6	25.1
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	608	60	52.9	51.1	46.6	42.1	37.6	33.1	28.5	24.0
Med Trucks	3	0	41.2	39.4	34.8	30.3	25.8	21.3	16.8	12.3
Hvy Trucks	3	0	46.4	44.6	40.1	35.6	31.1	26.6	22.1	17.5
TOTAL	614	60	54.0	52.2	47.7	43.2	38.7	34.2	29.7	25.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	112	11	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Med Trucks	1	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Hvy Trucks	1	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL	113	11	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CHANGE FROM FUTURE NO PROJECT										
Autos	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopBickmoreAM2030 Year 2030 Weekday

Location: West Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters)	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	496	49	52.0	50.2	45.7	41.2	36.7	32.2	27.7	23.1
Med Trucks	3	0	40.3	38.5	34.0	29.4	24.9	20.4	15.9	11.4
Hvy Trucks	3	0	45.6	43.8	39.2	34.7	30.2	25.7	21.2	16.7
TOTAL	501	49	53.2	51.3	46.8	42.3	37.8	33.3	28.8	24.3
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	824	81	54.3	52.4	47.9	43.4	38.9	34.4	29.9	25.3
Med Trucks	4	0	42.5	40.7	36.2	31.6	27.1	22.6	18.1	13.6
Hvy Trucks	4	0	47.8	46.0	41.4	36.9	32.4	27.9	23.4	18.9
TOTAL	832	81	55.4	53.5	49.0	44.5	40.0	35.5	31.0	26.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	831	81	54.3	52.5	48.0	43.4	38.9	34.4	29.9	25.4
Med Trucks	4	0	42.5	40.7	36.2	31.7	27.2	22.7	18.1	13.6
Hvy Trucks	4	0	47.8	46.0	41.5	37.0	32.4	27.9	23.4	18.9
TOTAL	839	82	55.4	53.6	49.1	44.6	40.0	35.5	31.0	26.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	335	33	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Med Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Hvy Trucks	2	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TOTAL	338	33	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopBickmorePM2019 Year 2019 Weekday

Location: West Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	170	17	47.4	45.6	41.1	36.6	32.0	27.5	23.0	18.5
Med Trucks	1	0	35.6	33.8	29.3	24.8	20.3	15.8	11.3	6.7
Hvy Trucks	1	0	40.9	39.1	34.6	30.1	25.6	21.0	16.5	12.0
TOTAL	172	17	48.5	46.7	42.2	37.7	33.2	28.6	24.1	19.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	393	38	51.0	49.2	44.7	40.2	35.7	31.2	26.6	22.1
Med Trucks	2	0	39.3	37.5	32.9	28.4	23.9	19.4	14.9	10.4
Hvy Trucks	2	0	44.6	42.7	38.2	33.7	29.2	24.7	20.2	15.6
TOTAL	397	39	52.1	50.3	45.8	41.3	36.8	32.3	27.8	23.2
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	391	38	51.0	49.2	44.7	40.2	35.7	31.1	26.6	22.1
Med Trucks	2	0	39.3	37.4	32.9	28.4	23.9	19.4	14.9	10.3
Hvy Trucks	2	0	44.5	42.7	38.2	33.7	29.2	24.7	20.1	15.6
TOTAL	395	39	52.1	50.3	45.8	41.3	36.8	32.3	27.7	23.2
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	221	22	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Med Trucks	1	0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Hvy Trucks	1	0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
TOTAL	223	22	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
CHANGE FROM FUTURE NO PROJECT										
Autos	-2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	-2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopBickmorePM2030 Year 2030 Weekday

Location: West Preserve Loop at Bickmore Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				20	40	79 (meters)	158	317	634	1268
EXISTING (2007)										
Autos	170	17	47.4	45.6	41.1	36.6	32.0	27.5	23.0	18.5
Med Trucks	1	0	35.6	33.8	29.3	24.8	20.3	15.8	11.3	6.7
Hvy Trucks	1	0	40.9	39.1	34.6	30.1	25.6	21.0	16.5	12.0
TOTAL	172	17	48.5	46.7	42.2	37.7	33.2	28.6	24.1	19.6
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	939	92	54.8	53.0	48.5	44.0	39.5	34.9	30.4	25.9
Med Trucks	5	0	43.1	41.2	36.7	32.2	27.7	23.2	18.7	14.2
Hvy Trucks	5	0	48.3	46.5	42.0	37.5	33.0	28.5	23.9	19.4
TOTAL	948	93	55.9	54.1	49.6	45.1	40.6	36.1	31.5	27.0
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	947	93	54.9	53.0	48.5	44.0	39.5	35.0	30.5	26.0
Med Trucks	5	0	43.1	41.3	36.8	32.3	27.7	23.2	18.7	14.2
Hvy Trucks	5	0	48.4	46.6	42.0	37.5	33.0	28.5	24.0	19.5
TOTAL	957	94	56.0	54.2	49.6	45.1	40.6	36.1	31.6	27.1
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	777	76	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Med Trucks	4	0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Hvy Trucks	4	0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
TOTAL	785	77	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopPineAM2019 Year 2019 Weekday

Location: West Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1209	118	55.9	54.1	49.6	45.1	40.6	36.0	31.5	27.0
Med Trucks	6	1	44.2	42.3	37.8	33.3	28.8	24.3	19.8	15.2
Hvy Trucks	6	1	49.4	47.6	43.1	38.6	34.1	29.6	25.0	20.5
TOTAL	1221	120	57.0	55.2	50.7	46.2	41.7	37.2	32.6	28.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1812	177	57.7	55.9	51.3	46.8	42.3	37.8	33.3	28.8
Med Trucks	9	1	45.9	44.1	39.6	35.1	30.6	26.0	21.5	17.0
Hvy Trucks	9	1	51.2	49.4	44.9	40.3	35.8	31.3	26.8	22.3
TOTAL	1830	179	58.8	57.0	52.5	47.9	43.4	38.9	34.4	29.9
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1843	180	57.8	55.9	51.4	46.9	42.4	37.9	33.4	28.8
Med Trucks	9	1	46.0	44.2	39.7	35.1	30.6	26.1	21.6	17.1
Hvy Trucks	9	1	51.3	49.5	44.9	40.4	35.9	31.4	26.9	22.4
TOTAL	1862	182	58.9	57.0	52.5	48.0	43.5	39.0	34.5	30.0
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	635	62	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Med Trucks	3	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Hvy Trucks	3	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	641	63	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CHANGE FROM FUTURE NO PROJECT										
Autos	32	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	32	3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopPineAM2030 Year 2030 Weekday

Location: West Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1209	118	55.9	54.1	49.6	45.1	40.6	36.0	31.5	27.0
Med Trucks	6	1	44.2	42.3	37.8	33.3	28.8	24.3	19.8	15.2
Hvy Trucks	6	1	49.4	47.6	43.1	38.6	34.1	29.6	25.0	20.5
TOTAL	1221	120	57.0	55.2	50.7	46.2	41.7	37.2	32.6	28.1
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3289	322	60.3	58.5	53.9	49.4	44.9	40.4	35.9	31.4
Med Trucks	17	2	48.5	46.7	42.2	37.7	33.1	28.6	24.1	19.6
Hvy Trucks	17	2	53.8	52.0	47.5	42.9	38.4	33.9	29.4	24.9
TOTAL	3322	325	61.4	59.6	55.0	50.5	46.0	41.5	37.0	32.5
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3296	323	60.3	58.5	53.9	49.4	44.9	40.4	35.9	31.4
Med Trucks	17	2	48.5	46.7	42.2	37.7	33.2	28.6	24.1	19.6
Hvy Trucks	17	2	53.8	52.0	47.5	42.9	38.4	33.9	29.4	24.9
TOTAL	3329	326	61.4	59.6	55.1	50.5	46.0	41.5	37.0	32.5
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2087	204	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Med Trucks	11	1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Hvy Trucks	11	1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
TOTAL	2108	206	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
CHANGE FROM FUTURE NO PROJECT										
Autos	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopPinePM2019 Year 2019 Weekday

Location: West Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Traffic Volume Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1053	103	55.3	53.5	49.0	44.5	40.0	35.4	30.9	26.4
Med Trucks	5	1	43.6	41.7	37.2	32.7	28.2	23.7	19.2	14.7
Hvy Trucks	5	1	48.8	47.0	42.5	38.0	33.5	29.0	24.4	19.9
TOTAL	1064	104	56.4	54.6	50.1	45.6	41.1	36.6	32.0	27.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2019)										
Autos	1767	173	57.6	55.8	51.2	46.7	42.2	37.7	33.2	28.7
Med Trucks	9	1	45.8	44.0	39.5	35.0	30.4	25.9	21.4	16.9
Hvy Trucks	9	1	51.1	49.3	44.8	40.2	35.7	31.2	26.7	22.2
TOTAL	1785	175	58.7	56.9	52.3	47.8	43.3	38.8	34.3	29.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2019)										
Autos	1808	177	57.7	55.9	51.3	46.8	42.3	37.8	33.3	28.8
Med Trucks	9	1	45.9	44.1	39.6	35.1	30.5	26.0	21.5	17.0
Hvy Trucks	9	1	51.2	49.4	44.9	40.3	35.8	31.3	26.8	22.3
TOTAL	1826	179	58.8	57.0	52.4	47.9	43.4	38.9	34.4	29.9
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	754	74	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Med Trucks	4	0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Hvy Trucks	4	0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
TOTAL	762	75	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
CHANGE FROM FUTURE NO PROJECT										
Autos	41	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Med Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hvy Trucks	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL	41	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads

Table 1
TRAFFIC NOISE IMPACT
FILE: NOISE-WPreserveLoopPinePM2030 Year 2030 Weekday

Location: West Preserve Loop at Pine Avenue

Vehicle Type	Traffic Volume 24-hr volume	Equiv 1-hr	Noise Reference Level (15 meters	Noise Level (dB Ldn) Centerline Distance (feet) 65	130	260	520	1040	2080	4160
				(meters) 20	40	79	158	317	634	1268
EXISTING (2007)										
Autos	1053	103	55.3	53.5	49.0	44.5	40.0	35.4	30.9	26.4
Med Trucks	5	1	43.6	41.7	37.2	32.7	28.2	23.7	19.2	14.7
Hvy Trucks	5	1	48.8	47.0	42.5	38.0	33.5	29.0	24.4	19.9
TOTAL	1064	104	56.4	54.6	50.1	45.6	41.1	36.6	32.0	27.5
Attenuation from existing walls:										
FUTURE NO PROJECT (2030)										
Autos	3511	344	60.5	58.7	54.2	49.7	45.2	40.7	36.2	31.6
Med Trucks	18	2	48.8	47.0	42.5	37.9	33.4	28.9	24.4	19.9
Hvy Trucks	18	2	54.1	52.3	47.7	43.2	38.7	34.2	29.7	25.2
TOTAL	3546	347	61.7	59.8	55.3	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
FUTURE WITH PROJECT (2030)										
Autos	3519	345	60.6	58.7	54.2	49.7	45.2	40.7	36.2	31.7
Med Trucks	18	2	48.8	47.0	42.5	38.0	33.4	28.9	24.4	19.9
Hvy Trucks	18	2	54.1	52.3	47.7	43.2	38.7	34.2	29.7	25.2
TOTAL	3555	348	61.7	59.9	55.3	50.8	46.3	41.8	37.3	32.8
Attenuation from existing walls:										
CHANGE FROM EXISTING										
Autos	2466	241	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Med Trucks	12	1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Hvy Trucks	12	1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
TOTAL	2491	244	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
CHANGE FROM FUTURE NO PROJECT										
Autos	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Med Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hvy Trucks	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average speed: 64.4 km/hr= 40.0 mi/hr

Time of day:		Fleet Mi	
70.0%	Day	99.0%	Autos
15.0%	Evening	0.5%	Medium Trucks
15.0%	Night	0.5%	Heavy Trucks
100.0%		100.0%	

Notes: Based on methods of Federal Highway Administration "Highway Traffic Noise Model", FHWA-RD-77-108, December, 1978.
Traffic data obtained from Urban Crossroads