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# **Appendix I3**

## Traffic Noise Modeling Data





**INPUT: ROADWAYS**

**Apple Valley**

		point26	26	6,255,420.0	2,520,962.0	0.00				Average	
		point27	27	6,254,814.5	2,520,200.5	0.00				Average	
		point28	28	6,254,293.5	2,519,509.0	0.00				Average	
		point29	29	6,253,832.0	2,518,862.0	0.00				Average	
		point30	30	6,253,220.5	2,518,073.0	0.00				Average	
		point31	31	6,252,722.0	2,517,410.0	0.00				Average	
		point32	32	6,252,051.0	2,516,526.0	0.00				Average	
		point33	33	6,251,513.5	2,515,828.0	0.00				Average	
		point34	34	6,251,021.5	2,515,189.0	0.00				Average	
		point35	35	6,250,744.0	2,514,825.5	0.00				Average	
		point36	36	6,250,304.5	2,514,249.0	0.00				Average	
		point37	37	6,249,990.0	2,513,810.8	0.00				Average	
		point38	38	6,249,634.5	2,513,182.0	0.00					
i15 north	80.0	point39	39	6,249,706.5	2,513,142.8	0.00				Average	
		point40	40	6,249,836.0	2,513,407.8	0.00				Average	
		point41	41	6,249,932.0	2,513,590.2	0.00				Average	
		point42	42	6,250,038.5	2,513,781.8	0.00				Average	
		point43	43	6,250,229.0	2,514,033.5	0.00				Average	
		point44	44	6,250,491.5	2,514,376.0	0.00				Average	
		point45	45	6,250,767.0	2,514,763.2	0.00				Average	
		point46	46	6,251,098.5	2,515,177.0	0.00				Average	
		point47	47	6,251,387.5	2,515,559.2	0.00				Average	
		point48	48	6,251,762.0	2,516,064.0	0.00				Average	
		point49	49	6,252,112.0	2,516,496.2	0.00				Average	
		point50	50	6,252,558.5	2,517,075.5	0.00				Average	
		point51	51	6,252,840.0	2,517,439.5	0.00				Average	
		point52	52	6,253,309.0	2,518,059.2	0.00				Average	
		point53	53	6,253,573.0	2,518,404.8	0.00				Average	
		point54	54	6,253,789.0	2,518,698.5	0.00				Average	
		point55	55	6,254,101.0	2,519,101.8	0.00				Average	
		point56	56	6,254,422.0	2,519,511.8	0.00				Average	
		point57	57	6,254,695.5	2,519,855.2	0.00				Average	
		point58	58	6,254,934.0	2,520,165.8	0.00				Average	
		point59	59	6,255,094.5	2,520,379.5	0.00				Average	
		point60	60	6,255,342.0	2,520,712.2	0.00				Average	
		point61	61	6,255,567.5	2,521,001.2	0.00				Average	
		point62	62	6,255,841.5	2,521,334.2	0.00				Average	
		point63	63	6,256,175.5	2,521,808.5	0.00				Average	
		point64	64	6,256,382.0	2,522,065.2	0.00				Average	

**INPUT: ROADWAYS**

**Apple Valley**

		point65	65	6,256,553.0	2,522,306.8	0.00				Average
		point66	66	6,256,809.0	2,522,634.5	0.00				Average
		point67	67	6,257,053.0	2,522,942.2	0.00				Average
		point68	68	6,257,359.5	2,523,411.2	0.00				Average
		point69	69	6,257,714.0	2,523,922.0	0.00				
Falchion	40.0	point70	70	6,252,801.5	2,517,142.8	0.00				Average
		point71	71	6,254,965.5	2,517,145.8	0.00				
Outer Hwy	30.0	point79	79	6,258,300.0	2,524,073.5	0.00				Average
		point80	80	6,258,284.5	2,523,773.5	0.00				Average
		point81	81	6,258,259.0	2,523,681.2	0.00				Average
		point82	82	6,258,167.0	2,523,581.8	0.00				Average
		point83	83	6,258,014.0	2,523,521.2	0.00				Average
		point84	84	6,257,770.5	2,523,494.5	0.00				Average
		point85	85	6,257,572.5	2,523,435.8	0.00				Average
		point86	86	6,257,426.5	2,523,324.8	0.00				Average
		point87	87	6,256,569.0	2,522,203.2	0.00				Average
		point88	88	6,255,697.5	2,521,074.0	0.00				Average
		point89	89	6,255,033.5	2,520,195.2	0.00				Average
		point90	90	6,254,892.0	2,519,836.5	0.00				Average
		point91	91	6,254,741.5	2,519,450.2	0.00				Average
		point92	92	6,254,599.5	2,519,263.8	0.00				Average
		point93	93	6,254,372.0	2,519,094.8	0.00				Average
		point94	94	6,253,963.5	2,518,794.2	0.00				Average
		point95	95	6,253,403.5	2,518,075.5	0.00				Average
		point96	96	6,252,693.0	2,517,142.2	0.00				
Apple Valley Road-2	40.0	point108	108	6,254,965.5	2,517,145.8	0.00				Average
		point72	72	6,254,915.5	2,514,881.0	0.00				Average
		point73	73	6,254,910.5	2,513,743.0	0.00				Average
		point74	74	6,254,763.5	2,513,046.5	0.00				Average
		point75	75	6,254,119.0	2,512,661.8	0.00				Average
		point76	76	6,253,634.0	2,512,264.2	0.00				Average
		point77	77	6,253,594.5	2,511,367.5	0.00				Average
		point78	78	6,253,473.5	2,509,976.8	0.00				
Outer Hwy-2	30.0	point109	109	6,252,693.0	2,517,142.2	0.00				Average
		point97	97	6,251,964.5	2,516,170.8	0.00				Average
		point98	98	6,251,455.0	2,515,526.0	0.00				Average
		point99	99	6,251,138.5	2,515,111.2	0.00				Average
		point100	100	6,250,857.0	2,514,782.2	0.00				Average
		point101	101	6,250,346.0	2,514,100.5	0.00				Average

**INPUT: ROADWAYS**

**Apple Valley**

		point102	102	6,249,952.5	2,513,518.2	0.00				Average	
		point103	103	6,249,751.0	2,513,115.2	0.00				Average	
		point104	104	6,249,539.5	2,512,627.2	0.00				Average	
		point105	105	6,249,334.5	2,512,139.5	0.00				Average	
		point106	106	6,249,283.5	2,511,857.5	0.00				Average	
		point107	107	6,249,198.5	2,511,453.8	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes

Apple Valley

Dudek													
CB													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	Apple Valley												
RUN:	Existing												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Stoddard Wells Road	point1	1	0	0	0	0	0	0	0	0	0	0	0
	point2	2	0	0	0	0	0	0	0	0	0	0	0
	point3	3	0	0	0	0	0	0	0	0	0	0	0
	point4	4	0	0	0	0	0	0	0	0	0	0	0
	point5	5	0	0	0	0	0	0	0	0	0	0	0
	point6	6	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8	0	0	0	0	0	0	0	0	0	0	0
	point9	9	0	0	0	0	0	0	0	0	0	0	0
	point10	10	0	0	0	0	0	0	0	0	0	0	0
	point11	11	0	0	0	0	0	0	0	0	0	0	0
	point12	12	0	0	0	0	0	0	0	0	0	0	0
	point13	13	0	0	0	0	0	0	0	0	0	0	0
	point14	14	0	0	0	0	0	0	0	0	0	0	0
	point15	15	0	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0	0
	point19	19	0	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0	0
	point21	21											
i15 south	point22	22	2328	65	48	65	24	65	0	0	0	0	0
	point23	23	2328	65	48	65	24	65	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point24	24	2328	65	48	65	24	65	0	0	0	0
	point25	25	2328	65	48	65	24	65	0	0	0	0
	point26	26	2328	65	48	65	24	65	0	0	0	0
	point27	27	2328	65	48	65	24	65	0	0	0	0
	point28	28	2328	65	48	65	24	65	0	0	0	0
	point29	29	2328	65	48	65	24	65	0	0	0	0
	point30	30	2328	65	48	65	24	65	0	0	0	0
	point31	31	2328	65	48	65	24	65	0	0	0	0
	point32	32	2328	65	48	65	24	65	0	0	0	0
	point33	33	2328	65	48	65	24	65	0	0	0	0
	point34	34	2328	65	48	65	24	65	0	0	0	0
	point35	35	2328	65	48	65	24	65	0	0	0	0
	point36	36	2328	65	48	65	24	65	0	0	0	0
	point37	37	2328	65	48	65	24	65	0	0	0	0
	point38	38										
i15 north	point39	39	2328	65	48	65	24	65	0	0	0	0
	point40	40	2328	65	48	65	24	65	0	0	0	0
	point41	41	2328	65	48	65	24	65	0	0	0	0
	point42	42	2328	65	48	65	24	65	0	0	0	0
	point43	43	2328	65	48	65	24	65	0	0	0	0
	point44	44	2328	65	48	65	24	65	0	0	0	0
	point45	45	2328	65	48	65	24	65	0	0	0	0
	point46	46	2328	65	48	65	24	65	0	0	0	0
	point47	47	2328	65	48	65	24	65	0	0	0	0
	point48	48	2328	65	48	65	24	65	0	0	0	0
	point49	49	2328	65	48	65	24	65	0	0	0	0
	point50	50	2328	65	48	65	24	65	0	0	0	0
	point51	51	2328	65	48	65	24	65	0	0	0	0
	point52	52	2328	65	48	65	24	65	0	0	0	0
	point53	53	2328	65	48	65	24	65	0	0	0	0
	point54	54	2328	65	48	65	24	65	0	0	0	0
	point55	55	2328	65	48	65	24	65	0	0	0	0
	point56	56	2328	65	48	65	24	65	0	0	0	0
	point57	57	2328	65	48	65	24	65	0	0	0	0
	point58	58	2328	65	48	65	24	65	0	0	0	0
	point59	59	2328	65	48	65	24	65	0	0	0	0



**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point60	60	2328	65	48	65	24	65	0	0	0	0
	point61	61	2328	65	48	65	24	65	0	0	0	0
	point62	62	2328	65	48	65	24	65	0	0	0	0
	point63	63	2328	65	48	65	24	65	0	0	0	0
	point64	64	2328	65	48	65	24	65	0	0	0	0
	point65	65	2328	65	48	65	24	65	0	0	0	0
	point66	66	2328	65	48	65	24	65	0	0	0	0
	point67	67	2328	65	48	65	24	65	0	0	0	0
	point68	68	2328	65	48	65	24	65	0	0	0	0
	point69	69										
Falchion	point70	70	41	35	0	0	0	0	0	0	0	0
	point71	71										
Outer Hwy	point79	79	72	50	0	0	0	0	0	0	0	0
	point80	80	72	50	0	0	0	0	0	0	0	0
	point81	81	72	50	0	0	0	0	0	0	0	0
	point82	82	72	50	0	0	0	0	0	0	0	0
	point83	83	72	50	0	0	0	0	0	0	0	0
	point84	84	72	50	0	0	0	0	0	0	0	0
	point85	85	72	50	0	0	0	0	0	0	0	0
	point86	86	72	50	0	0	0	0	0	0	0	0
	point87	87	72	50	0	0	0	0	0	0	0	0
	point88	88	72	50	0	0	0	0	0	0	0	0
	point89	89	72	50	0	0	0	0	0	0	0	0
	point90	90	72	50	0	0	0	0	0	0	0	0
	point91	91	72	50	0	0	0	0	0	0	0	0
	point92	92	72	50	0	0	0	0	0	0	0	0
	point93	93	72	50	0	0	0	0	0	0	0	0
	point94	94	72	50	0	0	0	0	0	0	0	0
	point95	95	72	50	0	0	0	0	0	0	0	0
	point96	96										
Apple Valley Road-2	point108	108	0	0	0	0	0	0	0	0	0	0
	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74	0	0	0	0	0	0	0	0	0	0
	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76	0	0	0	0	0	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Outer Hwy-2	point109	109	91	50	0	0	0	0	0	0	0	0
	point97	97	91	50	0	0	0	0	0	0	0	0
	point98	98	91	50	0	0	0	0	0	0	0	0
	point99	99	91	50	0	0	0	0	0	0	0	0
	point100	100	91	50	0	0	0	0	0	0	0	0
	point101	101	91	50	0	0	0	0	0	0	0	0
	point102	102	91	50	0	0	0	0	0	0	0	0
	point103	103	91	50	0	0	0	0	0	0	0	0
	point104	104	91	50	0	0	0	0	0	0	0	0
	point105	105	91	50	0	0	0	0	0	0	0	0
	point106	106	91	50	0	0	0	0	0	0	0	0
	point107	107										



**RESULTS: SOUND LEVELS**

Apple Valley

Dudek													30 October 2023	
CB													TNM 2.5	
													Calculated with TNM 2.5	
<b>RESULTS: SOUND LEVELS</b>														
<b>PROJECT/CONTRACT:</b>			Apple Valley											
<b>RUN:</b>			Existing											
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH											
<b>Receiver</b>														
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>					
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>	
								<b>Sub'l Inc</b>			<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
ST1		1	1	55.4	55.6	66	0.2	10	----	55.6	0.0	8	-8.0	
ST2		2	1	42.3	37.3	66	-5.0	10	----	37.3	0.0	8	-8.0	
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>										
				<b>Min</b>	<b>Avg</b>	<b>Max</b>								
				<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected			2	0.0	0.0	0.0								
All Impacted			0	0.0	0.0	0.0								
All that meet NR Goal			0	0.0	0.0	0.0								



**INPUT: ROADWAYS**

**Apple Valley**

		point26	26	6,255,420.0	2,520,962.0	0.00				Average	
		point27	27	6,254,814.5	2,520,200.5	0.00				Average	
		point28	28	6,254,293.5	2,519,509.0	0.00				Average	
		point29	29	6,253,832.0	2,518,862.0	0.00				Average	
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		point34	34	6,251,021.5	2,515,189.0	0.00				Average	
		point35	35	6,250,744.0	2,514,825.5	0.00				Average	
		point36	36	6,250,304.5	2,514,249.0	0.00				Average	
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		point40	40	6,249,836.0	2,513,407.8	0.00				Average	
		point41	41	6,249,932.0	2,513,590.2	0.00				Average	
		point42	42	6,250,038.5	2,513,781.8	0.00				Average	
		point43	43	6,250,229.0	2,514,033.5	0.00				Average	
		point44	44	6,250,491.5	2,514,376.0	0.00				Average	
		point45	45	6,250,767.0	2,514,763.2	0.00				Average	
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		point52	52	6,253,309.0	2,518,059.2	0.00				Average	
		point53	53	6,253,573.0	2,518,404.8	0.00				Average	
		point54	54	6,253,789.0	2,518,698.5	0.00				Average	
		point55	55	6,254,101.0	2,519,101.8	0.00				Average	
		point56	56	6,254,422.0	2,519,511.8	0.00				Average	
		point57	57	6,254,695.5	2,519,855.2	0.00				Average	
		point58	58	6,254,934.0	2,520,165.8	0.00				Average	
		point59	59	6,255,094.5	2,520,379.5	0.00				Average	
		point60	60	6,255,342.0	2,520,712.2	0.00				Average	
		point61	61	6,255,567.5	2,521,001.2	0.00				Average	
		point62	62	6,255,841.5	2,521,334.2	0.00				Average	
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		point64	64	6,256,382.0	2,522,065.2	0.00				Average	

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**Apple Valley**

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		point66	66	6,256,809.0	2,522,634.5	0.00				Average
		point67	67	6,257,053.0	2,522,942.2	0.00				Average
		point68	68	6,257,359.5	2,523,411.2	0.00				Average
		point69	69	6,257,714.0	2,523,922.0	0.00				
Falchion	40.0	point70	70	6,252,801.5	2,517,142.8	0.00				Average
		point71	71	6,254,965.5	2,517,145.8	0.00				
Outer Hwy	30.0	point79	79	6,258,300.0	2,524,073.5	0.00				Average
		point80	80	6,258,284.5	2,523,773.5	0.00				Average
		point81	81	6,258,259.0	2,523,681.2	0.00				Average
		point82	82	6,258,167.0	2,523,581.8	0.00				Average
		point83	83	6,258,014.0	2,523,521.2	0.00				Average
		point84	84	6,257,770.5	2,523,494.5	0.00				Average
		point85	85	6,257,572.5	2,523,435.8	0.00				Average
		point86	86	6,257,426.5	2,523,324.8	0.00				Average
		point87	87	6,256,569.0	2,522,203.2	0.00				Average
		point88	88	6,255,697.5	2,521,074.0	0.00				Average
		point89	89	6,255,033.5	2,520,195.2	0.00				Average
		point90	90	6,254,892.0	2,519,836.5	0.00				Average
		point91	91	6,254,741.5	2,519,450.2	0.00				Average
		point92	92	6,254,599.5	2,519,263.8	0.00				Average
		point93	93	6,254,372.0	2,519,094.8	0.00				Average
		point94	94	6,253,963.5	2,518,794.2	0.00				Average
		point95	95	6,253,403.5	2,518,075.5	0.00				Average
		point96	96	6,252,693.0	2,517,142.2	0.00				
Apple Valley Road-2	40.0	point108	108	6,254,965.5	2,517,145.8	0.00				Average
		point72	72	6,254,915.5	2,514,881.0	0.00				Average
		point73	73	6,254,910.5	2,513,743.0	0.00				Average
		point74	74	6,254,763.5	2,513,046.5	0.00				Average
		point75	75	6,254,119.0	2,512,661.8	0.00				Average
		point76	76	6,253,634.0	2,512,264.2	0.00				Average
		point77	77	6,253,594.5	2,511,367.5	0.00				Average
		point78	78	6,253,473.5	2,509,976.8	0.00				
Outer Hwy-2	30.0	point109	109	6,252,693.0	2,517,142.2	0.00				Average
		point97	97	6,251,964.5	2,516,170.8	0.00				Average
		point98	98	6,251,455.0	2,515,526.0	0.00				Average
		point99	99	6,251,138.5	2,515,111.2	0.00				Average
		point100	100	6,250,857.0	2,514,782.2	0.00				Average
		point101	101	6,250,346.0	2,514,100.5	0.00				Average

**INPUT: ROADWAYS**

**Apple Valley**

		point102	102	6,249,952.5	2,513,518.2	0.00				Average	
		point103	103	6,249,751.0	2,513,115.2	0.00				Average	
		point104	104	6,249,539.5	2,512,627.2	0.00				Average	
		point105	105	6,249,334.5	2,512,139.5	0.00				Average	
		point106	106	6,249,283.5	2,511,857.5	0.00				Average	
		point107	107	6,249,198.5	2,511,453.8	0.00					



INPUT: TRAFFIC FOR LAeq1h Volumes

Apple Valley

Dudek													
CB													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	Apple Valley												
RUN:	Existing + Project												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Stoddard Wells Road	point1	1	0	0	0	0	0	0	0	0	0	0	0
	point2	2	0	0	0	0	0	0	0	0	0	0	0
	point3	3	0	0	0	0	0	0	0	0	0	0	0
	point4	4	0	0	0	0	0	0	0	0	0	0	0
	point5	5	0	0	0	0	0	0	0	0	0	0	0
	point6	6	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8	0	0	0	0	0	0	0	0	0	0	0
	point9	9	0	0	0	0	0	0	0	0	0	0	0
	point10	10	0	0	0	0	0	0	0	0	0	0	0
	point11	11	0	0	0	0	0	0	0	0	0	0	0
	point12	12	0	0	0	0	0	0	0	0	0	0	0
	point13	13	0	0	0	0	0	0	0	0	0	0	0
	point14	14	0	0	0	0	0	0	0	0	0	0	0
	point15	15	0	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0	0
	point19	19	0	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0	0
	point21	21											
i15 south	point22	22	2328	65	48	65	24	65	0	0	0	0	0
	point23	23	2328	65	48	65	24	65	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point24	24	2328	65	48	65	24	65	0	0	0	0
	point25	25	2328	65	48	65	24	65	0	0	0	0
	point26	26	2328	65	48	65	24	65	0	0	0	0
	point27	27	2328	65	48	65	24	65	0	0	0	0
	point28	28	2328	65	48	65	24	65	0	0	0	0
	point29	29	2328	65	48	65	24	65	0	0	0	0
	point30	30	2328	65	48	65	24	65	0	0	0	0
	point31	31	2328	65	48	65	24	65	0	0	0	0
	point32	32	2328	65	48	65	24	65	0	0	0	0
	point33	33	2328	65	48	65	24	65	0	0	0	0
	point34	34	2328	65	48	65	24	65	0	0	0	0
	point35	35	2328	65	48	65	24	65	0	0	0	0
	point36	36	2328	65	48	65	24	65	0	0	0	0
	point37	37	2328	65	48	65	24	65	0	0	0	0
	point38	38										
i15 north	point39	39	2328	65	48	65	24	65	0	0	0	0
	point40	40	2328	65	48	65	24	65	0	0	0	0
	point41	41	2328	65	48	65	24	65	0	0	0	0
	point42	42	2328	65	48	65	24	65	0	0	0	0
	point43	43	2328	65	48	65	24	65	0	0	0	0
	point44	44	2328	65	48	65	24	65	0	0	0	0
	point45	45	2328	65	48	65	24	65	0	0	0	0
	point46	46	2328	65	48	65	24	65	0	0	0	0
	point47	47	2328	65	48	65	24	65	0	0	0	0
	point48	48	2328	65	48	65	24	65	0	0	0	0
	point49	49	2328	65	48	65	24	65	0	0	0	0
	point50	50	2328	65	48	65	24	65	0	0	0	0
	point51	51	2328	65	48	65	24	65	0	0	0	0
	point52	52	2328	65	48	65	24	65	0	0	0	0
	point53	53	2328	65	48	65	24	65	0	0	0	0
	point54	54	2328	65	48	65	24	65	0	0	0	0
	point55	55	2328	65	48	65	24	65	0	0	0	0
	point56	56	2328	65	48	65	24	65	0	0	0	0
	point57	57	2328	65	48	65	24	65	0	0	0	0
	point58	58	2328	65	48	65	24	65	0	0	0	0
	point59	59	2328	65	48	65	24	65	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point60	60	2328	65	48	65	24	65	0	0	0	0
	point61	61	2328	65	48	65	24	65	0	0	0	0
	point62	62	2328	65	48	65	24	65	0	0	0	0
	point63	63	2328	65	48	65	24	65	0	0	0	0
	point64	64	2328	65	48	65	24	65	0	0	0	0
	point65	65	2328	65	48	65	24	65	0	0	0	0
	point66	66	2328	65	48	65	24	65	0	0	0	0
	point67	67	2328	65	48	65	24	65	0	0	0	0
	point68	68	2328	65	48	65	24	65	0	0	0	0
	point69	69										
Falchion	point70	70	565	35	0	0	0	0	0	0	0	0
	point71	71										
Outer Hwy	point79	79	323	50	0	0	0	0	0	0	0	0
	point80	80	323	50	0	0	0	0	0	0	0	0
	point81	81	323	50	0	0	0	0	0	0	0	0
	point82	82	323	50	0	0	0	0	0	0	0	0
	point83	83	323	50	0	0	0	0	0	0	0	0
	point84	84	323	50	0	0	0	0	0	0	0	0
	point85	85	323	50	0	0	0	0	0	0	0	0
	point86	86	323	50	0	0	0	0	0	0	0	0
	point87	87	323	50	0	0	0	0	0	0	0	0
	point88	88	323	50	0	0	0	0	0	0	0	0
	point89	89	323	50	0	0	0	0	0	0	0	0
	point90	90	323	50	0	0	0	0	0	0	0	0
	point91	91	323	50	0	0	0	0	0	0	0	0
	point92	92	323	50	0	0	0	0	0	0	0	0
	point93	93	323	50	0	0	0	0	0	0	0	0
	point94	94	323	50	0	0	0	0	0	0	0	0
	point95	95	323	50	0	0	0	0	0	0	0	0
	point96	96										
Apple Valley Road-2	point108	108	0	0	0	0	0	0	0	0	0	0
	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74	0	0	0	0	0	0	0	0	0	0
	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76	0	0	0	0	0	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Outer Hwy-2	point109	109	666	50	0	0	0	0	0	0	0	0
	point97	97	666	50	0	0	0	0	0	0	0	0
	point98	98	666	50	0	0	0	0	0	0	0	0
	point99	99	666	50	0	0	0	0	0	0	0	0
	point100	100	666	50	0	0	0	0	0	0	0	0
	point101	101	666	50	0	0	0	0	0	0	0	0
	point102	102	666	50	0	0	0	0	0	0	0	0
	point103	103	666	50	0	0	0	0	0	0	0	0
	point104	104	666	50	0	0	0	0	0	0	0	0
	point105	105	666	50	0	0	0	0	0	0	0	0
	point106	106	666	50	0	0	0	0	0	0	0	0
	point107	107										







**INPUT: ROADWAYS**

**Apple Valley**

		point26	26	6,255,420.0	2,520,962.0	0.00				Average	
		point27	27	6,254,814.5	2,520,200.5	0.00				Average	
		point28	28	6,254,293.5	2,519,509.0	0.00				Average	
		point29	29	6,253,832.0	2,518,862.0	0.00				Average	
		point30	30	6,253,220.5	2,518,073.0	0.00				Average	
		point31	31	6,252,722.0	2,517,410.0	0.00				Average	
		point32	32	6,252,051.0	2,516,526.0	0.00				Average	
		point33	33	6,251,513.5	2,515,828.0	0.00				Average	
		point34	34	6,251,021.5	2,515,189.0	0.00				Average	
		point35	35	6,250,744.0	2,514,825.5	0.00				Average	
		point36	36	6,250,304.5	2,514,249.0	0.00				Average	
		point37	37	6,249,990.0	2,513,810.8	0.00				Average	
		point38	38	6,249,634.5	2,513,182.0	0.00					
i15 north	80.0	point39	39	6,249,706.5	2,513,142.8	0.00				Average	
		point40	40	6,249,836.0	2,513,407.8	0.00				Average	
		point41	41	6,249,932.0	2,513,590.2	0.00				Average	
		point42	42	6,250,038.5	2,513,781.8	0.00				Average	
		point43	43	6,250,229.0	2,514,033.5	0.00				Average	
		point44	44	6,250,491.5	2,514,376.0	0.00				Average	
		point45	45	6,250,767.0	2,514,763.2	0.00				Average	
		point46	46	6,251,098.5	2,515,177.0	0.00				Average	
		point47	47	6,251,387.5	2,515,559.2	0.00				Average	
		point48	48	6,251,762.0	2,516,064.0	0.00				Average	
		point49	49	6,252,112.0	2,516,496.2	0.00				Average	
		point50	50	6,252,558.5	2,517,075.5	0.00				Average	
		point51	51	6,252,840.0	2,517,439.5	0.00				Average	
		point52	52	6,253,309.0	2,518,059.2	0.00				Average	
		point53	53	6,253,573.0	2,518,404.8	0.00				Average	
		point54	54	6,253,789.0	2,518,698.5	0.00				Average	
		point55	55	6,254,101.0	2,519,101.8	0.00				Average	
		point56	56	6,254,422.0	2,519,511.8	0.00				Average	
		point57	57	6,254,695.5	2,519,855.2	0.00				Average	
		point58	58	6,254,934.0	2,520,165.8	0.00				Average	
		point59	59	6,255,094.5	2,520,379.5	0.00				Average	
		point60	60	6,255,342.0	2,520,712.2	0.00				Average	
		point61	61	6,255,567.5	2,521,001.2	0.00				Average	
		point62	62	6,255,841.5	2,521,334.2	0.00				Average	
		point63	63	6,256,175.5	2,521,808.5	0.00				Average	
		point64	64	6,256,382.0	2,522,065.2	0.00				Average	



**INPUT: ROADWAYS**

**Apple Valley**

		point65	65	6,256,553.0	2,522,306.8	0.00				Average
		point66	66	6,256,809.0	2,522,634.5	0.00				Average
		point67	67	6,257,053.0	2,522,942.2	0.00				Average
		point68	68	6,257,359.5	2,523,411.2	0.00				Average
		point69	69	6,257,714.0	2,523,922.0	0.00				
Falchion	40.0	point70	70	6,252,801.5	2,517,142.8	0.00				Average
		point71	71	6,254,965.5	2,517,145.8	0.00				
Outer Hwy	30.0	point79	79	6,258,300.0	2,524,073.5	0.00				Average
		point80	80	6,258,284.5	2,523,773.5	0.00				Average
		point81	81	6,258,259.0	2,523,681.2	0.00				Average
		point82	82	6,258,167.0	2,523,581.8	0.00				Average
		point83	83	6,258,014.0	2,523,521.2	0.00				Average
		point84	84	6,257,770.5	2,523,494.5	0.00				Average
		point85	85	6,257,572.5	2,523,435.8	0.00				Average
		point86	86	6,257,426.5	2,523,324.8	0.00				Average
		point87	87	6,256,569.0	2,522,203.2	0.00				Average
		point88	88	6,255,697.5	2,521,074.0	0.00				Average
		point89	89	6,255,033.5	2,520,195.2	0.00				Average
		point90	90	6,254,892.0	2,519,836.5	0.00				Average
		point91	91	6,254,741.5	2,519,450.2	0.00				Average
		point92	92	6,254,599.5	2,519,263.8	0.00				Average
		point93	93	6,254,372.0	2,519,094.8	0.00				Average
		point94	94	6,253,963.5	2,518,794.2	0.00				Average
		point95	95	6,253,403.5	2,518,075.5	0.00				Average
		point96	96	6,252,693.0	2,517,142.2	0.00				
Apple Valley Road-2	40.0	point108	108	6,254,965.5	2,517,145.8	0.00				Average
		point72	72	6,254,915.5	2,514,881.0	0.00				Average
		point73	73	6,254,910.5	2,513,743.0	0.00				Average
		point74	74	6,254,763.5	2,513,046.5	0.00				Average
		point75	75	6,254,119.0	2,512,661.8	0.00				Average
		point76	76	6,253,634.0	2,512,264.2	0.00				Average
		point77	77	6,253,594.5	2,511,367.5	0.00				Average
		point78	78	6,253,473.5	2,509,976.8	0.00				
Outer Hwy-2	30.0	point109	109	6,252,693.0	2,517,142.2	0.00				Average
		point97	97	6,251,964.5	2,516,170.8	0.00				Average
		point98	98	6,251,455.0	2,515,526.0	0.00				Average
		point99	99	6,251,138.5	2,515,111.2	0.00				Average
		point100	100	6,250,857.0	2,514,782.2	0.00				Average
		point101	101	6,250,346.0	2,514,100.5	0.00				Average

**INPUT: ROADWAYS****Apple Valley**

		point102	102	6,249,952.5	2,513,518.2	0.00				Average	
		point103	103	6,249,751.0	2,513,115.2	0.00				Average	
		point104	104	6,249,539.5	2,512,627.2	0.00				Average	
		point105	105	6,249,334.5	2,512,139.5	0.00				Average	
		point106	106	6,249,283.5	2,511,857.5	0.00				Average	
		point107	107	6,249,198.5	2,511,453.8	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes

Apple Valley

Dudek													
CB													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	Apple Valley												
RUN:	Future												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Stoddard Wells Road	point1	1	0	0	0	0	0	0	0	0	0	0	0
	point2	2	0	0	0	0	0	0	0	0	0	0	0
	point3	3	0	0	0	0	0	0	0	0	0	0	0
	point4	4	0	0	0	0	0	0	0	0	0	0	0
	point5	5	0	0	0	0	0	0	0	0	0	0	0
	point6	6	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8	0	0	0	0	0	0	0	0	0	0	0
	point9	9	0	0	0	0	0	0	0	0	0	0	0
	point10	10	0	0	0	0	0	0	0	0	0	0	0
	point11	11	0	0	0	0	0	0	0	0	0	0	0
	point12	12	0	0	0	0	0	0	0	0	0	0	0
	point13	13	0	0	0	0	0	0	0	0	0	0	0
	point14	14	0	0	0	0	0	0	0	0	0	0	0
	point15	15	0	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0	0
	point19	19	0	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0	0
	point21	21											
i15 south	point22	22	2328	65	48	65	24	65	0	0	0	0	0
	point23	23	2328	65	48	65	24	65	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point24	24	2328	65	48	65	24	65	0	0	0	0
	point25	25	2328	65	48	65	24	65	0	0	0	0
	point26	26	2328	65	48	65	24	65	0	0	0	0
	point27	27	2328	65	48	65	24	65	0	0	0	0
	point28	28	2328	65	48	65	24	65	0	0	0	0
	point29	29	2328	65	48	65	24	65	0	0	0	0
	point30	30	2328	65	48	65	24	65	0	0	0	0
	point31	31	2328	65	48	65	24	65	0	0	0	0
	point32	32	2328	65	48	65	24	65	0	0	0	0
	point33	33	2328	65	48	65	24	65	0	0	0	0
	point34	34	2328	65	48	65	24	65	0	0	0	0
	point35	35	2328	65	48	65	24	65	0	0	0	0
	point36	36	2328	65	48	65	24	65	0	0	0	0
	point37	37	2328	65	48	65	24	65	0	0	0	0
	point38	38										
i15 north	point39	39	2328	65	48	65	24	65	0	0	0	0
	point40	40	2328	65	48	65	24	65	0	0	0	0
	point41	41	2328	65	48	65	24	65	0	0	0	0
	point42	42	2328	65	48	65	24	65	0	0	0	0
	point43	43	2328	65	48	65	24	65	0	0	0	0
	point44	44	2328	65	48	65	24	65	0	0	0	0
	point45	45	2328	65	48	65	24	65	0	0	0	0
	point46	46	2328	65	48	65	24	65	0	0	0	0
	point47	47	2328	65	48	65	24	65	0	0	0	0
	point48	48	2328	65	48	65	24	65	0	0	0	0
	point49	49	2328	65	48	65	24	65	0	0	0	0
	point50	50	2328	65	48	65	24	65	0	0	0	0
	point51	51	2328	65	48	65	24	65	0	0	0	0
	point52	52	2328	65	48	65	24	65	0	0	0	0
	point53	53	2328	65	48	65	24	65	0	0	0	0
	point54	54	2328	65	48	65	24	65	0	0	0	0
	point55	55	2328	65	48	65	24	65	0	0	0	0
	point56	56	2328	65	48	65	24	65	0	0	0	0
	point57	57	2328	65	48	65	24	65	0	0	0	0
	point58	58	2328	65	48	65	24	65	0	0	0	0
	point59	59	2328	65	48	65	24	65	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point60	60	2328	65	48	65	24	65	0	0	0	0
	point61	61	2328	65	48	65	24	65	0	0	0	0
	point62	62	2328	65	48	65	24	65	0	0	0	0
	point63	63	2328	65	48	65	24	65	0	0	0	0
	point64	64	2328	65	48	65	24	65	0	0	0	0
	point65	65	2328	65	48	65	24	65	0	0	0	0
	point66	66	2328	65	48	65	24	65	0	0	0	0
	point67	67	2328	65	48	65	24	65	0	0	0	0
	point68	68	2328	65	48	65	24	65	0	0	0	0
	point69	69										
Falchion	point70	70	223	35	0	0	0	0	0	0	0	0
	point71	71										
Outer Hwy	point79	79	132	50	0	0	0	0	0	0	0	0
	point80	80	132	50	0	0	0	0	0	0	0	0
	point81	81	132	50	0	0	0	0	0	0	0	0
	point82	82	132	50	0	0	0	0	0	0	0	0
	point83	83	132	50	0	0	0	0	0	0	0	0
	point84	84	132	50	0	0	0	0	0	0	0	0
	point85	85	132	50	0	0	0	0	0	0	0	0
	point86	86	132	50	0	0	0	0	0	0	0	0
	point87	87	132	50	0	0	0	0	0	0	0	0
	point88	88	132	50	0	0	0	0	0	0	0	0
	point89	89	132	50	0	0	0	0	0	0	0	0
	point90	90	132	50	0	0	0	0	0	0	0	0
	point91	91	132	50	0	0	0	0	0	0	0	0
	point92	92	132	50	0	0	0	0	0	0	0	0
	point93	93	132	50	0	0	0	0	0	0	0	0
	point94	94	132	50	0	0	0	0	0	0	0	0
	point95	95	132	50	0	0	0	0	0	0	0	0
	point96	96										
Apple Valley Road-2	point108	108	0	0	0	0	0	0	0	0	0	0
	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74	0	0	0	0	0	0	0	0	0	0
	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76	0	0	0	0	0	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Outer Hwy-2	point109	109	239	50	0	0	0	0	0	0	0	0
	point97	97	239	50	0	0	0	0	0	0	0	0
	point98	98	239	50	0	0	0	0	0	0	0	0
	point99	0	239	50	0	0	0	0	0	0	0	0
	point100	100	239	50	0	0	0	0	0	0	0	0
	point101	101	239	50	0	0	0	0	0	0	0	0
	point102	102	239	50	0	0	0	0	0	0	0	0
	point103	103	239	50	0	0	0	0	0	0	0	0
	point104	104	239	50	0	0	0	0	0	0	0	0
	point105	105	239	50	0	0	0	0	0	0	0	0
	point106	106	239	50	0	0	0	0	0	0	0	0
	point107	107										



**RESULTS: SOUND LEVELS**

Apple Valley

Dudek													30 October 2023	
CB													TNM 2.5	
													Calculated with TNM 2.5	
<b>RESULTS: SOUND LEVELS</b>														
<b>PROJECT/CONTRACT:</b>			Apple Valley											
<b>RUN:</b>			Future											
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH											
<b>Receiver</b>														
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>					
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>	
								<b>Sub'l Inc</b>			<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
ST1		1	1	55.4	55.8	66	0.4	10	----	55.8	0.0	8	-8.0	
ST2		2	1	42.3	37.4	66	-4.9	10	----	37.4	0.0	8	-8.0	
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>										
				<b>Min</b>	<b>Avg</b>	<b>Max</b>								
				<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected			2	0.0	0.0	0.0								
All Impacted			0	0.0	0.0	0.0								
All that meet NR Goal			0	0.0	0.0	0.0								





**INPUT: ROADWAYS**

**Apple Valley**

		point26	26	6,255,420.0	2,520,962.0	0.00				Average	
		point27	27	6,254,814.5	2,520,200.5	0.00				Average	
		point28	28	6,254,293.5	2,519,509.0	0.00				Average	
		point29	29	6,253,832.0	2,518,862.0	0.00				Average	
		point30	30	6,253,220.5	2,518,073.0	0.00				Average	
		point31	31	6,252,722.0	2,517,410.0	0.00				Average	
		point32	32	6,252,051.0	2,516,526.0	0.00				Average	
		point33	33	6,251,513.5	2,515,828.0	0.00				Average	
		point34	34	6,251,021.5	2,515,189.0	0.00				Average	
		point35	35	6,250,744.0	2,514,825.5	0.00				Average	
		point36	36	6,250,304.5	2,514,249.0	0.00				Average	
		point37	37	6,249,990.0	2,513,810.8	0.00				Average	
		point38	38	6,249,634.5	2,513,182.0	0.00					
i15 north	80.0	point39	39	6,249,706.5	2,513,142.8	0.00				Average	
		point40	40	6,249,836.0	2,513,407.8	0.00				Average	
		point41	41	6,249,932.0	2,513,590.2	0.00				Average	
		point42	42	6,250,038.5	2,513,781.8	0.00				Average	
		point43	43	6,250,229.0	2,514,033.5	0.00				Average	
		point44	44	6,250,491.5	2,514,376.0	0.00				Average	
		point45	45	6,250,767.0	2,514,763.2	0.00				Average	
		point46	46	6,251,098.5	2,515,177.0	0.00				Average	
		point47	47	6,251,387.5	2,515,559.2	0.00				Average	
		point48	48	6,251,762.0	2,516,064.0	0.00				Average	
		point49	49	6,252,112.0	2,516,496.2	0.00				Average	
		point50	50	6,252,558.5	2,517,075.5	0.00				Average	
		point51	51	6,252,840.0	2,517,439.5	0.00				Average	
		point52	52	6,253,309.0	2,518,059.2	0.00				Average	
		point53	53	6,253,573.0	2,518,404.8	0.00				Average	
		point54	54	6,253,789.0	2,518,698.5	0.00				Average	
		point55	55	6,254,101.0	2,519,101.8	0.00				Average	
		point56	56	6,254,422.0	2,519,511.8	0.00				Average	
		point57	57	6,254,695.5	2,519,855.2	0.00				Average	
		point58	58	6,254,934.0	2,520,165.8	0.00				Average	
		point59	59	6,255,094.5	2,520,379.5	0.00				Average	
		point60	60	6,255,342.0	2,520,712.2	0.00				Average	
		point61	61	6,255,567.5	2,521,001.2	0.00				Average	
		point62	62	6,255,841.5	2,521,334.2	0.00				Average	
		point63	63	6,256,175.5	2,521,808.5	0.00				Average	
		point64	64	6,256,382.0	2,522,065.2	0.00				Average	

**INPUT: ROADWAYS**

**Apple Valley**

		point65	65	6,256,553.0	2,522,306.8	0.00				Average
		point66	66	6,256,809.0	2,522,634.5	0.00				Average
		point67	67	6,257,053.0	2,522,942.2	0.00				Average
		point68	68	6,257,359.5	2,523,411.2	0.00				Average
		point69	69	6,257,714.0	2,523,922.0	0.00				
Falchion	40.0	point70	70	6,252,801.5	2,517,142.8	0.00				Average
		point71	71	6,254,965.5	2,517,145.8	0.00				
Outer Hwy	30.0	point79	79	6,258,300.0	2,524,073.5	0.00				Average
		point80	80	6,258,284.5	2,523,773.5	0.00				Average
		point81	81	6,258,259.0	2,523,681.2	0.00				Average
		point82	82	6,258,167.0	2,523,581.8	0.00				Average
		point83	83	6,258,014.0	2,523,521.2	0.00				Average
		point84	84	6,257,770.5	2,523,494.5	0.00				Average
		point85	85	6,257,572.5	2,523,435.8	0.00				Average
		point86	86	6,257,426.5	2,523,324.8	0.00				Average
		point87	87	6,256,569.0	2,522,203.2	0.00				Average
		point88	88	6,255,697.5	2,521,074.0	0.00				Average
		point89	89	6,255,033.5	2,520,195.2	0.00				Average
		point90	90	6,254,892.0	2,519,836.5	0.00				Average
		point91	91	6,254,741.5	2,519,450.2	0.00				Average
		point92	92	6,254,599.5	2,519,263.8	0.00				Average
		point93	93	6,254,372.0	2,519,094.8	0.00				Average
		point94	94	6,253,963.5	2,518,794.2	0.00				Average
		point95	95	6,253,403.5	2,518,075.5	0.00				Average
		point96	96	6,252,693.0	2,517,142.2	0.00				
Apple Valley Road-2	40.0	point108	108	6,254,965.5	2,517,145.8	0.00				Average
		point72	72	6,254,915.5	2,514,881.0	0.00				Average
		point73	73	6,254,910.5	2,513,743.0	0.00				Average
		point74	74	6,254,763.5	2,513,046.5	0.00				Average
		point75	75	6,254,119.0	2,512,661.8	0.00				Average
		point76	76	6,253,634.0	2,512,264.2	0.00				Average
		point77	77	6,253,594.5	2,511,367.5	0.00				Average
		point78	78	6,253,473.5	2,509,976.8	0.00				
Outer Hwy-2	30.0	point109	109	6,252,693.0	2,517,142.2	0.00				Average
		point97	97	6,251,964.5	2,516,170.8	0.00				Average
		point98	98	6,251,455.0	2,515,526.0	0.00				Average
		point99	99	6,251,138.5	2,515,111.2	0.00				Average
		point100	100	6,250,857.0	2,514,782.2	0.00				Average
		point101	101	6,250,346.0	2,514,100.5	0.00				Average

**INPUT: ROADWAYS**

**Apple Valley**

		point102	102	6,249,952.5	2,513,518.2	0.00				Average	
		point103	103	6,249,751.0	2,513,115.2	0.00				Average	
		point104	104	6,249,539.5	2,512,627.2	0.00				Average	
		point105	105	6,249,334.5	2,512,139.5	0.00				Average	
		point106	106	6,249,283.5	2,511,857.5	0.00				Average	
		point107	107	6,249,198.5	2,511,453.8	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes

Apple Valley

Dudek													
CB													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	Apple Valley												
RUN:	Future + Project												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Stoddard Wells Road	point1	1	0	0	0	0	0	0	0	0	0	0	0
	point2	2	0	0	0	0	0	0	0	0	0	0	0
	point3	3	0	0	0	0	0	0	0	0	0	0	0
	point4	4	0	0	0	0	0	0	0	0	0	0	0
	point5	5	0	0	0	0	0	0	0	0	0	0	0
	point6	6	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8	0	0	0	0	0	0	0	0	0	0	0
	point9	9	0	0	0	0	0	0	0	0	0	0	0
	point10	10	0	0	0	0	0	0	0	0	0	0	0
	point11	11	0	0	0	0	0	0	0	0	0	0	0
	point12	12	0	0	0	0	0	0	0	0	0	0	0
	point13	13	0	0	0	0	0	0	0	0	0	0	0
	point14	14	0	0	0	0	0	0	0	0	0	0	0
	point15	15	0	0	0	0	0	0	0	0	0	0	0
	point16	16	0	0	0	0	0	0	0	0	0	0	0
	point17	17	0	0	0	0	0	0	0	0	0	0	0
	point18	18	0	0	0	0	0	0	0	0	0	0	0
	point19	19	0	0	0	0	0	0	0	0	0	0	0
	point20	20	0	0	0	0	0	0	0	0	0	0	0
	point21	21											
i15 south	point22	22	2328	65	48	65	24	65	0	0	0	0	0
	point23	23	2328	65	48	65	24	65	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point24	24	2328	65	48	65	24	65	0	0	0	0
	point25	25	2328	65	48	65	24	65	0	0	0	0
	point26	26	2328	65	48	65	24	65	0	0	0	0
	point27	27	2328	65	48	65	24	65	0	0	0	0
	point28	28	2328	65	48	65	24	65	0	0	0	0
	point29	29	2328	65	48	65	24	65	0	0	0	0
	point30	30	2328	65	48	65	24	65	0	0	0	0
	point31	31	2328	65	48	65	24	65	0	0	0	0
	point32	32	2328	65	48	65	24	65	0	0	0	0
	point33	33	2328	65	48	65	24	65	0	0	0	0
	point34	34	2328	65	48	65	24	65	0	0	0	0
	point35	35	2328	65	48	65	24	65	0	0	0	0
	point36	36	2328	65	48	65	24	65	0	0	0	0
	point37	37	2328	65	48	65	24	65	0	0	0	0
	point38	38										
i15 north	point39	39	2328	65	48	65	24	65	0	0	0	0
	point40	40	2328	65	48	65	24	65	0	0	0	0
	point41	41	2328	65	48	65	24	65	0	0	0	0
	point42	42	2328	65	48	65	24	65	0	0	0	0
	point43	43	2328	65	48	65	24	65	0	0	0	0
	point44	44	2328	65	48	65	24	65	0	0	0	0
	point45	45	2328	65	48	65	24	65	0	0	0	0
	point46	46	2328	65	48	65	24	65	0	0	0	0
	point47	47	2328	65	48	65	24	65	0	0	0	0
	point48	48	2328	65	48	65	24	65	0	0	0	0
	point49	49	2328	65	48	65	24	65	0	0	0	0
	point50	50	2328	65	48	65	24	65	0	0	0	0
	point51	51	2328	65	48	65	24	65	0	0	0	0
	point52	52	2328	65	48	65	24	65	0	0	0	0
	point53	53	2328	65	48	65	24	65	0	0	0	0
	point54	54	2328	65	48	65	24	65	0	0	0	0
	point55	55	2328	65	48	65	24	65	0	0	0	0
	point56	56	2328	65	48	65	24	65	0	0	0	0
	point57	57	2328	65	48	65	24	65	0	0	0	0
	point58	58	2328	65	48	65	24	65	0	0	0	0
	point59	59	2328	65	48	65	24	65	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point60	60	2328	65	48	65	24	65	0	0	0	0
	point61	61	2328	65	48	65	24	65	0	0	0	0
	point62	62	2328	65	48	65	24	65	0	0	0	0
	point63	63	2328	65	48	65	24	65	0	0	0	0
	point64	64	2328	65	48	65	24	65	0	0	0	0
	point65	65	2328	65	48	65	24	65	0	0	0	0
	point66	66	2328	65	48	65	24	65	0	0	0	0
	point67	67	2328	65	48	65	24	65	0	0	0	0
	point68	68	2328	65	48	65	24	65	0	0	0	0
	point69	69										
Falchion	point70	70	747	35	0	0	0	0	0	0	0	0
	point71	71										
Outer Hwy	point79	79	383	50	0	0	0	0	0	0	0	0
	point80	80	383	50	0	0	0	0	0	0	0	0
	point81	81	383	50	0	0	0	0	0	0	0	0
	point82	82	383	50	0	0	0	0	0	0	0	0
	point83	83	383	50	0	0	0	0	0	0	0	0
	point84	84	383	50	0	0	0	0	0	0	0	0
	point85	85	383	50	0	0	0	0	0	0	0	0
	point86	86	383	50	0	0	0	0	0	0	0	0
	point87	87	383	50	0	0	0	0	0	0	0	0
	point88	88	383	50	0	0	0	0	0	0	0	0
	point89	89	383	50	0	0	0	0	0	0	0	0
	point90	90	383	50	0	0	0	0	0	0	0	0
	point91	91	383	50	0	0	0	0	0	0	0	0
	point92	92	383	50	0	0	0	0	0	0	0	0
	point93	93	383	50	0	0	0	0	0	0	0	0
	point94	94	383	50	0	0	0	0	0	0	0	0
	point95	95	383	50	0	0	0	0	0	0	0	0
	point96	96										
Apple Valley Road-2	point108	108	0	0	0	0	0	0	0	0	0	0
	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74	0	0	0	0	0	0	0	0	0	0
	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76	0	0	0	0	0	0	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**Apple Valley**

	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Outer Hwy-2	point109	109	814	50	0	0	0	0	0	0	0	0
	point97	97	814	50	0	0	0	0	0	0	0	0
	point98	98	814	50	0	0	0	0	0	0	0	0
	point99	99	814	50	0	0	0	0	0	0	0	0
	point100	100	814	50	0	0	0	0	0	0	0	0
	point101	101	814	50	0	0	0	0	0	0	0	0
	point102	102	814	50	0	0	0	0	0	0	0	0
	point103	103	814	50	0	0	0	0	0	0	0	0
	point104	104	814	50	0	0	0	0	0	0	0	0
	point105	105	814	50	0	0	0	0	0	0	0	0
	point106	106	814	50	0	0	0	0	0	0	0	0
	point107	107										



**INPUT: RECEIVERS**

**Apple Valley**

Dudek							30 October 2023				
CB							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		Apple Valley									
<b>RUN:</b>		Future + Project									
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria		
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	6,249,589.5	2,514,645.8	0.00	4.92	55.40	66	10.0	8.0	Y
ST2	2	1	6,253,770.5	2,510,079.5	0.00	4.92	42.30	66	10.0	8.0	Y

**RESULTS: SOUND LEVELS**

Apple Valley

Dudek													30 October 2023		
CB													TNM 2.5		
													Calculated with TNM 2.5		
<b>RESULTS: SOUND LEVELS</b>															
<b>PROJECT/CONTRACT:</b>			Apple Valley												
<b>RUN:</b>			Future + Project												
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS												
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH												
Receiver															
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier							
			LAeq1h	LAeq1h				Calculated	Crit'n	Impact	Calculated	Noise Reduction	Goal	Calculated	
				Calculated		Calculated								minus	
			dB	dB	dB	dB			dB	dB	dB	dB	dB	Goal	
ST1	1	1	55.4	56.3	66	0.9	10	----	56.3	0.0	8	-8.0			
ST2	2	1	42.3	37.7	66	-4.6	10	----	37.7	0.0	8	-8.0			
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>												
			<b>Min</b>	<b>Avg</b>	<b>Max</b>										
			<b>dB</b>	<b>dB</b>	<b>dB</b>										
All Selected		2	0.0	0.0	0.0										
All Impacted		0	0.0	0.0	0.0										
All that meet NR Goal		0	0.0	0.0	0.0										