# **Appendix H3**

Traffic Noise Model Input and Output

#### Appendix C

Traffic Noise Modeling Calculations - Summary

Traine i	loise modelling Galculation						
Project:	12335GSNR Forest Re	siliency (Lassen Facility)					
						Δ Existing –	
		ment Description and Location			Existing +	Existing +	
Number	Name	From	То	Existing	Project	Project	
Summ	ary of Net Changes						
1	SR-299 East of Project Site	SR-299	Bieber Lookout Rd/Susanville Rd	59.9	62.7	2.8	
2	SR-299 West of Project Site	SR-89	SR-299	59.6	62.5	2.9	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

### Appendix C

**Traffic Noise Modeling Calculations - Summary** 

Project:	12335GSNR Fore	est Resiliency (Tuolumne Facility	)					
Number	Name	Segment Description and Location From		То	Existing	Existing + Project	Δ Existing – Existing + Project	
Summ	ary of Net Changes							
1	Road CR59	SR-120/SR-108	SR-132		62.3	63.1	0.9	
2	SR-120/SR-108	SR-120 /SR-108 West	Road CR59		73.3	73.5	0.2	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

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Hame	Noise Model Calculations	3																
Project:	12335GSNR Forest Resilie	ency (Lassen Facility)																
								Inpu	it							Output		
	Noise Level Descriptor																	
	Site Conditions					_												
	Traffic Input					Distanc												
	Traffic K-Factor	: 10				Directi												
		ent Description and Locat			Speed	Centerline, d (feet) <sub>4</sub>		<b>Traffic Distribution Characteristics</b>						CNEL, Distance to Contour, (feet) <sub>3</sub>				
Number	Name	From	То	ADT	(mph)	Near	Far	% Auto	% Med	% Hvy	% Day	% Eve	% Night	(dBA) <sub>5,6,7</sub>	70 dBA	65 dBA	60 dBA	55 dBA
	ting Conditions								/									
1	SR-299 East of Project Site	SR-299	Bieber Lookout Rd/Susanville		45	50	50	97.0%	2.0%	1.0%	80.0%		10.0%	59.9	11	23	49	106
2	SR-299 West of Project Site	SR-89	SR-299	1,717	45	50	50	97.0%	2.0%	1.0%	80.0%	10.0%	10.0%	59.6	10	22	47	102

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

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Project:	12335GSNR Forest Resilie																	
								Inpu	t							Output		
	Noise Level Descriptor																	
	Site Conditions					D'ala	• .											
	Traffic Input			Distance to Directional														
	Traffic K-Factor	: 10																
	Saama	ut Description and Leastion			Canad	Cente			Troffic D	أخرر والسخوا	an Chara	at a viatio	_	CNIEL	Dicto	anco to Co	ontour (	foot)
Niverahau		ent Description and Location	T	457	Speed		et) <sub>4</sub>				on Chara			CNEL,		ance to Co		
Number	Name	From	То	ADT	(mph)	Near	Far	% Auto	% ivied	% HVY	% Day	% EVE	% Night	(dBA) <sub>5,6,7</sub>	/U dBA	65 GBA	60 ава	55 GBA
	ing + Project Conditions	CD 200	B: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.460	4.5		<u> </u>	07.00/	2.00/	4.00/	00.00/	10.00/	10.00/	62.7	4.6	25	<u> </u>	162
1	SR-299 East of Project Site	SR-299	Bieber Lookout Rd/Susanville		45	50	50	97.0%	2.0%	1.0%			10.0%	62.7	16	35	75 74	162
2	SR-299 West of Project Site	SR-89	SR-299	3,364	45	50	50	97.0%	2.0%	1.0%	80.0%	10.0%	10.0%	62.5	16	34	74	159
			ow and does not account for shielding of an											l .				

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									Inpu	t							Output		
		tions: Soft nput: ADT				Distance to Directional Centerline,													
	So	egment Description and Location	n			Speed	(fee			Traffic D	istributio	on Chara	cteristics	;	CNEL,	Dista	ance to C	ontour, (	feet)。
umber	Name	From	•	То	ADT	(mph)	Near	Far							(dBA) <sub>5,6,7</sub>				
	ing Conditions			7,5,	(,			707100	,	,,,,,	70 2 6.7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(0.27.75,6,7	7 0 0 2 1 1	00 0.07	00 0.27		
1	Road CR59	SR-120/SR-108	SR-132		3,155	45	50	50	97.0%	2.0%	1.0%	80.0%	10.0%	10.0%	62.3	15	33	71	152
2	SR-120/SR-108	SR-120 /SR-108 West	Road CR59		13,421	65	50	50	97.0%	2.0%	1.0%	80.0%			73.3	83	179	386	832

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Project:	12335GSNR Forest Re	siliency (Lassen Facility)																
	Noise Level Descrip	atori CNEI						Inpu	it							Output		
	Noise Level Descrip Site Conditi Traffic In Traffic K-Fa	ons: Soft put: ADT				Distance to Directional												
	So	amont Description and Leastion			Casad	Cente	erline, et) <sub>4</sub>		Tueffie F	ند. دهانده د	on Chara	ata viatia.	_	CNIEL	Dict	anco to C	ontour (	(foot)
Number	Name	gment Description and Locatior From	То	ADT	Speed (mph)	Near								CNEL, Distance to 0 (dBA) <sub>5,6,7</sub> 70 dBA 65 dBA			Contour, (feet) <sub>3</sub>	
	ing + Project Condition		10	ADI	(mph)	iveai	гаі	76 Auto	70 IVIEU	<i>7</i> 6 ⊓ <b>v</b> y	76 Day	70 LVE	70 IVIGIIL	(UDA) <sub>5,6,7</sub>	70 UDA	05 UBA	00 UBA	. 33 UBA
1	Road CR59	SR-120/SR-108	SR-132	3,863	45	50	50	97.0%	2.0%	1.0%	80.0%	10.0%	10.0%	63.1	17	38	81	174
2	SR-120/SR-108	SR-120 /SR-108 West	Road CR59	14,129	65	50	50	97.0%	2.0%	1.0%	80.0%			4	86	185	400	861
'All modeling	g assumes average pavement, level roa	adways (less than 1.5% grade), constant traf	ic flow and does not account for shielding of a	ny type or finite	roadway adju	ıstments. All l	levels are r	eported as A-v	veighted noi	se levels.								