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***Appendix E***

***Noise Monitoring Data***

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**TRAFFIC NOISE LEVELS**

**Project Number:**  
**Project Name:** 65th Street EIR

**Background Information**

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Analysis Scenario(s): Future Cumulative  
 Source of Traffic Volumes: Project Traffic Report  
 Community Noise Descriptor:  $L_{dn}$ :      x      CNEL:     

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Traffic Noise Levels**

Analysis Condition	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor <sup>1</sup>	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hour $L_{eq}$ dB(A)	24-Hour $L_{dn}$ dB(A)
<b>Existing Calibration</b>													
Redding Avenue, south of proposed Broadway extension (at measurement location)	Residential	2	0	192	1,920	45	20	0	0	1.8%	0.7%	65.3	64.1
Adjacent to future Broadway extension	Residential	2	0	0	0	15	50	0	0	1.8%	0.7%	0.0	0.0
65th Street north of Broadway	Residential	4	12	2,076	20,760	40	40	0	0	1.8%	0.7%	72.1	70.9
Elvas Avenue at 63rd Street	Residential	2	12	1,266	12,660	35	43	0	0	1.8%	0.7%	67.4	66.2
Folsom Boulevard at 63rd Street	Residential	4	0	1,410	14,100	40	60	0	0	1.8%	0.7%	67.8	66.7
<b>Existing Conditions</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	489	4,890	45	70	0	0	1.8%	0.7%	63.7	62.5
Adjacent to future Broadway extension	Residential	2	0	24	240	15	50	0	0	1.8%	0.7%	42.1	41.1
65th Street north of Broadway	Residential	4	12	2,926	29,260	40	80	0	0	1.8%	0.7%	69.8	68.6
Elvas Avenue at 63rd Street	Residential	2	12	1,552	15,520	35	43	0	0	1.8%	0.7%	68.2	67.1
Folsom Boulevard at 63rd Street	Residential	4	0	1,919	19,190	40	60	0	0	1.8%	0.7%	69.2	68.0
<b>Existing plus Scenario A</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	440	4,400	45	70	0	0	1.8%	0.7%	63.2	62.1
Adjacent to future Broadway extension	Residential	2	0	50	500	15	50	0	0	1.8%	0.7%	45.3	44.2
65th Street north of Broadway	Residential	4	12	2840	28,400	40	80	0	0	1.8%	0.7%	69.6	68.5
Elvas Avenue at 63rd Street	Residential	2	12	1390	13,900	35	43	0	0	1.8%	0.7%	67.8	66.6
Folsom Boulevard at 63rd Street	Residential	4	0	1950	19,500	40	60	0	0	1.8%	0.7%	69.3	68.1
<b>Existing plus Scenario B</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	480	4,800	45	70	0	0	1.8%	0.7%	63.6	62.4
Adjacent to future Broadway extension	Residential	2	0	710	7,100	15	50	0	0	1.8%	0.7%	56.8	55.8
65th Street north of Broadway	Residential	4	12	3,360	33,600	40	80	0	0	1.8%	0.7%	70.4	69.2
Elvas Avenue at 63rd Street	Residential	2	12	1,920	19,200	35	43	0	0	1.8%	0.7%	69.2	68.0
Folsom Boulevard at 63rd Street	Residential	4	0	2,220	22,200	40	60	0	0	1.8%	0.7%	69.8	68.7
<b>Existing plus Scenario C</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	430	4,300	45	70	0	0	1.8%	0.7%	63.1	62.0
Adjacent to future Broadway extension	Residential	2	0	930	9,300	15	50	0	0	1.8%	0.7%	58.0	56.9
65th Street north of Broadway	Residential	4	12	2,810	28,100	40	80	0	0	1.8%	0.7%	69.6	68.4
Elvas Avenue at 63rd Street	Residential	2	12	1,110	11,100	35	43	0	0	1.8%	0.7%	66.8	65.6
Folsom Boulevard at 63rd Street	Residential	4	0	2,000	20,000	40	60	0	0	1.8%	0.7%	69.4	68.2
<b>Cumulative plus Scenario A</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	510	5,100	45	70	0	0	1.8%	0.7%	63.9	62.7
Adjacent to future Broadway extension	Residential	2	0	70	700	15	50	0	0	1.8%	0.7%	46.8	45.7
65th Street north of Broadway	Residential	4	12	3070	30,700	40	80	0	0	1.8%	0.7%	70.0	68.8
Elvas Avenue at 63rd Street	Residential	2	12	1890	18,900	35	43	0	0	1.8%	0.7%	69.1	67.9
Folsom Boulevard at 63rd Street	Residential	4	0	3130	31,300	40	60	0	0	1.8%	0.7%	71.3	70.1
<b>Cumulative plus Scenario B</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	640	6,400	45	70	0	0	1.8%	0.7%	64.9	63.7
Adjacent to future Broadway extension	Residential	2	0	910	9,100	15	50	0	0	1.8%	0.7%	57.9	56.8
65th Street north of Broadway	Residential	4	12	3,060	30,600	40	80	0	0	1.8%	0.7%	70.0	68.8
Elvas Avenue at 63rd Street	Residential	2	12	1,400	14,000	35	43	0	0	1.8%	0.7%	67.8	66.6
Folsom Boulevard at 63rd Street	Residential	4	0	3,720	37,200	40	60	0	0	1.8%	0.7%	72.1	70.9
<b>Cumulative plus Scenario C</b>													
Redding Avenue, south of proposed Broadway extension	Residential	2	0	710	7,100	45	70	0	0	1.8%	0.7%	65.3	64.1
Adjacent to future Broadway extension	Residential	2	0	1,310	13,100	15	50	0	0	1.8%	0.7%	59.5	58.4
65th Street north of Broadway	Residential	4	12	3,090	30,900	40	80	0	0	1.8%	0.7%	70.0	68.8
Elvas Avenue at 63rd Street	Residential	2	12	1,260	12,600	35	43	0	0	1.8%	0.7%	67.3	66.2
Folsom Boulevard at 63rd Street	Residential	4	0	2,920	29,200	40	60	0	0	1.8%	0.7%	71.0	69.8

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.